

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/05	10:19:25.7		47.896N	7.951E				0G		12	8		2.0ML		SED	B?
1997/05/05	10:19:27.1	+- 0.16	47.813N	7.989E	2.6	1.3	134	0G		18	9	121	2.1ML		LEDBW	BG

Quarry Valentini, Auf der Wacht (Bernau)

Freiburg i. Breisgau/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KIZ	i Pg +	10:19:30.0	0.0	T		16.8	341.7	ML 1.8
	i Sg	10:19:32.6	0.7	T				
END	i Pg +	10:19:30.9	0.1	T		21.7	240.0	
	i Sg	10:19:34.0	0.6	T				
BAW	i Pg +	10:19:31.2	0.1	T		23.4	266.4	
HEX	i Pg +	10:19:31.6	0.0	T		26.0	27.3	
	i Sg	10:19:35.0	0.4	T				
WYH	i Pg -	10:19:33.3	0.1	T		36.2	216.5	
	e Sg	10:19:38.2	0.7	T				
SGW	e Pg	10:19:43.8	0.2	T		97.0	69.9	ML 2.4
	e PmP+	10:19:44.3	-2.1	T				
	e Sg	10:19:56.8	1.9	T				
	e SmS	10:19:58.0	-1.7	T				
BEU	i Pn -	10:19:49.1	-1.7	T		136.1	50.4	ML 2.2
	i Pg -	10:19:50.7	0.5	T				
	e Sg	10:20:07.7	1.7	T				
UBR	e Pg	10:19:55.1	1.0	T		159.1	94.5	ML 2.0
	e Sg	10:20:14.4	1.8	T				
HDH	e Sg	10:20:20.8	0.7	T		185.4	61.6	ML 2.1

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/13	23:47:27.0		49.344N	7.088E				5G			7		2.6ML	UCC	NEIC	I
Mining induced event in the Lorraine region, France, Less reliable solution																
1997/05/13	23:47:22.8		49.543N	6.515E	162.8	162.8	0	10	+- 202	8	7		2.9ML		SED	
1997/05/13	23:47:26.1	+- 0.86	49.100N	6.700E	13.3	6.7	68	0G		5	3	227	2.5ML	TNS	BGR	I?
1997/05/13	23:47:27.5	+- 0.62	49.160N	6.770E	7.8	4.4	62	1G		12	8	222	2.6ML		SZGRF	L
1997/05/13	23:47:26.5	+- 0.60	49.120N	6.730E	6.0	4.0	91	1G		24	15	202	2.5ML		LEDBW	I

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg	23:47:38.2	0.1	T		68.9	20.1	
ABH	e Pg	23:47:44.2	0.2	T		103.2	34.6	
LIBD	e Pg -	23:47:48.9	1.2	T		125.4	148.9	
BFO	e Pn Z	23:47:50.4	-0.9	T	36.0	146.6	126.2	ML 2.3
	e Pg -	23:47:51.4	0.1	T				
	e Sg	23:48:08.9	0.6	T				
KIZ	e Pg +	23:47:52.8	-0.2	T		156.2	145.5	ML 2.4
	e Sn	23:48:08.3	-2.5	T				
	i Sg	23:48:11.7	0.6	T				

