

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/01	01:59:18.7	+ - 0.95	49.160N	6.790E	13.3	5.6	68	5G		6	3	221	2.1ML	TNS	BGR	I

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

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	01:59:44.0	0.6	T	5.0	145.8	128.7	ML 1.8
	e Sg	E	01:59:59.8	-0.6	T	15.7			
TNS	e Pn	Z	01:59:45.7	0.1	T	1.5	167.8	44.6	ML 2.1
	e Pg	Z	01:59:47.5	0.4	T	3.8			
	e Sg	E	02:00:06.9	0.2	T	6.0			
GSH	e Sg	E	02:00:09.2	-0.3	T	1.9	177.8	350.6	ML 2.0

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/01	02:42:22.3		51.456N	6.337E				5G			15		2.4ML	UCC	NEIC	
	ML= 3.0(STR)															
1997/11/01	02:42:25.0	+ - 0.40	51.433N	6.378E	6.6	5.0	31	2	+ - 0.0	27			2.7ML		LDG	L
1997/11/01	02:42:26.4	+ - 0.68	51.400N	6.660E	10.0	4.4	124	1G		9	5	201	1.9ML		SZGRF	I
1997/11/01	02:42:22.4		51.478N	6.483E				1G					2.1ML		RUB	

Moers, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg	- Z	02:42:33.4	1.7	TA		54.6	94.0	ML 1.8
	e Sg	E	02:42:40.2	2.2					
GSH	e Pg	Z	02:42:38.0	1.6			82.7	185.2	ML 1.9
	e Sg	E	02:42:49.4	3.3					
IBBN	e Sg	E	02:43:02.1	3.4			127.1	43.0	
TNS	e Pg	Z	02:42:55.2	-0.5			196.2	134.6	ML 2.1
	e Sg	E	02:43:17.6	-0.9					
CLZ	e Pg	Z	02:43:09.1	0.7			271.3	79.9	
	e Sg	E	02:43:40.6	0.7					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/01	10:42:14.2	+ - 0.70	49.350N	6.790E	11.1	4.4	65	0G		8	5	214	2.1ML	TNS	BGR	I?

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	10:42:39.9	-0.3	T	5.3	153.5	50.2	ML 2.1
	e Sg	E	10:42:57.6	-0.5	T	7.3			
GSH	e Pg	Z	10:42:40.4	-0.4	T	2.0	157.0	349.3	ML 1.9
	e Sg	N	10:42:58.8	-0.3	T	3.3			
BFO	e Pg	Z	10:42:41.3	0.0	T	8.1	159.9	134.6	ML 1.9
	e Sg	E	10:42:59.1	-0.8	T	13.0			

GRFO	e	Pg	Z	10:43:10.0	1.2	T	3.7	322.0	81.6
GEC2	e	Pn	Z	10:43:24.1	1.1	T	8.3	506.1	93.7

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/06	22:56:42.8	+- 0.47	51.690N	7.220E	8.9	4.4	114	1G		9	5	178	2.0ML		SZGRF	I
1997/11/06	22:56:43.4	+- 0.50	51.630N	7.320E	8.9	4.4	108	1G		6	4	167	2.2ML	IBBN	BGR	I
1997/11/06	22:56:40.4		51.688N	7.134E				1G					1.9ML		RUB	I

Recklinghausen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	22:56:46.2	0.9	TA		29.1	161.2	ML 1.8
	e Sg N	22:56:50.8	2.1					
IBBN	e Pg Z	22:56:54.7	0.6			81.0	31.5	ML 2.2
	e Sg N	22:57:06.6	3.1					
GSH	e Pg Z	22:57:03.6	3.2		2.2	118.2	206.8	ML 2.1
	e Sg E	22:57:17.7	3.5					
TNS	e Pg Z	22:57:13.4	1.2		2.8	187.1	150.0	ML 2.3
	e Sg N	22:57:33.6	-0.3					
CLZ	e Sg N	22:57:44.2	-0.1			223.5	84.4	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/08	20:05:44.3	+- 1.00	52.350N	7.770E	11.1	4.4	151	1G		10	5	257	2.8ML		SZGRF	I

Tecklenburg/Ibbenbueren, W of Osnabrueck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e Pg Z	20:05:44.7	-0.5	T		4.8	190.8	ML 3.2
	e Sg Z	20:05:45.3	-0.4					
BUG	e Pg Z	20:06:02.2	-0.2	T		106.8	199.0	ML 2.8
	e Sg E	20:06:15.6	0.8					
CLZ	e Pg Z	20:06:15.2	-0.7	T		186.5	106.6	ML 2.5
	e Sg E	20:06:37.2	-0.5					
GSH	e Pg Z	20:06:17.2	-1.7	T		203.6	208.8	ML 2.7
	e Sg E	20:06:41.8	-0.7					
TNS	e Pn	20:06:21.3	0.6	T		241.2	168.5	ML 2.9
	e Pg Z	20:06:23.1	-2.1					
	e Sn -	20:06:45.3	-1.4					
MOX	e Sg E	20:06:53.9	0.7	T		326.8	123.9	
	i (Pg)	20:06:42.4	2.7					
CLL	e Sg	20:07:23.6	5.9			377.7	105.8	
	e Sg	20:07:33.0	0.8					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/09	01:27:47.5		48.256N	7.775E				5G			18		2.2ML	LDG	NEIC	
ML= 1.9(STR)																
1997/11/09	01:27:49.3	+- 1.70	48.340N	7.910E	16.7	6.7	53	5G		7	5	277	2.2ML	TNS	BGR	L
1997/11/09	01:27:47.7	+- 0.10	48.290N	7.800E	2.0	1.0	18	5	+- 4.0	26	16	55	2.0ML		LEDBW	L

Lahr/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
LIBD	i Pg +	01:27:51.9	0.5	T		21.3	223.3	
	e Sg	01:27:54.8	0.8					
KIZ	i Pg -	01:27:54.2	-0.0	T		38.1	166.7	ML 1.7
	i Sg	01:27:58.9	0.2	T				
BFO	i Pg +	01:27:54.5	0.0	T		39.4	83.3	
	e Sg	01:27:59.1	0.1	T				
HEX	i Pg -	01:27:54.5	-0.0	T		39.6	139.0	
	e Sg	01:27:59.3	0.2					
FELD	i Pg -	01:27:56.0	0.1	T		48.4	161.7	
	e Sg	01:28:01.8	0.2	T				
LBG	e Pg	01:28:02.2	0.2			84.3	60.1	ML 1.8
	e Sg	01:28:12.4	0.5					
BBS	e Pg +	01:28:04.1	0.4	T		94.3	193.4	
	e Sg	01:28:14.9	0.3	T				
GUT	i Pn -	01:28:05.0	-1.4	T		100.5	103.5	ML 2.0
	i Sn	01:28:16.7	-2.8	T				
	i SmS	01:28:17.4	-3.0					
BEU	i Pn -	01:28:08.6	-0.7			123.6	74.1	ML 2.0
	i Sn	01:28:23.6	-0.8					
	i Sg	01:28:24.4	1.4					
RUP	i Pg +	01:28:15.8	-0.1	T		166.0	341.3	
ABH	i Pg	01:28:17.6	-0.3	T		177.9	354.2	
	e Sg	01:28:37.5	-1.0					
HDH	i Pg	01:28:18.6	0.3	T		180.5	78.7	ML 2.1
	e Sg	01:28:39.4	0.1	T				
UBR	e Sg	01:28:40.6	0.1			184.6	110.7	ML 2.1
HOL	e Pg	01:28:19.9	0.0	T		190.0	50.0	ML 2.1
TNS	e Sg E	01:28:50.4	-0.1			219.9	12.1	ML 2.2
FUR	e Sg E	01:29:01.8	0.5			257.8	91.8	
GRFO	e Pg Z	01:28:37.5	-0.1		1.4	294.1	56.7	
	e Sg E	01:29:10.9	-0.8					
WET	e Sg N	01:29:35.7	-1.8			384.4	73.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/09	05:25:34.8	+- 0.33	51.590N	7.800E	4.4	3.3	133	1G		10	5	112	2.0ML		SZGRF	I

Unna, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	05:25:40.8	-0.8	T		40.3	245.9	ML 1.9
	e Sg	E	05:25:46.1	-0.2	T				
IBBN	e Pg	Z	05:25:46.9	-1.4	T		79.8	357.9	ML 2.0
	e Sg	E	05:25:58.2	0.6	T				
GSH	e Pg	Z	05:25:56.4	-1.6	T		137.3	226.8	ML 2.0
	e Sg	E	05:26:14.9	0.9	T				
TNS	e Pg	Z	05:26:01.0	-0.7	T		158.7	163.1	
	e Sg	E	05:26:20.1	-0.0	T				
CLZ	e Pg	N	05:26:04.7	-0.5	T		179.4	80.0	
	e Sg	E	05:26:25.6	-0.4	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/09	13:58:05.0		47.055N	8.541E				5G			5		2.1ML	LDG	NEIC	
Poor solution																

Zug, Schwyz/Ch, Zuger See

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	13:58:34.1	4.9		1.4	142.7	353.7	
	e Sg	N	13:58:53.1	7.3					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/10	16:13:04.9		50.222N	10.199E				10G			22		3.3ML	STR	NEIC	
ML= 3.2(VIE)																
1997/11/10	16:13:03.8	+ - 0.48	50.480N	10.369E	7.6	5.8	171	17	+ - 2.2	38			3.3ML		LDG	L
1997/11/10	16:13:05.1	+ - 0.50	50.380N	10.280E	12.0	4.0	328	10G		37	23	177	3.2ML		LEDBW	L
1997/11/10	16:13:05.5	+ - 0.30	50.420N	10.270E	4.4	3.3	171	10G		12	8	101	2.9ML	MOX	BGR	L
1997/11/10	16:13:05.7	+ - 0.25	50.390N	10.290E	4.4	3.3	11	10G		21	11	82	3.1ML		SZGRF	L

