

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/01	04:22:53.3		48.007N	9.507E				3G		23	11		2.5ML		LDG	L
2002/01/01	04:22:53.7		48.000N	9.400E				10					2.4ML		SED	
2002/01/01	04:22:53.0	+ - 0.62	48.010N	9.570E	7.8	3.3	176	10G		13	8	220	2.2ML		SZGRF	L
2002/01/01	04:22:53.7	+ - 0.49	48.040N	9.540E	6.7	3.3	7	10G		19	11	206	2.1ML	BFO	BGR	L
2002/01/01	04:22:53.2	+ - 0.20	48.010N	9.510E	3.0	2.0	19	8	+ - 3.0	23	13	119	2.2ML		LED	L

Saulgau, SW of Ulm

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GUT	i Pg +	04:22:58.5	0.0	T		30.1	283.1	ML 2.2
	S*	04:23:02.9						
	i Sg	04:23:02.4	0.3	T				
SPAK	i Pg +	04:23:02.8	0.2	T		54.8	281.1	
	Sg	04:23:09.3	0.3	T				
UBR	i Pg	04:23:03.6	0.6	T		57.7	129.1	ML 2.0
	Sg	04:23:11.1	1.3	T				
	SmS	04:23:13.8	-1.6					
BEU	i Pg -	04:23:04.3	0.2	T		64.2	353.8	ML 1.9
	PmP	04:23:05.8	-1.4	T				
	SmS	04:23:16.3	-0.5					
SLE	i Pg +	04:23:06.9	-0.0	T		80.5	250.7	
	PmP	04:23:07.5	-1.9	T				
HDH	Pg	04:23:08.1	0.9	T		82.1	38.7	ML 2.3
	Sg	04:23:17.2	0.4	T				
STU	e Pg Z	04:23:08.8	0.6		5.6	87.8	344.7	ML 2.1
	Sg N	04:23:19.3	0.9					
LBG	Pg	04:23:08.5	0.0	T		89.9	324.2	ML 2.3
	Sg	04:23:19.0	0.1	T				
BFO	e Pg Z	04:23:09.2	-0.1		14.5	94.5	292.6	ML 2.1
	Sg N	04:23:20.8	0.5					
FELD	e Pn +	04:23:12.3	-0.8	T		113.1	263.0	
	Pg	04:23:13.1	0.6	T				
KIZ	e Pn -	04:23:13.1	-0.7	T		118.6	267.7	ML 2.2
	Pg -	04:23:13.7	0.3	T				
FUR	e Pg Z	04:23:16.4	0.8		8.4	132.2	82.0	ML 2.3
	Sg E	04:23:32.6	1.6					
SIND	Pn	04:23:16.4	-1.1	T		149.0	2.7	ML 2.2
	Pg	04:23:18.6	0.1	T				
BBS	Pg	04:23:20.9	0.3	T		161.4	248.7	
WLS	i Pg -	04:23:21.9	0.5	T		165.9	286.5	
ECH	e Pg -	04:23:23.3	0.2	T		176.1	278.3	
GRC1	e Sg E	04:23:45.2	-0.7			184.3	52.7	ML 2.2
GRFO	e Pg Z	04:23:32.0	0.7		1.6	224.9	33.2	ML 2.1
	Sg E	04:23:56.5	-1.0					
GRA1	e Sg E	04:23:57.4	-0.1			225.1	33.2	ML 2.4
TNS	e Pn Z	04:23:31.6	0.8		1.1	257.9	342.9	
	Sg E	04:24:08.4	1.4					
WET	e Pn Z	04:23:33.2	-0.1		1.5	278.0	61.8	ML 2.4
	Pg Z	04:23:40.3	-0.0		2.2			
	(Sn) N	04:24:03.2	1.2					
	Sg N	04:24:10.8	-1.9					
WLF	e Sg N	04:24:20.0	-0.9			306.9	308.1	
GEC2	e Pn Z	04:23:40.1	1.4			322.9	71.7	ML 2.5
	Pg Z	04:23:46.8	-1.1		1.3			
	Sg N	04:24:24.6	-0.9					
MOX	e Pg	04:23:45.6	-3.6			330.3	26.7	
	Sg E	04:24:25.8	-1.8					

CLL	e	Sg	E	04:24:59.0	-1.2	444.5	33.1
BRG	e	Sg	E	04:25:01.8	-0.4	451.6	43.5

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/03	18:47:54.2		49.351N	6.913E				1G		42	20		3.0ML		LDG	L
2002/01/03	18:47:54.6	+- 0.41	49.360N	6.860E	6.7	4.4	33	1G		8	5	167	2.2ML		SZGRF	I
2002/01/03	18:47:54.7	+- 0.39	49.350N	6.830E	5.6	4.4	27	1G		12	6	170	2.3ML	BFO	BGR	I
2002/01/03	18:47:54.1	+- 0.20	49.380N	6.880E	3.0	2.0	49	1G		37	24	124	2.4ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
DUP	e Pg +	18:47:55.5	0.1	T		7.6	297.2	ML 2.5
	e Sg	18:47:56.9	0.6	T				
RIVT	e Pg	18:48:00.8	0.3	T		37.4	347.3	ML 2.0
	e Sg	18:48:06.8	2.0					
RUP	Pg	18:48:01.2	0.6	T		38.0	19.8	
WLF	e Pg Z	18:48:05.3	0.8		10.3	61.3	301.3	ML 2.0
	e Sg E	18:48:12.1	0.5					
PEB	e Pg -	18:48:05.3	-0.6	T		70.0	119.5	ML 2.4
	Sg	18:48:13.7	-0.4					
ABH	e Pg -	18:48:06.6	-0.0	T		73.6	40.5	
IMS	e Pg -	18:48:07.3	0.0	T		77.5	71.7	ML 2.1
	e PmP	18:48:08.9	-1.7	T				
	e Sg	18:48:17.3	1.1	T				
FSH	e Pg	18:48:07.9	0.4	T		79.1	11.9	ML 2.3
LANF	Pg	18:48:07.6	-0.2	T		80.6	123.1	
KTD	Pg	18:48:09.6	0.7	T		87.4	93.9	
BLI	e Pg	18:48:12.6	0.9	T		103.9	336.1	ML 2.2
	e Sg	18:48:24.8	1.0	T				
WLS	Pg	18:48:12.9	-0.4	T		113.0	162.0	
ECH	Pn	18:48:15.6	-1.4	T		131.0	170.9	
SWS	e Pn	18:48:15.8	-1.4	T		132.2	84.3	ML 2.0
	e Pg	18:48:16.8	0.3	T				
	e Sg	18:48:32.8	0.9	T				
TOD	Pn	18:48:17.0	-1.3	T		141.2	79.0	
	Pg	18:48:18.0	0.0	T				
TNS	e Pg Z	18:48:19.2	0.3		10.3	146.4	49.6	ML 2.5
	e Sg E	18:48:37.3	1.3					
LIBD	i P*	18:48:19.5		T		146.6	158.5	
BFO	e Pn Z	18:48:20.3	0.0		1.7	157.7	137.2	ML 2.3
	e Pg Z	18:48:21.2	0.3		13.6			
	e Sg E	18:48:39.0	-0.2					
LBG	e Pn	18:48:19.9	-0.8	T		160.7	119.0	ML 2.5
	e Pg	18:48:21.2	-0.1	T				
	e Sn	18:48:37.9	-1.5	T				
	e Sg	18:48:40.4	0.4	T				
MOF	Pg	18:48:22.8	-0.3	T		171.0	173.7	
	Sg	18:48:43.2	0.3	T				
KIZ	e Pg	18:48:23.7	-0.2	T		175.7	153.9	ML 2.7
	e Sg	18:48:43.8	-0.5	T				
FELD	Pg	18:48:25.2	-0.5	T		186.5	153.3	
SIND	e Pn	18:48:23.8	-1.4	T		197.4	90.0	ML 2.4
	Sn	18:48:45.2	-2.0					
SPAK	Pg	18:48:27.9	0.0	T		199.3	134.7	
BEU	e Pn	18:48:25.4	-0.6	T		205.1	114.6	ML 2.4

	e	Pg		18:48:28.6	-0.3	T											
		Sg		18:48:53.4	0.7												
SLE	i	Pg +		18:48:30.6	0.1	T			215.1	145.9							
GUT	e	Pg		18:48:30.9	-0.4	T			219.2	130.8			ML	2.6			
		Sg		18:48:56.8	0.0												
MOX	e	Sg	E	18:49:41.4	2.6				366.3	65.6							
WET	e	Pn	Z	18:48:55.5	1.3			5.1	435.9	91.2							
	e	Sn	E	18:49:40.0	2.4												
GEC2	e	Pn	Z	18:49:03.2	1.2			19.3	499.9	94.2							
	e	Sn	N	18:49:53.2	2.1												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/04	03:36:11.3		50.397N	6.801E				4G		61	24		3.0ML		LDG	L
2002/01/04	03:36:12.3	+ - 0.67	50.440N	6.120E	11.1	4.4	106	10G		6	4	209	2.2ML		SZGRF	L
2002/01/04	03:36:12.2	+ - 0.54	50.430N	6.220E	5.6	3.3	100	10G		10	6	203	2.2ML	TNS	BGR	L

Monschau/Eifel, German-Belgian border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 03:36:26.9	0.1	T	20.3	85.2	183.3	ML 2.0
	e Sg	E 03:36:36.6	-0.1	T				
BUG	e Pg	Z 03:36:35.0	-0.0	T	8.6	134.3	32.8	ML 2.5
	e Sg	E 03:36:51.0	0.3	T				
TNS	e Pg	Z 03:36:39.2	-0.1	T	1.6	159.8	97.4	ML 2.2
	e Sg	N 03:36:57.8	-0.2	T				
IBBN	e Pg	Z 03:36:52.0	0.0	T	0.9	234.4	26.5	ML 2.7
	e Sg	N 03:37:18.9	-0.3	T				
MOX	e Sg	E 03:38:02.5	1.1	T		382.0	84.3	ML 2.9
FUR	e Sg	E 03:38:19.3	-0.0	T		444.7	122.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/04	17:17:33.6		49.376N	6.899E				1G		28	11		2.7ML		LDG	L
2002/01/04	17:17:35.4	+ - 1.09	49.420N	6.860E	21.1	4.4	2	1G		5	3	215			SZGRF	I
2002/01/04	17:17:34.7	+ - 0.47	49.470N	6.890E	10.0	3.3	4	1G		12	6	197	2.1ML	TNS	BGR	I

Lebach, N of Saarbruecken

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 17:17:44.8	0.3	T	6.5	57.4	292.4	ML 1.7
	e Sg	E 17:17:51.0	-0.1	T				
TNS	e Pg	Z 17:17:57.7	-0.7	T	6.6	139.5	52.6	ML 2.1
	e Sg	E 17:18:15.7	1.1	T				
GRFO	e Pg	Z 17:18:27.7	-0.1	T	2.0	313.1	83.9	ML 2.7
	e Sg	N 17:19:04.2	-0.0	T				
GRA1	e Sg	E 17:19:06.4	2.2			313.2	83.8	
MOX	e Pg	Z 17:18:35.2	-0.8	T	1.0	361.7	67.0	ML 2.7
	e Sg	N 17:19:18.3	0.2	T				
WET	e Pn	Z 17:18:34.9	0.1	T	2.5	435.5	92.5	
	e Sn	E 17:19:18.6	0.5	T				
GEC2	e Pn	Z 17:18:42.4	-0.2	T	9.8	500.0	95.4	
	e Sn	N 17:19:32.4	0.6	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/05	10:16:12.2		49.373N	6.880E				1G		26	11		2.7ML		LDG	L
2002/01/05	10:16:13.7	+ - 0.80	49.430N	6.880E	11.1	4.4	2	1G		6	4	213	1.8ML		SZGRF	I
2002/01/05	10:16:11.9	+ - 0.62	49.430N	6.920E	14.5	6.7	6	1G		9	5	212	2.1ML	TNS	BGR	I

