

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/01	09:03:12.9	+ - 0.37	51.260N	11.710E	4.4	3.3	27	0G		10	6	140	2.0ML	CLL	BGR	B?

Braunsbedra, SW of Merseburg, NW of Weissenfels

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg	Z	09:03:25.4	0.8	T	3.2	68.7	185.6	ML 1.5
	e Sg	E	09:03:33.0	0.4	T	7.5			
CLL	e Pg	Z	09:03:28.6	0.4	T	2.2	90.0	86.1	ML 2.0
	e Sg	E	09:03:39.1	0.4	T	5.2			
CLZ	e Pg	Z	09:03:31.5	-0.6	T	2.1	112.8	305.5	ML 1.9
	e Sg	E	09:03:45.5	0.3	T	5.7			
BRG	e Pg	E	09:03:39.5	-0.9	T	2.8	161.8	104.5	ML 1.9
	e Sg	Z	09:03:59.8	0.6	T	3.6			
GRFO	e Sg	E	09:04:03.8	0.1	T	2.6	177.9	191.4	ML 2.2
GEC2	e Sg	E	09:04:38.9	-0.8	T	2.3	303.8	151.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/01	21:00:59.3		47.905N	10.178E				10G			8		2.3ML	VIE	NEIC	
1997/10/01	21:00:59.3	+ - 0.78	47.850N	10.110E	8.9	4.4	177	10G		7	5	224	2.5ML	FUR	BGR	L
1997/10/01	21:00:59.2	+ - 0.12	47.842N	10.162E	1.5	1.1	92	27	+ - 1.0	14	6	190	2.2ML		LEDBW	L

Memmingen

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	i Pg	-	21:01:05.3	0.5	T		18.4	192.7	ML 2.2
	i Sg		21:01:09.7	1.1	T				
SGW	i Pn	+	21:01:12.2	-0.2	T		76.4	293.0	ML 2.2
	i Pg	+	21:01:12.4	-0.6	T				
HDH	e Sg		21:01:21.9	-0.5	T				
	i Pn		21:01:12.8	-0.4	T		82.6	2.3	ML 1.8
HSN	i Pg	+	21:01:13.2	-0.8	T				
	e Sg		21:01:23.7	-0.3	T				
HSN	e Pg	+	21:01:14.3	-0.6	T		88.4	305.9	
	i Sg		21:01:25.0	-0.6	T				
FUR	e Pg	Z	21:01:15.3	0.1		1.9	90.2	66.3	ML 2.5
	e Sg	N	21:01:26.9	0.7					
BEU	i Pg	-	21:01:15.7	-1.0	T		99.3	326.4	ML 2.5
	e Sn		21:01:26.0	-0.5	T				
	i Sg		21:01:27.7	-1.0	T				
LBG	e Sg		21:01:37.0	-2.0	T		136.4	312.6	ML 2.1
BFO	e Pg	Z	21:01:23.1	-1.4		1.2	146.5	292.4	
	e Sg	N	21:01:40.4	-1.4					
KIZ	e Pg		21:01:29.1	1.0			167.7	275.2	ML 2.0
GRFO	e Sg	N	21:02:02.5	0.0			219.7	20.3	
TNS	e Sg	N	21:02:23.0	-0.2			292.7	335.4	

MOX e Sg N 21:02:32.6 -0.9 329.0 18.2

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/04	12:24:21.3	+-	0.43	51.510N	10.360E	5.6	3.3	83	0G		10	6	158	2.2ML	MOX	BGR	B?

Bleicherode, S Harz Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
CLZ	e Pg	Z	12:24:27.7	0.1	T	30.2	36.9	1.3	ML 2.0
	e Sg	E	12:24:32.4	0.5	T	3.2			
MOX	e Pg	Z	12:24:43.1	-0.2	T	8.5	130.2	137.2	ML 2.2
	e Sg	E	12:24:58.7	0.2	T	5.7			
CLL	e Pn	Z	12:24:50.7	-0.2	T	6.2	184.6	96.0	ML 2.3
	e Sg	E	12:25:13.7	-0.4	T	4.1			
GRFO	e Pg	N	12:24:57.0	-0.1	T	4.2	211.2	163.0	ML 2.5
	e Sg	N	12:25:21.7	0.0	T	7.3			
BUG	e Sg	E	12:25:23.1	0.6			214.2	269.1	ML 2.5
GEC2	e Sg	E	12:26:10.5	0.6	T	2.9	379.9	139.9	
BFO	e Sg	E	12:26:10.0	-0.5	T	3.2	382.3	203.1	ML 2.7

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/05	10:57:40.7			48.159N	9.058E				10G			9		2.2ML	LDG	NEIC	
1997/10/05	10:57:41.2	+-	0.70	48.130N	8.990E	10.0	4.4	4	5G		8	5	206	2.0ML		SZGRF	L
1997/10/05	10:57:40.8	+-	0.05	48.145N	9.033E	0.6	0.5	331	5	+- 1.1	28	14	101	2.0ML		LEDBW	L

Sigmaringen/Donau

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BHB	i Pg	-	10:57:42.9	0.0	T		11.6	349.4	
	Sg		10:57:44.7	0.4	T				
SGW	i Pg	-	10:57:43.4	0.1	T		14.2	107.4	ML 2.1
	i Sg		10:57:45.6	0.6	T				
SPAK	i Pg	+	10:57:44.3	0.3	T		18.9	255.6	
	i Sg		10:57:46.8	0.5	T				
JUN	i Pg	+	10:57:44.4	0.1	T		20.6	1.6	
	i Sg		10:57:47.3	0.5	T				
HSN	i Pg	+	10:57:44.6	0.1	T		21.3	33.9	
	i Sg		10:57:47.6	0.6	T				
BFO	i Pg	-	10:57:50.4	0.1	T		56.0	291.8	ML 1.5
	e Sg		10:57:56.9	0.1	T				
BEU	i Pg	+	10:57:50.6	0.2	T		56.4	29.9	ML 1.8
	i Sg		10:57:57.5	0.6	T				
LBG	i Pg	-	10:57:51.1	0.1	T		60.3	343.1	ML 1.9
	i Sg		10:57:58.5	0.4	T				
	e SmS		10:58:02.3	-1.8					

FELD	i	PmP+		10:57:54.8	-2.7	T		82.2	249.1								
	i	SmS		10:58:07.6	-1.5	T											
KIZ	i	Pg +		10:57:55.2	-0.1	T		85.5	256.2	ML	2.0						
	e	Sg		10:58:05.3	0.1	T											
	e	SmS		10:58:08.0	-1.9												
UBR	i	Pg -		10:57:57.5	0.6	T		95.3	122.4	ML	2.3						
	e	Sg		10:58:09.7	1.6	T											
	i	SmS		10:58:11.9	-0.3	T											
HDH	i	Pg +		10:57:57.6	-0.0	T		99.5	60.2	ML	1.8						
	i	PmP		10:57:58.4	-1.7	T											
	i	Sg		10:58:09.8	0.6	T											
	e	SmS		10:58:12.0	-1.3												
BBS	i	Pn		10:58:02.8	-1.1	T		136.7	236.9								
HOL	e	Sg		10:58:22.1	-0.9			147.8	22.4	ML	2.2						
FUR	e	Sg	N	10:58:29.4	1.1			166.3	88.5	ML	2.4						
GRC1	e	Pg	Z	10:58:15.5	-0.2			206.0	61.7								
	e	Sg	N	10:58:40.6	0.9												
GRA1	e	Pg	Z	10:58:20.7	0.1			234.9	42.1	ML	2.1						
	e	Sg	E	10:58:49.8	1.9												
TNS	e	Sg	N	10:58:48.2	0.3			234.9	349.8								