Bad Neustadt a. d. Saale, N of Schweinfurt

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	i Pg	+ Z	16:13:22.0	-0.4	T		97.9	72.7	ML 2.9
	e Sg	N	16:13:34.1	0.4	T				
GRA1	i Pg	- Z	16:13:23.1	0.0	T		102.2	139.0	
	e Sg	N	16:13:36.1	1.1	T				
GRFO	e Pg	Z	16:13:23.2	0.2			102.3	139.1	
	e Sg	N	16:13:35.8	0.8					
HOF	i Pg	+	16:13:24.3	-0.6			112.9	93.7	
	i Sg		16:13:38.1	0.1					
HOL	e Pn		16:13:24.7	-1.3			118.4	197.0	ML 3.6
	i Pg	-	16:13:25.3	-0.5					
	e Sg		16:13:38.6	-1.0					

TNS	e	Pn	+	16:13:26.8	-0.9		132.2	262.6	ML	3.1
	i	Pg	+ Z	16:13:28.1	-0.1	T				
	e	Sg	N	16:13:44.1	0.6	T				
TOD	i	Pn	+	16:13:26.7	-1.6		137.4	231.2		
	i	Pg	+	16:13:28.4	-0.7					
	e	Sg		16:13:45.1	0.1					
GRB1	e	Pg	Z	16:13:30.7	-0.1	T	147.8	138.2		
	e	Sg	E	16:13:47.8	-0.2	T				
ROTZ	i	Pn	-	16:13:30.2	-0.0		153.4	116.1	ML	3.0
HEI	i	Pn	-	16:13:29.0	-1.7		157.1	226.0		
	e	Pg		16:13:32.2	-0.2					
	e	Sg		16:13:50.4	-0.3					
CLZ	e	Pn	Z	16:13:30.9	-0.4		161.5	2.0	ML	3.4
	e	Sg	N	16:13:51.1	-0.7	T				
GRC1	e	Pg	Z	16:13:35.6	-0.3	T	178.5	149.8	ML	2.6
	e	Sg	N	16:13:55.3	-1.4	T				
KTD	i	Pg	+	16:13:39.5	0.3		197.9	233.9		
	e	Sg		16:14:02.2	-0.0					
HDH	e	Pn		16:13:34.9	-1.2		200.9	181.7	ML	3.3
	i	Pg	-	16:13:39.2	-0.6					
	e	Sg		16:14:01.2	-1.9					
ABH	e	Pg		16:13:39.0	-1.2		203.5	254.9		
	e	Sg		16:14:04.5	0.7					
BEU	i	Pn	-	16:13:35.5	-1.7		210.5	197.8	ML	3.2
	e	Sg		16:14:04.2	-1.6					
CLL	e	Pn	Z	16:13:39.4	1.5		216.0	60.8	ML	3.0
	e	Pg	Z	16:13:41.3	-1.0	T				
	e	Sg	E	16:14:06.9	-0.5	T				
LBG	e	Sg		16:14:06.6	-2.0		220.2	209.9	ML	3.2
WET	e	Pg	Z	16:13:44.6	-0.3	T	231.8	125.7		
	e	Sg	N	16:14:10.2	-1.7	T				
RUP	e	Pg		16:13:42.7	-4.2		243.0	252.9		
	e	Sg		16:14:14.9	-0.3					
FUR	e	Sg	E	16:14:20.0	0.6	T	257.7	163.5	ML	3.4
BRG	e	Pg	Z	16:13:49.4	-0.9		263.1	76.8	ML	3.1
	i	Sg		16:14:17.9	-3.0					
BFO	e	Pn	Z	16:13:42.4	-2.0	T	269.5	212.5	ML	3.0
	e	Pg	Z	16:13:50.2	-1.2	T				
	e	Sg	N	16:14:22.6	-0.1	T				
GUT	i	Pn	+	16:13:42.6	-2.0		271.6	198.7	ML	2.9
	e	Sg		16:14:22.6	-0.8					
SPAK	i	Pg	+	16:13:52.2	-0.4		276.8	203.8		
GSH	e	Pn	Z	16:13:46.2	0.6	T	279.0	279.5		
	e	Sg	N	16:14:25.4	-0.1	T				
GEC2	e	Pn	Z	16:13:50.0	1.9		299.8	123.6		
UBR	e	Pn		16:13:47.3	-1.0		301.5	182.6	ML	3.3
	e	Sg		16:14:30.0	-1.8					
LIBD	e	Pg		16:13:59.0	-0.3		316.2	219.1		

KIZ	e	Pn -	16:13:48.4	-2.3				320.8	213.4	ML	3.1					
	e	Pg	16:13:58.2	-1.8												
	e	Sn	16:14:22.0	-1.1												
	e	Sg	16:14:35.9	-1.4												
FELD	e	Pn	16:13:48.9	-2.3				325.2	211.6							
BBS	e	Pg	16:14:09.1	-1.5				383.5	213.0							

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/10	22:06:03.9	+ - 0.85	49.350N	6.870E	12.2	5.6	70	1G		5	3	211	2.0ML	TNS	BGR	I
1997/11/10	22:06:04.2	+ - 0.10	49.390N	6.980E	3.0	1.0	95	1G		6	5	195	2.2ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	i Pg +	22:06:10.5	0.4	T		35.1	9.3	
ABH	i Pg +	22:06:16.0	0.2	T		68.3	36.6	
	i Sg	22:06:25.4	1.7					
TNS	e Pg Z	22:06:28.7	0.8			140.2	48.1	ML 2.0
	e Sg E	22:06:46.9	2.7					
BFO	e Pg Z	22:06:30.3	0.1			153.7	139.5	
	e Sg N	22:06:48.5	0.4					
GSH	e Sg N	22:06:49.3	0.6			155.8	344.2	
KIZ	i Pg	22:06:33.0	-0.6	T		173.7	156.3	ML 2.2
	i Sg	22:06:53.1	-0.7					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/11	07:33:17.4		47.862N	7.275E				5G			4		2.2ML	LDG	NEIC	
1997/11/11	07:33:18.0	+ - 0.90	47.810N	7.290E	9.0	4.0	23	1G		11	5	198	1.6ML		LEDBW	B?

NW of Mulhouse/F, Vosges Mountains

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KIZ	i Pg +	07:33:26.3	-0.1	T		49.6	70.6	ML 1.5
	e PmP	07:33:30.6	-0.4	T				
	i Sg	07:33:32.8	0.7	T				
BFO	e Pg Z	07:33:34.3	-0.1		2.6	96.5	52.8	
	e Sg E	07:33:46.5	0.9					
GUT	e Pg	07:33:41.5	-0.1	T		139.0	77.3	ML 1.8
	i Sg	07:33:58.4	0.7	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/11	10:07:40.6		49.570N	6.103E				5G			5		2.4ML	LDG	NEIC	
A single network solution																
1997/11/11	10:07:42.3	+ - 1.69	49.470N	6.090E	20.0	6.7	68	0G		4	3	241	<2.0ML		BGR	B?

S of Luxembourg/LUX, French-Luxembourg border region

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GSH	e Sg	N	10:08:23.0	0.1	T		142.4	8.2	
TNS	e Pg	Z	10:08:14.5	0.3	T	1.7	188.6	62.8	
	e Sg	E	10:08:36.3	0.1	T				
BFO	e Sg	Z	10:08:41.3	-0.1	T		207.0	126.9	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/12		15:01:04.4		48.015N	5.908E				10G			8				NEIC	
1997/11/12		15:01:02.0	+/- 0.39	48.120N	5.685E	12.7	3.5	160	2	+/- 0.0	10			2.6ML	LDG		L

Martigny-les-Bains, W Vosges/F

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e (Sg)	N	15:01:57.9	-0.4			197.3	82.2	
GSH	e (Sg)	N	15:02:25.4	-0.9			295.2	9.5	
TNS	e (Sg)	N	15:02:37.7	7.7			308.1	39.6	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/13		04:53:24.6		48.156N	7.666E				10G			8		2.2ML	LDG	NEIC	
1997/11/13		04:53:24.7	+/- 0.20	48.170N	7.670E	7.0	2.0	29	11	+/- 1.0	21	12	96	1.7ML		LEDBW	L

Emmendingen/Upper Rhine Graben, N of Freiburg

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
LIBD	i Pg -		04:53:27.4	0.6	T		5.4	246.5	
	i PmP		04:53:30.5	-2.5	T				
	i Sg		04:53:28.6	0.4	T				
KIZ	i Pg +		04:53:30.1	0.0	T		30.1	142.1	ML 1.8
	e Sg		04:53:34.0	0.1	T				
HEX	i Pg -		04:53:31.7	0.1	T		39.3	114.8	
	i PmP		04:53:32.4	-2.9	T				
	e Sg		04:53:36.5	0.1	T				
FELD	i Pg +		04:53:32.1	0.2	T		41.0	142.6	
	i Sg		04:53:37.2	0.3	T				
BBS	e Pg		04:53:38.5	0.2	T		79.4	188.8	
SPAK	e Pg -		04:53:39.4	0.5	T		83.2	94.8	
LBG	e Sg		04:53:54.1	0.8	T		99.5	56.1	ML 1.9
GUT	e Pg		04:53:43.3	0.2	T		107.8	95.3	ML 1.6
	i Sg		04:53:56.3	0.6	T				
BEU	i Sg		04:54:04.5	0.6			136.9	69.7	ML 1.8
RUP	e Sg		04:54:14.6	-0.5			176.0	345.6	
ABH	e Sg		04:54:19.2	-0.0			190.5	357.4	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/13	14:37:35.7		49.933N	7.612E				5G			8		2.1ML	DBN	NEIC	
ML= 2.3(STR)																
1997/11/13	14:37:36.5	+- 0.45	49.960N	7.680E	11.1	5.6	58	0G		5	3	148	2.1ML	GSH	BGR	B

