

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
 1999/12/04 04:03: 2.1 +- 0.73 51.530N 16.120E 7.8 6.7 143 1G 14 7 304 4.1ML SZGRF I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg Z	04:03:30.4	-0.3	T		168.3	245.1	ML 3.6
	e Sg E	04:03:50.1	-0.1	T				
MOX	e Pn Z	04:03:50.2	1.0	T		329.6	254.4	ML 4.1
	e Sg N	04:04:37.4	1.1	T				
WET	e Pn Z	04:03:52.5	0.7	T		351.1	222.2	ML 3.8
	e Sg N	04:04:42.5	0.0	T				
CLZ	e Pn Z	04:03:59.3	1.8	T		397.6	277.2	ML 4.0
	e Sg E	04:04:55.4	-0.3	T				
GRA1	e Pn Z	04:03:59.0	1.0	T		401.4	241.3	ML 4.4
	e Sg N	04:04:57.6	0.8	T				
FUR	e Pn Z	04:04:12.2	0.8	T		510.5	224.7	ML 4.6
	e Sg N	04:05:28.8	0.8	T				
BFO	e Pn Z	04:04:30.4	0.7	T		660.9	240.5	ML 4.4
	e Sg N	04:06:10.5	-0.4	T				

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
 1999/12/10 08:29:33.0 47.720N 7.800E 9
 1999/12/10 08:29:33.3 +- 0.10 47.720N 7.800E 1.0 1.0 330 9 +- 3.0 15 10 133 2.1ML LED L

Schopfheim, NE of Basel/CH

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FELD	i Pg +	08:29:37.7	0.2	T		23.1	41.2	
	PmP	08:29:38.0	-4.8					
KIZ	i Sg	08:29:40.8	0.4	T				
	i Pg +	08:29:38.2	-0.0	T		27.7	18.5	ML 2.1
BBS	i Sg	08:29:41.8	0.1	T				
	i Pg -	08:29:39.7	0.1	T		35.8	217.6	
MOF	Pg	08:29:42.4	0.2	T		51.9	286.6	
	Sg	08:29:48.9	0.5	T				
SLE	i Pg +	08:29:42.2	-0.0	T		52.1	84.1	
	PmP	08:29:45.7	0.1					
ECH	e Sg	08:29:48.6	0.2	T				
	Pg	08:29:46.3	0.6			72.9	319.3	
BFO	Sg	08:29:54.2	-0.1	T				
	e Pg Z	08:29:46.4	-0.2		5.7	78.4	29.9	
LOMF	e Sg N	08:29:55.8	-0.1					
	Pg	08:29:48.3	0.7	T		83.8	241.0	
SPAK	Sg	08:29:58.4	0.7	T		84.9	59.6	
	e Pg +	08:29:51.0	-0.3	T		105.5	67.8	ML 2.1
GUT	e Sg	08:30:04.4	0.8	T				
	SmS	08:30:03.5	-3.2					
LBG	Pg	08:29:58.6	3.5			128.3	34.7	ML 2.0
	e Sg	08:30:09.9	-0.1	T				
HDH	e Sn	08:30:24.5	-1.4			202.8	60.8	ML 2.2
	e Sg	08:30:29.9	-1.3					
SIND	Pg	08:30:11.0	-0.4			224.7	35.6	ML 2.1
	e Sg	08:30:37.5	-0.1					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/11	09:32:03.1		47.100N	5.800E				2					2.2ML		LDG	

Quingey, SW of Besancon/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg E	09:33:08.0	-1.8			233.5	53.2	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/14	13:03:39.7	+/- 0.34	50.780N	10.040E	4.4	4.4	152	1G		12	7	129	2.3ML	TNS	BGR	I