LBG	e	Pg		23:47:53.2	-0.3	T		159.2	107.8	ML	2.7
	i	Sg		23:48:12.5	0.5	T					
HEX	e	Pg +		23:47:53.5	-0.3	T		160.8	138.9		
	e	Sg		23:48:12.8	0.4	T					
BAW	e	Pg +		23:47:54.2	0.1	T		162.6	154.2		
FELD	e	Pg +		23:47:54.8	-0.1	T		167.1	145.4		
	e	Sg		23:48:14.7	0.5	T					
TNS	e	Pn	Z	23:47:54.0	-0.7			174.0	44.6	ML	2.4
	e	Sg	N	23:48:14.9	-1.3						
GSH	e	Pn	Z	23:47:55.1	-0.5			181.6	352.1	ML	2.3
	e	Pg	Z	23:47:57.5	0.2						
	e	Sg	N	23:48:19.6	1.2						
BBS	e	Pn +		23:47:59.7	2.8			192.9	162.3		
	e	Pg		23:48:01.6	2.4						
BEU	e	Pg -		23:48:01.1	-0.2	T		205.3	105.9	ML	2.6
	e	Sg		23:48:24.2	-1.0	T					
SGW	e	Sg		23:48:27.1	-0.7	T		214.6	120.7	ML	2.5
HOL	e	Pg		23:48:03.6	-1.1	T		225.4	81.7	ML	2.5
	e	Sg		23:48:29.8	-1.1	T					
BUG	e	Sg	N	23:48:40.1	-0.9			260.9	8.2	ML	2.6
HDH	e	Sg		23:48:40.0	-1.2			261.2	101.9	ML	2.3
UBR	e	Sg		23:48:52.9	1.8			296.3	121.4	ML	2.5
GRA1	e	Sg	E	23:49:01.0	-0.1			331.1	77.2	ML	2.9
FUR	e	Pn	Z	23:48:18.0	1.9			350.4	106.0	ML	3.1
	e	Sg	N	23:49:09.1	2.5						
MOX	e	Sg	N	23:49:17.7	0.1			388.8	62.3	ML	2.7
CLZ	e	Sg	N	23:49:20.3	0.2			397.4	39.0	ML	2.8
CLL	e	Sg		23:49:59.0	7.3			508.1	59.0		
BRG	e	Sg		23:50:09.5	5.6			550.9	66.5		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/15	17:29:34.5	+-	1.24	54.690N	12.730E	17.8	7.8	13			9	5	285	2.9ML		SZGRF	L?

Baltic Sea, N of Zingst

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BSEG	e	Pg	Z	17:30:03.3	-1.3	T	177.6	242.8	ML 2.8
	e	Sg	E	17:30:24.7	-0.6	T			
CLZ	e	Pn	Z	17:30:26.0	1.4	T	353.3	207.3	ML 2.9
	e	Sn	E	17:31:05.7	5.0	T			
CLL	e	Pn	Z	17:30:28.7	1.2	T	376.5	177.1	
	e	Sn	E	17:31:08.1	2.4	T			
BRG	e	Pn	Z	17:30:35.0	0.7	T	432.1	168.6	ML 2.9
	e	Sn	E	17:31:20.8	3.4	T			
MOX	e	Pn	Z	17:30:38.3	1.2	T	456.0	189.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/20	21:19:47.4	+- 0.84	51.590N	15.450E	20.0	11.1	169	1G		12	5	314	2.3ML		SZGRF	B
1997/05/20	21:19:51.5	+- 2.21	51.470N	15.080E	40.0	21.1	52	0G		6	6	295	2.1ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 401, 900kg)

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z	21:20:08.9	-2.2			103.4	230.5	ML 2.1
	e Pg	Z	21:20:08.8	-0.2	T	102.9			
	e Sg	E	21:20:24.6	3.6					
CLL	e Pn	Z	21:20:15.5	-0.8	T	31.9	145.3	263.7	ML 2.1
	e Pg	Z	21:20:16.0	-0.1					
	e Sg	E	21:20:36.1	3.1					
MOX	e Pn	Z	21:20:31.0	0.8	T	13.1	258.9	250.6	ML 2.2
	e Pg	Z	21:20:35.4	0.0					
	e Sg	N	21:21:09.7	4.2					
WET	e Pn	Z	21:20:34.9	-0.5	T	6.3	302.2	212.0	
GEC2	e Pn	Z	21:20:36.1	0.0	T	10.3	307.9	199.1	
GRA1	e Pn	Z	21:20:39.5	-0.0			336.5	235.5	
	e Pg	Z	21:20:48.3	-0.2					
GRFO	e (Pn)	Z	21:20:39.7	0.1	T	2.1	336.7	235.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/20	22:35:00.1	+- 1.17	52.720N	15.720E	35.6	17.8	132	1G		6	4	335	2.2ML		SZGRF	B
1997/05/20	22:35:00.5	+- 1.36	52.790N	15.570E	35.6	14.5	147	0G		5	4	327	2.2ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 912, 1000kg)

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	22:35:40.9	-0.4	T	14.9	240.7	208.3	ML 2.1
	e Sg	N	22:36:07.9	-1.4					
CLL	e Pn	Z	22:35:37.2	0.3	T	6.9	240.8	227.8	ML 2.2
	e Pg	Z	22:35:40.9	-0.4					
	e Sg	N	22:36:09.5	0.2	T	1.7			
MOX	e Pn	Z	22:35:51.2	-0.6	T	4.2	362.0	230.4	
WET	e Pn	Z	22:36:01.5	-0.6			447.0	206.0	
GEC2	e Pn	Z	22:36:03.4	0.0	T	7.3	457.8	197.4	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/20	22:49:48.4	+- 0.95	51.690N	15.750E	21.1	11.1	164	1G		9	4	318	2.3ML		SZGRF	B
1997/05/20	22:49:48.6	+- 1.24	51.760N	15.690E	30.0	10.0	177	0G		6	4	308	2.1ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 402, 300kg)