Bad Kreuznach

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg Z	14:37:47.3	0.2	T		62.0	61.6	
GSH	e Pg Z	14:37:57.1	-0.8	T		126.5	313.6	ML 2.1
	e Sg N	14:38:13.3	0.6	T				
BFO	e Pg Z	14:38:08.0	-0.3	T		187.3	165.1	
	e Sg N	14:38:30.5	0.4	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/14	15:04:17.4		47.933N	7.793E				5G			10		1.6ML	STR	NEIC	
1997/11/14	15:04:16.9		47.987N	7.788E	2.8	2.8	0	10	+-14.1	8	5		2.0ML		SED	
1997/11/14	15:04:17.5	+- 0.09	47.942N	7.826E	0.7	0.7	40	9	+- 1.1	25	16	75	1.8ML		LEDBW	L

Freiburg i. Breisgau/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FBB	i Pg +	15:04:19.7	0.3	T		6.9	16.9	
	e Sg	15:04:21.3	0.6	T				
KIZ	i Pg +	15:04:19.5	0.1	T		7.0	77.0	ML 1.9
	i Sg	15:04:21.0	0.3	T				
FELD	i Px	15:04:21.5				15.1	118.8	
	i Pg +	15:04:20.7	0.2	T				
	e Sg	15:04:22.8	0.3	T				
HEX	e Pg +	15:04:22.1	-0.0	T		25.6	69.9	
	e Sg	15:04:25.2	-0.0	T				
END	i Pg +	15:04:22.2	0.1	T		26.1	194.7	
	i Sg	15:04:25.5	0.2	T				
LIBD	e Pg	15:04:23.1	0.5	T		28.5	324.5	
	i Sg	15:04:26.5	0.5					
BBS	i Pg +	15:04:27.7	0.2	T		58.2	204.2	
SPAK	e Sg	15:04:38.4	-0.3			73.6	75.6	
GUT	e Pg -	15:04:34.3	0.3	T		97.0	81.0	ML 1.8
	e Sg	15:04:46.5	1.2					
LBG	e Sg	15:04:48.3	-0.1	T		107.6	41.4	ML 1.7
BEU	e Pg	15:04:41.0	0.1	T		137.6	58.2	ML 2.0
	e Sg	15:04:57.2	0.3	T				
UBR	e Pg +	15:04:47.4	0.6	T		172.9	98.8	ML 1.8
	e Sg	15:05:08.1	1.1	T				
HDH	e Sg	15:05:11.3	-0.6			190.1	67.1	ML 2.0

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/15	08:11:55.6		49.697N	8.361E				10G			12		2.0ML	STR	NEIC	
1997/11/15	08:11:56.0	+ - 0.48	49.630N	8.470E	6.7	4.4	102	0G		6	4	174	1.7ML	BFO	BGR	B?
1997/11/15	08:11:55.4	+ - 0.40	49.640N	8.400E	2.0	1.0	327	13	+ - 9.0	16	10	163	1.8ML		LEDBW	L

Worms

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TOD	i Pg +	08:12:01.0	0.2	T		29.3	97.3	
	e Sg	08:12:05.1	0.5	T				
KTD	i Pg -	08:12:03.2	0.3	T		42.3	212.8	
	i Sg	08:12:08.9	0.9	T				
TNS	e Pg Z	08:12:06.7	0.0		5.8	64.9	3.0	ML 1.9
	e Sg N	08:12:15.2	0.9		19.4			
ABH	i Pg -	08:12:07.2	0.2	T		66.9	294.0	
	e Sg	08:12:14.8	-0.1					
RUP	e Pg +	08:12:11.9	-0.0	T		96.7	274.6	
	e Sg	08:12:23.0	-0.3					
HOL	e Pg	08:12:14.1	0.6	T		106.2	105.8	ML 2.1
	e Sg	08:12:26.4	0.4	T				
LBG	e Sg	08:12:28.8	1.1			112.3	165.0	ML 1.7
BEU	e Sg	08:12:36.5	1.3			138.7	147.4	ML 1.8
BFO	e Pg N	08:12:20.6	0.4		6.7	145.7	182.0	ML 1.7
	e Sg E	08:12:37.4	0.2		6.5			
HDH	i Sg	08:12:45.7	-0.2			176.3	131.1	ML 1.8
GUT	e Sg	08:12:47.3	-0.3	T		182.2	163.0	ML 1.8
KIZ	e Pg	08:12:28.5	0.7			190.5	190.9	ML 2.1
	i Sg	08:12:49.8	-0.2	T				
FELD	i Pg +	08:12:29.3	0.3	T		198.2	188.6	
	e Sg	08:12:52.0	-0.2	T				
GRFO	e Sg E	08:12:53.1	-0.4		2.2	203.0	87.3	
BBS	e Pg	08:12:38.0	0.0			250.6	195.5	
MOX	e Sg N	08:13:07.7	-0.6		3.6	254.9	62.8	ML 2.0

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/16	16:54:20.8		50.288N	7.231E				10G			6		1.9ML	STR	NEIC	
	Less reliable solution															
1997/11/16	16:54:16.6	+ - 1.08	50.433N	7.495E	18.0	10.4	37	2	+ - 0.0	8			2.5ML		LDG	L
1997/11/16	16:54:19.1	+ - 0.40	50.350N	7.400E	4.4	3.3	34	0G		9	6	138	1.7ML	GSH	BGR	L?

Koblenz/Middle Rhine Area

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg Z	16:54:33.0	1.0	T	2.9	75.7	100.4	ML 1.6
	e Sg N	16:54:40.6	-0.1	T				
GSH	e Pg Z	16:54:33.9	0.5	T	1.4	84.1	301.2	ML 1.7
	e Sg N	16:54:42.4	-0.7	T				

BUG	e Pg Z	16:54:39.6	-0.2	T	3.0	121.6	355.7	ML 1.9
	e Sg E	16:54:54.3	0.5	T				
BFO	e Sg E	16:55:26.1	-0.0	T		234.5	163.0	
CLZ	e Sg N	16:55:35.0	-0.1	T		265.7	50.2	
MOX	e Sg E	16:55:44.9	0.1	T		299.9	82.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/17	04:32:29.3	+ - 0.69	49.350N	6.880E	10.0	4.4	65	1G		6	3	210	1.8ML	BFO	BGR	I
1997/11/17	04:32:29.6	+ - 1.30	49.380N	6.990E	22.0	5.0	94	1G		13	9	191	2.1ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg	04:32:35.8	0.1	T		36.1	7.9	
ABH	e Pg +	04:32:41.5	0.3	T		68.7	35.5	
	e Sg	04:32:50.6	1.4	T				
TNS	e Pg Z	04:32:54.1	0.7		2.7	140.4	47.6	ML 2.1
	e Sg N	04:33:12.3	2.6		2.8			
BFO	e Pg Z	04:32:55.8	0.3		3.0	152.4	139.5	ML 1.8
	e Sg N	04:33:13.7	0.6		4.7			
LBG	e Sg	04:33:14.8	1.3	T		153.8	120.5	ML 1.9
GSH	e Pg Z	04:32:56.3	0.1		1.2	157.1	344.1	
	e Sg Z	04:33:14.7	0.2		1.5			
KIZ	i Sg	04:33:18.6	-0.2	T		172.4	156.4	ML 2.3
FELD	e Pg	04:33:00.4	-0.2	T		183.0	155.6	
	e Sg	04:33:21.6	-0.3	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/17	17:09:21.5		47.611N	7.531E				33N			59		3.4ML	STR	NEIC	
	ML= 3.6(VIE), ML= 3.2(DBN)															
1997/11/17	17:09:22.7	+ - 0.26	47.629N	7.554E	4.1	2.0	68	14	+ - 1.4	75			3.6ML		LDG	L
1997/11/17	17:09:24.9	+ - 0.71	47.730N	7.680E	8.9	6.7	16	39	+ - 3.4	21	9	266	3.5ML		SZGRF	L
1997/11/17	17:09:22.7	+ - 0.46	47.690N	7.640E	4.4	3.3	64	10G		22	11	194	3.5ML	GRFO	BGR	L
1997/11/17	17:09:22.6		47.646N	7.626E	2.1	2.1	0	18	+ - 3.3	10	9		2.9ML		SED	
1997/11/17	17:09:22.6	+ - 0.04	47.643N	7.621E	0.5	0.3	93	17	+ - 0.6	30	20	60	3.5ML		LEDBW	L

Intensity = IV (MSK) Max. intensity,

Felt at Weil am Rhein, Loerrach (IV); also felt at Rheinfelden, Muellheim, Badenweiler

Radius of perceptibility = 40 km

Sierentz/F, NW of Loerrach/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
END	i Pg -	17:09:26.2	0.1	T		11.8	47.4	
	e Sg	17:09:28.9	0.3	T				
BBS	i Pg +	17:09:27.4	0.1	T		21.6	203.0	
	e Sg	17:09:30.0	-0.5	T				