First of three events, within 3.5 min

Tann, E of Fulda

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg Z	13:03:59.0	0.4	T	17.8	111.9	97.1	
	e Sg N	13:04:12.5	0.9	T				
CLZ	e Pg Z	13:03:59.7	-0.4	T	73.5	120.3	10.9	ML 2.5
	e Sg E	13:04:14.9	0.9	T				
TNS	e Pg Z	13:04:00.7	-0.7	T	8.6	128.6	241.8	ML 2.3
	e Sg Z	13:04:17.0	0.6	T				
GRFO	e Pg Z	13:04:04.2	-0.4	T	3.2	147.4	144.8	ML 2.6
	e Sg N	13:04:22.8	1.0	T				
CLL	e Pg Z	13:04:15.5	-0.6	T	3.4	215.2	73.0	ML 2.6
	e Sg N	13:04:40.1	-1.0	T				
WET	e Pg Z	13:04:25.6	-0.3	T	2.0	272.6	130.8	
BRG	e Pg Z	13:04:27.0	0.9	T	3.8	274.3	86.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/14	13:04:17.0		50.770N	10.030E				1G		8	4	274	2.1ML		OSTN	I
1999/12/14	13:04:17.2	+/- 0.41	50.750N	10.040E	4.4	4.4	173	1G		9	6	127	2.8ML	CLZ	BGR	I

Second of three events

Tann, E of Fulda

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg Z	13:04:36.2	0.1	T	3.5	111.6	95.4	
	e Sg N	13:04:50.0	0.9	T				
TAU	e Pn + Z	13:04:36.7	-2.1			119.8	77.1	
	i Pg + Z	13:04:37.5	0.0					
	i S Z	13:04:52.8						
CLZ	e Pn + Z	13:04:37.3	-1.9			123.6	10.7	ML 2.8
	e Sg N	13:04:52.5	-0.0	T				
TNS	e Pg Z	13:04:38.0	-0.8	T	2.6	127.0	243.1	ML 2.6
	e Sg E	13:04:54.3	0.8	T				
ZEU	e Pn - Z	13:04:39.7	-1.2			136.7	92.8	
	i Pg + Z	13:04:40.6	0.2					
	i S Z	13:04:57.4						
GRFO	e Pg Z	13:04:41.5	-0.2	T	1.9	144.6	144.1	ML 2.8
	e Sg Z	13:04:59.3	0.8	T				
REU	e Pn - Z	13:04:42.1	-0.6			151.8	85.7	
	e S Z	13:05:00.7						
PLN	e Pn + Z	13:04:42.1	-0.6			152.3	100.3	

	e	S	+	Z	13:05:00.3															
SCH	i	Pn	+	Z	13:04:44.2	-0.2								166.5	91.8					
	i	Sn		E	13:05:04.6	0.8														
WET	e	Sg		E	13:05:33.6	-0.9	T							270.4	130.2	ML	2.7			
BRG	e	Sg		Z	13:05:36.2	0.5	T							274.5	85.6					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/14	13:07:06.5	+/- 0.41	50.770N	10.030E	6.7	5.6	116	0G		6	4	129	1.9ML	CLZ	BGR	I

Third of three events

Tann, E of Fulda

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg Z	13:07:25.6	0.1	T	4.9	112.5	96.5	
CLZ	e Pg Z	13:07:26.5	-0.5	T	15.6	121.5	11.2	ML 1.9
	e Sg N	13:07:41.7	0.5	T				
TNS	e Pg Z	13:07:27.2	-0.9	T	2.3	127.4	242.1	
	e Sg N	13:07:43.7	0.8	T				
GRFO	e Sg E	13:07:48.7	0.3	T		146.9	144.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/14	13:35:32.1	+/- 0.34	51.670N	7.880E	4.4	3.3	119	1G		9	5	114	2.1ML	CLZ	BGR	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg Z	13:35:39.7	-0.7	T	2.9	49.3	239.1	ML 1.9
	e Sg E	13:35:46.9	0.7	T				
IBBN	e Pg Z	13:35:44.3	0.2	T	1.3	71.4	353.2	ML 1.9
	e Sg E	13:35:52.9	0.4	T				
TNS	e Pg Z	13:36:00.2	0.1	T	1.6	165.8	165.9	ML 2.1
	e Sg N	13:36:20.4	1.0	T				
CLZ	e Pg Z	13:36:00.7	-0.6	T	3.5	172.6	82.7	ML 2.1
	e Sg N	13:36:21.5	0.1	T				
WLF	e Sg E	13:36:44.1	-0.5	T		254.0	209.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/15	14:34:57.7		49.754N	7.367E				5					2.2ML		NEIC	
1999/12/15	14:34:58.9	+/- 0.42	49.740N	7.340E	6.7	4.4	166	10G		6	3	150	2.0ML	TNS	BGR	L?