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/06	04:09:40.2	+-	1.49	47.660N	13.720E	16.7	10.0	141	10G		7	5	285	2.7ML		SZGRF	L
1997/10/06	04:09:38.7	+-	0.89	47.640N	13.750E	8.9	5.6	121	10G		12	9	280	2.2ML	WET	BGR	L

E Salzkammergut/A, Totes Gebirge

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GEC2	e Pg	Z	04:10:01.4	-0.1	T	32.4	134.0	358.5	
	e Sg	E	04:10:17.2	0.1	T	7.4			
WET	e Pn	Z	04:10:07.5	1.1	T	12.0	179.2	339.3	ML 2.2
	e Sg	Z	04:10:30.4	0.4	T	12.4			
FUR	e Sg	N	04:10:34.3	0.3	T	2.0	193.4	288.4	ML 2.8
GRFO	e Pg	Z	04:10:28.4	-0.2	T	2.8	294.1	321.8	
GRA1	e Pg	Z	04:10:28.3	-0.3			294.1	321.8	ML 2.7
	e Sg	E	04:11:05.1	2.3					
BRG	e Sg	N	04:11:22.0	0.5	T	2.0	359.8	2.2	
MOX	e Pn	Z	04:10:29.8	0.3	T	1.7	368.4	335.9	ML 2.9
	e Pg		04:10:30.0	-11.1					
	e Sg	E	04:11:23.2	-0.8	T	3.2			
BFO	e Pn	Z	04:10:35.6	1.0	T	1.8	410.5	282.8	
CLL	e Sg	N	04:11:36.3	0.1	T	2.5	411.4	352.7	ML 3.0
TNS	e Pn	Z	04:10:45.2	1.8	T	2.5	482.0	308.5	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/09	02:41:56.7			49.068N	6.900E				10G			6		2.5ML	UCC	NEIC	I
ML= 2.6(DBN), mining induced event in the Lorraine region, France, Less reliable																	
1997/10/09	02:41:56.2	+-	0.70	49.150N	6.720E	8.9	4.4	61	1G		9	5	225	2.4ML		SZGRF	I
1997/10/09	02:41:55.9	+-	0.67	49.150N	6.710E	7.8	3.3	59	1G		16	9	225	2.5ML	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	02:42:21.4	0.1	T	11.6	149.7	126.9	ML 2.3
	e Sg	N	02:42:37.9	-0.8	T				
TNS	e Pg	Z	02:42:24.8	-0.4	T	3.7	172.7	45.7	ML 2.5
	e Sg	N	02:42:44.7	-0.6	T				
GSH	e Pg	Z	02:42:26.2	0.1	T	2.6	178.1	352.4	ML 2.3
	e Sg	N	02:42:46.6	-0.3	T				
BUG	e Pg	Z	02:42:39.0	-0.6	T	1.1	257.8	8.7	ML 2.7
	e Sg	N	02:43:10.1	0.5	T				
GRFO	e Pg	Z	02:42:51.2	-0.9	T	1.2	331.7	77.8	ML 2.9
	e Sg	N	02:43:31.2	0.5	T				
GRA1	e Pg	Z	02:42:50.6	-1.5			331.8	77.8	
	e Sg	E	02:43:31.5	0.8					
MOX	e Sn	N	02:43:29.3	-0.1	T		388.6	62.8	
CLZ	e Sn	E	02:43:31.5	0.5	T		395.7	39.5	
WET	e Pn	Z	02:42:58.3	0.7	T	1.9	448.5	87.8	
	e Sn	E	02:43:42.6	0.5	T				
GEC2	e Pn	Z	02:43:05.7	0.5	T	3.0	511.0	91.2	
	e Sn	N	02:43:55.7	0.3	T				
BRG	e Sg		02:44:34.6	1.3			550.9	66.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/11	00:35:34.5		49.416N	6.897E				5G			13		2.5ML	DBN	NEIC	I
ML= 2.5(UCC), mining induced event in the Lorraine region, France																
1997/10/11	00:35:34.5	+/- 0.66	49.370N	6.830E	8.9	4.4	62	1G		9	5	212	2.7ML		SZGRF	I
1997/10/11	00:35:33.9	+/- 0.63	49.370N	6.850E	8.9	4.4	68	1G		8	4	211	2.3ML	BFO	BGR	I
1997/10/11	00:35:34.4	+/- 0.40	49.380N	6.930E	6.0	2.0	77	1G		13	10	210	2.4ML		LEDBW	I

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg		00:35:41.0	0.4	T		37.0	14.6	
	e Sg		00:35:45.9	0.9	T				
ABH	e Pg	-	00:35:46.9	0.4	T		71.3	38.3	
	e Sg		00:35:55.3	0.5	T				
KTD	e Pg		00:35:49.4	0.8	T		83.8	94.1	
TNS	e Pg	Z	00:35:58.9	0.1		10.5	143.6	48.7	ML 2.8
	e Sg	E	00:36:17.0	1.6					
BFO	e Pg	Z	00:36:00.5	-0.2		12.4	155.3	138.2	ML 2.3
	e Sg	N	00:36:19.1	0.4					
GSH	e Pg	Z	00:36:00.0	-0.8		4.8	156.0	345.6	ML 2.5
	e Sg	E	00:36:18.7	-0.3					
LBG	e Pg	+	00:36:00.9	-0.2	T		157.5	119.7	ML 2.3
	e Sg		00:36:19.7	0.3	T				
KIZ	e Pg	+	00:36:03.2	-0.7	T		174.1	155.0	ML 2.3
	e Sg		00:36:23.4	-0.8					

FELD	e	Pg		00:36:04.7	-1.0	T		184.9	154.3								
	e	Sg		00:36:26.6	-0.6												
SPAK	e	Pg +		00:36:07.6	-0.2	T		196.7	135.5								
BEU	e	Pg		00:36:08.3	-0.3	T		201.8	115.1			ML	2.4				
HOL	e	Pg		00:36:11.1	1.4			208.6	89.2			ML	2.5				
BBS	e	Pg		00:36:12.4	1.1			217.2	168.4								
SGW	i	Pg +		00:36:11.4	-0.2	T		219.3	129.3			ML	2.5				
BUG	e	(Pg)	Z	00:36:13.4	-0.1		1.5	230.4	5.9			ML	2.8				
	e	Sg	N	00:36:39.9	-0.4												
HDH	e	Sg		00:36:47.5	0.2			255.0	109.1			ML	2.5				
UBR	e	Pg		00:36:26.5	1.2			300.7	127.7			ML	2.5				
GRA1	e	Pg	Z	00:36:27.6	0.3			311.6	82.0			ML	3.0				
	e	Sg	N	00:37:05.9	2.5												
MOX	e	(Sg)		00:37:19.6	1.5			363.1	65.4								