FELD	i	Pg	+	17:09:30.0	0.2	T	38.6	47.7	
	e	Sg		17:09:35.0	0.4				
KIZ	i	Pg	+	17:09:30.2	-0.0	T	41.3	32.4	ML 3.5
	i	Sg		17:09:35.4	0.0	T			
FBB	i	Pg	+	17:09:30.7	0.1	T	43.5	23.4	
	e	Sg		17:09:36.4	0.4	T			
LIBD	i	Pg	+	17:09:33.0	0.4	T	56.4	358.6	
	e	Sg		17:09:40.1	0.7	T			
HEX	i	Pg	+	17:09:32.7	-0.2	T	57.6	43.0	
	e	Sg		17:09:40.0	0.2	T			
BFO	e	Pg	Z	17:09:37.1	-1.6		185.8	92.8	34.4 ML 3.4
	e	Sg	E	17:09:48.2	-1.4		0.6		
SPAK	i	Pn	+	17:09:38.4	-1.5		100.8	59.1	
	i	Pg	+	17:09:39.4	-0.5				
ENG	e	Pn	+	17:09:40.3	-1.9		119.3	50.9	
	e	Sn		17:09:54.2	-1.9				
	e	Sg		17:09:56.9	-0.2				
GUT	i	Pn	+	17:09:40.8	-1.6		121.2	66.3	ML 3.2
	e	Pg		17:09:42.5	-0.9				
	e	Sn		17:09:55.1	-1.4				
	e	Sg		17:09:57.0	-0.6				
BHB	i	Pn	+	17:09:41.0	-1.7		123.0	56.4	
	e	Sg		17:09:57.8	-0.3				
HSN	e	Pg		17:09:45.2	-1.1		138.2	57.3	
	e	Sg		17:10:01.7	-0.7				
LBG	e	Pn	+	17:09:43.1	-2.0		143.0	37.0	ML 3.5
	e	Pg		17:09:48.8	1.8				
	e	PmP		17:09:47.3	-0.7				
	i	Sg		17:10:02.8	-1.0				
BEU	i	Pn	+	17:09:46.3	-2.0		169.4	51.2	ML 3.5
	e	Sn		17:10:05.0	-1.7				
	e	Sg		17:10:10.3	-0.9				
UBR	i	Pn	+	17:09:50.0	-0.3		186.3	87.8	ML 3.5
	e	Pg		17:09:54.6	0.2				
	i	Sn		17:10:10.9	0.6				
	e	Sg		17:10:16.0	-0.0				
KTD	e	Pn		17:09:48.5	-2.3		189.6	10.2	
HDH	e	Pn		17:09:52.4	-1.9		218.6	60.4	ML 3.6
	e	Pg		17:09:59.8	-0.0				
	e	Sn		17:10:16.2	-0.9				
	e	Sg		17:10:23.4	-1.9				
RUP	e	Pn		17:09:57.2	1.1		232.6	350.0	
ABH	e	Pn		17:09:57.9	-0.1		249.0	358.8	
HOL	e	Pg		17:10:05.1	-0.1		250.9	39.2	ML 3.5
	e	Sg		17:10:34.8	0.3				
OGA	e	Pn		17:10:03.4	2.7		271.0	107.3	
FUR	e	Pg	Z	17:10:10.8	0.9		3.5	278.4	76.7 ML 3.7
	e	Sg	N	17:10:42.8	0.4		4.8		

TNS	e	Pn	Z	17:10:02.9	-0.6	2.3	293.1	11.6	ML	3.1
	e	Sn	N	17:10:34.0	1.1	2.5				
	e	Sg	E	17:10:46.8	0.3					
SCE	i	Pn	-	17:10:08.0	1.9		315.3	100.8		
GRC1	e	Pg	Z	17:10:17.3	-0.6		325.2	61.0	ML	3.4
	e	Sg	E	17:10:55.4	-0.3					
GRFO	e	Pg	Z	17:10:21.4	-0.4	11.1	348.8	47.9	ML	3.5
	e	Sn	E	17:10:44.6	-0.0	1.2				
	e	Sg	E	17:11:00.6	-1.8	3.9				
GRA1	e	Pg	Z	17:10:21.5	-0.3		349.0	47.9	ML	3.6
	e	Sg	N	17:11:01.6	-0.9					
GRB1	e	Pg	Z	17:10:22.9	0.1		354.8	55.3		
	e	Sg	E	17:11:03.8	-0.3					
GSH	e	Pn	Z	17:10:11.2	0.2	2.2	355.7	345.7	ML	3.1
	e	Sn	E	17:10:46.8	0.7	2.4				
	e	Sg	E	17:11:02.6	-1.8	1.1				
WET	e	Pn	Z	17:10:18.3	-0.9		422.4	64.8	ML	3.6
	e	Pg	Z	17:10:33.5	-0.8					
	e	Sn	E	17:11:01.0	0.8	2.5				
	e	Sg	N	17:11:22.4	-1.0	4.0				
HOF	e	Pg		17:10:35.0	-0.5		429.6	44.7		
MOX	e	Pn	Z	17:10:22.8	1.2		442.4	39.5	ML	3.6
	i	Pg		17:10:36.7	-1.0					
	e	Sn	E	17:11:04.9	0.5	2.3				
	e	Sg	E	17:11:28.3	-0.8	3.1				
CLL	e	Pg	Z	17:10:57.4	-0.7	3.7	562.9	41.6	ML	3.8
	e	Sg	E	17:12:01.5	-2.0	3.2				
BRG	e	Pg		17:11:02.2	0.8		582.3	49.6	ML	3.6
	e	Sg	N	17:12:07.2	-1.9	4.8				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/18		03:57:12.0		47.306N	9.172E				10G			17		2.4ML	STR	NEIC	
1997/11/18		03:57:10.3	+- 1.52	47.150N	9.140E	18.9	6.7	10	5G		6	3	281	1.9ML	BFO	BGR	L
1997/11/18		03:57:12.3	+- 0.90	47.180N	9.140E	9.0	5.0	319	10G		12	8	260	2.2ML		LEDBW	L
1997/11/18		03:57:09.6		47.122N	9.217E	2.1	2.1	0	1	+- 6.6	14	10		1.8ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pg	03:57:26.4	1.3			91.4	227.5	ML 2.2
	e PmP	03:57:28.2	0.1					
	e Sg	03:57:39.5	3.7					
	i SmS	03:57:42.2	1.5					
GUT	i Pg -	03:57:29.1	1.6			105.8	175.8	ML 1.8
FELD	Pn	03:57:31.5	-0.2			123.8	132.2	

KIZ	e	Pn	+	03:57:32.8	-0.2				134.6	133.1		ML	2.4
	e	Pg		03:57:33.5	1.1								
	i	Sg		03:57:49.5	1.4								
BFO	e	Pg	Z	03:57:35.2	0.2		3.2	149.8	153.4			ML	1.9
	e	Sg	E	03:57:51.7	-0.7								
BEU	i	Sg		03:57:57.7	1.4			163.2	185.3			ML	2.2
LBG	i	Sg		03:58:00.1	0.7			174.3	169.4			ML	2.2
HDH	e	Sg		03:58:01.9	1.3			178.6	204.8			ML	2.1
FUR	e	Sg	E	03:58:07.4	2.7			192.8	233.9			ML	2.5
HOL	e	Sg		03:58:23.1	1.0			253.9	190.2				
WET	e	Pn	Z	03:57:59.6	0.1		1.9	352.6	231.8				
	e	Sn	N	03:58:36.2	0.7								
	e	Sg	N	03:58:51.2	0.8								

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/18	12:23:47.2		47.176N	9.106E				5G			41		3.0ML	STR	NEIC	
	ML= 3.2(VIE)															
1997/11/18	12:23:49.6	+- 0.30	47.122N	9.063E	5.1	3.4	85	2	+- 0.0	42			3.1ML		LDG	L
1997/11/18	12:23:47.5	+- 0.99	47.100N	9.150E	10.0	4.4	12	5G		10	7	275	3.2ML	FUR	BGR	L
1997/11/18	12:23:48.9	+- 0.89	47.090N	9.120E	13.3	7.8	11	35	+- 4.4	15	7	284	3.1ML		SZGRF	L
1997/11/18	12:23:49.0	+- 1.10	47.150N	9.100E	11.0	5.0	347	10G		28	21	226	3.0ML		LEDBW	L
1997/11/18	12:23:47.1		47.120N	9.227E	1.6	1.6	0	2	+- 117	19	14		2.9ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pn -	12:24:03.8	-1.3			91.0	227.1	ML 3.0
	i Sg	12:24:19.5	6.4					
GUT	e Pg +	12:24:06.6	1.5			106.0	175.4	ML 2.7
SPAK	e Pn	12:24:06.7	-1.3			114.1	163.0	
FELD	e Pn	12:24:08.0	-1.2			124.5	132.0	
BHB	e Sg	12:24:24.5	1.3			126.4	172.3	
HEX	e Pn +	12:24:08.8	-0.9			128.7	140.7	
END	e Pg	12:24:09.5	0.4			130.1	120.0	
BBS	e Pn	12:24:10.0	-0.5			135.1	105.8	
KIZ	e Pn	12:24:09.6	-0.9			135.3	132.9	ML 3.3
	e Pg	12:24:10.2	0.2					
	i Sg	12:24:27.1	1.3					
BFO	e Pg Z	12:24:12.5	-0.1			150.4	153.2	ML 2.7
	e Sg N	12:24:30.8	0.8					
BEU	e Pg	12:24:15.0	0.2			163.4	185.0	ML 3.1
	i Sg	12:24:35.1	1.4					
LIBD	e Pg -	12:24:16.5	1.0			167.1	132.7	
LBG	e Pn -	12:24:14.6	-0.7			174.7	169.2	ML 3.0
	e Pg	12:24:16.1	-0.6					
	i Sg	12:24:37.6	0.6					