Kirn/Nahe, E of Idar-Oberstein

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	14:35:13.0	-0.6	T	1.6	85.8	264.8	ML 1.6
	e Sg E	14:35:24.4	0.8	T				
TNS	e Pg Z	14:35:14.3	-0.9	T	11.2	95.6	55.5	ML 2.0
	e Sg N	14:35:27.1	0.7	T				
BFO	e Pn Z	14:35:25.9	0.0	T	4.4	172.6	154.9	ML 1.9
	e Sg E	14:35:48.6	0.2	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/19	05:19:56.9	+ - 5.10	51.980N	14.710E	3.0	23.0	122	10G		13	12	334	4.2ML		LED	L
1999/12/19	05:19:42.8	+ - 0.52	51.550N	16.260E	6.7	6.7	134	1G		24	11	266	4.3ML		SZGRF	I

Poland

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 05:20:10.8	-0.6	T		178.1	245.9	ML 3.9
	e Pg	Z 05:20:12.8	-0.2	T				
	e Sg	E 05:20:33.3	-0.3	T				
CLL	e Pn	Z 05:20:17.1	-0.4	T		227.4	264.5	ML 3.8
	e Pg	Z 05:20:22.4	1.1	T				
	e Sg	E 05:20:47.6	-0.2	T				
HOF	e Pn	05:20:31.1	0.4			336.4	247.6	
MOX	e Pn	Z 05:20:31.6	0.5	T		339.5	254.6	ML 4.3
	e Pg	Z 05:20:40.3	0.0					
	e Sg	E 05:21:19.7	-0.1	T				
GEC2	e Pn	Z 05:20:34.3	1.7	T		351.5	212.2	ML 4.0
	e Pg	Z 05:20:41.1	-1.2	T				
	e Sg	E 05:21:22.3	-0.9	T				
WET	e Pn	Z 05:20:34.0	0.5	T		359.3	223.2	ML 4.0
	e Sg	N 05:21:24.4	-1.0	T				
CLZ	e Pn	Z 05:20:40.8	1.5	T		407.0	276.9	ML 4.1
	e Sg	N 05:21:39.3	0.3	T				
GRA1	e Pn	Z 05:20:41.0	1.2	T		411.0	241.8	ML 4.6
	e Sg	E 05:21:39.3	-0.8	T				
BSEG	e Pn	Z 05:20:48.2	-0.0	T		479.7	305.9	
BHG	e Pn	05:20:51.8	2.3			490.3	211.1	
FUR	e Pn	Z 05:20:54.3	1.3	T		518.9	225.4	ML 4.8
	e Sg	E 05:22:11.9	0.9	T				
HDH	e Sg	05:22:21.0	3.1			543.2	235.0	ML 4.1
TNS	e Pn	Z 05:20:59.9	1.0	T		567.2	258.0	ML 4.5
	e Sg	E 05:22:26.3	1.5	T				
TOD	e Pn	05:20:59.7	0.7			568.8	250.6	
	e Sg	05:22:30.5	5.2					
BEU	Pn	05:21:23.3	21.8			589.0	238.6	ML 4.2
	e Sg	05:22:31.5	0.5					
UBR	e Sg	05:22:42.1	3.0			617.3	228.2	ML 4.0
LBG	Pn	05:21:05.1	-0.3			621.2	241.8	ML 4.2
	e Sg	05:22:41.1	0.9					
KTD	e Sg	05:22:46.5	3.9			629.5	250.0	
ABH	e Pn	05:21:09.1	1.3			640.4	256.6	
	e Sg	05:22:39.6	-6.1					
GUT	Pn	05:21:22.0	14.0			641.8	235.7	ML 4.2
	e Sg	05:22:49.6	3.5					
OGA	e Pn	05:21:10.6	2.3			644.3	218.2	
SPAK	e Sg	05:22:58.9	8.0			658.5	237.3	
LANF	e Pn	05:21:11.6	0.9			664.9	247.9	
	e Sg	05:22:59.3	6.6					
BFO	e Pn	Z 05:21:11.5	-0.0	T		670.4	240.8	ML 4.7
	e Sg	E 05:22:55.6	1.3	T				
RUP	e Pn	+ 05:21:13.6	0.9			680.2	256.0	
	e Sg	05:23:06.4	9.3					
SLE	e Sg	05:23:04.8	2.3			699.0	236.0	