Lebach, N of Saarbruecken

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	10:16:23.5	1.2	T	6.4	61.2	295.5	ML 1.7
	e Sg N	10:16:29.2	-0.2	T				
TNS	e Pn Z	10:16:36.4	0.4	T		140.6	50.6	ML 2.1
	e Pg Z	10:16:37.3	1.6	T	6.7			
	e Sg N	10:16:54.0	2.0	T				
BUG	e Sg E	10:17:14.8	-1.4	T		224.9	6.2	ML 2.3
GRFO	e Pg Z	10:17:03.8	-0.9	T	2.2	311.5	83.0	
	e Sg E	10:17:41.7	0.9	T				
GRA1	e Sg E	10:17:43.2	2.2			311.6	83.0	
MOX	e Pg Z	10:17:10.5	-2.7	T	1.4	361.4	66.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/05	22:51:27.8	+ - 0.58	51.590N	7.750E	10.0	7.8	85	1G		6	4	161	1.9ML		SZGRF	I
2002/01/05	22:51:27.4	+ - 0.33	51.640N	7.800E	5.6	4.4	108	1G		12	5	118	2.1ML	BUG	BGR	I
2002/01/05	22:51:26.0		51.662N	7.759E				1G					2.0ML		BUG	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg Z	22:51:34.1	1.0	TA		41.9	234.2	ML 2.0
	e Sg N	22:51:40.0	2.0					
IBBN	e Pg Z	22:51:39.8	1.6		3.5	71.8	359.9	ML 1.9
	e Sg N	22:51:48.3	1.8					
TNS	e Pn Z	22:51:54.7	1.4		2.8	167.1	163.0	ML 2.0
	e Pg Z	22:51:57.8	3.5		3.4			
	e Sg N	22:52:13.5	-0.2					
WLF	e Pg Z	22:52:10.1	1.9		1.8	249.3	207.6	ML 2.3
	e Sn E	22:52:32.3	2.3					
	e Sg E	22:52:36.8	-0.5					
MOX	e Pg Z	22:52:16.0	0.6		1.3	291.7	111.3	ML 2.4
	e Sg N	22:52:49.6	0.2					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/06	13:13:32.8	+ - 0.47	49.440N	6.890E	8.9	4.4	14	1G		12	7	200	2.1ML	TNS	BGR	I

Lebach, N of Saarbruecken

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	13:13:43.5	0.8	T	8.7	58.8	295.4	ML 1.7
	e Sg N	13:13:48.9	-0.7	T				
TNS	e Pg Z	13:13:56.8	0.0	T	5.3	141.6	51.5	ML 2.1
	e Sg N	13:14:13.7	0.5	T				
BUG	e Sg N	13:14:37.6	0.8	T		224.1	6.7	ML 2.5
GRFO	e Pg Z	13:14:26.9	1.1	T	2.5	313.5	83.3	
MOX	e Pg Z	13:14:33.0	-1.3	T	1.6	363.0	66.5	
	e Sn N	13:14:59.7	-1.2	T				

WET	e	Pn	Z	13:14:33.3	0.5	T	3.4	435.4	92.1
	e	Sn	N	13:15:14.1	-2.0	T			
GEC2	e	Pn	Z	13:14:41.3	0.7	T	10.0	499.7	95.0
	e	Sn	N	13:15:30.6	0.9	T			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/06	16:41:29.4		49.358N	6.873E				1G		18	7		2.3ML		LDG	L
2002/01/06	16:41:29.6	+ - 0.67	49.360N	6.860E	13.3	5.6	7	1G		6	4	209	1.9ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 16:41:40.5	0.5	T	1.9	61.3	303.8	ML 1.4
	e Sg	N 16:41:46.4	-0.6	T				
TNS	e Pg	Z 16:41:54.3	-0.5	T	2.4	148.9	49.3	ML 1.9
	e Sg	N 16:42:12.0	-0.1	T				
WET	e Pn	Z 16:42:30.6	0.7	T	1.3	437.3	90.9	
GEC2	e Pn	Z 16:42:38.5	0.9	T	4.6	501.2	94.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/07	02:22:48.6		48.289N	7.723E				17G		43	20		2.7ML		LDG	L
2002/01/07	02:22:49.2		48.200N	7.800E				18					2.4ML		SED	
2002/01/07	02:22:50.3	+ - 1.06	48.360N	7.770E	14.5	5.6	13	10G		7	4	255	2.3ML		SZGRF	L
2002/01/07	02:22:49.0	+ - 0.66	48.360N	7.790E	6.7	3.3	18	10G		14	8	227	2.4ML	STU	BGR	L

Lahr/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
STU	e Pg	Z 02:23:08.9	0.7	T	4.7	112.9	65.6	ML 2.4
	e Sg	N 02:23:21.6	0.3	T				
WLF	e Pn	Z 02:23:17.1	-0.7	T	3.2	187.9	321.2	ML 2.2
	e Pg	Z 02:23:21.1	0.2	T	5.4			
	e Sg	N 02:23:42.5	-0.3	T				
TNS	e Pg	Z 02:23:25.9	0.8	T	3.4	212.5	12.7	ML 2.1
	e Sg	N 02:23:50.6	0.8	T				
FUR	e Pg	Z 02:23:33.3	0.4	T	1.2	258.9	93.6	ML 2.8
	e Sg	N 02:24:03.7	0.7	T				
GRFO	e Pg	Z 02:23:37.9	-0.4	T	2.3	290.6	58.1	ML 2.7
	e Sg	N 02:24:11.8	-0.3	T				
GRA1	e Pg	Z 02:23:38.4	0.1			290.7	58.1	ML 2.5
	e Sg	N 02:24:13.2	1.1					
MOX	e Sg	N 02:24:35.9	-0.3	T		375.2	46.0	ML 2.9
WET	e Sg	N 02:24:38.4	0.0	T		383.0	74.9	ML 2.9
GEC2	e Sg	N 02:24:54.2	0.1	T		437.9	80.7	ML 3.0

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/07	03:11:28.8		48.284N	7.726E				12G		23	12		2.3ML		LDG	L
2002/01/07	03:11:28.4	+ - 1.42	48.340N	7.770E	14.5	4.4	22	10G		7	6	241	2.0ML	STU	BGR	L
2002/01/07	03:11:28.9	+ - 0.16	48.282N	7.729E	2.0	1.1	37	10	+ - 3.0	28	14	124	1.9ML		LED	L

Lahr/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
LIBD	i Pg +	03:11:33.0	0.6	T		17.3	212.6	
WLS	i Pg -	03:11:34.9	0.4	T		31.3	297.8	
	PmP	03:11:37.0	-1.9	T				
	i Sg	03:11:39.0	0.6	T				
FBB	Pg	03:11:34.9	0.2	T		32.5	163.5	
	Sg	03:11:39.2	0.5	T				
KIZ	i Pg +	03:11:35.7	-0.0	T		38.9	158.7	ML 1.4
	e Sg	03:11:40.3	-0.1	T				
ECH	Pg	03:11:35.7	-0.7			42.9	260.3	
	i Sg	03:11:42.0	0.5	T				
	SmS	03:11:44.3	-3.4	T				
FELD	i Pg +	03:11:37.7	0.1	T		49.5	155.5	
	e Sg	03:11:43.4	0.0	T				
MOF	Pg -	03:11:40.4	0.3	T		65.2	223.0	
	Sg	03:11:49.2	1.4	T				
SLE	i Pg -	03:11:43.0	0.2	T		80.7	135.0	
	Sg	03:11:52.3	0.1	T				
SPAK	Pg	03:11:43.0	0.3	T		80.9	103.9	
	e Sg	03:11:52.5	0.2	T				
LBG	e Pg	03:11:44.2	0.0	T		89.3	61.2	ML 2.0
	Sn	03:11:54.0	-3.3					
	e Sg	03:11:55.2	0.6	T				
BBS	Pg	03:11:45.0	0.3	T		92.4	190.3	
	Sg	03:11:55.1	-0.4	T				
GUT	Pn	03:11:46.1	-1.5			105.4	102.4	ML 1.9
	e Pg	03:11:46.8	-0.1	T				
	e Sn	03:11:58.1	-2.7	T				
	e Sg	03:11:59.3	0.1	T				
STU	e Pg Z	03:11:48.3	-1.1		1.2	120.8	62.7	ML 2.0
	e Sg N	03:12:01.9	-1.7					
LOMF	Pg	03:11:50.2	0.2	T		123.5	213.4	
BEU	Pg	03:11:50.5	-0.4			128.9	74.3	ML 1.9
	e Sn	03:12:03.2	-2.5	T				
	e Sg	03:12:05.7	-0.1	T				
SWS	Sg	03:12:12.6	0.3			151.4	27.6	ML 1.7
SIND	Pn	03:11:58.3	1.4			181.5	48.5	ML 2.1
	e Pg	03:12:00.2	0.5					
	e Sn	03:12:14.8	-2.1					
	e Sg	03:12:20.7	-0.2					
HDH	Sg	03:12:21.9	-0.2			185.9	78.7	ML 2.1
UBR	Sg	03:12:23.8	0.8			189.3	109.8	ML 1.9
WLF	e Sg N	03:12:22.2	-1.7			192.0	323.8	ML 2.1
TNS	e Sg N	03:12:30.0	-2.4			222.0	13.3	ML 2.2
GRFO	e Sg N	03:12:52.0	-2.4			299.0	57.1	ML 2.5
WET	e Sg N	03:13:18.6	-1.7			389.7	73.8	ML 2.6
GEC2	e Sg N	03:13:34.4	-1.4			443.8	79.7	ML 2.9

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/07		12:15:07.6		49.368N	6.877E				1G		20	9		2.8ML		LDG	L
2002/01/07		12:15:08.3	+ - 0.62	49.430N	6.900E	13.3	4.4	2	1G		7	5	201	2.2ML	TNS	BGR	I
2002/01/07		12:15:08.3	+ - 0.60	49.390N	6.950E	7.0	4.0	120	1G		16	13	197	2.2ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
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RUP		Pg		12:15:14.4	0.1	T		35.5	12.8								
WLF	e	Pg	Z	12:15:19.0	-0.4		6.4	65.2	298.2	ML	1.8						
	e	Sg	E	12:15:25.1	-1.8												
ABH		Pg		12:15:19.9	-0.2	T		69.6	38.0								
LANF	e	Pg	-	12:15:21.1	-0.2	T		77.0	125.9								
WLS	e	Pg	+	12:15:27.5	0.2	T		112.6	164.7								
SWS	e	Sg		12:15:46.8	2.2			127.0	84.6	ML	1.8						
ECH	i	Pg	+	12:15:30.5	-0.1	T		131.4	173.3								
TOD	e	Pg	+	12:15:31.5	0.2	T		136.0	79.1								
TNS	e	Pg	Z	12:15:31.7	-0.6		6.4	141.8	48.7	ML	2.2						
	e	Sg	N	12:15:49.5	0.7												
LIBD	i	Pg	+	12:15:33.2	0.2	T		145.9	160.6								
LBG	e	Pg		12:15:34.9	-0.0	T		156.8	120.3	ML	2.2						
	e	Sg		12:15:54.2	1.1	T											
MOF		Sg		12:15:56.8	-0.6	T		171.6	175.4								
KIZ	e	Pg		12:15:37.1	-0.8	T		174.6	155.6	ML	2.3						
	e	Sg		12:15:57.5	-0.7	T											
FELD		Pg		12:15:39.2	-0.5	T		185.3	154.9								
SIND		Pn		12:15:37.5	-1.2			192.3	90.4	ML	2.1						
SLE		Pg		12:15:44.1	-0.3	T		213.3	147.3								
GUT	e	Pg		12:15:44.8	-0.1	T		216.2	131.9	ML	2.3						
	e	Sg		12:16:11.4	1.3	T											
MOX	e	Pg	Z	12:16:09.3	-0.2		1.4	361.3	65.5								
WET	e	Pn	Z	12:16:08.2	0.4		2.0	430.9	91.4								
GEC2	e	Pn	Z	12:16:16.3	0.7		8.0	494.9	94.5								

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/07	19:59:07.7		50.715N	6.227E				10G		54	23		3.2ML		LDG	L
2002/01/07	19:59:06.6	+ - 0.64	50.830N	6.350E	10.0	4.4	108	10G		7	4	203	2.6ML		SZGRF	L
2002/01/07	19:59:06.6	+ - 0.44	50.820N	6.490E	5.6	3.3	118	10G		14	7	196	2.5ML	WLF	BGR	L
2002/01/07	19:59:07.3	+ - 0.82	50.838N	6.310E				11	+ - 5.6	19	10	220	2.6ML		BNS	L

Intensity = III (MSK) at Aachen and Linnich

Kerkrade/NL, Geilenkirchen, N of Aachen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
JUE	i Pg + Z	19:59:10.3	0.4	T		10.5	40.3	
	e Sg N	19:59:11.5	-0.2	T				
KLL	e Pg E	19:59:11.2	-0.1	T		21.2	179.6	
	i Sg E	19:59:14.5	0.4	T				
STB	i Pg - Z	19:59:15.6	0.2	T		46.1	125.9	
	i Sg N	19:59:21.4	0.5	T				
BNS	e Pg Z	19:59:17.9	-0.1	T		62.3	76.7	
	e Sg N	19:59:25.4	0.0	T				
HIL	e Pg - Z	19:59:18.6	-0.1	T		66.0	156.5	
	e Sg E	19:59:26.4	-0.0	T				
HOB	e Pg - Z	19:59:19.7	-0.2	T		73.6	76.9	
	e Sg E	19:59:29.5	0.9	T				
BUG	e Pg Z	19:59:22.5	-0.9		9.0	94.7	44.6	ML 2.9
	e Sg N	19:59:32.0	-2.5					
BGG	e Pg + Z	19:59:23.9	-0.6	T		100.9	133.7	
	e Sg N	19:59:36.6	0.3	T				
WLF	e Pn Z	19:59:27.7	-1.3			131.0	185.0	ML 2.5
	e Pg Z	19:59:28.9	-0.7		8.9			
	e Sg E	19:59:43.3	-1.5					
TNS	e Pn Z	19:59:32.1	-1.2			165.8	113.5	ML 2.4