HDH	e	Pg		12:24:17.5	0.2				178.5	204.6	ML	2.8
	i	Sg		12:24:39.1	1.0							
FUR	e	Pg	Z	12:24:24.8	5.1				192.3	233.7	ML	3.3
	e	Sg	E	12:24:44.6	2.5							
HOL	e	Pg		12:24:30.3	0.2				254.0	190.0	ML	2.7
	e	Sg		12:25:00.1	0.4							
GRC1	e	Pg	Z	12:24:34.0	1.3				269.4	220.1	ML	3.2
	e	Sg	N	12:25:08.5	4.4							
BHG	i	Pg	-	12:24:39.1	4.1				282.7	257.7		
GRFO	e	Sg	E	12:25:21.1	2.1	2.5			321.5	208.0	ML	3.2
GRA1	e	Pg	Z	12:24:43.1	1.5				321.6	208.0	ML	3.3
	e	Sg	E	12:25:23.3	4.3							
RUP	e	Pn		12:24:34.8	0.7				328.6	150.1		
ABH	e	Pn		12:24:34.3	-0.0				331.0	157.4		
TNS	e	Pn	Z	12:24:36.0	-0.6				349.7	170.3	ML	3.1
	e	Sn	N	12:25:13.7	1.4							
	e	Sg	E	12:25:29.4	2.4							
WET	e	Pn	Z	12:24:36.9	-0.0				352.2	231.7	ML	3.2
	e	Sn	N	12:25:14.0	1.3							
	e	Sg	E	12:25:30.2	2.5							
GEC2	e	Sn	N	12:25:21.5	1.9	2.3			384.2	241.7		
MOX	e	Sg	E	12:25:55.0	5.4				429.0	204.9	ML	3.1
GSH	e	Pn	Z	12:24:50.4	1.2	1.5			452.8	151.5		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/18	17:50:18.8	+-	0.64	49.350N	6.820E	10.0	4.4	68	1G		7	3	213	2.0ML	BFO	BGR	I
1997/11/18	17:50:19.4	+-	0.50	49.380N	6.940E	9.0	3.0	85	1G		14	9	198	2.2ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg -	17:50:25.9	0.3	T		36.8	13.5	
ABH	e Pg +	17:50:31.6	0.1	T		70.9	37.9	
TNS	e Pg Z	17:50:44.2	0.5		3.5	143.1	48.5	ML 2.1
	e Sg N	17:51:02.5	2.2		2.8			
BFO	e Pn N	17:50:45.7	0.5		3.7	154.8	138.4	ML 2.0
	e Sn E	17:51:03.5	0.0		0.7			
	e Sg N	17:51:04.3	0.7		6.6			
GSH	e Pg Z	17:50:45.0	-0.8		1.6	156.1	345.3	ML 2.1
	e Sg E	17:51:03.9	-0.1		1.4			
LBG	e Pg +	17:50:46.2	0.2	T		156.9	119.8	ML 2.1
	e Sg	17:51:03.9	-0.3	T				
KIZ	e Pg	17:50:48.2	-0.6	T		173.8	155.2	ML 2.2
	i Sg	17:51:08.7	-0.4	T				
FELD	e Pg	17:50:50.7	-0.0	T		184.6	154.5	
	e Sg	17:51:11.6	-0.5	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/19	06:19:54.3	+- 1.06	49.150N	6.680E	14.5	4.4	68	1G		6	4	226	2.1ML	BFO	BGR	I
1997/11/19	06:19:57.1	+- 0.80	49.160N	6.850E	16.0	4.0	87	1G		18	11	193	2.3ML		LEDBW	I

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	i Pg -	06:20:07.9	0.2	T		62.1	14.0	
	i Sg	06:20:15.8	1.0	T				
ABH	e Pg	06:20:13.1	-0.0	T		94.7	31.8	
	e Sg	06:20:24.8	0.7	T				
LIBD	i Pg	06:20:18.7	0.4			125.1	153.5	
BFO	e Pg Z	06:20:20.8	-0.4		7.2	142.4	129.8	ML 2.1
	e Sg N	06:20:36.7	-1.1					
LBG	e Sg	06:20:41.4	0.7	T		152.4	110.5	ML 2.3
KIZ	i Pn	06:20:22.9	-0.1	T		155.2	149.2	ML 2.3
	i Pg	06:20:24.5	1.1	T				
	e Sg	06:20:41.0	-0.5	T				
TNS	e Pg Z	06:20:24.1	-1.0		3.6	164.8	43.6	ML 2.3
	e Sg N	06:20:44.4	0.2					
FELD	i Pg +	06:20:24.8	-0.5	T		166.1	148.8	
	i Sg	06:20:44.1	-0.4	T				
GSH	e Sg E	06:20:44.8	-3.3			178.6	349.3	ML 2.1
BEU	e Sg	06:20:53.8	0.0	T		198.2	107.9	ML 2.4
GUT	e Pg	06:20:33.3	1.3			205.9	125.2	ML 2.2
	e Sg	06:20:57.8	1.8					
HOL	e Sg	06:20:58.6	-0.2	T		216.1	82.6	ML 2.4
BUG	e Sg N	06:21:08.2	-1.9			255.3	6.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/22	04:56:10.6		47.207N	9.155E				10G			105		4.1ML	STR	NEIC	
													ML= 4.2(VIE)			
1997/11/22	04:56:13.2	+- 0.19	47.139N	9.062E	3.4	2.2	72	2	+- 0.0	84			4.0ML		LDG	L
1997/11/22	04:56:12.7	+- 0.73	47.160N	9.180E	11.1	6.7	7	31	+- 4.6	21	9	280	4.0ML		SZGRF	L
1997/11/22	04:56:10.7	+- 0.55	47.080N	9.220E	8.9	4.4	15	5G		33	11	282	4.0ML	GRFO	BGR	L
1997/11/22	04:56:10.7	+- 0.30	47.110N	9.230E	4.0	2.0	318	5G		52	38	164	3.9ML		LEDBW	L
1997/11/22	04:56:10.6		47.120N	9.222E	1.3	1.3	0	2	+- 99	19	15		3.3ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pg +	04:56:27.1	1.1			91.3	227.2	ML 3.9
	e PmP	04:56:29.3	0.4					
	e Sg	04:56:39.8	3.1					
	i SmS	04:56:43.3	1.7					
HTN	e Pn	04:56:28.3	-1.6			101.8	186.7	

GUT	e	Pn	+	04:56:28.6	-1.8		106.0	175.6	ML	3.6
SPAK	e	Pn		04:56:30.1	-1.2		114.0	163.2		
FELD	i	Pn	-	04:56:31.5	-1.1		124.3	132.1		
BHB	e	Pn	+	04:56:32.3	-0.6		126.4	172.5		
HEX	e	Pn	-	04:56:32.1	-1.0		128.5	140.8		
END	e	Pn	+	04:56:32.5	-0.8		129.8	120.1		
	e	Sn		04:56:48.1	-1.1					
HSN	e	Pn	+	04:56:33.0	-0.6		131.7	179.1		
	e	Sn		04:56:49.3	-0.4					
BBS	e	Pn	+	04:56:33.6	-0.3		134.7	105.9		
KIZ	e	Pn	+	04:56:33.2	-0.8		135.0	133.0	ML	4.1
	i	Pg	+	04:56:33.8	0.3					
	i	Sg		04:56:50.8	1.6					
ENG	e	Pn	+	04:56:33.3	-0.7		135.1	168.7		
JUN	e	Pn	+	04:56:33.3	-0.7		135.3	174.2		
FBB	e	Pg		04:56:34.9	0.2		142.0	133.2		
MSG	e	Pn	+	04:56:34.2	-0.7		142.9	174.3		
BFO	e	Pg	Z	04:56:36.4	0.3		150.2	153.3	ML	3.5
	e	Sg	E	04:56:53.7	0.2					
BEU	e	Pn	+	04:56:36.5	-0.9		163.4	185.1	ML	3.9
	i	Sg		04:56:58.8	1.5					
LIBD	e	Pn		04:56:37.6	-0.2		166.9	132.8		
LBG	e	Pn	+	04:56:38.0	-0.7		174.6	169.3	ML	3.9
	e	Pg		04:56:40.4	0.2					
	i	Sg		04:57:01.2	0.7					
HDH	i	Pn	+	04:56:38.2	-1.1		178.6	204.7	ML	3.8
	e	Sg		04:57:02.7	1.1					
SCE	i	Pn	+	04:56:42.8	2.3		188.6	273.7		
FUR	e	Pn	Z	04:56:41.7	0.7	13.3	192.6	233.7	ML	4.1
	e	Pg	Z	04:56:44.0	0.7					
	e	Sg	N	04:57:08.0	2.4					
HOL	e	Pn	+	04:56:46.8	-1.7		254.1	190.1	ML	3.6
	e	Pg		04:56:53.5	-0.1					
HEI	e	Pn	-	04:56:48.1	-0.6		256.0	171.6		
	e	Sn		04:57:16.6	0.7					
	e	Sg		04:57:25.2	1.4					
KTD	e	Pn	+	04:56:48.8	-0.3		258.8	160.6		
TOD	e	Pn	+	04:56:50.6	-0.8		278.1	173.5		
BHG	i	Pn	-	04:56:54.3	2.3		283.1	257.7		
GRFO	e	Pn	Z	04:56:54.7	-2.0	5.1	321.6	208.0	ML	4.0
	e	Pg	Z	04:57:05.2	0.1					
	e	Sg	N	04:57:44.1	1.6					
GRA1	e	Pn	Z	04:56:55.3	-1.4		321.8	208.1	ML	4.1
	e	Pg	Z	04:57:05.5	0.3					
	e	Sg	E	04:57:44.9	2.3					
RUP	e	Pn	+	04:56:58.0	0.4		328.4	150.1		
ABH	i	Pn	+	04:56:58.2	0.3		330.9	157.5		
TNS	e	Pn	Z	04:56:59.7	-0.5	18.8	349.6	170.3	ML	3.9
	e	Pg	Z	04:57:10.4	0.6					
	e	Sn	E	04:57:35.6	-0.2					
	e	Sg	E	04:57:50.6	0.1					