KIZ	Pn	05:21:24.0	6.6			719.6	239.5	ML 4.2
	e Sg	05:23:13.2	4.9					
FELD	e Sg	05:23:12.4	4.0			719.9	238.7	
WLS	e Pn	05:21:20.1	2.0			725.4	244.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/20	13:45:27.5	+ - 1.79	51.774N	8.016E				1G		12	6	323	2.9ML		BNS	I
1999/12/20	13:45:29.3	+ - 0.64	51.680N	7.880E	10.0	4.4	158	1G		6	3	205	2.8ML		SZGRF	I
1999/12/20	13:45:28.3	+ - 0.28	51.700N	7.880E	4.4	3.3	158	1G		24	11	117	2.9ML	TNS	BGR	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z 13:45:36.9	-0.0	T	30.3	51.1	235.9	ML 2.8
	e Sg	E 13:45:44.2	1.3	T				
IBBN	e Pg	Z 13:45:39.7	-0.1	T	35.2	68.0	352.9	ML 2.9
	e Sg	N 13:45:48.4	0.7	T				
HOB	e P	Z 13:45:43.8				88.2	205.7	
	i S	N 13:45:56.8						
KOE	e P	Z 13:45:52.1				142.1	184.2	
	e S	E 13:46:09.4						
STB	e P	Z 13:45:51.8				142.8	210.9	
	e S	N 13:46:10.6						
KLL	e P	E 13:45:54.4				160.2	223.7	
	e S	N 13:46:14.3						
TNS	e Pn	Z 13:45:55.1	-0.8	T	11.8	169.0	166.2	ML 2.9
	e Pg	Z 13:45:57.1	0.1					
	e Sg	N 13:46:16.7	0.1	T				
BGG	e P	Z 13:45:55.7				170.4	193.1	
	e S	E 13:46:16.6						
CLZ	e Pg	Z 13:45:57.1	-0.3	T	14.2	172.2	83.8	ML 2.8
	e Sg	N 13:46:16.8	-0.7	T				
HIL	i P	Z 13:45:57.3				177.7	208.7	
	e S	N 13:46:19.8						
WLF	e Pg	Z 13:46:10.7	-1.1	T	5.6	257.0	208.9	
	e Sg	Z 13:46:40.2	-1.5	T				
MOX	e Pn	Z 13:46:11.2	1.1	T	1.5	285.6	112.8	ML 2.8
	e Pg	Z 13:46:16.9	0.2	T	3.9			
	i Sg	13:46:50.0	0.1					
GRFO	e Pn	Z 13:46:15.5	0.7	T	1.7	324.4	132.2	ML 3.0
	e Pg	Z 13:46:23.2	-0.1	T	4.1			
	e Sg	E 13:47:00.8	-0.2	T				
CLL	e Sg	N 13:47:09.7	-0.6	T		357.1	95.0	ML 3.1
BFO	e Pn	Z 13:46:21.0	-0.1	T	2.7	376.1	174.9	ML 3.1
	e Pg	Z 13:46:32.1	0.0	T	2.8			
	e Sn	N 13:47:00.0	0.9	T				
BRG	e Pn	E 13:46:27.5	-0.4	T	3.8	431.4	99.9	ML 3.1
	e Sg	N 13:47:31.8	0.2	T				
GEC2	e Pg	Z 13:46:56.0	-0.6	T	2.1	521.2	125.2	ML 3.2
	e Sn	N 13:47:29.1	-0.8	T				
	e Sg	E 13:47:59.5	2.3	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/26	04:29:30.5		48.700N	5.600E				10					2.0ML		LDG	

Commercy/Meuse/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
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WLF	e	Pg	Z	04:29:50.0	0.0			1.4	114.5	20.3							
	e	Sg	N	04:30:03.9	0.5												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/26	16:24:49.6	+ - 1.09	52.380N	7.840E	14.5	6.7	156	1G		7	4	253	2.4ML	BUG	BGR	I