IBBN	e	Sg	N	19:59:51.4	-3.4													
	e	Pg	Z	19:59:38.5	-1.3	2.0	191.5	30.9	ML	2.8								
	e	Sg	E	20:00:00.0	-2.1													
CLZ	e	Pg	Z	19:59:56.9	-1.9	3.1	303.4	66.8	ML	3.0								
	e	Sg	N	20:00:29.8	-4.3													
MOX	e	Pg	Z	20:00:08.7	-2.0	2.0	373.9	91.2	ML	3.0								
	e	Sg	N	20:00:50.0	-4.2													
CLL	e	Sg	N	20:01:17.2	-4.5			470.3	81.0	ML	3.2							
BRG	e	Sg		20:01:36.6	-3.7			535.5	86.6									

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/07	20:01:52.7		50.737N	6.215E				10G		50	22		3.3ML		LDG	L
2002/01/07	20:01:51.6	+- 0.58	50.830N	6.350E	8.9	4.4	106	10G		8	4	203	2.8ML		SZGRF	L
2002/01/07	20:01:51.5	+- 0.49	50.810N	6.510E	4.4	3.3	110	10G		14	9	195	2.7ML	WLF	BGR	L
2002/01/07	20:01:52.3	+- 0.85	50.838N	6.305E				10	+- 4.3	19	10	223	2.7ML		BNS	L

Kerkrade/NL, Geilenkirchen, N of Aachen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
JUE	i Pg + Z	20:01:55.2	0.5	T		10.8	41.8	
	e Sg N	20:01:56.5	-0.0	T				
KLL	i Pg N	20:01:56.2	-0.1	T		21.2	178.7	
	i Sg N	20:01:59.5	0.5	T				
STB	i Pg - Z	20:02:00.5	0.2	T		46.4	125.6	
	i Sg N	20:02:06.3	0.5	T				
BNS	e Pg Z	20:02:03.0	-0.0	T		62.7	76.8	
	e Sg N	20:02:10.4	-0.1	T				
HIL	e Pg Z	20:02:03.4	-0.2	T		66.2	156.2	
	i Sg E	20:02:11.4	0.0	T				
HOB	e Pg Z	20:02:04.8	-0.2	T		73.9	77.0	
	e Sg N	20:02:14.5	0.9	T				
BUG	e Pg Z	20:02:07.4	-1.1		8.4	94.9	44.7	ML 3.1
	e Sg E	20:02:18.0	-1.6					
BGG	e Pg Z	20:02:08.7	-0.8	T		101.2	133.5	
	e Sg N	20:02:21.7	0.3	T				
WLF	e Pg Z	20:02:12.8	-1.8		4.7	130.9	184.8	ML 2.7
	e Sg N	20:02:28.7	-1.1					
TNS	e Pg Z	20:02:17.6	-2.9		21.1	166.2	113.5	ML 2.5
	e Sg E	20:02:35.1	-4.8					
IBBN	e Pg Z	20:02:22.8	-2.1		2.4	191.7	31.0	ML 2.9
	e Sg N	20:02:44.9	-2.2					
CLZ	e Pg Z	20:02:40.6	-3.2		3.5	303.7	66.9	ML 3.0
	e Sg E	20:03:14.7	-4.4					
GRFO	e Sg E	20:03:33.7	-4.8			371.8	108.2	ML 2.9
MOX	e Pn	20:02:43.6	-0.2			374.2	91.2	ML 2.9
	e Sg N	20:03:34.4	-4.8					
CLL	e Sg N	20:04:02.2	-4.6			470.7	81.0	
BRG	e Sg N	20:04:21.3	-4.2			535.9	86.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/07	20:40:27.1		49.690N	7.567E				5G		34	13		2.7ML		LDG	L
2002/01/07	20:40:27.4	+- 0.42	49.720N	7.680E	5.6	4.4	9	10G		7	5	134	2.0ML		SZGRF	L
2002/01/07	20:40:26.4	+- 0.35	49.740N	7.660E	4.4	3.3	6	10G		12	7	132	2.2ML	WLF	BGR	L
2002/01/07	20:40:26.7	+- 0.20	49.720N	7.640E	3.0	1.0	1	10	+- 6.0	31	17	119	2.1ML		LED	L

Kirn/Nahe, E of Idar-Oberstein

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
ABH	i Pg +	20:40:30.8	0.0			19.4	337.8	
	Sg	20:40:33.0	-0.3					
IMS	e Pg +	20:40:31.6	0.3	T		22.9	127.7	ML 2.1
	Sg	20:40:34.8	0.6	T				
RUP	i Pg +	20:40:34.4	-0.1			42.5	267.5	
	Sg	20:40:39.7	0.1					
KTD	Sg	20:40:43.0	0.1			54.4	144.7	
FSH	e Pg +	20:40:36.9	0.3	T		55.4	315.8	ML 2.1
	Sg	20:40:43.8	0.6	T				
RIVT	e Pg +	20:40:37.4	-0.6	T		63.6	269.2	ML 1.9
	Sg	20:40:48.2	2.7					
DUP	e Pg +	20:40:39.4	0.1	T		71.1	241.5	ML 2.3
	Sg	20:40:47.7	0.0	T				
PEB	e Pg +	20:40:39.3	-0.3	T		72.8	176.2	ML 2.0
	Sg	20:40:48.0	-0.1	T				
FACH	e Pg +	20:40:39.3	-0.6	T		74.9	19.0	ML 2.0
	Sg	20:40:47.8	-0.9	T				
TNS	e Pg Z	20:40:39.6	-1.1		12.3	79.8	45.3	ML 2.1
	Sg E	20:40:49.5	-0.6					
SWS	e Pg +	20:40:40.6	-0.2			80.1	108.7	ML 1.9
	PmP	20:40:41.8	-1.3					
	Sg	20:40:50.2	0.0					
LANF	Pg	20:40:41.2	-0.0			83.0	172.2	
TOD	i Pg +	20:40:41.2	-0.2			84.0	98.3	
	Sg	20:40:51.3	0.1					
	SmS	20:40:53.4	-1.6					
WLF	e Pg Z	20:40:44.8	-0.7		8.2	107.9	267.3	ML 2.2
	Sg E	20:40:57.3	-0.8					
BLI	e Pn +	20:40:46.1	-0.6	T		112.8	300.8	ML 2.2
	Sn	20:40:59.3	-1.3	T				
BIW	e Pn +	20:40:46.1	-0.7	T		113.2	6.7	ML 2.0
	Sn	20:40:58.6	-2.1	T				
LBG	e Pg	20:40:51.5	-0.0			143.9	144.3	ML 2.1
	Sg	20:41:06.8	-1.6					
WLS	Sg	20:41:08.2	-1.0			146.9	188.6	
SIND	e Pg	20:40:51.9	-0.2			147.0	105.6	ML 2.5
	Sg	20:41:08.9	-0.3					
STU	e Pg Z	20:40:53.5	0.2		1.3	153.9	132.7	ML 2.2
	Sg N	20:41:11.0	-0.1					
ECH	Sg	20:41:15.0	-1.0			171.1	192.3	
BEU	e Pg	20:40:57.5	-0.2			180.1	133.9	ML 2.1
	Sn	20:41:14.5	-0.3					
	Sg	20:41:18.4	-0.3					
BUG	e Pg N	20:41:21.3	-1.1			193.2	352.1	ML 2.1
KIZ	e Pg	20:41:00.2	-0.3			197.1	174.2	ML 2.0
	Sg	20:41:23.2	-0.3					
MOF	Sg	20:41:26.0	-1.5			211.2	190.5	
GUT	e Pg	20:41:27.1	-0.8			212.4	149.2	ML 2.2
HDH	e Pg	20:41:30.2	-1.2			224.8	123.2	ML 2.3
GRFO	e Pg Z	20:41:10.9	0.3		2.4	256.7	89.4	ML 2.4
	Sg N	20:41:38.8	-1.7					
GRA1	e Pg E	20:41:40.3	-0.2			256.8	89.3	
MOX	e Pg Z	20:41:17.0	-1.1		1.2	300.4	68.5	ML 2.4

WET	e	Sg	E	20:41:52.5	-0.5	383.4	97.6	ML	2.9
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Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/08	12:22:13.0		49.353N	6.899E				1G		28	10		3.0ML		LDG	L
2002/01/08	12:22:15.4	+ - 2.25	49.452N	6.869E				1G		8	5	321	2.1ML		BNS	I
2002/01/08	12:22:13.5	+ - 0.46	49.350N	6.830E	6.7	4.4	37	1G		8	5	170	2.1ML		SZGRF	I
2002/01/08	12:22:12.8	+ - 0.42	49.350N	6.870E	6.7	4.4	34	1G		8	5	168	2.2ML	BFO	BGR	I
2002/01/08	12:22:12.9	+ - 0.20	49.370N	6.880E	3.0	2.0	66	1G		33	21	128	2.3ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
DUP	e Pg +	12:22:14.3	0.0	T		8.2	304.2	ML 2.4
	e Sg	12:22:16.0	0.8	T				
RIVT	e Pg	12:22:19.6	0.2	T		38.5	347.6	ML 2.1
	Sg	12:22:24.7	0.8					
RUP	e Pg	12:22:19.9	0.4	T		39.1	19.3	
	e Sg	12:22:24.9	0.8	T				
WLF	e Pg Z	12:22:24.0	0.6		7.3	61.9	302.2	ML 1.9
	e Sg N	12:22:30.2	-0.4					
PEB	e Pg -	12:22:24.1	-0.6	T		69.5	118.7	ML 2.3
	Sg	12:22:32.5	-0.3					
ABH	e Pg -	12:22:25.3	-0.2	T		74.5	39.9	
IMS	e Pg -	12:22:26.1	-0.0	T		77.8	71.0	ML 2.2
	e PmP	12:22:27.7	-1.8	T				
	Sg	12:22:36.5	1.4	T				
	SmS	12:22:38.7	-2.1					
LANF	e Pg -	12:22:26.4	-0.1	T		80.0	122.4	
FSH	Sg	12:22:38.1	2.3			80.2	11.7	ML 2.3
KTD	e PmP	12:22:29.1	-1.6	T		87.4	93.2	
BGG	e Pg Z	12:22:29.5	-0.1			98.6	19.2	
	e Sg E	12:22:42.1	1.0					
HIL	e Pg Z	12:22:31.0	0.6			103.6	352.1	
	e Sg E	12:22:43.2	0.8					
BLI	e Pg	12:22:31.6	0.9	T		104.9	336.3	ML 2.2
WLS	e PmP	12:22:32.7	-1.7	T		111.9	161.8	
	e Sg	12:22:46.1	1.2	T				
SWS	e Pg	12:22:35.6	0.3	T		132.3	83.8	ML 1.9
	e Sg	12:22:51.8	1.1	T				
STB	e Sg E	12:22:52.5	0.7			136.1	358.8	
TOD	e Pg +	12:22:36.8	-0.0	T		141.4	78.6	
	e Sg	12:22:54.6	1.3	T				
LIBD	e P* -	12:22:38.3		T		145.6	158.4	
TNS	e Pg Z	12:22:37.8	-0.0		6.5	147.1	49.3	ML 2.4
	e Sg E	12:22:55.4	0.5					
KLL	e Pg N	12:22:38.0	0.0			147.7	344.3	
BFO	e Pg Z	12:22:39.1	-0.4		11.1	156.9	136.9	ML 2.2
	e Sg N	12:22:56.9	-0.9					
LBG	e Pg	12:22:40.0	-0.0	T		160.2	118.6	
	e Sg	12:22:59.4	0.8	T				
MOF	e Pg -	12:22:41.7	-0.0	T		169.8	173.6	
	e Sg	12:23:02.1	0.7	T				
KIZ	Pn	12:22:42.0	0.9			174.7	153.7	ML 2.4
	e Pg	12:22:42.5	-0.1	T				
	e Sg	12:23:02.7	-0.1	T				

HOB	e	Pg	Z	12:22:43.7	-0.1			182.3	10.0							
	e	Sg	E	12:23:03.6	-1.4											
FELD	e	Pg		12:22:44.1	-0.3		T	185.5	153.1							
	e	Sg		12:23:06.0	0.1		T									
SIND	e	Pn		12:22:42.8	-1.1		T	197.4	89.6			ML	2.3			
SPAK	e	Pg		12:22:46.8	0.2		T	198.5	134.5							
SLE	e	Pg	-	12:22:49.4	0.2		T	214.2	145.7							
GUT	e	Pg		12:22:49.7	-0.2		T	218.5	130.5			ML	2.3			
	e	Sg		12:23:15.8	0.5		T									
BUG	e	Sg	N	12:23:20.3	1.1			231.9	6.7							
GRA1	e	Sg	E	12:23:46.7	3.7			315.3	81.8							
WET	e	Pn	Z	12:23:13.3	0.3			2.8	435.9	91.0						
GEC2	e	Pn	Z	12:23:21.9	1.1			11.6	499.8	94.1						