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/11	10:28:55.6	+- 0.50	51.334N	6.690E	9.2	8.7	103	2	+- 0.0	11			2.9ML		LDG	L
1997/10/11	10:28:51.2		51.425N	6.953E				5G			9		2.5ML	DBN	NEIC	
	Less reliable solution															
1997/10/11	10:28:52.5	+- 0.83	51.470N	6.680E	11.1	5.6	113	0G		7	5	203	2.4ML	TNS	BGR	I?
1997/10/11	10:28:54.5	+- 0.53	51.490N	6.820E	6.7	4.4	124	1G		11	6	194	2.2ML		SZGRF	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg Z	10:28:59.9	0.1	T		31.6	99.8	ML 1.7
	e Sg E	10:29:04.8	1.3	T				
GSH	e Pg Z	10:29:09.2	-0.4	T		89.3	200.4	ML 2.2
	e Sg E	10:29:19.9	-0.0	T				
IBBN	e Pg Z	10:29:11.6	-1.7	T		111.3	34.9	ML 2.4
	e Sg E	10:29:26.3	0.1	T				
TNS	e Pg Z	10:29:23.7	-1.5	T		181.4	140.3	ML 2.4
	e Sg E	10:29:45.7	-0.5	T				
CLZ	e Pg Z	10:29:35.6	-0.9	T		248.1	79.5	
	e Sg E	10:30:04.6	-0.7	T				
MOX	e Sg E	10:30:33.7	-0.2	T		347.9	103.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/14	21:56:35.1	+- 0.38	51.610N	7.770E	7.8	4.4	135	1G		7	4	144	2.0ML	IBBN	BGR	I
1997/10/14	21:56:35.2	+- 0.34	51.620N	7.780E	4.4	3.3	151	1G		9	5	118	2.0ML		SZGRF	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
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BUG	e	Pg	Z	21:56:41.0	-1.1	T	40.6	240.7	ML	2.1
	e	Sg	N	21:56:47.2	0.4	T				
IBBN	e	Pg	Z	21:56:47.9	-0.3	T	76.4	358.8	ML	2.0
	e	Sg	E	21:56:56.7	-0.4	T				
GSH	e	Pg	Z	21:56:57.8	-0.9	T	138.6	225.4	ML	2.0
	e	Sg	N	21:57:15.3	0.5	T				
CLZ	e	Pg	Z	21:57:04.4	-1.3	T	180.2	81.1		
	e	Sg	N	21:57:27.2	0.5	T				
MOX	e	Sg	N	21:57:57.7	0.0	T	288.7	110.6		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/19	06:21:49.6		49.125N	6.988E				10G			6		2.6ML	UCC	NEIC	I
ML= 2.2(DBN), mining induced event in the Lorraine region, France, Less reliable																
1997/10/19	06:21:48.9	+/- 0.71	49.160N	6.780E	10.0	4.4	64	1G		10	6	222	2.5ML		SZGRF	I
1997/10/19	06:21:49.7	+/- 0.51	49.220N	6.880E	6.7	3.3	57	1G		20	9	215	2.7ML	GRFO	BGR	I

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	06:22:13.6	-0.6	T	19.0	145.2	132.4	ML 2.3
	e Sg	N	06:22:30.4	-0.8	T	37.8			
TNS	e Pn	Z	06:22:15.5	-0.4	T	1.2	158.5	44.7	ML 2.4
	e Pg	Z	06:22:17.2	0.6	T	9.2			
	e Sg	N	06:22:34.4	-0.6	T	21.0			
GSH	e Pn	Z	06:22:17.2	-0.4	T	1.5	172.5	348.2	ML 2.2
	e Pg	Z	06:22:18.9	-0.0	T	2.9			
	e Sg	E	06:22:37.8	-1.2	T	6.9			
GRFO	e Pg	Z	06:22:44.7	1.1	T	2.1	318.0	78.9	ML 2.7
	e Sg	N	06:23:20.8	0.2	T	3.6			
GRA1	e Pg	Z	06:22:40.8	-2.8			318.1	78.9	ML 2.9
	e Sg	E	06:23:21.2	0.7					
IBBN	e Sg	N	06:23:29.7	0.4	T	4.9	348.8	9.8	ML 3.0
MOX	e Sg	Z	06:23:37.4	0.9	T	2.8	374.0	63.2	ML 2.8
CLZ	e Pn	Z	06:22:43.1	-0.1	T	1.4	381.9	38.9	ML 2.9
	e Pg	E	06:22:55.1	0.7	T	1.1			
	e Sn	E	06:23:23.2	1.4	T	1.9			
	e Sg	E	06:23:37.9	-0.9	T	3.2			
WET	e Pn	Z	06:22:50.8	1.0	T	2.2	435.9	88.8	ML 2.9
	e Sn	N	06:23:35.1	1.9	T	2.6			
	e Sg	N	06:23:52.9	-1.3	T	3.6			
GEC2	e Pn	Z	06:22:58.2	0.8	T	4.1	498.9	92.2	
BRG	e Sg		06:24:30.3	7.3			536.5	67.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/19	10:30:57.5		47.300N	11.763E				1		17	14		3.1ML		SED	
1997/10/19	10:30:58.0		47.359N	11.758E				10G			54		3.1ML	VIE	NEIC	
ML= 3.0(STR), Intensity = IV (MSK) at Schwaz/A																
1997/10/19	10:31:00.2	+ - 0.32	47.471N	11.699E	6.2	4.1	46	2	+ - 0.0	46			3.0ML		LDG	L
1997/10/19	10:30:57.7	+ - 0.20	47.375N	11.808E	1.3	0.7	74	8	+ - 3.3	17	9				FUR	L
1997/10/19	10:31:02.6	+ - 0.90	47.460N	11.630E	10.0	8.0	47	10G		24	15	303	3.1ML		LEDBW	L
1997/10/19	10:30:58.8	+ - 0.65	47.390N	11.710E	16.7	10.0	155	10G		25	9	270	3.3ML		SZGRF	L
1997/10/19	10:30:59.9	+ - 0.53	47.410N	11.870E	6.7	4.4	162	10G		31	11	252	3.0ML	BFO	BGR	L

Inntal, NE of Innsbruck/A

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SCE	i Pg -	10:31:04.1	-3.3			43.0	196.3	
OGA	i Pg -	10:31:11.2	-3.7			87.8	227.0	
FUR	e Pg Z	10:31:15.2	-0.8	T	17.0	94.8	332.3	ML 3.7
	e Sg E	10:31:27.5	0.4	T				
UBR	e Pn -	10:31:20.7	-1.6			135.6	283.5	ML 3.1
	i Pg -	10:31:22.3	-0.6					
	e Sn	10:31:37.6	-0.5					
	i Sg	10:31:39.9	1.1					
HDH	i Pn	10:31:28.2	0.5			179.9	317.2	ML 3.4
	i Sn	10:31:47.1	-0.4					
	i Sg	10:31:50.1	-1.3					
WET	e Pn Z	10:31:30.3	-0.7	T	14.6	206.7	20.8	ML 2.7
	e Pg Z	10:31:34.5	-0.4	T				
	e Sn N	10:31:54.5	1.3	T				
	e Sg N	10:31:59.4	0.4	T				
GEC2	e Pn Z	10:31:31.0	-0.3	T	10.8	209.6	39.7	
	e Sn N	10:31:56.3	2.5	T				
	e Sg N	10:31:59.8	-0.1	T				
GUT	i Pn	10:31:32.7	0.3			218.7	290.6	ML 3.0
	e Sg	10:31:59.9	-2.6					
HSN	i Sg	10:32:01.2	-2.4			223.0	297.5	
BEU	e Pn	10:31:33.6	0.5			224.5	306.5	ML 3.1
	e Sn	10:31:56.3	-0.7					
	e Sg	10:32:01.5	-2.5					
SPAK	i Pg	10:31:36.2	-4.9			243.0	289.6	
	i Sg	10:32:06.7	-2.7					
GRFO	e Pn Z	10:31:37.6	0.3	T	1.4	258.1	349.6	ML 2.9
	e Pg Z	10:31:42.5	-1.2	T				
	e Sg E	10:32:13.8	0.1	T				
GRA1	e Pg Z	10:31:42.5	-1.2			258.2	349.6	ML 3.1
	e Sn E	10:32:04.9	0.8					
	e Sg E	10:32:12.9	-0.8					
ROTZ	i Pn -	10:31:36.2	-1.7			263.3	5.3	ML 2.6
HOL	i Pn	10:31:38.0	-0.2			265.8	325.9	ML 3.2
	e Pg	10:31:43.4	-1.6					
	e Sg	10:32:14.3	-1.6					