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z	22:50:13.9	-0.8	T	57.7	156.4	231.6	ML 2.1
	e Pg	Z	22:50:14.4	-0.7					
	e Sg	N	22:50:32.8	-0.6					
CLL	e Pn	Z	22:50:18.9	-0.3	T	15.2	192.5	255.9	ML 2.1
	e Pg	Z	22:50:20.5	-0.8					
	e Sg	N	22:50:44.0	0.3					
MOX	e Pn	Z	22:50:34.0	0.5	T	11.4	309.7	248.0	ML 2.4
	e Pg	Z	22:50:40.5	-0.6					
	e Sg	N	22:51:17.3	0.1					
WET	e Pn	Z	22:50:38.2	-0.4			352.4	215.5	
GEC2	e Pn	Z	22:50:39.0	0.2	T	4.6	353.5	204.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/20	23:35:01.0	+ - 0.97	52.600N	15.350E	24.5	13.3	134	1G		9	3	335			SZGRF	B
1997/05/20	23:34:60.0	+ - 1.31	52.670N	15.320E	31.1	13.3	149	0G		6	4	325	2.2ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 202, 1000kg)

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Pn	Z	23:35:34.1	0.3	T	9.1	219.3	227.2	ML 2.2
	e Pg	Z	23:35:37.1	-0.1					
	e Sg	N	23:36:02.9	0.3					
BRG	e Pn	Z	23:35:33.6	-0.4	T	20.4	221.1	205.9	
	e Pg	Z	23:35:37.1	-0.3					
	e Sg	N	23:36:02.0	-1.1					
MOX	e Pn	Z	23:35:48.1	-0.4	T	3.7	340.5	230.1	
	e Pg	Z	23:35:57.4	-0.3					
	e Sg	N	23:36:36.7	-0.6					
GEC2	e Pn	Z	23:36:01.1	0.3	T	3.1	440.2	195.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/21	00:50:01.2	+ - 2.62	52.830N	15.250E	41.1	31.1	12	0G		5	4	327	1.8ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 103, 300kg); very weak S, Ml possibly biased

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Pg	Z	00:50:39.9	-0.1	T	3.6	228.6	223.1	ML 1.8
BRG	e Pn	Z	00:50:36.8	-0.2	T	3.8	235.4	202.9	
	e Pg	Z	00:50:41.1	-0.0	T	2.6			
MOX	e Pn	Z	00:50:50.7	-0.1	T	2.5	348.7	227.3	

GEC2 e Pn Z 00:51:03.6 -0.3 T 2.2 456.2 194.4

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/21	20:05:01.6	+ - 0.90	51.200N	13.300E	14.5	6.7	60	0G		7	3	247	1.5ML		SZGRF	B
1997/05/21	20:05:01.8	+ - 0.51	51.180N	13.250E	7.8	4.4	56	0G		9	5	175	1.4ML	MOX	BGR	B

explosion "Polonaise" (Shotpoint 427, 300kg)

Doebeln, W of Dresden

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Pg Z	20:05:05.5	-0.1	T	40.8	22.3	309.6	ML 0.8
	e Sg N	20:05:08.0	-0.2	T	41.4			
BRG	e (Pg) Z	20:05:12.6	0.7	T	3.9	59.3	124.9	
	e Sg	20:05:19.7	0.9					
MOX	e Pn Z	20:05:23.9	-0.7	T	11.6	129.1	243.2	ML 1.4
	e Pg Z	20:05:23.7	0.0					
	e Sg E	20:05:39.8	1.0	T	4.3			
WET	e Pn Z	20:05:36.4	-0.3	T	3.5	227.9	186.8	
	e Pg Z	20:05:40.4	-0.0					
	e Sg E	20:06:06.7	-0.3	T	3.8			
GEC2	e Pn Z	20:05:41.2	0.4	T	2.8	261.6	172.7	
	e Sg E	20:06:16.1	-0.5	T	3.4			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/21	21:19:48.8	+ - 0.87	51.820N	16.420E	16.7	11.1	151	0G		11	4	323	2.3ML		SZGRF	B
1997/05/21	21:19:50.4	+ - 0.97	51.890N	16.190E	16.7	11.1	114	0G		8	5	313	2.1ML	BRG	BGR	B

explosion "Polonaise" (Shotpoint 404, 900kg)