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/08	19:39:40.3		47.189N	7.506E				2		15	9		2.2ML		LDG	L
2002/01/08	19:39:40.6	+ - 1.40	47.220N	7.550E	12.0	6.0	22	10G		21	11	261	2.0ML		LED	L
2002/01/08	19:39:40.4		47.200N	7.500E				9					1.5ML		SED	

S of Solothurn/CH, N of Bern

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BBS	e Pg +	19:39:45.7	0.1			29.4	1.3	
	e Sg	19:39:49.3	0.1					
MOF	e Sg	19:40:03.4	0.7			77.5	339.3	
FELD	e Pg	19:39:54.3	-0.5			84.2	26.5	
	e SmS	19:40:06.1	-2.4					
KIZ	e Pg +	19:39:55.0	-0.7			89.7	20.3	ML 1.7
	e PmP-	19:39:55.4	-2.5					
	e Sg	19:40:05.4	-0.8					
	e SmS	19:40:06.2	-3.7					
SLE	e Pg +	19:39:56.4	-0.6			97.6	49.5	
	e Sg	19:40:08.2	-0.2					
ECH	e Pg	19:40:00.7	0.6			115.8	347.4	
	e Sg	19:40:14.1	0.5					
WLS	e Pg	19:40:03.6	0.2			135.3	355.4	
	e Sg	19:40:19.4	0.3					
SPAK	Pg	19:40:03.6	-0.4			139.1	43.4	
BFO	e Pg	19:40:03.3	-0.9		2.3	140.1	26.0	
	e Sg	19:40:19.6	-0.9					
GUT	e Pn	19:40:03.8	-1.5			155.0	50.7	ML 2.0
	e Pg	19:40:06.1	-0.6					
	e Sn	19:40:21.5	-1.5					
	e Sg	19:40:24.1	-0.7					
LBG	e Pg	19:40:11.8	-0.7			189.2	30.2	ML 2.1
	e Sg	19:40:33.2	-1.3					
UBR	e Pg	19:40:07.4	-7.5			203.3	73.8	ML 1.9
	e Sg	19:40:38.5	-0.0					
BEU	Pg	19:40:14.8	-1.2			209.9	42.2	ML 1.9
	e Sg	19:40:38.8	-1.7					
SIND	Pg	19:40:27.4	-1.4			285.2	32.3	ML 2.1
	e Sg	19:41:00.8	-1.1					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
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2002/01/09 14:41:14.7

47.440N

6.800E

5

2.1ML

NEIC

Montbeliard, Audincourt/F, S of Belfort

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z 14:41:40.8	0.5			151.0	48.5	
	e Sg	N 14:41:57.5	-0.3					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/09	16:27:07.0	+ - 0.43	49.360N	6.850E	6.7	4.4	34	1G		7	4	168	2.1ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 16:27:17.2	-0.0	T	2.6	60.7	304.2	ML 1.6
	e Sg	E 16:27:24.5	0.2	T				
TNS	e Pg	Z 16:27:32.1	-0.2	T	3.4	149.5	49.5	ML 2.1
	e Sg	E 16:27:49.9	0.2	T				
BFO	e Pg	Z 16:27:33.8	0.1	T	4.1	157.6	136.0	ML 1.9
	e Sg	E 16:27:51.7	-0.3	T				
GEC2	e Pn	Z 16:28:15.6	0.5	T	2.7	501.9	93.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/10	02:55:29.6		47.725N	8.816E				7G		18	8		2.4ML		LDG	L
2002/01/10	02:55:30.6		47.800N	8.800E									1.8ML		SED	
2002/01/10	02:55:30.4	+ - 0.97	47.810N	8.850E	10.0	4.4	18	10G		9	6	249	1.8ML	STU	BGR	L
2002/01/10	02:55:30.1	+ - 0.20	47.770N	8.810E	5.0	2.0	0	11	+ - 3.0	23	12	155	1.9ML		LED	L

Singen/Hohentwiel, Swiss-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SLE	i Pg +	02:55:34.5	-0.0	T		23.7	269.1	
SPAK	e Sg	02:55:41.4	0.3	T		37.0	357.2	
GUT	e Pg +	02:55:37.1	-0.1	T		40.4	34.1	ML 1.7
	Sg	02:55:42.2	0.1	T				
FELD	i Pg +	02:55:40.8	0.1	T		61.3	281.4	
	i SmS	02:55:51.5	-1.1	T				
KIZ	e Pg +	02:55:42.0	-0.1	T		69.7	287.6	ML 2.0
	PmP	02:55:44.3	-0.3					
	Sg	02:55:50.6	0.4	T				
	e SmS	02:55:52.9	-1.6	T				
BFO	e Pg	Z 02:55:42.5	0.1		1.8	71.8	330.3	ML 1.6
	e Sg	N 02:55:50.9	0.1					
UBR	e Pn +	02:55:47.2	-0.5	T		97.6	95.4	ML 1.9
	i Pg -	02:55:47.6	0.9	T				
	PmP	02:55:48.3	-0.3					
LIBD	Pg	02:55:48.0	0.9	T		99.3	295.7	
LBG	Pn	02:55:47.2	-0.8	T		99.4	359.3	ML 1.8
	e Sn	02:55:58.8	-1.8	T				
BEU	e Pn -	02:55:47.2	-0.9	T		101.0	26.2	ML 2.0
	Pg	02:55:47.8	0.4	T				
	e Sn	02:55:59.5	-1.4	T				
	Sg	02:56:01.0	1.9	T				
BBS	e Pg +	02:55:48.1	0.4	T		103.2	251.3	

STU	e	Sg	E	02:56:03.0	-0.1					114.8	14.2	ML	1.8
MOF		Sg		02:56:06.9	0.8	T				125.6	274.8		
WLS		Pg		02:55:52.6	0.5	T				129.6	304.0		
		Sg		02:56:07.7	0.5	T							
LOMF		Pg		02:55:56.8	0.3					155.9	253.3		
SIND		Pg		02:56:01.5	0.0					185.1	18.2	ML	1.9
		Sn		02:56:17.6	-1.0								
	e	Sg		02:56:22.4	-0.6								
FUR	e	Pg	Z	02:56:02.3	0.2		1.7	188.7	75.7			ML	2.3
	e	Sg	E	02:56:23.9	-0.2								
GRFO	e	Sg	N	02:56:47.6	-1.8			277.2	38.7			ML	2.5
WET	e	Pg	Z	02:56:26.5	-0.7		1.6	336.6	61.5			ML	2.5
	e	Sg	E	02:57:05.2	-1.1								
GEC2	e	Sg	E	02:57:17.7	-1.3			380.9	69.9			ML	2.6

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/01/10 10:01:15.3 +- 0.64 51.260N 6.960E 8.9 4.4 112 1G 7 5 186 2.0ML TNS BGR I

Duesseldorf

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	10:01:20.1	-0.3	T	4.6	29.4	46.8	ML 1.8
	e Sg	E	10:01:23.5	-0.3	T				
IBBN	e Pg	Z	10:01:37.6	0.5	T	1.7	128.7	24.9	
TNS	e Pg	Z	10:01:42.1	0.4	T	2.1	155.8	137.2	ML 2.0
	e Sg	N	10:02:00.2	0.4	T				
WLF	e Sg	N	10:02:08.4	-0.2	T		186.4	198.2	ML 2.1
CLZ	e Sg	E	10:02:25.0	-0.2	T		244.6	73.3	ML 2.1

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/01/10 10:53:58.8 +- 0.34 51.320N 10.580E 4.4 4.4 42 1G 11 6 114 2.5ML SZGRF I
2002/01/10 10:53:57.8 +- 0.31 51.270N 10.600E 3.3 2.2 6 1G 16 10 104 2.6ML MOX BGR I

Muehlhausen, Bleicherode

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
CLZ	e Pg	Z	10:54:08.9	0.0	T	17.1	65.5	346.2	ML 2.3
	e Sg	N	10:54:16.5	0.1	T				
MOX	e Pg	Z	10:54:15.4	0.8	T	10.2	99.5	134.0	ML 2.6
	e Sg	N	10:54:26.9	0.8	T				
CLL	e Pg	Z	10:54:25.8	-0.3	T	8.9	167.1	87.6	ML 2.6
	e Sg	N	10:54:46.0	0.5	T				
GRA1	e Pg	Z	10:54:29.4	0.9			180.9	165.7	ML 2.8
	e Sg	E	10:54:51.5	2.0					
GRFO	e Pg	Z	10:54:28.9	0.5	T	2.7	181.0	165.7	ML 2.6
	e Sg	N	10:54:49.7	0.2	T				
TNS	e Pn	Z	10:54:28.2	0.2			191.1	233.3	ML 2.4
	e Pg	Z	10:54:30.3	0.1	T	2.3			
	e Sg	N	10:54:52.2	-0.1	T				
BRG	e Sg	N	10:55:05.1	-0.6	T		237.7	99.4	ML 2.4
WET	e Sg	N	10:55:19.1	-0.6	T		286.6	144.7	ML 2.7
GEC2	e Pg	Z	10:54:57.4	0.5	T	2.6	348.8	139.4	ML 2.9
	e Sg	N	10:55:37.7	0.2	T				

WLF	e	Sg	N	10:55:41.1	-0.1	T	361.8	242.2	ML	2.9
BFO	e	Sg	N	10:55:42.1	-0.0	T	365.2	207.4	ML	2.9

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/10	19:27:25.3		47.514N	9.022E				8G		48	18		2.9ML		LDG	L
2002/01/10	19:27:24.4	+ - 0.72	47.540N	9.040E	13.3	6.7	11	10G		15	10	252	2.9ML		SZGRF	L
2002/01/10	19:27:25.7	+ - 0.56	47.700N	9.060E	4.4	2.2	16	10G		22	12	244	3.1ML	FUR	BGR	L
2002/01/10	19:27:26.1	+ - 0.20	47.590N	9.090E	2.0	1.0	0	25	+ - 2.0	27	16	181	3.0ML		LED	L
2002/01/10	19:27:25.7		47.600N	9.100E				27					3.1ML		SED	

Weinfelden, Kreuzlingen/CH (Thurgau)

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SLE	i Pg +	19:27:35.0	-0.2			49.0	292.4	
GUT	e Pg -	19:27:35.8	0.2			52.3	1.2	ML 3.3
	i Sg	19:27:42.9	0.4					
	Sms	19:27:43.6	0.2					
SPAK	i Pg -	19:27:37.1	0.1			60.6	337.4	
	Sg	19:27:44.5	-0.1					
UBR	i Pn +	19:27:39.8	1.0			76.0	82.8	ML 3.0
	i Pg +	19:27:40.0	0.7					
	i Sg	19:27:50.4	1.6					
FELD	i Pn +	19:27:40.1	-0.2			87.5	291.0	
	i Pg +	19:27:40.8	-0.4					
KIZ	e Pn +	19:27:40.9	-0.5			96.8	294.6	ML 3.2
	i Pg -	19:27:42.2	-0.5					
	Sg	19:27:53.2	-1.2					
BFO	e Pg Z	19:27:41.6	-1.5		54.6	99.4	325.0	ML 2.7
	e Sg E	19:27:51.3	-3.8					
FBB	Pg	19:27:42.9	-0.9			103.3	296.1	
BEU	e Pn -	19:27:43.1	-0.1			111.9	12.0	ML 2.9
	Sg	19:27:58.7	0.1					
BBS	i Pn +	19:27:44.1	-0.2			120.4	263.4	
	i Pg -	19:27:45.8	-0.8					
LBG	Pn	19:27:45.6	1.4			120.4	349.3	ML 3.0
	Pg	19:27:46.5	-0.1					
	i Sg	19:28:00.3	-0.6					
LIBD	Pg	19:27:46.9	-0.8			127.3	299.3	
STU	e Pg Z	19:27:45.2	-3.1		4.8	130.4	3.0	ML 2.6
	e Sg N	19:27:59.4	-4.3					
HDH	Pn	19:27:45.9	-0.4			136.9	36.5	ML 2.8
	Pg	19:27:49.5	0.2					
	Sg	19:28:05.0	-0.6					
MOF	e Pn +	19:27:47.8	-0.1			149.8	281.5	
WLS	i Pg +	19:27:54.7	1.8			158.3	305.5	
ECH	i Pg	19:27:54.7	1.5			160.1	296.0	
	i Sn	19:28:04.8	-1.1					
OGA	e Pg	19:27:54.1	-0.2			166.6	118.5	
LOMF	Pg	19:27:54.2	-1.2			173.0	261.6	
FUR	e Pn Z	19:27:52.0	1.2			173.9	68.1	ML 3.1
	e Pg Z	19:27:55.4	-0.1		4.1			
	e Sg N	19:28:15.6	-0.4					
LANF	e Pg -	19:27:58.4	1.7			180.9	328.5	
SIND	e Pn -	19:27:53.0	-0.7			198.0	10.7	ML 3.1
	Sg	19:28:22.4	-0.4					
SWS	Sg	19:28:26.5	-0.2			211.6	352.2	ML 2.4