LBG	e	Sn		10:32:05.0	-1.1				267.8	302.5	ML	3.3
	e	Sg		10:32:14.5	-1.9							
BFO	e	Pn	Z	10:31:40.0	-0.3	T	13.4	283.2	292.5	ML	3.0	
	e	Sn	E	10:32:09.4	0.1	T						
	e	Sg	E	10:32:17.3	-3.5							
FELD	i	Pn		10:31:41.4	-0.2			294.2	281.6			
KIZ	i	Pg		10:31:50.0	-1.1			302.0	283.1	ML	3.0	
HOF	e	Pn		10:31:50.4	5.3			322.9	0.1			
BBS	i	Pn		10:31:45.9	0.2			328.0	272.7			
TOD	i	Pn		10:31:46.5	0.1			332.5	318.4			
MOX	e	Pn	Z	10:31:47.9	-1.8	T	2.9	360.1	357.1	ML	3.1	
	e	Pg	Z	10:31:59.5	-1.4	T						
	e	Sn	E	10:32:27.0	1.3	T						
	e	Sg	E	10:32:43.1	0.3	T						
TNS	e	Pn	Z	10:31:54.8	0.2	T	9.2	400.6	322.6	ML	3.6	
	e	Sn	E	10:32:34.4	0.2	T						
	e	Sg	E	10:32:53.1	-1.2	T						
BRG	e	Pg	Z	10:32:08.2	-1.8	T	3.2	413.5	20.6	ML	3.2	
	e	Sn	E	10:32:40.7	3.8							
	e	Sg	E	10:32:56.4	-1.7	T						
ABH	i	Pn		10:31:57.5	0.5			419.8	312.5			
CLL	e	Pn	Z	10:31:58.7	-0.8	T	3.0	441.1	10.3	ML	3.4	
	e	Pg	Z	10:32:13.9	-0.7	T						
	e	Sg	N	10:33:06.4	0.5	T						
CLZ	e	Pn	Z	10:32:09.5	2.2			504.4	348.2	ML	3.6	
	e	Pg	Z	10:32:25.0	-0.4	T	2.4					
	e	Sn	N	10:32:56.6	0.4	T						
	e	Sg	N	10:33:22.6	-1.4	T						
GSH	e	Pn	Z	10:32:13.0	0.9	T	1.6	544.6	314.8			
	e	Sn	E	10:33:05.7	1.0	T						

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
1997/10/19 16:36:53.5 **47.740N** **6.373E** **10G** **10** **2.2ML** **LDG** **NEIC**
A single network solution

Lure/F, NE of Vesoul

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg Z	16:37:20.5	-0.0		1.7	159.6	65.0	
	e Sg N	16:37:41.0	1.8					

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
1997/10/19 20:52:48.9 46.988N 12.731E 10G 23 2.8ML VIE NEIC
ML= 3.2(STR)
1997/10/19 20:52:50.8 +- 0.61 47.187N 12.938E 13.8 7.7 46 2 +- 0.0 21 2.8ML LDG L
1997/10/19 20:52:51.0 +- 1.26 47.050N 12.790E 13.3 7.8 148 10 +- 4.8 11 4 293 2.5ML SZGRF L
1997/10/19 20:52:50.1 +- 0.79 46.960N 12.670E 11.1 6.7 168 5G 14 7 276 2.7ML FUR BGR L

Schober Gruppe/A, N of Lienz

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SCE	i Pg -	20:53:01.6	-1.0			73.3	277.2	
BHG	i Pg +	20:53:03.9	-0.8			86.1	10.5	
OGA	i Pg -	20:53:09.8	-1.6			125.3	265.9	
FUR	e Pg Z	20:53:18.2	-0.7	T	7.7	169.8	322.5	ML 2.7
	e Sg N	20:53:39.7	1.0	T				
GEC2	e Pn Z	20:53:22.9	-1.0	T	2.8	223.3	19.8	
	e Sn N	20:53:48.4	0.5	T	66.3			
WET	e Pn Z	20:53:25.3	-0.9	T	5.7	243.3	3.6	ML 2.2
	e Sn N	20:53:52.4	0.3	T	22.0			
	e Sg E	20:53:56.0	-3.7					
GRFO	e Pn Z	20:53:35.6	-0.3	T	1.2	322.0	341.1	
	e Pg Z	20:53:43.3	-1.4					
	e Sg E	20:54:21.1	-1.0	T				
GRA1	e Pn Z	20:53:35.8	-0.1			322.1	341.1	
	e Pg Z	20:53:43.3	-1.4					
	e Sg E	20:54:21.7	-0.4					
BFO	e Pn Z	20:53:41.9	1.5	T	3.4	359.0	296.7	ML 2.9
	e Pg Z	20:53:51.8	0.8	T				
	e Sn N	20:54:18.7	2.1					
	e Sg N	20:54:32.2	-0.5	T				
MOX	e Pn Z	20:53:46.4	-1.1	T	4.2	416.9	349.7	
	e Sn N	20:54:30.2	1.4	T	2.6			
	e Sg E	20:54:46.3	-3.0					
BRG	e Sn N	20:54:34.9	0.1	T	1.8	444.9	11.6	
	e Sg	20:54:54.3	-3.0					
TNS	e Pn Z	20:53:56.3	1.4			477.4	321.0	
	e Sn E	20:54:44.7	3.1					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/21	16:44:39.1		48.750N	9.772E				10		32	22		3.4ML		SED	
1997/10/21	16:44:39.6		48.737N	9.620E				20G			78		4.0ML	STR	NEIC	
ML= 4.1(CLL , VIE), Intensity = V (MSK) at Lorch and at Schwabisch Gmund																
1997/10/21	16:44:41.7	+ - 0.31	48.779N	9.619E	4.2	2.5	57	19	+ - 1.3	99			3.9ML		LDG	L
1997/10/21	16:44:39.4	+ - 0.24	48.780N	9.720E	4.4	4.4	12	10G		31	11	124	4.0ML		SZGRF	L
1997/10/21	16:44:39.3	+ - 0.31	48.810N	9.730E	3.3	2.2	14	1	+ - 3.0	31	13	121	3.8ML	GRFO	BGR	L
1997/10/21	16:44:40.2	+ - 0.08	48.782N	9.695E	1.0	0.8	325	9	+ - 1.5	40	15	112	3.7ML		LEDBW	L

near Lorch in Remstal, Intensity = V (MS) Max. intensity.