Poland

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	21:20:21.4	0.4	T	16.4	192.6	234.9	ML 2.1
	e Pg Z	21:20:22.9	-0.2					
	e Sg N	21:20:46.4	0.9	T	2.7			
CLL	e Pn Z	21:20:24.6	-0.9	T	10.9	229.4	254.9	ML 2.3
	e Pg Z	21:20:28.5	-0.9					
	e Sg N	21:20:58.4	2.5					
MOX	e Pn Z	21:20:39.9	0.1	T	1.9	347.0	248.3	ML 2.5
	e Pg Z	21:20:48.9	-0.4	T	3.9			
	e Sg N	21:21:31.2	1.6					
GEC2	e Pn Z	21:20:44.4	0.3	T	5.9	381.7	208.5	
	e Sg E	21:21:39.0	-0.5	T	2.2			
WET	e Pn Z	21:20:44.7	0.3	T	2.3	384.7	218.8	
	e Sg E	21:21:39.7	-0.6					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/21	22:04:59.0	+- 1.11	52.080N	17.230E	31.1	13.3	131	0G		8	4	329	2.3ML		SZGRF	B
1997/05/21	22:05:03.2	+- 2.43	52.180N	16.690E	38.9	22.2	30	0G		7	5	320	2.1ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 914, 1000kg), very weak S; Ml possibly biased.

Poland

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 22:05:39.7	0.2	T	14.0	239.2	233.7	ML 2.2
	e Pg	Z 22:05:43.5	-0.2	T	8.1			
	e Sg	N 22:06:14.0	2.4					
CLL	e Pn	Z 22:05:43.2	-0.2	T	5.5	271.7	250.5	ML 2.1
	e Pg	Z 22:05:49.8	0.6	T	1.7			
MOX	e Pn	Z 22:05:57.7	-0.3	T	5.3	391.0	246.1	
	i Sg	22:06:10.3	-44.6					
GEC2	e Pn	Z 22:06:02.0	-0.3	T	2.9	426.7	210.8	
WET	e Pn	Z 22:06:03.2	0.3	T	2.1	431.3	220.0	
	e Sg	N 22:07:07.1	0.6					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/21	23:05:00.5	+- 1.70	52.950N	15.000E	52.3	14.5	95	0G		5	3	334	2.2ML	BRG	BGR	B

explosion "Polonaise" (Shotpoint 102, 1000kg); Ml probably biased.

Mysliburg/Poland, NE of Kostrzyn (Kuestrin)

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Pn	Z 23:05:35.3	0.0	T	3.0	227.9	217.5	
BRG	e Pn	Z 23:05:37.0	-0.1	T	3.7	242.0	197.9	ML 2.2
	e Pg	Z 23:05:41.4	-0.1	T	3.0			
MOX	e (Sg)	E 23:06:09.6	0.0	T	1.7			
	e Pn	Z 23:05:49.6	-0.2	T	4.7	346.1	223.6	
	i (Sg)	23:06:01.0	-38.4					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/22	00:34:59.1	+- 1.12	51.910N	17.780E	47.8	14.5	158	0G		5	4	329	2.3ML	BRG	BGR	B

explosion "Polonaise" (Shotpoint 109, 1000kg)

Poland

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 00:35:41.8	0.3	T	5.7	290.1	248.1	ML 2.3
	e Sg	N 00:36:22.1	0.1	T	1.8			
CLL	e Pn	Z 00:35:46.7	-0.5	T	4.1	336.6	260.4	
MOX	e Pn	Z 00:36:01.3	0.2	T	3.1	451.1	254.3	
	e Sg	00:36:14.7	-53.3					

WET e Pn Z 00:36:02.2 -0.4 T 6.4 463.1 230.3

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/24	22:26:54.9		48.957N	9.625E				10G			9		2.9ML	VIE	NEIC	
1997/05/24	22:26:58.7	+- 0.20	48.798N	9.527E	10.9	5.3	119	15	+- 0.0	25	14		2.9ML		LDG	L
1997/05/24	22:26:52.7		48.992N	9.531E				1		14	9		2.7ML		SED	
1997/05/24	22:26:55.1	+- 0.29	48.880N	9.760E	3.3	2.2	161	0	+- 0.0	22	9	115	2.4ML	BFO	BGR	L
1997/05/24	22:26:55.5	+- 0.30	48.930N	9.740E	5.6	4.4	154	10G		19	8	111	2.6ML		SZGRF	L
1997/05/24	22:26:55.9	+- 0.12	48.855N	9.752E	1.4	1.2	85	8	+- 1.6	28	11	127	2.5ML		LEDBW	L