TOD		Pn		19:27:56.8	-0.1			224.1	354.5								
GRC1	e	Sg	E	19:28:34.5	0.7			237.0	48.2			ML	3.0				
RUP		Pg		19:28:13.6	0.6			277.6	328.1								
ABH		Pg		19:28:13.4	0.4			278.1	336.4								
GRFO	e	Sg	E	19:28:44.1	-1.9			279.8	33.0			ML	2.8				
GRA1	e	Pg	Z	19:28:13.3	-0.1			280.0	33.0			ML	3.1				
	e	Sg	E	19:28:46.3	0.2												
TNS	e	Pn	Z	19:28:06.0	0.4			295.5	351.0			ML	2.7				
	e	Sg	E	19:28:46.5	-4.0												
WLF	e	Sg	N	19:28:53.0	-3.2			315.6	317.8			ML	3.0				
WET	e	Pn	Z	19:28:09.9	0.4			327.6	57.0			ML	3.1				
	e	Sg	E	19:28:58.5	-1.1												
GEC2	e	Pn	Z	19:28:15.4	1.0			367.8	66.2			ML	3.1				
	e	Sg	E	19:29:10.3	-0.8												
MOX	e	Pn	Z	19:28:16.6	0.1	4.6		384.8	27.5			ML	3.2				
	e	Pg	Z	19:28:28.9	-2.2	3.8											
	e	Sg	E	19:29:13.6	-2.4												
CLZ	e	Sg	E	19:29:40.2	-3.0			480.4	10.5								
CLL	e	Sg	E	19:29:46.2	-2.3			499.4	32.9								
BRG	e	Pg	Z	19:28:50.4	-1.2	1.0		505.8	42.2								
	e	Sg	E	19:29:48.6	-1.8												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/11	19:54:03.0		47.608N	9.135E				19G		10	6		2.6ML		LDG	L
2002/01/11	19:54:03.9	+ - 1.08	47.640N	9.080E	12.2	4.4	14	10G		7	5	247	1.9ML		SZGRF	L
2002/01/11	19:54:03.3	+ - 0.77	47.610N	9.100E	7.8	3.3	15	10G		12	9	249	2.4ML	FUR	BGR	L
2002/01/11	19:54:03.3	+ - 0.20	47.580N	9.080E	3.0	2.0	2	25	+ - 2.0	25	12	182	2.2ML		LED	L
2002/01/11	19:54:02.9		47.600N	9.000E				29					2.2ML		SED	

Winterthur, Frauenfeld/CH

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SLE	i Pg +	19:54:12.2	0.6			42.2	296.2	
	e Sg	19:54:18.3	0.7					
GUT	i Pg -	19:54:13.1	-0.1			53.0	9.3	ML 2.6
	i Sg	19:54:20.2	0.0					
	e SmS	19:54:20.9	0.4					
SPAK	i Pg -	19:54:14.4	0.4			58.1	344.1	
	Sg	19:54:21.8	0.3					
FELD	i Pn +	19:54:17.3	1.0			80.6	292.8	
	i Pg +	19:54:18.1	0.7					
	i Sg	19:54:28.3	1.0					
UBR	i Pn +	19:54:17.1	0.4			83.5	83.4	ML 2.2
	i Pg +	19:54:17.3	-0.6					
	i Sg	19:54:27.6	-0.5					
KIZ	Pn	19:54:18.2	0.7			90.0	296.5	ML 2.4
	e Pg +	19:54:19.4	0.4					
	e Sg	19:54:30.4	0.5					
BFO	e Pg Z	19:54:20.4	0.6	11.4		95.3	328.7	ML 1.9
	e Sg N	19:54:31.2	-0.2	9.7				
BBS	e Pg -	19:54:23.0	0.4			112.9	262.9	
BEU	e Pn -	19:54:20.4	-0.0			113.7	15.6	ML 2.2
	Sg	19:54:35.9	-0.6					
LBG	Pn	19:54:22.8	1.7			119.3	352.7	ML 2.3
	i Pg +	19:54:23.7	0.0					
	i Sg	19:54:37.6	-0.4					

STU	e	Pg	Z	19:54:25.1	-0.5	1.1	131.0	6.2										
HDH		Pn		19:54:22.8	-1.0		141.5	38.9	ML	2.1								
		Sg		19:54:42.3	-1.9													
ECH		Sn		19:54:42.1	0.8		153.4	297.2										
FUR	e	Pg	Z	19:54:33.2	-0.8	2.6	180.8	68.9	ML	2.4								
	e	Sg	N	19:54:53.1	-2.1	3.9												
SIND	i	Pn	+	19:54:30.3	-0.6		199.5	12.7	ML	2.2								
		Sg		19:54:59.7	-0.8													
SWS		Sg		19:55:03.8	0.1		210.7	354.1	ML	2.1								
GRFO	e	Sg	N	19:55:22.8	-1.7	2.5	284.0	34.2	ML	2.5								
GRA1	e	Sg	N	19:55:23.1	-1.4		284.1	34.2										
TNS	e	Sg	N	19:55:27.1	-0.3	1.6	294.4	352.3	ML	2.4								
WLF	e	Sg	E	19:55:33.3	1.3	2.2	310.6	318.7										
WET	e	Sg	N	19:55:36.4	-2.2	4.8	333.9	57.6	ML	2.4								
GEC2	e	Pn	Z	19:54:52.9	0.7	1.5	374.7	66.6										
	e	Pg	Z	19:55:05.8	-0.8	1.8												
MOX	e	Sg	E	19:55:53.2	-0.9	2.5	388.3	28.4	ML	2.8								

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/11	23:34:10.7	+-	1.06	51.536N	6.821E				1G		12	6	309	2.0ML		BNS	I
2002/01/11	23:34:11.1	+-	0.97	51.480N	6.830E	14.5	5.6	138	1G		8	4	245	1.8ML		SZGRF	I
2002/01/11	23:34:10.1	+-	0.84	51.480N	6.760E	7.8	3.3	115	1G		9	5	204	2.1ML	TNS	BGR	I
2002/01/11	23:34:09.2			51.529N	6.805E				1G					1.5ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	23:34:16.0	1.1	TA		33.6	106.8	ML 1.5
	e Sg E	23:34:20.8	2.0		3.3			
BNS	e Pg Z	23:34:22.2	1.5			68.0	157.5	
	e Sg E	23:34:31.2	2.6					
HOB	e Pg Z	23:34:22.3	1.1			70.9	148.6	
	e Sg E	23:34:31.8	2.3					
KLL	e Pg N	23:34:28.3	1.5			103.9	199.6	
	e Sg N	23:34:41.7	2.8					
STB	e Pg Z	23:34:28.5	1.6			104.0	178.7	
	e Sg E	23:34:41.5	2.6					
IBBN	e Sg N	23:34:42.8	2.7		1.4	108.4	36.6	ML 2.3
HIL	e Pg Z	23:34:33.4	0.8			137.7	183.7	
	e Sg E	23:34:51.0	2.4					
BGG	e Pg Z	23:34:35.7	0.8			151.7	165.6	
	e Sg E	23:34:53.9	1.3					
TNS	e Pg Z	23:34:41.3	0.6		6.2	185.4	140.9	ML 2.1
	e Sn E	23:35:00.2	0.4					
	e Sg E	23:35:02.4	0.2		3.5			
WLF	e Pg Z	23:34:46.5	1.3			212.4	192.8	ML 2.2
	e Sg N	23:35:09.2	-0.6		2.7			
CLZ	e Pg E	23:34:53.3	2.0		2.0	248.3	80.6	ML 2.4
	e Sg E	23:35:22.3	2.1		2.0			

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/12	19:56:	0.7	+-	0.72	51.470N	16.250E	7.8	5.6	86	1G	14	7	268	3.8ML		SZGRF	I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	19:56:29.9	-0.3	T		174.0	248.5	ML 3.5
	e Sg	N	19:56:50.3	-0.0	T				
RUE	e Pg	Z	19:56:32.2	-2.8	T		202.8	304.4	ML 3.8
	e Sg	N	19:56:59.1	0.5	T				
CLL	e Pn	Z	19:56:34.9	-0.3	T		226.0	266.7	ML 3.5
	e Sg	N	19:57:05.4	0.2	T				
MOX	e Pn	Z	19:56:49.4	0.7	T		336.6	256.0	ML 4.0
	e Sg	E	19:57:37.9	1.1	T				
GEC2	e Pn	Z	19:56:51.7	2.2	T		343.7	212.9	ML 3.8
	e Sg	E	19:57:38.7	-0.1	T				
WET	e Pn	Z	19:56:51.7	1.1	T		352.4	224.1	ML 3.7
	e Sg	N	19:57:40.8	-0.5	T				
GRA1	e Pn	Z	19:56:58.9	1.7	T		406.2	242.8	ML 4.3
	e Sg	N	19:57:56.9	0.2	T				

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/01/15 05:23: 4.2 +- 0.69 51.480N 16.310E 6.7 5.6 84 1G 15 8 269 3.7ML SZGRF I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z	05:23:32.5	-0.3	T		178.3	248.7	ML 3.4
	e Sg	E	05:23:54.6	-0.5	T				
RUE	e Pn	Z	05:23:36.0	-0.2	T		205.6	303.6	ML 3.6
	e Sg	E	05:24:03.9	0.9	T				
CLL	e Pn	Z	05:23:39.1	-0.1	T		230.2	266.5	ML 3.5
	e Sg	N	05:24:09.3	-0.7	T				
MOX	e Pn	Z	05:23:53.3	0.6	T		340.9	256.0	ML 3.9
	e Pg	Z	05:24:01.1	-0.9	T				
	e Sg	N	05:24:41.8	0.2	T				
GEC2	e Sg	E	05:24:43.8	0.5	T		346.9	213.4	ML 3.6
WET	e Pn	Z	05:23:55.8	1.2	T		356.1	224.5	ML 3.6
GRA1	e Pn	Z	05:24:02.6	1.5	T		410.4	243.0	ML 4.1
	e Sg	E	05:25:01.5	0.1	T				
CLZ	e Pn	Z	05:24:02.9	1.6	T		411.4	277.9	ML 3.7
	e Sg	N	05:25:02.4	0.7	T				

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/01/15 14:45:01.1 +- 0.42 49.370N 6.880E 6.7 4.4 32 1G 7 4 165 2.0ML BFO BGR I