WET	e	Pn	Z	04:57:00.6	0.1	156.5	352.4	231.7	ML	4.1
	e	Pg	Z	04:57:11.0	0.6					
	e	Sn	E	04:57:38.3	2.0					
	e	Sg	E	04:57:51.3	-0.0					
MOX	i	Pn		04:57:08.0	-1.8		429.2	205.0		
	i	Pg		04:57:22.0	-1.3					
	i	Sg		04:58:13.0	-0.2					
GSH	e	Pn	Z	04:57:13.7	1.0	16.4	452.6	151.6	ML	4.0
	e	Sn	E	04:57:58.9	1.3					
	e	Sg	E	04:58:23.7	3.8					
BUG	e	Pn	Z	04:57:19.5	0.9	6.5	500.8	162.8	ML	4.0
	e	Sn	N	04:58:09.6	1.9					
	e	Sg	N	04:58:33.5	-0.2					
CLZ	e	Pg	Z	04:57:42.9	2.3		531.5	189.4	ML	4.2
	e	Sn	E	04:58:16.1	1.9					
	e	Sg	E	04:58:43.1	0.6					
CLL	e	Pn	Z	04:57:20.5	-2.9		540.4	212.0	ML	4.2
	e	Pg	Z	04:57:44.5	2.3					
	e	Sg	E	04:58:45.3	0.3					
BRG	e	Pn	Z	04:57:22.3	-1.2	6.8	540.8	221.3	ML	4.1
	e	Pg	Z	04:57:44.1	1.9					
	e	Sg	Z	04:58:46.6	1.5					
IBBN	e	Sg	E	04:58:59.5	1.4		586.3	169.1	ML	4.2

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/22	05:31:58.2		47.266N	9.267E				10G			15		2.4ML	STR	NEIC	
1997/11/22	05:31:56.9	+ - 1.40	47.170N	9.140E	18.9	6.7	11	5G		7	3	280	1.8ML	BFO	BGR	L
1997/11/22	05:31:57.0	+ - 1.20	47.130N	9.220E	13.0	7.0	13	10G		12	7	266	2.0ML		LEDBW	L
Aftershock of event on Nov 22, 04:56 UTC																
1997/11/22	05:31:55.7		47.115N	9.217E	1.2	1.2	0	2	+ -73.2	14	9		1.8ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pg	05:32:12.2	0.9			92.0	227.2	ML 2.0
	i PmP	05:32:14.2	0.0					
	e Sg	05:32:24.8	2.8					
	e SmS	05:32:28.2	1.4					
GUT	e Pn	05:32:14.1	-1.5			106.5	175.9	ML 1.7
	e Sn	05:32:26.9	-2.6					
KIZ	e Pg	05:32:18.8	0.2			135.1	133.3	ML 2.4
	e Sg	05:32:35.4	1.1					
BFO	e Pg	05:32:21.3	0.1		3.4	150.5	153.5	ML 1.8
	e Sg	05:32:37.8	-0.9					
BEU	i Sg	05:32:43.7	1.1			164.0	185.3	ML 2.0
LBG	i Sg	05:32:46.1	0.4			175.1	169.5	ML 2.1

HDH	e	Sg		05:32:47.8	0.8				179.3	204.7	ML	2.0
FUR	e	Sg	E	05:32:53.6	2.6				193.3	233.7		
WET	e	Pn	Z	05:32:45.7	0.0			2.6	353.1	231.7		
	e	Pg	Z	05:32:57.1	1.6							
	e	Sn	N	05:33:22.8	1.2							
	e	Sg	Z	05:33:36.7	0.2							

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/22	12:11:04.1	+ - 0.31	50.560N	12.220E	4.4	3.3	119	0G		12	7	88	2.1ML	GRFO	BGR	B?

Plauen/S Saxony

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag	
CLL	e	Pg	Z	12:11:20.9	-0.1	T	6.4	99.6	33.1	ML 1.7
	e	Sg	N	12:11:33.9	1.4	T				
GRFO	e	Pg	Z	12:11:24.6	0.2	T	3.1	120.1	216.8	ML 2.1
	e	Sg	N	12:11:40.0	1.6	T				
BRG	e	Pg	Z	12:11:25.1	-0.3	T	11.4	126.2	73.3	ML 1.7
	e	Sg	N	12:11:40.3	0.2	T				
WET	e	Pg	Z	12:11:31.4	-0.5	T	2.2	164.4	163.1	ML 1.9
	e	Sg	E	12:11:51.8	0.8	T				
CLZ	e	Sg	N	12:11:58.1	-0.8	T		192.0	318.6	ML 1.8
GEC2	e	Pn	N	12:11:37.6	-0.2	T		218.4	150.2	
	e	Sg	N	12:12:05.6	-0.9	T				
BFO	e	Sg	E	12:12:50.7	-0.5	T		374.8	230.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/22	23:04:08.5		47.294N	9.233E				5G			16		2.5ML	STR	NEIC	
	ML= 2.2(VIE)															
1997/11/22	23:04:07.8	+ - 1.52	47.180N	9.240E	23.3	7.8	8	5G		6	3	278	1.9ML	BFO	BGR	L
1997/11/22	23:04:07.7	+ - 1.10	47.150N	9.150E	12.0	5.0	348	10G		16	10	236	2.0ML		LEDBW	L
	Aftershock of event on Nov 22, 04:56 UTC															
1997/11/22	23:04:06.0		47.111N	9.216E	1.6	1.6	0	2	+ - 108	16	8		1.8ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e	Pg		23:04:23.7	2.0		92.3	227.0	ML 2.2
	e	Sg		23:04:35.2	2.9				
	i	SmS		23:04:38.8	1.6				
GUT	e	Pg		23:04:25.2	1.1		107.0	175.9	ML 1.7
	e	Sn		23:04:37.4	-2.5				
SPAK	e	Pg		23:04:26.4	0.9		114.8	163.5	
FELD	e	Pg		23:04:27.8	0.6		124.6	132.6	

BBS	i	Pg	+	23:04:29.7	0.9				134.6	106.3							
	e	Sg		23:04:46.6	2.1												
KIZ	i	Pg	+	23:04:29.2	0.3				135.4	133.5		ML	2.2				
	i	Sg		23:04:45.9	1.2												
BFO	e	Pg	Z	23:04:31.7	0.1				2.8	150.9	153.6		ML	1.9			
	e	Sg	N	23:04:49.7	0.6												
BEU	i	Sg		23:04:54.1	1.1				164.4	185.3		ML	2.0				
LBG	e	Sg		23:04:56.7	0.5				175.5	169.5		ML	2.0				
HDH	e	Sg		23:04:58.1	0.7				179.7	204.7		ML	2.0				
FUR	e	Sg	N	23:05:00.6	-0.7					193.6	233.6						
WET	e	Pn	Z	23:04:56.1	0.1				1.8	353.4	231.6						
	e	Sn	N	23:05:33.7	1.8												
	e	Sg	E	23:05:46.7	-0.3												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/23	12:24:40.7		48.067N	6.963E				5G			6		2.1ML	LDG	NEIC	
1997/11/23	12:24:39.8	+- 1.50	48.080N	6.860E	16.0	4.0	104	10G		12	8	260	2.0ML		LEDBW	L

Gerardmer/F, NE of Remiremont, Vosges Mountains

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KIZ	i Pg +	12:24:53.9	0.4	T		79.9	99.5	ML 1.8
	e Sg	12:25:02.3	-0.5					
BBS	e Pg	12:24:54.9	0.8	T		83.9	144.4	
	e Sg	12:25:06.1	2.1					
FELD	i Pg +	12:24:55.3	0.5	T		88.1	104.5	
	e Sg	12:25:05.8	0.6	T				
BFO	e Pg Z	12:24:59.8	0.9		1.4	112.4	75.1	
	e Sg N	12:25:11.9	-0.2					
LBG	e Sg	12:25:24.1	-0.6			156.9	64.8	ML 1.9
GUT	e Sg	12:25:26.6	-1.1	T		167.5	89.5	ML 2.0

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/23	20:27:26.8		47.259N	9.276E				5G			11		2.3ML	STR	NEIC	
	ML= 2.4(VIE)															
1997/11/23	20:27:24.8		47.110N	9.211E	1.3	1.3	0	2	+-87.3	16	10		1.8ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg Z	20:27:50.4	0.0			150.8	153.8	
	e Sg E	20:28:07.0	-0.9		2.1			
FUR	e Sg N	20:28:20.3	0.1			194.0	233.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/25	04:36:07.5	+- 0.66	51.670N	7.770E	10.0	4.4	154	2	+- 7.1	8	4	209	2.0ML		SZGRF	L
1997/11/25	04:36:07.8	+- 0.51	51.590N	7.790E	7.8	3.3	165	1G		10	5	194	2.0ML	TNS	BGR	I
1997/11/25	04:36:05.7		51.673N	7.767E				1G					1.8ML		RUB	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	04:36:14.3	1.3	TA		43.0	233.2	ML 1.8
	e Sg E	04:36:20.3	2.3		16.3			
GSH	e Pg Z	04:36:31.0	1.2		1.9	142.2	223.5	ML 2.6
	e Sg N	04:36:46.4	0.1		11.1			
TNS	e Pg Z	04:36:34.8	0.6		2.3	168.2	163.3	ML 2.0
	e Sg E	04:36:52.9	-0.9		5.6			
CLZ	e Pg Z	04:36:37.8	1.5		4.6	180.3	83.0	ML 2.0
	e Sg N	04:36:59.6	2.4		5.3			
MOX	e Pg Z	04:36:55.7	0.6		2.1	291.7	111.6	ML 2.4
	e Sg N	04:37:31.0	1.9		1.5			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/25	13:06:39.9	+- 0.64	49.370N	6.890E	11.1	4.4	66	0G		7	4	209	2.2ML	TNS	BGR	I?