N of Schwaebisch Gmuend

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BEU	i Pg -	22:27:02.7	0.0	T		39.0	219.4	ML 2.5
	i Sg	22:27:07.7	0.4	T				
HDH	i Pg +	22:27:03.8	0.1	T		44.9	131.9	ML 2.5
	i Sg	22:27:09.3	0.4	T				
HOL	i Pg -	22:27:05.6	-0.2	T		57.5	4.3	ML 2.2
	i Sg	22:27:12.9	0.4	T				
LBG	e Pg +	22:27:08.2	-0.2	T		73.3	253.5	ML 2.7
	i PmP	22:27:09.5	-1.6	T				
	e Sg	22:27:16.7	-0.2	T				
	e SmS	22:27:19.0	-2.6	T				
HSN	e Pg -	22:27:08.6	0.2	T		73.7	214.0	
	i PmP+	22:27:10.1	-1.1	T				
	i Sg	22:27:17.8	0.7	T				
	e SmS	22:27:20.5	-1.2	T				
JUN	e Pg +	22:27:09.3	0.0	T		78.3	222.1	
	e S?	22:27:18.7		T				
BHB	e Pg -	22:27:10.8	0.1	T		87.2	219.4	
	e Sg	22:27:21.5	0.6	T				
SGW	e Pg -	22:27:11.5	-0.1	T		92.1	205.6	ML 2.5
	e Sg	22:27:22.9	0.6	T				
HEI	e Pg -	22:27:12.7	0.5	T		96.0	309.4	
	e Sg	22:27:24.0	0.6	T				
BFO	e Pg Z	22:27:16.1	-0.1			119.8	241.4	ML 2.4
	e Sg N	22:27:30.0	-0.2					
KTD	i Pg	22:27:18.9	0.5	T		132.0	293.7	
	i Sg	22:27:34.8	1.1	T				
UBR	e Px	22:27:18.6				133.2	168.5	ML 2.6
	i Pn -	22:27:17.7	-0.6	T				
	e Pg -	22:27:19.0	0.5	T				
	i Sn	22:27:33.5	-0.6	T				
	e Sg	22:27:35.1	1.1	T				
FUR	i Pn -	22:27:19.0	0.4			136.1	123.9	ML 2.8
	e Pg Z	22:27:19.5	0.5					
	e Sg N	22:27:35.6	0.8					

GRFO	e	Pg	Z	22:27:19.2	-0.7		6.6	141.4	48.3	ML	2.3
	e	Sg	N	22:27:34.7	-1.7	84.1					
GRA1	e	Pg	Z	22:27:20.1	0.2			141.5	48.3	ML	2.5
	e	Sn	N	22:27:34.0	-1.9						
	e	Sg	N	22:27:36.1	-0.3						
HEX	e	Pn	+	22:27:18.6	-1.8			150.2	232.5		
	i	Pg	-	22:27:21.4	0.0						
	i	Sg		22:27:38.7	-0.2						
KIZ	i	Pn	-	22:27:20.7	-1.9			168.3	234.2	ML	2.7
	i	Pg	-	22:27:24.3	-0.1						
	i	Sn		22:27:40.2	-1.3						
	e	Sg		22:27:43.5	-0.5						
FELD	i	Pg	-	22:27:24.5	0.0			168.9	230.5		
	i	Sg		22:27:43.9	-0.3						
TNS	e	Pn	Z	22:27:24.4	0.6	1.2		178.8	328.7	ML	2.3
	e	Sn	N	22:27:41.9	-1.8						
	e	Sg	N	22:27:46.9	-0.1						
BAW	e	Pn		22:27:23.5	-2.1			193.2	233.4		
	e	Pg		22:27:28.5	-0.1						
	i	Sg		22:27:49.7	-1.4						
END	e	Sg		22:27:52.0	0.2			195.6	230.4		
ABH	i	Pn	+	22:27:25.8	-0.2			196.2	306.4		
	i	Pg		22:27:29.2	0.0						
BBS	i	Pg	-	22:27:34.7	0.3			227.1	227.9		
	i	Sg		22:28:01.2	0.3						
WET	e	Pn	Z	22:27:30.4	0.2			230.3	80.8	ML	2.4
	e	Pg	Z	22:27:34.3	-0.6						
	e	Sg	N	22:28:01.1	-0.6						
MOX	e	Pn	Z	22:27:30.2	-1.1	2.8		239.8	33.2	ML	2.4
	e	Pg	Z	22:27:30.2	-6.3						
	e	Sn	N	22:27:56.4	-0.2						
	e	Sg	N	22:28:02.7	-1.7						
GEC2	e	Pn	Z	22:27:37.7	0.5		4.3	288.9	88.7		
	e	Pg	Z	22:27:44.3	-0.6		19.7				
	e	Sg	Z	22:28:17.8	-0.7		22.5				
CLL	e	Pn	Z	22:27:44.6	-1.1			357.9	39.1	ML	2.9
	e	Pg	Z	22:27:51.3	-5.2						
	e	Sg	N	22:28:36.3	-1.9						
BRG	e	Pg	Z	22:27:58.7	-0.8	2.1		374.8	51.6	ML	2.8
	e	Sg	N	22:28:41.4	-1.6						