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	E	14:45:12.1	0.5	T	2.5	61.9	302.2	ML 1.7
	e Sg	E	14:45:18.1	-0.7	T	2.4			
TNS	e Pg	Z	14:45:26.0	-0.0	T	3.7	147.1	49.3	ML 2.1
	e Sg	N	14:45:42.9	-0.3	T	2.6			
BFO	e Pg	Z	14:45:27.9	0.2	T	5.2	156.9	136.9	ML 2.0
	e Sg	E	14:45:45.6	-0.4	T	2.1			
GEC2	e Pn	Z	14:46:10.0	1.0	T	3.6	499.8	94.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/17	16:59:42.0		49.359N	6.916E				1G		18	7		2.9ML		LDG	I
2002/01/17	16:59:43.3	+ - 0.43	49.360N	6.890E	6.7	4.4	24	1G		8	4	165	2.1ML		SZGRF	I
2002/01/17	16:59:42.3	+ - 0.43	49.350N	6.860E	8.9	4.4	36	1G		7	4	168	2.2ML	BFO	BGR	I
2002/01/17	16:59:42.2	+ - 0.10	49.380N	6.890E	2.0	2.0	63	1G		31	24	119	2.3ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
DUP	e Pg +	16:59:43.5	-0.1	T		8.3	295.0	ML 2.5
	Sg	16:59:45.0	0.4	T				
RIVT	e Pg +	16:59:48.8	0.3	T		37.6	346.2	ML 1.9
RUP	e Pg -	16:59:49.0	0.4	T		37.8	18.8	
WLF	e Pg Z	16:59:53.4	0.7		8.3	61.9	301.0	ML 1.9
	e Sg N	16:59:59.6	-0.3		2.7			
PEB	e Pg -	16:59:53.3	-0.6	T		69.4	119.8	ML 2.3
ABH	e Pg -	16:59:54.6	-0.0	T		73.2	40.1	
IMS	e Pg -	16:59:55.3	0.1	T		76.8	71.6	ML 2.0
	e PmP	16:59:57.0	-1.6	T				
	Sg	17:00:05.8	1.6	T				
FSH	Pg	16:59:56.3	0.7	T		79.0	11.4	ML 2.5
	PmP	16:59:58.1	-0.8	T				
LANF	e Pg -	16:59:55.6	-0.1	T		80.0	123.4	
KTD	Pg	16:59:57.8	0.9	T		86.7	93.9	
BLI	Pg	17:00:00.5	0.7	T		104.2	335.7	ML 2.3
	i PmP-	17:00:01.6	-0.9	T				
WLS	Pg	17:00:02.0	0.6	T		112.8	162.3	
ECH	Pg	17:00:04.7	0.3	T		130.9	171.3	
FACH	Sg	17:00:20.9	0.4	T		134.3	35.7	ML 2.4
TOD	Pg	17:00:05.9	-0.1	T		140.5	79.0	
TNS	e Pg Z	17:00:07.2	0.3		8.9	145.8	49.4	ML 2.4
	e Sg N	17:00:25.3	1.4					
LIBD	e Pg +	17:00:07.6	0.6	T		146.4	158.8	
BFO	e Pg Z	17:00:08.7	-0.2		8.4	157.2	137.4	ML 2.2
	e Sg E	17:00:26.6	-0.5		1.8			
LBG	Pg	17:00:09.3	-0.0	T		160.1	119.1	ML 2.3
BIW	e Pg	17:00:09.8	-0.3	T		164.7	23.9	ML 2.3
MOF	e Pg -	17:00:10.9	-0.2	T		170.9	173.9	
	Sg	17:00:31.2	0.2	T				
KIZ	e Pg -	17:00:11.6	-0.4	T		175.4	154.1	ML 2.4
	Sg	17:00:31.9	-0.4	T				
FELD	e Pg +	17:00:13.7	-0.0	T		186.2	153.5	
SIND	Pn -	17:00:12.0	-1.1	T		196.7	90.0	ML 2.3
SPAK	Pg	17:00:15.8	-0.1	T		198.8	134.9	
SLE	i Pg -	17:00:18.7	0.1	T		214.7	146.1	
GUT	Pg	17:00:19.0	-0.3	T		218.7	130.9	ML 2.4
UBR	Pg	17:00:34.5	0.9			303.0	127.4	ML 2.4
GRA1	e Pg Z	17:00:35.5	-0.0			314.5	82.0	
	e Sg E	17:01:13.5	1.5					
GEC2	e Pn Z	17:00:51.2	1.1		9.5	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
2002/01/18	02:46:02.2	+ - 0.81	51.470N	6.820E	8.9	4.4	116	1G		8	5	200	2.1ML	TNS	BGR	I
2002/01/18	02:46:01.5		51.517N	6.800E				1G					1.4ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	02:46:08.2	1.0	TA		33.6	104.5	ML 1.4
	e Sg N	02:46:11.1	0.0					
IBBN	e Sg E	02:46:34.2	1.4			109.6	36.4	ML 2.1
	TNS	e Pg Z	02:46:33.5					
WLF	e Sg N	02:46:53.4	-0.9			211.0	192.8	ML 2.3
	CLZ	e Pg Z	02:46:44.4					
	e Sg N	02:47:13.5	0.8					

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/18	10:25:52.8	+-	0.42	49.380N	6.890E	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	10:26:02.9	-0.3	T	1.1	61.9	301.0	ML 1.4
	e Sg N	10:26:10.9	0.4	T				
TNS	e Pg Z	10:26:18.0	0.5	T	1.8	145.8	49.4	ML 2.0
	e Sg E	10:26:34.0	-0.4	T				
BFO	e Pg Z	10:26:19.3	-0.1	T	2.5	157.2	137.4	ML 2.0
	e Sg N	10:26:37.3	-0.4	T				
GEC2	e Pn Z	10:27:01.1	0.6	T	2.7	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
2002/01/19	11:34:31.2	+-	0.45	49.360N	6.880E	6.7	4.4	34	1G		6	3	166	2.1ML		SZGRF	I
2002/01/19	11:34:30.1	+-	0.40	49.360N	6.900E	7.8	4.4	33	1G		9	5	165	2.1ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	11:34:41.2	0.3	T	3.2	63.7	302.4	ML 1.7
	e Sg N	11:34:48.2	-0.1	T				
TNS	e Pn Z	11:34:54.2	-0.7	T	4.6	146.7	48.6	ML 2.1
	e Pg Z	11:34:55.2	0.2	T				
BFO	e Sg N	11:35:12.2	0.2	T	5.3	155.1	137.0	ML 2.1
	e Pg Z	11:34:57.0	0.6	T				
WET	e Sg N	11:35:14.0	-0.4	T	3.0	434.4	90.9	
	e Pn E	11:35:28.5	-1.5	T				
GEC2	e Pn Z	11:35:39.3	1.5	T	6.4	498.3	94.0	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/20	20:57:20.2	+-	0.59	49.350N	6.890E	8.9	6.7	65	1G		5	3	167	1.8ML		SZGRF	I
2002/01/20	20:57:19.3	+-	0.40	49.390N	6.920E	7.8	5.6	30	1G		8	5	160	2.0ML	BFO	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	20:57:30.3	0.3	T	3.3	63.3	299.2	ML 1.8
	e Sg N	20:57:36.8	-0.6	T				

TNS	e	Pg	Z	20:57:44.1	0.5	T	3.6	143.4	49.2	ML	2.1
	e	Sg	N	20:57:59.3	-1.0	T					
BFO	e	Pg	Z	20:57:45.9	0.0	T	6.1	156.6	138.3	ML	2.0
	e	Sg	N	20:58:03.0	-1.1	T					
BUG	e	Sg	N	20:58:22.4	-2.4			229.3	6.1	ML	2.5
WET	e	Pn	Z	20:58:19.6	0.6	T	2.4	433.1	91.4		
GEC2	e	Pn	Z	20:58:28.3	1.4	T	7.6	497.1	94.4		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/22	10:01:13.2	+-	0.39	51.610N	7.610E	5.6	3.3	107	1G		7	5	135	2.2ML	TNS	BGR	I

Luenen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg Z	10:01:18.3	0.0	T	6.2	30.2	231.5	ML 1.9
	e Sg N	10:01:21.8	0.0	T				
IBBN	e Pg Z	10:01:26.6	0.2	T	1.4	78.2	7.3	ML 1.9
	e Sg N	10:01:35.6	0.1	T				
TNS	e Sg N	10:01:59.8	-0.5	T		165.1	158.8	ML 2.2
CLZ	e Sg N	10:02:08.2	0.2	T		192.0	81.2	ML 2.1
BFO	e Sg N	10:02:58.8	0.4	T		368.3	171.7	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/22	19:30:51.8			49.373N	6.890E				1G		31	14		2.9ML		LDG	L
2002/01/22	19:30:52.7	+-	0.60	49.340N	6.820E	10.0	8.9	48	1G		6	4	172	2.1ML		SZGRF	I
2002/01/22	19:30:51.6	+-	0.40	49.360N	6.950E	5.6	4.4	24	1G		12	9	162	2.4ML	TNS	BGR	I
2002/01/22	19:30:51.9	+-	0.20	49.380N	6.890E	3.0	2.0	50	1G		36	20	125	2.3ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
DUP	i Pg +	19:30:53.3	0.0	T		8.3	295.0	ML 2.5
RIVT	e Pg +	19:30:58.6	0.3	T		37.6	346.2	ML 1.9
RUP	e Pg +	19:30:59.0	0.7	T		37.8	18.8	
	e Sg	19:31:03.8	1.1	T				
WLF	e Pg Z	19:31:03.0	0.6		9.7	61.9	301.0	ML 2.0
	e Sg E	19:31:10.4	0.8					
PEB	e Pg -	19:31:03.2	-0.5	T		69.4	119.8	ML 2.4
ABH	e Pg -	19:31:04.2	-0.1	T		73.2	40.1	
	e Sg	19:31:13.3	0.5	T				
IMS	e Pg -	19:31:05.1	0.2	T		76.8	71.6	ML 2.1
	e PmP	19:31:06.6	-1.7	T				
	e Sg	19:31:15.2	1.4	T				
FSH	e Pn	19:31:05.9	-2.5			79.0	11.4	ML 2.3
LANF	e Pg -	19:31:05.4	-0.1	T		80.0	123.4	
BLI	e Pg	19:31:11.3	1.7			104.2	335.7	ML 2.3
ECH	e Pn -	19:31:13.5	-1.3	T		130.9	171.3	
	e Sn	19:31:28.6	-2.3	T				
SWS	e Pn	19:31:13.7	-1.1	T		131.5	84.3	ML 2.2
	e Pg	19:31:14.6	0.4	T				
	e Sg	19:31:30.7	1.3	T				
FACH	e Pg	19:31:14.2	-0.5	T		134.3	35.7	ML 2.4
TOD	e Pn -	19:31:14.8	-1.2	T		140.5	79.0	
	e Sn	19:31:32.0	-0.9	T				

TNS	e	Pg	Z	19:31:15.7	-1.0		10.1	145.8	49.4	ML	2.4
	e	Sg	N	19:31:33.8	0.2						
BFO	e	Pg	Z	19:31:17.0	-1.6		13.2	157.2	137.4	ML	2.3
	e	Sg	N	19:31:35.3	-1.5						
LBG	e	Pn		19:31:17.6	-0.7	T		160.1	119.1	ML	2.4
	e	Pg		19:31:19.1	0.0	T					
	e	Sn		19:31:35.7	-1.3	T					
	e	Sg		19:31:38.4	0.8	T					
BIW	e	Pn		19:31:19.3	0.4	T		164.7	23.9	ML	2.3
MOF	e	Pg	+	19:31:20.8	-0.1	T		170.9	173.9		
	e	Sg		19:31:41.1	0.4	T					
KIZ		Pn		19:31:20.0	-0.3			175.4	154.1	ML	2.4
	e	Pg		19:31:21.3	-0.3	T					
	e	Sn		19:31:38.6	-1.7	T					
	e	Sg		19:31:41.6	-0.4	T					
STU	e	Sg	E	19:31:40.9	-2.7			180.9	111.1	ML	2.4
FELD	e	Pg	+	19:31:23.0	-0.5	T		186.2	153.5		
	e	Sg		19:31:44.6	-0.5	T					
SIND		Pn		19:31:19.1	-3.7			196.7	90.0	ML	2.3
	e	Pg		19:31:21.8	-3.4						
SPAK	e	Pg		19:31:25.7	0.1	T		198.8	134.9		
BEU	e	Pg		19:31:26.4	-0.2	T		204.4	114.7	ML	2.3
SLE	e	Pg		19:31:28.4	0.1	T		214.7	146.1		
GUT		Pn		19:31:26.0	0.5			218.7	130.9	ML	2.6
	e	Pg		19:31:28.9	-0.0	T					
	e	Sg		19:31:54.6	0.2	T					
GRFO	e	Sg	E	19:32:20.0	-1.7			314.3	82.0	ML	2.9
GRA1	e	Sg	E	19:32:26.6	4.9			314.5	82.0		
MOX	e	Sg	N	19:32:35.2	-1.2			365.7	65.6	ML	2.8
CLZ	e	Sg	N	19:32:36.1	-0.9			367.7	40.6	ML	2.7
WET	e	Pn	Z	19:31:52.4	0.5		3.0	435.2	91.2		
GEC2	e	Pn	Z	19:32:00.1	0.4		17.0	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
2002/01/23 09:41:38.0 +- 1.74 49.340N 7.130E 27.8 6.7 92 1G 314.3 82.0 6 4 261 2.2ML TNS BGR I

Saarbruecken-East

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	09:42:00.3	-0.8	T	3.3	136.3	43.4	ML 2.2
	e Sg	N	09:42:17.1	0.2	T				
BFO	e Pg	Z	09:42:01.8	-0.4	T	4.8	142.5	141.5	ML 2.2
	e Sg	N	09:42:18.4	-0.3	T				
WET	e Pn	Z	09:42:36.5	0.6	T	2.7	417.7	90.8	
GEC2	e Pn	Z	09:42:44.2	0.6	T	4.9	481.5	94.1	

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/01/23 16:04:11.0 47.000N 9.100E 19 2.0ML SED

S of Glarus/CH, W of Chur

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg	N	16:04:56.6	-0.1			158.7	339.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/23	20:55:56.7		50.429N	7.690E				5G		22	7		2.5ML		LDG	L
2002/01/23	20:55:58.0	+ - 0.54	50.380N	7.760E	6.7	4.4	65	5G		7	5	174	2.1ML	BUG	BGR	L
2002/01/23	20:55:57.6	+ - 1.50	50.420N	7.650E	22.0	5.0	344	0G		11	8	123	2.0ML		LER	L