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg Z	13:07:04.7	-0.0	T	2.2	146.5	49.1	ML 2.2
	e Sg N	13:07:21.5	-0.3	T	3.0			
GSH	e Pg Z	13:07:05.7	-0.7	T	1.3	156.3	346.6	ML 2.2
	e Sg N	13:07:24.9	0.4	T	1.8			
BFO	e Pn Z	13:07:05.7	-0.3	T	3.3	156.4	137.1	ML 2.1
	e Sg N	13:07:24.3	-0.3	T	5.8			
GEC2	e Pn Z	13:07:49.0	1.2	T	3.4	499.1	94.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/29	10:54:37.2		50.218N	8.142E				10G			68		3.8ML	STR	NEIC	
	ML= 3.7(DBN), ML= 3.6(VIE)															
1997/11/29	10:54:36.4		50.438N	8.135E	66.0	66.0	0	10	+-70.9	25	22		3.5ML		SED	
1997/11/29	10:54:39.9	+- 0.26	50.175N	8.194E	4.5	3.0	58	2	+- 0.0	65			3.9ML		LDG	L
1997/11/29	10:54:38.1	+- 0.80	50.290N	8.290E	10.0	3.0	2	5G		27	17	250	3.2ML		LEDBW	L
	Foreshock of event on Nov 29, 20:06, Intensity = IV (MS) Max. intensity, felt at Idstein and Naurod/Wiesbaden															
1997/11/29	10:54:38.4	+- 0.28	50.300N	8.330E	6.7	3.3	32	10G		17	10	153	3.5ML	BUG	BGR	L
1997/11/29	10:54:38.2	+- 0.29	50.270N	8.330E	5.6	3.3	29	10	+- 2.2	18	10	111	3.5ML		SZGRF	L
1997/11/29	10:54:38.2		50.270N	8.290E				3					3.3ML		IGF	

Limburg/Lahn

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	i Pg +	10:54:40.3	-0.1			12.4	115.2	ML 3.2
	e Sg N	10:54:42.3	0.5					
ABH	i Pg +	10:54:50.1	0.3			68.3	231.1	
	e Sg	10:55:00.2	2.4					
TOD	i Pg +	10:54:52.5	0.3			82.5	153.3	
	e PmP	10:54:54.3	-0.9					
	e Sg	10:55:02.2	0.4					
HEI	i Pn -	10:54:55.9	-1.5			101.8	161.9	
	e Sg	10:55:08.9	1.6					
KTD	e Pg +	10:54:56.4	0.1			106.6	188.1	
	e Sg	10:55:11.3	2.6					
RUP	e Pg +	10:54:56.4	-0.2			108.3	234.8	
	e Sg	10:55:11.3	2.1					
GSH	e Pn Z	10:55:02.3	-0.2			144.9	291.7	ML 3.5
	e Pg Z	10:55:03.2	0.5					
	e Sg N	10:55:20.3	0.7					
HOL	e Pn +	10:55:02.5	-0.5			148.0	131.9	ML 3.8
	e Pg +	10:55:03.8	0.5					
	e Sg	10:55:21.4	0.9					
BUG	e Pg Z	10:55:03.0	-0.3			148.6	331.6	ML 3.5
	e Sg E	10:55:21.0	0.3					
LBG	e Pn	10:55:07.4	0.3			182.3	168.3	ML 3.2
BEU	e Pn	10:55:09.6	-0.2			204.4	156.1	ML 3.3
	e Pg	10:55:14.0	1.2					
	e Sg	10:55:37.1	0.5					
BFO	e Pn Z	10:55:10.4	-0.9			215.7	179.2	ML 3.3
	e Sn N	10:55:34.4	-0.4					
GRFO	e Pn N	10:55:13.1	1.5		3.5	219.2	106.0	ML 3.3
	e Sg E	10:55:40.3	-0.5		3.2			
GRA1	e Pn Z	10:55:12.7	1.1			219.3	105.9	ML 3.5
	e Sg N	10:55:40.4	-0.4					
CLZ	e Pn Z	10:55:11.4	-1.2			227.4	39.0	ML 3.6
	e Sn N	10:55:35.7	-1.5					
HDH	e Pn	10:55:13.3	-0.0			233.1	142.8	ML 3.2
	e Pg	10:55:20.6	2.9					
	e Sg	10:55:43.8	-1.0					
MOX	e Pn Z	10:55:14.0	-0.1			239.1	78.7	ML 3.5
	e Sn E	10:55:41.5	1.8					
LIBD	e Pn	10:55:14.5	0.2			240.9	192.2	
SPAK	e Pn	10:55:14.5	-0.1			243.7	171.3	
GUT	e Pn -	10:55:15.4	-0.2			251.8	165.9	ML 3.0
HOF	e Pn	10:55:16.5	0.5			254.9	87.5	
KIZ	e Pn	10:55:15.4	-1.0			258.7	186.1	ML 3.2
GRB1	e Sg E	10:55:52.3	-0.3			260.2	110.8	ML 3.9
FELD	e Pn	10:55:17.2	-0.3			267.0	184.6	
GRC1	e Sg E	10:55:56.9	0.8			272.4	120.1	

ROTZ	e	Pn		10:55:20.5	0.8			285.4	99.8		ML	3.3
UBR	e	Pn -		10:55:24.5	0.9			317.0	154.6		ML	3.4
BBS	e	Pn +		10:55:23.8	0.2			317.1	190.7			
FUR	i	Pg +		10:55:35.4	3.1			319.2	136.1		ML	3.7
	e	Sg	E	10:56:08.7	-0.7		1.4					
CLL	e	Pn	Z	10:55:28.6	0.9			350.7	69.0		ML	3.9
	i	Pg		10:55:37.1	-0.5							
	e	Sg	N	10:56:16.9	-1.5							
WET	e	Pn	Z	10:55:29.8	1.8		37.1	352.8	109.0		ML	3.3
BRG	e	Pn	Z	10:55:35.7	1.5		6.1	404.7	78.3		ML	3.6
	i	Pg		10:55:46.5	-0.3							
	e	Sg	N	10:56:32.7	-1.1		3.3					
GEC2	e	Pn	Z	10:55:37.4	1.1		48.6	421.1	110.0			
	e	Sg	E	10:56:37.5	-1.0		1.7					
OGA	e	Pn		10:55:39.1	1.9			428.4	151.0			
SCE	i	Pn +		10:55:40.0	1.6			438.3	143.7			
BHG	i	Pn -		10:55:41.0	2.6			438.5	128.5			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/29	18:54:49.8		50.407N	7.497E				10G			14		2.3ML	STR	NEIC	
	Less reliable solution															
1997/11/29	18:54:49.3	+ - 0.69	50.237N	7.330E	11.9	4.6	47	2	+ - 0.0	12			2.7ML		LDG	L
1997/11/29	18:54:50.3	+ - 0.54	50.390N	7.480E	8.9	4.4	19	20G		8	5	191	1.9ML	GSH	BGR	L
1997/11/29	18:54:50.3	+ - 0.34	50.340N	7.450E	5.6	4.4	43	10G		13	7	136	2.1ML		SZGRF	L

Koblenz/Middle Rhine Area

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e	Pg	Z	18:55:02.4	-0.2	T	72.1	100.1	ML 2.3
	e	Sg	E	18:55:13.4	2.3	T			
GSH	e	Pg	Z	18:55:04.8	-0.5	T	87.7	300.6	ML 1.9
	e	Sg	E	18:55:15.7	0.1	T			
BUG	e	Pg	Z	18:55:10.2	-1.0	T	123.0	354.2	ML 2.0
	e	Sg	N	18:55:25.3	-0.3	T			
BFO	e	Pg	Z	18:55:29.1	-0.7	T	232.4	163.7	
	e	Sg	E	18:55:54.6	-2.2	T			
CLZ	e	Pg	Z	18:55:33.2	-1.9	T	263.7	49.6	ML 2.4
	e	Sg	E	18:56:04.5	-1.2	T			
GRA1	e	Pg	Z	18:55:37.1	-0.5	T	278.9	103.5	
MOX	e	Pg	Z	18:55:38.9	-1.7	T	296.6	81.8	
	e	Sg	N	18:56:14.2	-1.0	T			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/29	20:06:08.0		50.244N	8.154E				10G			101		4.3ML	CLL	NEIC	
ML= 4.0(DBN, VIE)																
1997/11/29	20:06:13.4		49.972N	8.300E	63.3	63.3	0	10	+- 758	29	29		3.7ML		SED	
1997/11/29	20:06:10.6	+- 0.22	50.223N	8.200E	3.7	2.5	47	2	+- 0.0	87			4.3ML		LDG	L
1997/11/29	20:06:09.2	+- 0.90	50.280N	8.270E	11.0	3.0	359	5G		32	24	243	3.8ML		LEDBW	L
Intensity = V (MSK) Max. intensity, Felt in the area of Wiesbaden, Frankfurt a.M., and Bad Homburg																
1997/11/29	20:06:09.2	+- 0.25	50.290N	8.300E	5.6	3.3	31	10G		22	13	111	3.8ML	BUG	BGR	L
1997/11/29	20:06:09.3	+- 0.28	50.310N	8.350E	6.7	3.3	29	7	+- 2.7	17	9	109	4.0ML		SZGRF	L
1997/11/29	20:06:08.9		50.270N	8.300E				3					4.0ML		IGF	