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/25	11:07:39.2	+- 0.20	50.574N	6.434E	7.5	5.8	44	2	+- 0.0	21	9		2.8ML		LDG	L
1997/05/25	11:07:37.5		50.480N	6.444E				5G			11		2.4ML	UCC	NEIC	
1997/05/25	11:07:38.6	+- 1.31	50.760N	6.360E	25.6	4.4	96	5G		6	3	233	2.3ML		SZGRF	L
1997/05/25	11:07:37.6	+- 0.37	50.670N	6.550E	5.6	4.4	46	0G		11	6	148	2.2ML	BUG	BGR	B?

Zuelpich, SE of Dueren

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GSH	e Pg	Z	11:07:39.2	-0.8	T	66.5	14.3	301.5	ML 1.8
	e Sg	N	11:07:41.1	-0.5	T	303.5			
BUG	e Pg	Z	11:07:54.6	0.2	T	6.3	99.3	30.1	ML 2.2
	e Sg	E	11:08:06.8	0.9	T	26.9			
TNS	e Pn	-	11:08:02.4	0.3			143.3	109.6	ML 2.0
	e Pg	Z	11:08:02.4	0.5	T	10.4			
	e Sg	E	11:08:19.1	0.6	T	10.6			
IBBN	e Pn	Z	11:08:09.9	0.8	T	0.9	200.3	24.2	ML 2.5
	e Pg	Z	11:08:10.8	-0.7					
	e Sg	N	11:08:34.1	-0.7	T	10.4			
BFO	e Pn	Z	11:08:21.6	1.6	T	1.0	290.2	153.0	
	e Sg	N	11:08:59.7	-0.8	T	2.4			
MOX	e Sg	N	11:09:18.4	-1.2	T	2.1	357.0	88.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/26	23:05:02.4	+- 1.54	53.720N	18.270E	56.7	18.9	142	0G		6	3	348	2.9ML		SZGRF	B
1997/05/26	23:05:01.3	+- 1.19	54.020N	18.270E	25.6	14.5	136	0G		10	6	337	3.1ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 306, 1000kg)

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z	23:06:02.9	-1.2	T	6.3	456.4	221.7	ML 2.7
	e Sn	N	23:06:48.8	-0.5	T	5.6			
CLL	e Pn	Z	23:06:04.8	-0.3	T	12.8	465.8	231.8	ML 3.1
	e Sn	N	23:06:51.4	0.1	T	6.7			
MOX	e Pn	Z	23:06:19.2	-0.7	T	6.2	587.2	233.0	ML 2.9
	e Sn	E	23:07:16.8	-0.1	T	3.3			
GEC2	e Pn	Z	23:06:28.5	0.1	T	2.0	656.5	210.6	
	e Sn	E	23:07:31.0	-0.6	T	2.6			
WET	e Pn	Z	23:06:28.9	0.4	T	2.0	657.4	216.6	
GRFO	e Pn	Z	23:06:32.1	0.6	T	2.1	682.1	228.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/26	23:34:59.9	+- 1.48	53.530N	19.490E	33.4	16.7	170	0G		8	5	324	3.0ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 308, 800kg)