Bad Ems, E of Koblenz

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FACH	e Pg -	20:56:02.1	0.2	T		25.4	106.1	ML 2.5
	e Sg	20:56:04.9	0.0	T				
BIW	e Sg	20:56:11.0	2.8	T		37.0	20.9	ML 2.9
FSH	e Pg +	20:56:07.1	0.3	T		54.2	225.4	ML 2.6
	e Sg	20:56:17.7	4.6					
TNS	e Pg Z	20:56:07.7	-0.2		2.3	60.7	110.9	ML 1.7
	e Sg N	20:56:12.8	-2.1					
IMS	e Sg	20:56:24.9	0.5	T		93.6	168.9	ML 2.6
BLI	e Pg -	20:56:15.0	0.6	T		98.9	258.3	ML 2.9
	e Sg	20:56:28.4	2.5	T				
RIVT	e Pg +	20:56:14.1	-0.7	T		101.2	218.9	ML 2.9
	e Sg	20:56:28.9	2.4	T				
BUG	e Pg Z	20:56:18.7	1.4		1.1	116.6	346.9	ML 2.1
	e Sg N	20:56:33.2	2.3					
DUP	e Pg -	20:56:19.7	0.4	T		128.1	209.2	ML 2.4
	e Sg	20:56:35.2	1.0	T				
PEB	e Pg	20:56:23.0	-0.1			150.6	178.2	ML 3.0
BFO	e Sg N	20:57:04.0	-1.4			237.5	167.8	ML 2.3
CLZ	e Sg N	20:57:07.9	-0.3			247.1	49.2	ML 2.4
MOX	e Sg N	20:57:16.5	-1.5			281.4	83.4	ML 2.4

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/23	22:45:09.1	+ - 1.71	49.340N	7.090E	25.6	6.7	92	1G		6	4	263	2.1ML	TNS	BGR	I

Saarbruecken-East

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg Z	22:45:32.0	-0.5	T	2.9	138.3	44.3	ML 2.1
	e Sg N	22:45:48.7	0.1	T				
BFO	e Pg Z	22:45:33.3	-0.2	T	2.9	144.4	140.6	ML 2.0
	e Sg E	22:45:50.3	-0.0	T				
WET	e Pn Z	22:46:07.2	-0.1	T	1.3	420.6	90.8	
GEC2	e Pn Z	22:46:15.8	0.7	T	2.5	484.4	94.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/24	09:59:34.7	+ - 0.42	49.360N	6.910E	6.7	4.4	33	1G		7	4	164	2.2ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	09:59:45.6	-0.0	T	1.3	64.3	302.1	ML 1.9
	e Sg N	09:59:52.8	-0.2	T				
TNS	e Pg Z	09:59:59.3	-0.1	T	2.1	146.2	48.4	ML 2.2
	e Sg N	10:00:16.2	-0.2	T				

BFO	e	Pg	Z	10:00:01.1	0.2	T	3.7	154.6	137.3	ML	2.1
	e	Sg	N	10:00:18.4	-0.4	T					
GEC2	e	Pn	Z	10:00:43.2	1.0	T	2.9	497.5	94.0		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/24	18:06:26.0		49.900N	7.600E				10					2.5ML		NEIC	
2002/01/24	18:06:26.4		49.788N	7.513E				5G		38	14		3.3ML		LDG	L
2002/01/24	18:06:27.3	+ - 0.62	49.909N	7.625E				11	+ - 4.1	14	7	295	2.5ML		BNS	L
2002/01/24	18:06:26.1	+ - 0.32	49.880N	7.600E	5.6	4.4	145	10G		14	7	94	2.5ML		SZGRF	L
2002/01/24	18:06:25.5	+ - 0.30	49.870N	7.620E	3.3	3.3	160	5G		20	11	141	2.5ML	TNS	BGR	L
2002/01/24	18:06:26.1	+ - 0.29	49.835N	7.582E	3.4	2.4	27	10	+ - 3.5	31	14	79	2.7ML		LED	L
2002/01/24	18:06:25.6	+ - 0.80	49.830N	7.610E	4.0	3.0	66	28	+ - 24.0	14	8	116	2.8ML		LER	L

Simmern/Hunsrueck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
ABH	i Pg -	18:06:28.3	-2.2			7.3	322.1	
	Sg	18:06:30.0	-3.9					
IMS	e Pg -	18:06:32.6	-0.4	T		33.6	141.3	ML 2.6
	e Sg	18:06:37.2	-0.9	T				
RUP	i Pg +	18:06:33.3	-0.9			42.0	250.4	
	Sg	18:06:38.1	-1.9					
FSH	e Pg +	18:06:34.1	-0.5	T		45.1	307.6	ML 3.0
	e Sg	18:06:39.4	-1.4	T				
BGG	e Pg - Z	18:06:34.2	-0.5			46.2	335.0	
	i Sg E	18:06:39.5	-1.5					
RIVT	e Pg +	18:06:36.3	-0.8	T		62.2	257.7	ML 2.7
	PmP	18:06:39.6	2.1					
	e Sg	18:06:43.6	-1.5	T				
	SmS	18:06:46.6	1.0					
FACH	e Pg +	18:06:36.7	-0.8	T		64.6	24.9	ML 2.6
	PmP	18:06:38.7	0.9					
	e Sg	18:06:44.8	-0.9	T				
	SmS	18:06:46.8	0.6					
KTD	Pg	18:06:37.8	0.0			66.2	148.8	
	Sg	18:06:46.0	-0.1					
KOE	i Pg + Z	18:06:37.4	-0.5			66.7	7.5	
	i Sg E	18:06:44.2	-2.0					
TNS	e Pg Z	18:06:38.0	-1.0		27.8	74.0	53.6	ML 2.5
	e Sg N	18:06:45.8	-2.4					
DUP	e Pg +	18:06:38.3	-1.0	T		75.4	232.2	ML 3.0
	e Sg	18:06:50.8	2.2					
	i SmS	18:06:50.6	1.6					
HIL	e Pg Z	18:06:40.5	-0.1			84.0	308.1	
	e Sg E	18:06:50.3	-0.6					
PEB	e Pg -	18:06:40.5	-0.3	T		85.2	174.8	ML 3.0
	e Sg	18:06:50.4	-0.8	T				
SWS	e Pg	18:06:40.8	-0.4			87.4	115.7	ML 2.4
	e Sg	18:06:51.3	-0.5					
TOD	e Pg -	18:06:41.2	-0.3			89.4	105.8	
	Sg	18:06:52.8	0.5					
LANF	Pg	18:06:42.9	0.4			95.5	171.4	
	Sg	18:06:54.1	0.1					
STB	e Pg Z	18:06:43.2	-0.2			101.1	327.4	
	e Sg N	18:06:54.0	-1.6					
BIW	e Pg -	18:06:42.7	-0.7			101.5	9.1	ML 3.0

	e	Sg		18:06:55.2	-0.5																	
BLI	e	Pg	+	18:06:43.7	-0.2																	
	e	Sg		18:06:56.5	-0.1																	
WLF	e	Pg	Z	18:06:43.2	-1.0	12.1		106.3	260.6													ML 2.6
	e	Sg	N	18:06:56.1	-0.9																	
KLL	e	Pg	Z	18:06:46.9	-1.2			129.5	315.0													
	e	Sg	E	18:07:02.3	-1.2																	
BNS	e	Pg	Z	18:06:46.8	-1.3			129.7	346.5													
	i	Sg	E	18:07:01.6	-1.9																	
HOB	e	Pg	Z	18:06:46.8	-1.3			129.7	351.4													
	e	Sg	E	18:07:01.0	-2.5																	
SIND		Pg		18:06:52.3	0.2			153.5	109.6													ML 2.8
		Sn		18:07:07.1	2.9																	
LBG		Pg		18:06:53.0	0.6			155.6	146.0													ML 2.5
		Sg		18:07:11.0	0.3																	
WLS	e	Pg	-	18:06:52.3	-0.6			158.7	186.8													
STU	e	Sg	N	18:07:12.6	-0.7			164.5	135.1													ML 2.6
BFO	e	Pg	Z	18:06:56.2	0.6	5.7		174.8	162.3													ML 2.4
	e	Sg	E	18:07:15.7	-0.5																	
BUG	e	Sg	E	18:07:14.3	-3.5			180.7	352.5													ML 2.4
ECH		Pg		18:06:56.0	-0.9			182.5	190.6													
KIZ		Pg		18:07:01.9	0.4			209.6	173.7													ML 2.6
		Sg		18:07:25.6	-0.4																	
FELD		Pg		18:07:03.4	0.4			219.1	172.3													
MOF		Pg		18:07:02.9	-0.7			222.7	189.2													
GUT		Pn		18:06:57.2	0.5			224.4	150.1													ML 2.7
		Sg		18:07:30.1	-0.1																	
HDH	i	Sg		18:07:33.0	0.1			234.0	125.3													ML 2.5
GRFO	e	Sg	N	18:07:39.1	-1.2			259.8	92.0													ML 2.7
GRA1	e	Pg	Z	18:07:09.8	-0.1			259.9	92.0													ML 2.6
	e	Sg	E	18:07:40.4	0.1																	
CLZ	e	Pg	Z	18:07:14.1	-1.9	2.1		296.0	39.9													ML 3.0
	e	Sg	E	18:07:49.0	-1.5																	
MOX	e	Pn	Z	18:07:09.0	3.1	1.1		298.9	70.8													ML 2.5
	e	Sn	E	18:07:40.4	5.5																	
	e	Sg	N	18:07:50.4	-0.9																	
WET	e	Pn	Z	18:07:20.8	4.1	3.0		388.0	99.3													ML 2.9
	e	Sn	N	18:07:58.6	4.8																	
	e	Sg	E	18:08:15.7	-1.1																	
CLL	e	Sg	N	18:08:22.6	-1.7			414.6	64.6													
GEC2	e	Pn	Z	18:07:28.1	3.3	2.3		454.6	101.6													
	e	Sn	N	18:08:13.7	5.9																	
	e	Sg	E	18:08:35.2	-0.6																	

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/01/24 20:05: 8.9 +- 0.68 51.540N 16.240E 8.9 7.8 151 1G 14 8 269 4.3ML SZGRF I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	20:05:38.5	-0.3	T		176.4	246.0	ML 4.1
	e Sg	N	20:05:59.2	-0.1	T				
RUE	e Pn	Z	20:05:39.9	-0.1	T		197.9	302.7	ML 4.1
CLL	e Pn	Z	20:05:43.3	-0.1	T		225.9	264.7	ML 4.0
	e Sg	N	20:06:13.8	0.4	T				
MOX	e Pn	Z	20:05:57.6	0.6	T		337.9	254.7	ML 4.6

	e	Pg	Z	20:06:05.6	-0.6	T											
	e	Sg	E	20:06:46.1	0.7	T											
GEC2	e	Pn	Z	20:05:59.7	1.2	T	349.9	212.1	ML	4.1							
WET	e	Pn	Z	20:06:00.3	0.9	T	357.5	223.1	ML	4.1							
	e	Sg	E	20:06:50.2	-0.8	T											
CLZ	e	Pn	Z	20:06:07.0	1.7	T	405.7	277.0	ML	4.3							
	e	Sg	N	20:07:04.5	-0.3	T											
GRA1	e	Sg	E	20:07:06.8	1.0	T	409.2	241.8	ML	4.8							

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/25	11:51:16.3	+/- 0.59	49.350N	6.890E	8.9	6.7	66	1G		5	3	167	2.0ML		SZGRF	I
2002/01/25	11:51:15.6	+/- 0.41	49.360N	6.860E	6.7	4.4	34	1G		8	5	167	2.0ML	BFO	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg E	11:51:26.6	0.5	T	3.8	61.3	303.8	ML 1.7
	e Sg E	11:51:32.8	-0.4	T	1.8			
TNS	e Pg Z	11:51:40.3	-0.6	T	4.5	148.9	49.3	ML 2.2
	e Sg N	11:51:58.3	0.1	T	2.8			
BFO	e Pg Z	11:51:41.9	-0.3	T	6.1	157.1	136.2	ML 2.0
	e Sg N	11:52:00.1	-0.4	T	4.1			
WET	e Pn Z	11:52:16.7	0.8	T	1.7	437.3	90.9	
GEC2	e Pn Z	11:52:24.5	0.8	T	6.0	501.2	94.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/25	13:13:24.4		47.600N	6.300E				2					2.1ML		SED	

S of Vesoul/F

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/27	02:24:17.0		47.970N	9.320E				17					4.1ML		NEIC	
2002/01/27	02:24:17.3		47.926N	9.291E				12G		78	32		3.6ML		LDG	L
2002/01/27	02:24:15.6		48.000N	9.300E				22					3.4ML		SED	
2002/01/27	02:24:16.8	+/- 0.53	47.980N	9.310E	7.8	3.3	16	20	+/- 0.6	16	9	217	3.5ML	BFO	BGR	L
2002/01/27	02:24:16.8	+/- 0.29	47.980N	9.330E	5.6	4.4	28	10G		24	12	146	3.5ML		SZGRF	L
2002/01/27	02:24:17.3	+/- 0.11	47.968N	9.318E	1.5	1.2	56	18	+/- 1.6	43	15	75	3.9ML		LED	L