Felt in the Ostalb, Goeppingen and Rems-Murr, Radius of perceptibility = 30 km

Eislingen, E of Goeppingen/Swabian Jura

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BEU	i Pg +	16:44:45.7	0.1	T		30.1	223.1	ML 3.7
	i Sg	16:44:49.7	0.4	T				
STU	i Pg +	16:44:46.7	-0.0	T		36.8	268.3	
	i Sg	16:44:51.3	0.2	T				

HDH	i	Pg +	16:44:47.9	0.1	T	43.5	120.1	ML 3.8
	i	Sg	16:44:53.3	0.3	T			
MSG	e	Pg +	16:44:51.4	0.1	T	64.5	229.0	
	e	PmP+	16:44:53.1	-1.0	T			
	e	Sg	16:44:59.3	0.4	T			
HSN	i	Pg +	16:44:51.6	0.2	T	64.7	215.0	
	e	Sg	16:44:59.6	0.6	T			
	e	SmS	16:45:02.8	-0.9				
HOL	i	Pg -	16:44:51.5	-0.0	T	66.0	7.3	ML 3.8
	i	Sg	16:45:00.0	0.7	T			
	e	SmS	16:45:02.1	-1.9				
LBG	e	Pg +	16:44:51.8	-0.0	T	67.3	259.1	
	e	PmP+	16:44:53.2	-1.3	T			
	i	Sg	16:45:00.1	0.4	T			
	i	SmS	16:45:02.3	-2.0	T			
JUN	e	Pg +	16:44:52.3	0.1	T	69.6	224.0	
	i	PmP+	16:44:52.9	-2.0				
	i	Sg	16:45:00.7	0.4	T			
	e	SmS	16:45:03.7	-1.2				
BHB	e	Pg +	16:44:53.8	0.2	T	78.3	220.8	
	i	PmP+	16:44:54.9	-1.1	T			
	e	Sg	16:45:03.2	0.5	T			
	e	SmS	16:45:05.8	-1.0				
ENG	e	Pg +	16:44:53.9	0.1	T	79.9	229.5	
	i	Sg	16:45:03.7	0.5	T			
	i	SmS	16:45:05.9	-1.4	T			
GUT	e	Pg -	16:44:55.5	-0.0	T	89.9	208.6	ML 3.6
	e	PmP-	16:44:56.5	-1.2	T			
	e	Sg	16:45:06.6	0.5	T			
HEI	e	Pg +	16:44:57.6	0.6	T	98.3	314.6	
	e	PmP-	16:44:57.9	-1.1	T			
	e	Sg	16:45:08.2	-0.3	T			
	e	SmS	16:45:09.7	-2.2	T			
SPAK	i	Pn +	16:44:57.6	-0.9	T	101.0	221.9	
	e	Pg +	16:44:58.5	1.1	T			
	e	Sg	16:45:09.6	0.4	T			
TOD	e	Pn -	16:44:55.2	-4.7		112.2	325.1	
	e	Pg -	16:44:59.5	0.2	T			
BFO	i	Pn +	16:44:58.7	-1.3	T	112.4	243.9	ML 3.3
	i	Pg +	16:44:59.5	0.2	T			
	e	Sn	16:45:12.5	-1.2	T			
	i	Sg	16:45:13.2	0.7	T			
UBR	e	Pn -	16:45:01.2	-0.4		126.2	165.8	ML 3.6
	e	Pg -	16:45:02.0	0.4				
	e	Sg	16:45:17.7	1.3				
KTD	e	Pg	16:45:02.7	0.0		131.8	297.6	
FUR	e	Pn Z	16:45:03.4	0.7		11.7	135.3	120.0 ML 4.4
	e	Sn E	16:45:18.1	-0.5		254.2		
	e	Sg N	16:45:19.7	0.7				

GRC1	i	Pn	+	16:45:02.1	-0.6				
	e	Pg	-	16:45:03.4	0.1		135.6	79.2	
	i	Sg		16:45:19.2	0.1				
HEX	e	Pn	+	16:45:02.1	-1.4		142.0	234.0	
	e	Pg	-	16:45:04.4	0.1				
	e	Sn		16:45:18.8	-1.2				
	e	Sg		16:45:21.2	0.3				
GRFO	e	Pn	Z	16:45:03.8	-0.7	17.9	149.9	47.0	ML 3.8
	e	Sg	N	16:45:22.6	-0.6	879.8			
GRA1	i	Pn	+	16:45:03.8	-0.8		150.1	47.0	ML 3.9
	e	Pg	+	16:45:05.9	0.2				
	e	Sg	N	16:45:22.6	-0.6				
GRB1	i	Pn	+	16:45:04.8	-0.6		157.8	63.8	
	e	Pg	-	16:45:07.3	0.3				
KIZ	e	Pn	+	16:45:04.2	-1.6		160.2	235.7	ML 3.8
	i	Pg	-	16:45:07.2	-0.2				
	e	Sn		16:45:22.6	-1.3				
	e	Sg		16:45:25.5	-0.6				
FELD	i	Pn	+	16:45:04.4	-1.4		160.5	231.8	
	e	Pg	+	16:45:07.7	0.2				
FBB	e	Sg		16:45:26.2	-0.2		161.3	238.2	
TNS	e	Pn	N	16:45:09.0	0.3	1.4	183.8	331.1	ML 3.7
	e	Pg	N	16:45:11.2	-0.3	59.7			
	e	Sg	E	16:45:32.6	-0.2	421.1			
SOL	e	Pn	-	16:45:07.0	-1.7		184.5	225.3	
	e	Pg	+	16:45:11.6	0.0				
	e	Sn		16:45:27.4	-1.6				
	e	Sg		16:45:32.1	-0.9				
BAW	e	Pn	+	16:45:07.0	-1.8		185.0	234.6	
	e	Pg	+	16:45:11.2	-0.5				
	e	Sg		16:45:32.3	-0.8				
END	e	Pn	+	16:45:07.3	-1.8		187.3	231.4	
	e	Pg	-	16:45:12.0	0.0				
	e	Sn		16:45:28.3	-1.3				
	e	Sg		16:45:33.2	-0.6				
ABH	i	Pn	-	16:45:10.5	0.1		197.9	309.0	
ROTZ	i	Pn	+	16:45:11.3	-0.8		212.7	58.0	ML 3.4
RUP	e	Pn		16:45:12.9	0.2		216.9	299.1	
BBS	i	Pn	+	16:45:11.1	-1.7		218.6	228.7	
	e	Pg	+	16:45:17.4	0.1				
HOF	i	Pn	-	16:45:13.6	-0.9		231.9	41.9	
OGA	i	Pn	-	16:45:15.4	0.6		234.9	154.5	
WET	e	Pn	Z	16:45:14.9	-0.1	12.2	235.8	79.0	ML 3.6
	e	Pg	E	16:45:19.4	-0.9	236.6			
	e	Sg	N	16:45:45.4	-2.3	370.7			
SCE	i	Pn	-	16:45:16.8	0.7		245.2	141.5	
MOX	e	Pn	Z	16:45:15.4	-1.1	22.2	248.9	33.0	ML 4.0
	i	Pg		16:45:24.0	1.5				
	e	Sg	E	16:45:48.9	-2.5	479.5			