Poland

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRNL	e Sn	N	23:36:42.3	0.3	T	1.1	428.3	255.8	
BRG	e Pn	Z	23:36:05.3	-0.2	T	4.3	479.5	234.2	
	e Pg		23:36:05.2	-16.0					
	e Sn	E	23:36:52.2	-0.6	T	1.7			
	e Sg		23:36:53.6	-23.3					

CLL	e	Pn	Z	23:36:07.8	-0.7	T	6.6	504.3	243.3	ML	3.0
	e	Sn	E	23:36:56.9	-1.2	T	4.6				
MOX	e	Pn	Z	23:36:23.1	-0.2	T	2.5	625.9	242.3	ML	2.9
	e	Sn	E	23:37:24.5	0.8	T	1.9				
GEC2	e	Pn	Z	23:36:27.6	0.3	T	1.4	658.4	220.0		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/27	08:58:07.4	+-	1.22	51.340N	10.490E	16.7	6.7	159	35	+22.9	5	4	220	2.0ML		SZGRF	I
1997/05/27	08:58:05.9	+-	0.90	51.390N	10.440E	8.9	4.4	158	0G		7	5	224	2.1ML	CLL	BGR	I?

Muehlhausen, Bleicherode

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg	Z 08:58:26.3	0.6	T	1.5	116.7	134.8	ML 1.8
	e Sg	E 08:58:39.3	0.0	T	7.2			
CLL	e Pg	Z 08:58:36.2	0.1	T	1.1	178.2	91.9	ML 2.1
	e Sg	E 08:58:56.7	-0.1	T	3.8			
TNS	e Sg	E 08:59:00.5	0.1	T	2.7	190.9	227.9	ML 2.0
GRFO	e Sg	N 08:59:01.7	-0.4	T	7.6	196.8	163.4	ML 2.3
GEC2	e Sg	N 08:59:51.3	0.7	T	1.5	366.2	139.3	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/27	22:05:00.6	+-	1.19	54.090N	17.580E	17.8	14.5	131	0G		10	5	326	2.9ML		SZGRF	B
1997/05/27	22:05:00.1	+-	1.13	54.280N	17.630E	21.1	15.6	141	0G		11	6	322	3.1ML	CLL	BGR	B

explosion "Polonaise" (Shotpoint 303, 1000kg)

Poland

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 22:06:01.3	-1.1	T	8.4	453.3	214.8	ML 2.7
	e Sn	N 22:06:46.3	-1.2	T	6.6			
CLL	e Pn	Z 22:06:02.0	-0.5	T	4.9	453.7	225.1	ML 3.1
	e Sn	E 22:06:46.8	-0.8	T	10.6			
CLZ	e Pn	Z 22:06:15.2	0.3	T	4.1	555.2	243.7	
	e Sn	E 22:07:09.7	0.6	T	2.4			
MOX	e Pn	Z 22:06:16.1	-1.1	T	6.7	573.6	227.6	ML 3.0
	e Sn	N 22:07:11.6	-1.3	T	3.6			
WET	e Pn	Z 22:06:27.7	0.3	T	1.8	657.9	211.7	
	e Sn	E 22:07:31.7	1.0	T	4.2			
GEC2	e Pn	Z 22:06:28.2	0.3	T	2.0	662.3	205.8	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/28	10:46:27.9	+-	0.32	50.110N	12.200E	4.4	2.2	68	0G		13	6	170	2.1ML	CLL	BGR	L?

Selb/Fichtelgebirge, SE of Hof, German-Czech border region

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg	Z	10:46:40.5	0.3	T	3.3	72.5	325.3	ML 1.5
	e Sg	E	10:46:49.4	0.8	T	12.0			
WET	e Pg	Z	10:46:48.0	0.1	T	2.0	118.0	155.3	ML 1.7
	e Sg	E	10:47:01.9	0.3	T	7.2			
CLL	e Pg	Z	10:46:52.0	-0.4	T	3.2	144.7	22.7	ML 2.1
	e Sg	E	10:47:10.0	0.8	T	4.8			
BRG	e Pg	Z	10:46:53.2	-0.0	T	5.6	149.7	54.8	ML 1.9
	e Sg	N	10:47:10.4	-0.2	T	7.1			
GEC2	e Pn	Z	10:46:56.4	-0.2	T	1.4	177.6	141.8	
	e Pg	Z	10:46:57.5	-0.5	T	4.1			
	e Sg	N	10:47:18.9	0.3	T	4.6			
CLZ	e Pg	Z	10:47:07.5	0.4	T	1.7	231.2	327.1	ML 2.2
	e Sg	N	10:47:32.8	-1.1	T	4.0			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1997/05/31	01:17:24.1	+- 0.65	51.500N	6.840E	8.9	5.6	105	1G		8	5	193	2.0ML		SZGRF	I
1997/05/31	01:17:22.9	+- 0.53	51.610N	6.820E	6.7	4.4	124	0G		11	6	201	1.9ML	GSH	BGR	I?
1997/05/31	01:17:20.9		51.564N	6.737E				1G					1.7ML		RUB	I