Stockach, N of Singen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GUT	i Pg -	02:24:21.6	-0.0	T		18.9	307.2	ML 3.9
	e PmP	02:24:24.6	-0.6	T				
	i Sg	02:24:24.9	0.3	T				
SPAK	i Pg -	02:24:25.2	0.2	T		42.3	290.9	
	i Sg	02:24:30.4	0.0	T				
SLE	i Pg +	02:24:28.6	-0.2	T		65.5	250.3	
	e Sg	02:24:36.3	-0.3	T				
	i SmS	02:24:38.0	-1.6	T				
UBR	i Pg -	02:24:29.4	0.3	T		67.1	118.1	ML 4.0
	i PmP	02:24:30.5	-0.3	T				

	i	Sg	02:24:37.9	0.8	T				
	i	SmS	02:24:39.3	-0.7	T				
WILA	i	Pg +	02:24:29.2	-0.1	T	68.8	206.7		
	e	Sg	02:24:38.0	0.4	T				
		SmS	02:24:39.1	-1.3	T				
BEU	e	Pg -	02:24:29.3	-0.0	T	68.9	6.0	ML	3.9
	e	Sg	02:24:38.0	0.4	T				
		SmS	02:24:39.3	-1.1	T				
KAMOR	i	Pg -	02:24:30.8	0.2	T	76.5	170.4		
		PmP	02:24:31.6	-0.5	T				
		Sg	02:24:40.8	1.1	T				
		SmS	02:24:41.5	-0.7	T				
BFO	e	Pg Z	02:24:31.4	-0.3		83.7	299.1	ML	3.5
	e	Sg N	02:24:41.5	-0.2					
LBG	i	Pn -	02:24:31.6	-1.2	T	86.5	333.6	ML	3.6
	i	Pg -	02:24:32.0	-0.3	T				
	i	Sg	02:24:42.5	0.0	T				
ZUR	e	Pn +	02:24:31.7	-1.2	T	86.5	219.9		
	i	Pg +	02:24:32.1	-0.2	T				
	i	Sg	02:24:42.7	0.1	T				
		SmS	02:24:43.3	-1.5	T				
DAVA	i	Pg - Z	02:24:32.5	0.2		86.7	150.7	ML	3.2
	e	Sg Z	02:24:43.4	0.9					
STU	e	Pg Z	02:24:32.4	-0.4		89.7	354.2	ML	3.7
	e	Sg N	02:24:42.9	-0.5					
HDH	e	Pn +	02:24:32.4	-1.4	T	95.0	43.5	ML	3.6
	e	Pg	02:24:33.2	-0.5	T				
		Sg	02:24:45.0	0.2	T				
FELD	e	Pn +	02:24:33.1	-1.2	T	98.4	264.5		
	i	Pg -	02:24:33.8	-0.4	T				
KIZ	e	Pn +	02:24:33.6	-1.4	T	104.2	269.8	ML	4.1
	e	Pg	02:24:34.5	-0.7	T				
	i	Sg	02:24:47.1	-0.4	T				
FBB		Pg	02:24:35.3	-0.7	T	109.1	272.5		
		Sg	02:24:48.3	-0.5	T				
LIBD	e	Pg	02:24:38.7	-0.6	T	129.1	279.7		
		Sg	02:24:54.3	-0.2	T				
BBS	i	Pn +	02:24:38.8	-1.3	T	146.4	248.2		
	e	Pg	02:24:41.8	-0.5	T				
FUR	e	Pn Z	02:24:39.8	-0.4		2.2	147.0	80.8	ML 3.7
	e	Pg Z	02:24:41.6	-0.8					
	e	Sg N	02:24:59.6	0.0					
WLS	e	Pg +	02:24:43.5	0.0		153.8	289.5		
SIND	i	Pn +	02:24:39.7	-1.5		155.0	7.7	ML	3.6
		Sn	02:24:56.7	-1.5					
	i	Sg	02:25:00.9	-0.9					
LANF		Pg	02:24:44.7	0.4		158.5	315.8		
ECH		Pg	02:24:46.2	1.2		162.7	280.6		
MOF		Sg	02:25:02.9	-1.3		163.4	266.3		
SWS	e	Pn -	02:24:42.5	-1.1		174.6	345.2	ML	3.3
	e	Pg	02:24:47.1	0.1					
	e	Sg	02:25:07.1	-0.3					
KTD		Pg	02:24:48.6	1.4		175.6	329.4		
OGA	i	Pg +	02:24:45.0	-2.5		177.4	133.0		
TOD		Pg	02:24:49.0	0.1		185.9	348.5		
LOMF		Pg	02:24:51.0	-0.1		198.7	250.7		
SCE	e	Pn	02:24:49.3	1.7		207.3	119.0	ML	3.2
GRFO	e	Pn N	02:24:49.2	-2.0		2.8	236.8	35.3	ML 3.4

	e	Sg	Z	02:25:23.9	-1.2	4.8												
GRA1	e	Pg	Z	02:24:57.6	0.1		237.0	35.3	ML	3.7								
	e	Sg	E	02:25:24.5	-0.7													
ABH		Pg		02:25:00.1	0.5		249.0	329.4										
RUP		Pg		02:25:00.7	0.3		253.9	320.2										
TNS	e	Pn	Z	02:24:53.2	-0.6		258.6	346.1	ML	3.4								
	e	Sg	N	02:25:31.7	0.4													
ROTZ	e	Pn		02:24:56.0	-1.8		291.1	45.5										
WET	e	Pn	Z	02:24:57.1	-0.9		292.8	62.2	ML	3.4								
	i	Pg		02:25:06.5	-0.5													
	e	Sg	E	02:25:40.7	-0.4													
WLF	e	Pn	Z	02:25:00.1	1.3		298.8	310.3	ML	3.2								
	e	Sg	N	02:25:41.8	-1.0													
KBA	e	Pn	Z	02:25:03.2	2.2		318.1	106.6	ML	3.4								
GEC2	e	Pn	Z	02:25:03.3	-0.2		337.9	71.6	ML	3.4								
	e	Sg	N	02:25:54.0	0.0													
MOX	e	Pn	Z	02:25:01.7	-2.2		341.0	28.4	ML	3.6								
	e	Pg		02:25:13.6	-1.6													
	e	Sg	N	02:25:53.5	-1.3													
MOA	e	Pn	Z	02:25:07.9	0.7		368.9	90.2										
	e	Sn	N	02:25:45.7	2.3													
	e	Sg	N	02:26:01.3	-1.5													
CLL	i	Pg	-	02:25:35.6	0.9		456.3	34.2	ML	3.5								
	i	Sg		02:26:26.0	-1.7													
BRG	e	Pn		02:25:21.8	2.8		464.9	44.3	ML	3.2								
	e	Pg		02:25:36.8	0.7													
	e	Sg		02:26:27.1	-3.1													

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/27	04:46:11.7		47.935N	6.493E				14G		17	8		2.3ML		LDG	L

Le Val-d'Ajol/F, SW Vosges Mountains

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg N	04:46:52.6	-0.2		1.7	143.2	71.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/29	16:30:22.3		48.262N	6.559E				6G		12	8		2.0ML		LDG	L

Epinal-N/F, Rambervillers

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg N	16:31:00.4	0.6		3.0	131.2	86.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/30	14:56:47.4		47.300N	7.400E				0					2.1ML		SED	

Delemont, Solothurn/CH

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg N	14:57:30.0	4.3		3.0	133.9	30.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/30	16:54:41.7	+ - 0.45	49.350N	6.900E	6.7	4.4	34	1G		6	3	166	1.6ML		SZGRF	I
2002/01/30	16:54:40.9	+ - 0.43	49.350N	6.860E	6.7	4.4	34	1G		7	4	168	2.2ML	BFO	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 16:54:51.8	0.4	T	3.1	61.9	304.7	ML 1.9
	e Sg	E 16:54:58.2	-0.4	T	2.3			
TNS	e Pg	Z 16:55:05.8	-0.5	T	5.8	149.6	49.0	ML 2.4
	e Sg	N 16:55:23.9	0.2	T	3.5			
BFO	e Pg	Z 16:55:07.4	-0.0	T	7.6	156.3	136.0	ML 2.2
	e Sg	N 16:55:25.7	0.1	T	3.0			
GEC2	e Pn	Z 16:55:49.7	0.7	T	6.6	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
2002/01/31	12:27:15.4	+ - 0.78	51.410N	16.330E	10.0	7.8	105	1G		12	6	280	3.8ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z 12:27:45.2	-0.2	T		176.9	251.2	ML 3.4
	e Sg	E 12:28:06.7	0.7	T				
RUE	e Pn	Z 12:27:47.6	-0.5	T		211.2	305.1	ML 3.9
	e Sg	N 12:28:15.7	-0.0	T				
CLL	e Pn	Z 12:27:50.6	0.0	T		231.3	268.5	ML 3.6
	e Sg	N 12:28:22.0	0.5	T				
MOX	e Pn	Z 12:28:04.6	0.8	T		340.4	257.4	ML 3.9
	e Sg	N 12:28:54.3	1.6	T				
WET	e Pn	Z 12:28:07.3	2.0	T		351.6	225.6	ML 3.7
	e Sg	N 12:28:55.1	-0.8	T				
GRA1	e Pn	Z 12:28:14.2	2.0	T		408.2	244.1	ML 4.2
	e Sg	E 12:29:10.4	-1.6	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/01/31	14:30:45.8		49.910N	7.445E				6G		16	7		2.8ML		LDG	L
2002/01/31	14:30:47.2	+ - 0.38	49.830N	7.510E	5.6	4.4	143	0G		7	4	103	2.1ML	TNS	BGR	B

Simmern/Hunsrueck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z 14:31:00.2	-0.6	T	14.4	79.9	56.5	ML 2.1
	e Sg	N 14:31:10.9	0.8	T	1.6			
WLF	e Pg	Z 14:31:04.8	0.7	T	4.4	99.3	259.8	ML 2.1
	e Sg	E 14:31:15.7	0.1	T	1.5			
BFO	e Pg	Z 14:31:17.5	0.2	T	3.6	177.1	160.0	ML 2.2
	e Sg	N 14:31:37.6	-0.3	T	2.4			
BUG	e Sn	N 14:31:35.8	-1.0	T	1.9	179.9	354.7	ML 2.4

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Sg	2002/01/01	05:59:42.5						
BRG	e Sg	2002/01/02	20:00:57.6						
CLL	i Sg	2002/01/02	22:12:58.5						
MOX	e Sg	2002/01/02	23:37:41.7						
MOX	e Sg	2002/01/03	00:13:37.5						
BRG	e Sg	2002/01/03	07:00:50.2						
CLL	i Sg	2002/01/03	20:31:22.0						
MOX	e (Sg)	2002/01/04	06:01:22.2						
BRG	e Sg	2002/01/04	23:53:09.8						
CLL	i Sg	2002/01/05	04:50:35.9						
BRG	e Sg	2002/01/05	06:33:11.1						
BRG	e Sg	2002/01/05	10:29:45.0						
SCE	i Pg +	2002/01/05	11:16:33.2						
SCE	e Sg	2002/01/05	11:16:36.2						
BRG	e Sg	2002/01/06	02:31:49.9						
BRG	e Sg	2002/01/09	20:01:48.3						
BRG	e Sg	2002/01/10	12:13:25.2						
BRG	e Sg	2002/01/10	21:10:52.0						
BRG	e Sg	2002/01/11	00:49:49.9						
BRG	e Sg	2002/01/12	06:25:31.9						
BRG	e Sg	2002/01/12	13:35:39.2						
BRG	e Sg	2002/01/13	05:24:15.0						
BRG	e Sg	2002/01/14	01:23:56.3						
OGA	i Pg -	2002/01/14	02:38:48.2						
BRG	e Sg	2002/01/14	12:02:13.1						
BRG	e Sg	2002/01/15	10:14:28.9						
BRG	e Sg	2002/01/16	03:13:11.2						
BRG	e Sg	2002/01/16	12:37:26.8						

BRG	e	Sg	2002/01/16	15:35:11.1
BRG	e	Sg	2002/01/18	09:42:14.4
BRG	e	Sg	2002/01/19	16:23:04.5
BRG	e	Sg	2002/01/20	01:36:54.3
BRG	e	Sg	2002/01/20	04:15:12.5
SCE	i	Pg -	2002/01/20	16:37:16.3
BRG	e	Sg	2002/01/20	20:17:30.4
BRG	e	Sg	2002/01/21	06:49:26.5
BRG	e	Sg	2002/01/21	19:06:34.0
BRG	e	Sg	2002/01/22	11:00:56.9
BRG	e	Sg	2002/01/24	04:00:17.8
SCE	e	Pn	2002/01/25	05:57:51.7
BRG	e	Sg	2002/01/25	20:14:13.6
OGA	i	Pg -	2002/01/26	00:04:16.5
BRG	e	Sg	2002/01/27	04:20:37.7
BRG	e	Sg	2002/01/27	07:57:12.2
BRG	e	Sg	2002/01/27	23:55:33.0
BRG	e	Sg	2002/01/28	08:44:01.4
BRG	e	Sg	2002/01/28	18:36:24.6
BFO	e	Sg	2002/01/29	16:31:00.4
BRG	e	Sg	2002/01/30	07:14:00.1
BRG	e	Sg	2002/01/30	18:03:35.8
BRG	e	Sg	2002/01/30	21:00:57.8
BRG	e	Sg	2002/01/30	21:25:17.4
BRG	e	Sg	2002/01/30	23:02:24.7
BRG	e	Sg	2002/01/31	09:51:59.1