BHG	e	Pn		16:45:24.9	6.6				263.5	115.4								
GEC2	e	Pn	Z	16:45:22.5	0.5			44.4	293.4	87.1								
	e	Pg	Z	16:45:29.2	-0.8			158.5										
	e	Sn	N	16:45:51.6	-0.4			125.8										
	e	Sg	N	16:46:02.3	-1.9			480.3										
GSH	e	Pn	Z	16:45:26.1	0.5			3.3	322.5	313.6	ML	3.7						
	e	Sg	E	16:46:10.0	-2.5			35.2										
BUG	e	Pn	Z	16:45:29.7	1.8				342.4	330.6	ML	3.9						
	e	Sg	N	16:46:15.9	-2.2			10.8										
CLZ	e	Pn	Z	16:45:27.4	-0.7			3.3	343.6	7.8	ML	3.9						
	e	Pg	Z	16:45:37.4	-1.1			47.5										
	e	Sg	Z	16:46:16.2	-2.3			66.9										
CLL	e	Pn	Z	16:45:29.7	-1.3			10.9	366.9	38.8	ML	4.5						
	e	Pg	Z	16:45:42.0	-0.4			38.0										
	e	Sg	N	16:46:22.0	-3.1			136.7										
BRG	e	Pn	Z	16:45:32.6	-0.4			2.4	383.2	51.0	ML	4.2						
	e	Pg	Z	16:45:42.8	-2.4			31.5										
	e	Sg	E	16:46:27.4	-2.4			150.9										
IBBN	e	Sg	Z	16:46:39.6	0.7			3.3	415.2	341.5								

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/22	05:46:21.3	+/- 0.67	48.920N	11.260E	10.0	6.7	72	20G		7	6	178	2.0ML	MOX	BGR	B?

Eichstaett/Altmuehl, Frankonian Jura

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
FUR	e	Pg	Z	05:46:34.9	-1.1	T	1.6	84.2	179.2
GRFO	e	Sg	E	05:46:48.5	2.1	T	2.5	85.8	358.1
WET	e	Sg	N	05:46:56.2	-0.0	T	5.2	120.6	77.5
GEC2	e	Pg	E	05:46:53.2	1.5	T	1.5	178.7	91.8
	e	Sg	N	05:47:13.0	0.4	T	4.0		
MOX	e	Sg	E	05:47:15.6	-1.3	T	2.4	193.5	7.4
BRG	e	Sg	N	05:47:43.0	-1.4	T	1.7	289.9	40.5

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/22	12:22:33.0		47.838N	13.161E				5G			6		2.2ML	VIE	NEIC	
Less reliable solution																

NE of Salzburg/A

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BHG	i	Pg	+	12:22:37.0	-0.3		24.7	238.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/22	21:02:35.1		47.483N	7.359E				5G			4		2.1ML	LDG	NEIC	
Poor solution																
1997/10/22	21:02:36.7		47.473N	7.340E	5.4	5.4	0	3	+-97.5	10	7		1.6ML		SED	

SE of Belfort/F, French-Swiss border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z 21:02:55.2	-1.9		3.9	120.5	218.1	
	e Sg	N 21:03:10.2	-1.0					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/23	12:07:01.6		47.237N	8.511E				37			42		3.0ML	STR	NEIC	
ML= 3.0(VIE)																
1997/10/23	12:07:02.5	+- 0.30	47.154N	8.481E	4.8	2.5	85	21	+- 1.3	61			3.2ML		LDG	L
1997/10/23	12:06:59.7	+- 1.02	47.170N	8.650E	12.2	6.7	3	10G		11	7	276	3.3ML	GRFO	BGR	L
1997/10/23	12:06:59.8	+- 1.00	47.110N	8.630E	11.0	6.0	357	10G		25	16	222	3.1ML		LEDBW	L
1997/10/23	12:07:01.5		47.180N	8.626E	0.5	0.5	0	30	+- 1.2	13	9		3.0ML		SED	

Zug, Schwyz/Ch, Zuger See

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BBS	i Pn +	12:07:16.1	0.0			89.9	110.2	
FELD	i Pn -	12:07:15.9	-0.2			90.4	148.7	
KIZ	e Pn	12:07:17.3	-0.2			101.3	148.1	ML 3.5
	i Sg	12:07:30.4	-1.2					
SPAK	i Pg +	12:07:19.3	-0.4			103.3	186.7	
GUT	e Pn -	12:07:17.4	-0.6			105.6	200.5	ML 3.1
	i Pg +	12:07:19.5	-0.6					
	e Sg	12:07:32.2	-0.7					
FBB	e Sg	12:07:32.4	-1.2			108.2	147.3	
BHB	e Pn	12:07:19.6	-0.3			122.0	193.6	
	i Pg +	12:07:22.2	-0.6					
	i Sn	12:07:33.1	-0.1					
	i Sg	12:07:36.6	-0.7					
UBR	i Pn +	12:07:20.8	0.5			124.6	244.0	ML 3.1
	i Pg +	12:07:22.9	-0.3					
	i Sg	12:07:38.2	0.1					
BFO	i Pn +	12:07:20.6	-0.3			129.8	170.1	
JUN	e Pn	12:07:23.1	2.0			131.6	193.8	
	e Pg	12:07:27.2	2.9					
	e Sn	12:07:35.2	0.1					
	e Sg	12:07:38.9	-1.2					
LBG	i Pn +	12:07:24.8	-0.5			165.5	184.4	ML 3.0
BEU	e Pn +	12:07:23.0	-2.4			166.8	201.0	ML 3.1
	e Sg	12:07:48.5	-1.4					

HDH	e	Pn		12:07:27.8	-1.1				195.6	217.6	ML	3.2
	e	Sg		12:07:56.0	-2.1							
FUR	e	Sg	N	12:08:05.3	-1.4		3.3	226.5	242.1	ML	3.3	
HOL	e	Pn		12:07:35.2	-1.5			258.9	200.2	ML	3.0	
	e	Sg		12:08:14.7	-1.2							
TOD	e	Pn		12:07:37.4	-0.6			270.0	182.9			
RUP	e	Pn		12:07:43.6	1.6			303.2	157.0			
ABH	e	Pn		12:07:43.4	0.4			310.7	164.8			
GRFO	e	Sn	E	12:08:19.9	1.0		2.8	338.4	215.4	ML	3.3	
	e	Sg	N	12:08:36.8	-1.8		6.4					
GRA1	e	Sg		12:08:43.4	4.8			338.6	215.4	ML	3.6	
WET	e	Sn	N	12:08:28.8	0.4		5.5	383.5	236.9	ML	3.2	
	e	Sg	N	12:08:49.3	-2.1		8.0					
GEC2	e	Pn	Z	12:07:57.0	0.6		2.8	420.4	245.8			
	e	Sn	N	12:08:38.6	2.4		8.9					
	e	Sg	N	12:08:58.8	-3.1		9.1					
GSH	e	Sn	N	12:08:40.8	2.9		2.4	428.2	156.6			
MOX	e	(Pg)		12:08:12.3	-4.4			442.8	210.7	ML	3.3	
	e	Sg	N	12:09:05.9	-2.4		4.7					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/23	13:51:11.9		47.471N	8.203E				5G			10		2.3ML	LDG	NEIC	

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

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	13:51:29.5	1.3		1.9	96.0	5.6	
	e Sg	E	13:51:39.8	0.4					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/24	16:10:21.2		49.428N	6.935E				10G			9		1.7ML	UCC	NEIC	I
	Mining induced event in the		Lorraine region, France													
1997/10/24	16:10:20.9	+ - 0.30	49.370N	6.960E	5.0	2.0	83	1G		10	8	195	2.0ML		LEDBW	I