Duisburg, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg	- Z	01:17:28.7	1.1	TA		39.3	110.2	ML 1.7
	e Sg	E	01:17:33.7	1.6		9.9			
GSH	e Pg	Z	01:17:39.6	2.5		7.6	95.3	195.4	ML 1.9
	e Sg	E	01:17:52.9	4.8		3.7			
IBBN	e Pn	Z	01:17:42.1	1.0		3.8	108.3	39.8	ML 2.1
	e Pg	Z	01:17:40.6	1.4		2.1			
	e Sg	E	01:17:55.2	3.4		2.8			
TNS	e Pn	Z	01:17:53.5	2.3		2.0	191.4	140.5	ML 2.1
	e Pg	Z	01:17:54.3	0.9		4.9			
	e Sn	N	01:18:14.6	1.9					
	e Sg	N	01:18:14.6	-1.0					
CLZ	e Pn	Z	01:17:59.8	1.2		0.8	252.4	81.5	ML 2.2
	e Sg	E	01:18:32.7	-0.3		3.4			
MOX	e Sg	N	01:19:03.5	1.0		2.9	355.5	104.8	ML 2.4

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e (Sg)	1997/05/02	20:29:31.0						
CLL	e (Sg)	1997/05/04	21:47:25.0						
TNS	i Pn -	1997/05/14	10:15:28.9						
TNS	e Sg	1997/05/14	10:15:44.9						
CLL	e Sg	1997/05/15	17:00:16.0						
MOX	i Pg	1997/05/18	15:23:59.0						
MOX	i Sg	1997/05/18	15:24:14.1						
MOX	e Pg	1997/05/18	15:28:04.5						
MOX	i Sg	1997/05/18	15:28:19.7						
MOX	i Pg	1997/05/18	15:31:51.3						
MOX	i Sg	1997/05/18	15:32:09.9						
MOX	i Pg	1997/05/18	15:41:11.8						
MOX	i Sg	1997/05/18	15:41:25.1						
MOX	e Pg	1997/05/18	15:50:51.4						
MOX	e Sg	1997/05/18	15:51:04.2						
BRG	e Sg	1997/05/21	06:11:31.0						
CLL	e Sg	1997/05/21	09:06:56.0						
BRG	i Pg	1997/05/21	20:23:06.0						
BRG	i Pn	1997/05/21	21:35:45.3						
TNS	e Pg +	1997/05/22	12:01:02.4						
TNS	e Sg -	1997/05/22	12:01:17.8						
CLL	e Sg	1997/05/26	07:59:53.0						

CLL	e	Sg	1997/05/26	16:38:43.0
CLL	e	(Sg)	1997/05/27	22:36:56.0
CLL	e	Sg	1997/05/28	02:19:20.0
CLL	e	Sg	1997/05/28	02:19:20.0
CLL	e	Sg	1997/05/28	02:54:28.0
OGA	e	Pg	1997/05/28	09:06:43.6
OGA	i	Pg +	1997/05/28	09:07:19.9
OGA	e	Pn	1997/05/28	10:12:37.5
OGA	e	Pg	1997/05/28	10:13:45.4
CLL	e	Sg	1997/05/30	10:02:52.0
CLL	e	Sg	1997/05/30	14:30:30.0
MOX	e	Pg	1997/05/30	21:46:53.4
MOX	i	Sg	1997/05/30	21:47:32.7
MOX	e	Sg	1997/05/31	07:47:19.4
OGA	i	Pg -	1997/05/31	15:08:26.4
OGA	i	Pg -	1997/05/31	16:30:39.9
CLL	e	Pg	1997/05/31	17:52:23.0
CLL	e	Sg	1997/05/31	17:53:37.0
OGA	i	Pg -	1997/05/31	20:22:14.6
OGA	i	Pg -	1997/05/31	23:11:11.3

ML 2.9