Limburg/Lahn

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	i Pg +	20:06:11.3	0.3			11.7	116.7	ML 3.8
	e Sg N	20:06:13.3	0.9					
ABH	i Pg +	20:06:21.1	0.5			68.9	231.5	
TOD	i Pg -	20:06:23.4	0.6			82.2	153.8	
	i PmP	20:06:25.3	-0.5					
	e Sg	20:06:33.0	0.6					
HEI	e Pn +	20:06:26.6	-1.4			101.6	162.3	
	e Sg	20:06:39.8	1.8					
KTD	e Pg +	20:06:27.2	0.2			106.7	188.4	
RUP	i Pn +	20:06:27.2	-1.6			108.9	235.0	
	e Sg	20:06:42.0	1.9					
GSH	e Pg Z	20:06:34.1	0.5			145.6	291.6	ML 4.0
	e Sg N	20:06:51.3	0.8					
HOL	i Pn +	20:06:33.4	-0.2			147.5	132.1	ML 4.3
	e Pg	20:06:35.1	1.2					
BUG	e Pg Z	20:06:33.9	-0.2			148.9	331.3	ML 3.8
	e Sg E	20:06:52.0	0.5					
LBG	e Pn	20:06:37.9	0.1			182.1	168.5	ML 3.8
	e Sg	20:06:59.1	-1.8					
BEU	e Pn	20:06:40.5	0.0			204.1	156.3	ML 3.9
	e Sg	20:07:07.9	0.6					
BFO	e Pn Z	20:06:41.3	-0.7			215.7	179.4	ML 3.8
	e Sg N	20:07:10.8	0.2		1.8			
GRFO	e Pn Z	20:06:43.8	1.6		12.6	218.5	106.0	ML 3.9
	e Sg E	20:07:11.2	-0.1		5.8			
GRA1	e Pn Z	20:06:43.7	1.4			218.6	106.0	ML 4.0
	e Sg E	20:07:11.9	0.6					
ENG	e Pn +	20:06:42.7	0.0			221.6	169.0	
CLZ	e Pn Z	20:06:42.1	-1.2			227.0	38.9	ML 4.0
	e Sn N	20:07:06.3	-1.6					
HDH	e Pn	20:06:44.1	0.1			232.7	142.9	ML 3.8
	e Pg	20:06:51.2	2.9					
	e Sn	20:07:09.4	0.3					
	e Sg	20:07:15.0	-0.4					

MOX	e	Pn	Z	20:06:45.2	0.5				238.4	78.7	ML	4.0
	e	Sn	E	20:07:12.4	2.1							
LIBD	e	Pn	-	20:06:44.8	-0.2				241.0	192.4		
SPAK	e	Pn	+	20:06:45.4	0.1				243.6	171.5		
HEX	e	Pn	-	20:06:45.5	-0.7				250.3	182.6		
	e	Sg		20:07:20.6	0.1							
GUT	e	Pn		20:06:46.3	-0.0				251.6	166.1	ML	3.5
	e	Sn		20:07:13.4	0.3							
HOF	i	Pn	+	20:06:47.3	0.7				254.2	87.5		
FBB	e	Sg		20:07:22.9	1.3				254.3	187.5		
KIZ	e	Pn		20:06:46.4	-0.8				258.8	186.3	ML	3.7
	e	Sn		20:07:13.3	-1.2							
FELD	e	Pn	-	20:06:47.8	-0.4				267.0	184.7		
GRC1	e	Pn	Z	20:06:50.3	1.6				271.8	120.2	ML	4.0
	e	Sg	N	20:07:27.9	1.4							
ROTZ	i	Pn	+	20:06:51.4	1.1				284.7	99.8	ML	3.8
END	e	Pn	+	20:06:49.9	-0.8				287.0	188.4		
	e	Pg		20:06:57.8	0.3							
UBR	e	Pn	+	20:06:55.5	1.3				316.7	154.7	ML	3.8
BBS	e	Pn		20:06:54.0	-0.3				317.3	190.8		
FUR	e	Pn	Z	20:06:55.8	1.4	5.4			318.7	136.2	ML	4.1
CLL	e	Pn	Z	20:06:58.4	0.1				350.0	68.9	ML	4.3
	i	Pg		20:07:08.4	0.2							
	e	Sg	E	20:07:47.9	-1.1							
WET	e	Pn	Z	20:07:00.6	2.1	113.8			352.1	109.1	ML	4.1
	e	Sg	N	20:07:49.6	0.1	2.3						
BRG	e	Pn	Z	20:07:06.0	1.2	19.1			404.0	78.3	ML	4.1
	i	Pg		20:07:18.1	0.7							
	e	Sg	Z	20:08:03.8	-0.6	4.0						
GEC2	e	Pn	Z	20:07:08.5	1.6	111.7			420.5	110.1		
	e	Sn	N	20:07:51.6	2.8	4.4						
OGA	e	Pn		20:07:09.8	2.0				428.1	151.0		
BSEG	e	Pn	Z	20:07:07.1	-1.0	4.3			430.1	17.9		
SCE	i	Pn	-	20:07:10.9	1.9				437.9	143.8		
BHG	i	Pn	+	20:07:11.5	2.5				437.9	128.6		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/11/29	23:01:19.0		50.166N	8.339E				10G			9		2.2ML	STR	NEIC	
1997/11/29	23:01:19.0	+ - 0.41	50.260N	8.320E	7.8	3.3	21	10G		12	7	177	1.9ML		SZGRF	L

Limburg/Lahn

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	23:01:21.3	-0.1	T		10.0	114.7	ML 1.7
	e Sg	N	23:01:22.9	-0.1	T				
GSH	e Pg	Z	23:01:43.2	-0.8	T		147.3	291.9	ML 2.0
	e Sg	E	23:02:00.6	-0.6	T				

BUG	e	Pg	Z	23:01:44.3	-0.2	T	150.6	331.1	ML 2.1
	e	Sg	E	23:02:01.5	-0.5	T			
GRA1	e	Pg	Z	23:01:56.0	0.2	T	216.9	105.8	
	e	Sg	E	23:02:20.9	-0.1	T			
CLZ	e	Pg	Z	23:01:55.6	-1.9	T	226.9	38.4	
	e	Sg	E	23:02:24.6	0.7	T			
MOX	e	Sn	E	23:02:22.0	3.3	T	237.2	78.3	
	i	(Sg)		23:02:22.6	-4.2				
CLL	e	Sg	E	23:02:57.9	-0.9	T	349.1	68.7	

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Sg	1997/11/01	01:44:56.7						
MOX	i Pg	1997/11/01	20:36:24.7						
MOX	i Sg	1997/11/01	20:36:42.5						
BRG	e Sg	1997/11/04	01:36:17.5						
BRG	e Sg	1997/11/04	15:43:12.0						
BRG	e Pg	1997/11/05	02:51:45.1						
BRG	e Sg	1997/11/05	02:52:23.7						
BRG	e Sg	1997/11/05	14:32:35.4						
CLL	e Sg	1997/11/05	14:33:20.0						
BRG	e Sg	1997/11/05	17:32:20.4						
BRG	e Sg	1997/11/10	14:56:22.0						
BRG	i Sg	1997/11/11	04:48:48.3						
BFO	e Pg	1997/11/11	14:46:12.0						
BFO	e Sg	1997/11/11	14:46:23.2						
CLL	e (Sg)	1997/11/11	17:49:23.0						
BRG	i Sg	1997/11/12	23:20:28.6						
MOX	e (Pg)	1997/11/13	05:48:28.5						
MOX	i Sg	1997/11/13	05:49:04.9						
CLL	e Sg	1997/11/13	09:23:51.0						
CLL	e Sg	1997/11/13	14:39:41.0						
MOX	e Pg	1997/11/13	14:39:33.2						
MOX	i Sg	1997/11/13	14:40:13.6						

MOX	e	Pg	1997/11/13	15:10:08.3
MOX	i	Sg	1997/11/13	15:10:46.5
MOX	i	Pg	1997/11/13	16:12:22.0
MOX	i	Sg	1997/11/13	16:12:35.0
MOX	i	Pg	1997/11/13	17:09:04.7
MOX	i	Sg	1997/11/13	17:09:23.2
CLL	e	Sg	1997/11/13	22:31:19.0
CLL	e	Sg	1997/11/14	06:02:24.0
CLL	e	Sg	1997/11/14	10:04:58.0
CLL	e	(Sg)	1997/11/14	15:16:52.0
BFO	e	(Sg)	1997/11/17	13:55:59.9
OGA	i	Pn +	1997/11/18	01:34:31.0
CLL	e	Sg	1997/11/19	14:45:15.0
TNS	e	Pg +	1997/11/20	09:43:52.3
TNS	i	Sg +	1997/11/20	09:44:08.1
SCE	i	Pg -	1997/11/20	11:23:10.2
OGA	i	Pg +	1997/11/20	11:23:02.1
BRG	e	Sg	1997/11/22	11:17:31.5
CLL	e	(Sg)	1997/11/26	21:56:25.0
BRG	e	Pg	1997/11/27	07:14:37.2
BRG	e	Sg	1997/11/27	07:15:00.9
BRG	e	Sg	1997/11/28	21:23:13.0
BRG	i	Pg	1997/11/29	08:01:22.9
BRG	i	Sg	1997/11/29	08:01:28.2

BRG e Pn 1997/11/29 19:42:08.3