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	i Pg +		16:10:27.5	0.3	T		37.6	11.0	
ABH	i Pg +		16:10:32.9	0.0	T		70.9	36.4	
KTD	e Pg		16:10:36.7	2.0			81.6	93.5	
TOD	e Pg		16:10:43.8	-0.1	T		135.7	78.2	
BFO	e Pg	Z	16:10:46.9	0.1		3.7	153.0	138.6	
	e Sg	E	16:11:05.2	0.5					
LBG	e Pg		16:10:47.3	0.2	T		155.1	119.7	ML 1.9
	e Sg		16:11:06.3	1.1	T				

GSH	e	Pg	Z	16:10:47.1	-0.5			1.4	157.6	344.9							
	e	Sg	E	16:11:05.5	-0.4												
KIZ	i	Pg	+	16:10:49.7	-0.4	T			172.2	155.5	ML	2.1					
	e	Sg		16:11:09.8	-0.3	T											
FELD	e	Pg		16:10:51.7	-0.2	T			182.9	154.8							

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/24	21:19:09.3	+-	0.87	49.120N	6.700E	12.2	4.4	63	1G		6	3	227	2.0ML	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	21:19:34.8	0.4	T	5.5	148.3	125.7
	e	Sg	E	21:19:51.3	-0.4	T			
TNS	i	Pn		21:19:38.4	0.7		175.6	45.1	ML 2.0
	e	Pg	Z	21:19:39.8	0.6	T	3.1		
	e	Sg	N	21:19:59.4	-0.1	T			
GSH	e	Pg	Z	21:19:40.1	0.0	T	0.9	181.3	352.8
	e	Sg	N	21:20:00.6	-0.6	T			

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/24	22:17:19.2	+-	0.84	49.140N	6.710E	13.3	5.6	63	1G		6	3	225	2.2ML		SZGRF	I
1997/10/24	22:17:18.8	+-	0.77	49.140N	6.760E	11.1	4.4	60	1G		9	5	223	2.4ML	TNS	BGR	I
1997/10/24	22:17:19.3	+-	0.50	49.150N	6.860E	8.0	2.0	85	1G		19	13	201	2.3ML		LEDBW	I

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

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e	Pg	-	22:17:30.2	0.2	T	63.0	13.1	
	e	Sg		22:17:38.1	0.8	T			
KTD	e	Pg		22:17:35.3	0.6		90.8	77.5	
ABH	e	Pg	+	22:17:35.5	0.1	T	95.3	31.1	
LIBD	e	Pg		22:17:40.0	-0.3	T	123.8	153.6	
BFO	e	Pg	Z	22:17:43.6	0.4		10.6	141.1	129.7
	e	Sg	N	22:18:00.5	0.8				ML 2.1
TOD	e	Sg		22:18:01.9	-0.1	T	149.6	69.5	
LBG	e	Pg		22:17:45.5	0.6	T	151.4	110.2	ML 2.3
	e	Sg		22:18:03.3	0.7	T			
KIZ	e	Pg		22:17:45.3	-0.1	T	153.9	149.2	ML 2.1
	e	Sg		22:18:02.9	-0.4	T			
FELD	e	Pg	+	22:17:47.1	-0.1	T	164.8	148.8	
	e	Sg		22:18:06.6	0.3	T			
TNS	i	Pn	+	22:17:45.4	-1.0		165.1	43.2	ML 2.4
	e	Pg	Z	22:17:48.6	1.3		4.9		
	e	Sg	E	22:18:08.5	2.0				

GSH	e	Pg	Z	22:17:49.0	-0.8		2.1	179.8	349.1	ML	2.2								
	e	Sg	N	22:18:09.0	-1.6														
BBS	e	Pg		22:17:54.6	2.5			193.5	165.4										
BEU	e	Pg		22:17:52.6	-0.1			197.2	107.6	ML	2.3								
	i	Sg		22:18:16.5	0.9	T													
GUT	e	Pg		22:17:56.1	2.1			204.7	125.0	ML	2.0								
	e	Sg		22:18:17.5	-0.2	T													
HOL	e	Pg		22:17:55.6	-0.3	T		215.5	82.3	ML	2.2								
	e	Sg		22:18:21.1	0.2														
HDH	e	Sg		22:18:31.8	0.3			252.7	103.1	ML	2.3								
BUG	e	Sg	N	22:18:33.7	1.1			256.3	6.4	ML	2.6								
UBR	e	Pn		22:18:02.6	1.0			290.0	123.1	ML	2.3								
GRFO	e	Pg	Z	22:18:16.0	2.3		1.4	321.0	77.6										
	e	Sg	N	22:18:51.2	0.2														
FUR	e	Sg	N	22:19:01.5	4.4			342.3	107.0										
MOX	e	Sg	E	22:19:07.1	-0.5			378.9	62.2										
WET	e	Pn	Z	22:18:20.8	1.2		2.4	437.6	87.8										
	e	Sn	N	22:19:05.9	2.7														
GEC2	e	Pn	Z	22:18:28.3	1.1		3.7	500.1	91.3										
	e	Sn	E	22:19:19.6	3.2														

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/28	04:34:19.9	+ -	0.64	49.150N	6.700E	7.8	4.4	54	1G		14	7	225	2.3ML	TNS	BGR	I
1997/10/28	04:34:22.0	+ -	0.73	49.150N	6.830E	11.1	5.6	59	1G		7	4	220	2.2ML		SZGRF	I

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg Z	04:34:45.0	-1.2	T		142.8	129.1	ML 2.1
	e Sg E	04:35:03.4	0.5	T				
TNS	e Pn Z	04:34:47.4	-1.9		1.9	166.6	43.7	ML 2.3
	e Pg Z	04:34:48.8	-1.5	T				
	e Sg N	04:35:07.8	-1.8	T				
GSH	e Pg Z	04:34:49.5	-3.0	T		179.4	349.8	ML 2.1
	e Sg N	04:35:14.9	1.6	T				
GRFO	e Sg E	04:35:56.2	1.8			323.1	77.6	
GRA1	e Sg N	04:35:55.1	0.7	T		323.3	77.6	
MOX	e Sg N	04:36:10.4	-0.4			380.8	62.3	
WET	e Pn Z	04:35:22.2	-0.4		1.8	439.8	87.8	
	e Sn N	04:36:07.2	0.9					
	e Sg N	04:36:28.5	0.8					
GEC2	e Pn Z	04:35:29.6	-0.6		4.1	502.3	91.3	
	e Sn N	04:36:19.9	0.4					

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/29	19:24:07.9			47.004N	6.180E				5G			7		2.3ML	LDG	NEIC	

A single network solution

SE of Besancon/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z 19:24:45.6	0.7		1.3	218.3	46.7	
	e Sg	N 19:25:10.2	-0.1					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/29	23:47:32.1	+ - 0.83	49.160N	6.820E	10.0	4.4	64	1G		7	5	220	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 23:47:56.7	0.1	T	6.6	144.1	129.3	ML 2.0
	e Sg	E 23:48:13.4	0.1	T				
TNS	e Pn	Z 23:47:58.7	-0.7	T	0.9	166.3	44.1	ML 2.1
	e Sg	E 23:48:20.0	0.4	T				
GSH	e Sg	N 23:48:23.5	0.4	T		178.2	349.9	ML 2.1
BUG	e Sg	N 23:48:45.3	0.2	T		255.6	7.0	ML 2.4
GRFO	e Sg	N 23:49:04.8	0.2	T		323.6	77.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/10/30	12:07:34.1		47.811N	8.004E				5G			18		2.0ML	STR	NEIC	
1997/10/30	12:07:32.3		47.932N	7.900E	9.4	9.4	0	0G		10	9		2.1ML		SED	B?
1997/10/30	12:07:34.4	+ - 0.14	47.817N	7.997E	1.6	1.6	18	0G		13	8	124	2.2ML		LEDBW	BG