Tecklenburg/Ibbenbueren, W of Osnabrueck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e Pg Z	16:24:50.2	-1.1	T	16.3	9.9	215.0	
BUG	e Pg Z	16:25:08.6	0.1	T	12.1	111.5	200.8	ML 2.4
	e Sg E	16:25:22.3	0.8	T				
CLZ	e Pg Z	16:25:21.3	0.7	T	4.9	183.0	108.1	ML 2.3
	e Sg N	16:25:41.9	0.0	T				
TNS	e Pg Z	16:25:31.1	0.2	T	4.7	243.6	169.8	ML 2.6
	e Sg E	16:25:58.3	-0.9	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/27	03:29:16.0		49.160N	6.890E				1					2.4ML		NEIC	
1999/12/27	03:29:15.8	+ - 0.64	49.080N	6.910E	7.8	4.4	28	1G		12	7	219	2.5ML	TNS	BGR	I
1999/12/27	03:29:16.9	+ - 1.30	49.160N	6.890E	16.0	6.0	73	1G		24	11	221	2.4ML		LED	I

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	03:29:27.6	0.2	T		61.5	11.4	
	e Sg	03:29:35.4	0.9	T				
LANF	e Pg -	03:29:29.2	0.5	T		69.6	106.3	
	e PmP	03:29:30.6	-1.7	T				
WLF	e Pg Z	03:29:30.2	0.2		17.8	77.4	316.7	ML 2.1
	e Sg E	03:29:40.4	1.3					
ABH	e Pg +	03:29:33.2	0.4	T		93.2	30.4	
	e PmP	03:29:34.3	-1.3	T				
TOD	e Sg	03:29:59.4	0.5	T		147.1	69.6	
LBG	e Pn	03:29:41.2	-0.9	T		149.7	110.9	ML 2.5
	e Pg	03:29:44.4	2.1	T				
	e Sg	03:30:01.5	1.8	T				
KIZ	e Pn +	03:29:42.8	0.2	T		153.8	150.1	ML 2.4
	e Pg +	03:29:44.2	1.2	T				
	e Sn	03:29:58.1	-2.6					
	e Sg	03:30:01.1	0.3	T				
TNS	e Pn Z	03:29:43.3	-0.4		1.4	162.8	42.9	ML 2.5
	e Pg Z	03:29:44.8	0.3		6.2			
	e Sg N	03:30:04.7	1.3					
FELD	e Pg	03:29:44.7	-0.1	T		164.6	149.7	
	e Sg	03:30:04.2	0.3	T				
STU	e Pg Z	03:29:44.0	-2.4		1.7	173.6	103.6	ML 2.6
	e Sg N	03:30:05.2	-1.3					
SLE	e Pg	03:29:49.8	-0.1	T		194.9	142.1	
	e Sg	03:30:14.7	2.1	T				
BEU	e Pg	03:29:50.6	0.6	T		195.5	108.2	ML 2.5
	e Sg	03:30:13.6	0.9	T				
SIND	e Pg	03:29:50.0	-0.5	T		198.2	82.9	ML 2.4
	e Sg	03:30:14.6	1.0					

GUT		Pn		03:29:48.0	-0.7				203.5	125.7	ML	2.6
	e	Pg		03:29:52.8	1.4							
	e	Sg		03:30:15.0	-0.1							
HDH	e	Pg	+	03:29:59.8	0.4				250.9	103.5	ML	2.4
BUG	e	Sg	N	03:30:30.2	0.4				255.0	5.9	ML	2.8
UBR	e	Pn		03:30:08.1	9.1				288.8	123.5	ML	2.5
MOX	e	Sg	E	03:31:03.4	-1.0				376.5	62.2		
CLZ	e	Pn	Z	03:30:11.2	0.2			1.3	386.6	38.2		
	e	Sg	N	03:31:09.3	2.0							
WET	e	Sg	N	03:31:19.8	-1.5				435.4	88.0		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/27	12:31:26.1	+ - 0.30	51.680N	7.910E	3.3	3.3	140	1G		13	6	112	2.3ML	CLZ	BGR	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e	Pg	Z	12:31:34.1	-0.8	T	2.4	51.7	239.2
	e	Sg	E	12:31:41.6	0.8	T			ML 2.0
IBBN	e	Pg	Z	12:31:38.1	0.0	T	6.1	70.5	351.5
	e	Sg	E	12:31:46.7	0.4	T			ML 2.2
TNS	e	Pg	Z	12:31:54.3	0.0	T	2.5	166.4	166.7
	e	Sg	N	12:32:14.3	0.6	T			ML 2.2
CLZ	e	Pn	Z	12:31:54.5	0.6	T	1.1	170.4	83.0
	e	Pg	Z	12:31:55.4	0.4	T	3.6		ML 2.3
	e	Sg	E	12:32:13.9	-0.9	T			
WLF	e	Pg	Z	12:32:08.7	-0.8	T	1.3	256.0	209.6
	e	Sg	E	12:32:38.7	-0.6	T			
MOX	e	Pg	Z	12:32:14.7	0.7	T	1.5	282.8	112.6
	e	Sg	N	12:32:47.3	0.4	T			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/29	11:06:38.4	+ - 0.71	51.760N	7.900E	11.1	4.4	156	1G		6	3	214	2.1ML	CLZ	BGR	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e	Pg	Z	11:06:48.1	0.2	T	4.2	56.2	231.1
	e	Sg	E	11:06:54.5	0.1	T			ML 2.1
CLZ	e	Pg	Z	11:07:07.6	0.4	T	3.0	170.2	86.0
	e	Sg	N	11:07:27.2	0.2	T			ML 2.1
TNS	e	Pg	Z	11:07:07.1	-1.0	T	1.7	175.2	167.2
	e	Sg	N	11:07:28.9	0.4	T			ML 2.1