Quarry Valentini, Auf der Wacht (Bernau)

Freiburg i. Breisgau/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FELD	i Pg +	12:07:35.7	0.2	T		6.6	4.5	
	i Sg	12:07:36.8	0.5					
KIZ	i Pg +	12:07:37.3	0.1	T		16.6	339.2	ML 1.9
	i Sg	12:07:39.9	0.7	T				
LIBD	e Sg	12:07:49.7	1.8			47.3	321.8	
BBS	i Pg +	12:07:43.7	0.2	T		53.6	223.2	
BFO	e Pg	Z 12:07:45.0	0.1		16.2	62.2	23.3	
	e Sg	N 12:07:51.4	-0.8					
SPAK	i Pg +	12:07:46.0	0.3	T		66.8	61.3	
	i PmP	12:07:48.2	-1.4	T				
GUT	e Pb	12:07:50.3				87.9	70.9	ML 2.2
	e Pg +	12:07:49.4	0.1	T				
	i PmP	12:07:51.0	-1.4	T				
	i SmS	12:08:03.0	-1.8	T				
LBG	i PmP-	12:07:54.1	-1.7			111.2	31.8	ML 2.2
	i SmS	12:08:08.6	-1.9					

BEU	i	Pn	-	12:07:56.4	-1.6	135.3	50.4	ML	2.3
	i	Pg	-	12:07:57.9	0.6				
	e	Sn		12:08:10.0	-4.5				
	e	Sg		12:08:14.7	1.6				
UBR	e	Pn		12:08:00.5	-0.3	158.5	94.7	ML	2.1
	e	Pg		12:08:02.3	1.1				
	e	Sg		12:08:21.7	2.0				
HDH	i	Sg		12:08:28.1	0.9	184.7	61.7	ML	2.3
GRFO	e	Sg	E	12:09:02.8	-1.5	315.0	47.4		

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
OGA	e Pg	1997/10/01	08:14:56.5						
CLL	e Sg	1997/10/01	11:00:57.0						
CLL	e Sg	1997/10/01	13:09:06.0						
MOX	e (Pg)	1997/10/01	18:42:54.3						
CLL	e Sg	1997/10/02	04:28:22.0						
BRG	e Sn	1997/10/02	12:38:04.0						
BRG	e Sg	1997/10/02	19:04:41.6						
CLL	e Sg	1997/10/02	21:43:10.0						
OGA	e Pn	1997/10/03	00:42:33.7						
BRG	e Sn	1997/10/03	06:50:59.5						
BRG	e Sg	1997/10/03	07:35:21.8						
BRG	i Sg	1997/10/03	19:47:45.8						
BRG	e Sg	1997/10/03	21:46:38.9						
BRG	e Sg	1997/10/03	23:18:56.3						
BRG	e Sg	1997/10/04	01:36:17.5						
BRG	e Sg	1997/10/04	02:24:05.0						
BRG	i Sg	1997/10/04	22:20:12.3						
BRG	e Pg	1997/10/05	02:51:45.1						
BRG	e Sg	1997/10/05	02:52:23.7						
CLL	e (Sg)	1997/10/05	10:01:43.0						
BRG	e Sg	1997/10/05	14:32:35.4						
BRG	e Sg	1997/10/05	17:32:20.4						

BRG	e	Sg	1997/10/05	18:55:11.7
BRG	e	Pg	1997/10/05	23:23:51.8
BRG	e	Sg	1997/10/05	23:24:36.0
TNS	i	Pg -	1997/10/06	07:00:29.9
TNS	e	Sg +	1997/10/06	07:00:47.4
CLL	e	Sg	1997/10/06	10:08:23.0
CLL	e	Sg	1997/10/06	15:50:03.0
BRG	e	Sn	1997/10/06	16:52:04.8
HOF	i	Pn +	1997/10/06	21:18:18.5
BRG	e	Sg	1997/10/07	00:00:59.0
CLL	e	Sg	1997/10/07	00:01:06.0
MOX	i	Pg	1997/10/07	06:44:59.6
MOX	i	Sg	1997/10/07	06:45:11.0
CLL	e	Sg	1997/10/08	10:54:03.0
MOX	e	(Pg)	1997/10/08	18:23:29.7
MOX	i	Sg	1997/10/08	18:24:08.2
CLL	e	Sg	1997/10/09	05:08:06.0
CLL	e	(Sg)	1997/10/09	05:09:17.0
OGA	i	Pg +	1997/10/09	06:57:06.6
MOX	e	Pg	1997/10/09	19:11:28.5
MOX	i	Sg	1997/10/09	19:12:08.8
OGA	i	Pg +	1997/10/10	03:54:20.7
MOX	e	(Pg)	1997/10/10	17:20:33.0
MOX	i	Sg	1997/10/10	17:21:13.0

SCE	i	Pg -	1997/10/10	22:16:52.0
CLL	e	Sg	1997/10/13	11:26:16.0
HOF	e	Pn	1997/10/13	14:43:17.6
CLL	e	(Sg)	1997/10/14	06:58:20.0
CLL	e	Sg	1997/10/14	10:54:28.0
BRG	e	Sg	1997/10/14	10:54:18.8
CLL	e	Sg	1997/10/14	11:34:29.0
CLL	e	(Sg)	1997/10/14	13:38:45.0
CLL	e	(Sg)	1997/10/14	16:06:21.0
BRG	i	Sg	1997/10/16	07:21:23.0
BRG	e	Sg	1997/10/16	14:26:32.6
CLL	e	Sg	1997/10/16	16:34:59.0
CLL	e	(Sn)	1997/10/19	00:03:03.0
CLL	e	(Sg)	1997/10/19	00:04:21.0
BRG	e	Sg	1997/10/23	18:45:50.1
BRG	e	Sg	1997/10/24	13:16:42.4
CLL	e	Sg	1997/10/24	13:17:09.0
CLL	e	Sg	1997/10/27	16:59:38.0
BRG	e	Sg	1997/10/27	16:59:07.1
CLL	e	(Sg)	1997/10/28	14:52:58.0
BRG	e	Sg	1997/10/28	14:53:14.7
BRG	e	Sg	1997/10/28	19:32:10.9
BRG	e	Pg	1997/10/28	21:15:39.9
BRG	e	Sg	1997/10/28	21:16:17.9

BRG	i	Sg	1997/10/30	06:18:11.4
BRG	e	Pg	1997/10/30	07:46:57.7
BRG	e	Sg	1997/10/30	07:47:39.5
BRG	e	Sg	1997/10/31	04:03:41.8
BRG	e	Sg	1997/10/31	08:12:10.3
SCE	e	Pg	1997/10/31	11:32:35.4
SCE	i	Pg -	1997/10/31	11:33:03.8
SCE	i	Pg -	1997/10/31	16:15:57.1
BRG	e	Sg	1997/10/31	20:39:40.6