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/31	11:00:53.7	+ - 1.24	52.900N	6.700E	15.6	10.0	122	1G		8	5	287	2.6ML	BUG	BGR	I?

Schoonoord, Exloo/NL, SE of Assen

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e	Pg	Z	11:01:09.7	-0.6	T	20.1	97.1	132.3
	e	Sg	N	11:01:22.0	0.4	T			ML 2.8

BUG	e Pg	Z	11:01:22.5	0.5	T	6.0	166.8	166.3	ML	2.6
	e Sg	E	11:01:42.3	0.9	T					
CLZ	e Pn	Z	11:01:33.7	0.5	T	3.0	275.6	113.8		
TNS	e Pg	Z	11:01:49.0	0.8	T	3.2	321.3	157.2	ML	2.8
	e Sg	N	11:02:23.8	-1.7	T					
WLF	e Sg	E	11:02:36.3	-0.8	T		361.8	186.3		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/12/31	12:13:39.8	+ - 0.70	51.470N	16.170E	12.2	7.8	154	1G		16	7	305	3.8ML		SZGRF	I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	12:14:08.1	-0.3	T		168.8	247.7	ML 3.6
	e Sg	E	12:14:28.6	0.5	T				
CLL	e Pn	Z	12:14:12.9	-0.8	T		220.5	266.5	ML 3.5
	e Pg	Z	12:14:16.8	-0.4	T				
	e Sg	N	12:14:42.0	-0.8	T				
MOX	e Pn	Z	12:14:27.3	0.1	T		331.2	255.7	ML 3.9
	e Pg	Z	12:14:35.1	-0.8	T				
	e Sg	N	12:15:14.2	-0.2	T				
WET	e Pn	Z	12:14:29.6	0.4	T		348.5	223.4	ML 3.7
	e Sg	N	12:15:18.8	-0.6	T				
GRA1	e Pn	Z	12:14:36.8	1.1	T		401.3	242.4	ML 4.1
	e Pg	Z	12:14:46.0	-1.8	T				
	e Sg	N	12:15:34.8	0.3	T				
CLZ	e Pn	Z	12:14:36.5	0.8	T		401.9	278.2	ML 3.7
TNS	e Pn	Z	12:14:55.6	0.6	T		559.3	258.7	ML 4.1
	e Sg	N	12:16:20.2	0.6	T				

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Sg	1999/12/03	07:04:59.0						
BHG	i Pg +	1999/12/03	09:44:03.0						
CLL	i Sg	1999/12/03	16:17:48.5						
CLL	e (Sg)	1999/12/08	19:06:30.0						
OGA	e Pn	1999/12/11	07:37:46.3						
CLL	e Sg	1999/12/11	21:23:13.0						
CLL	e Sg	1999/12/11	21:57:17.0						
CLL	e Sg	1999/12/11	22:32:27.0						
CLL	e Sg	1999/12/14	10:23:58.0						
BRG	i Sg	1999/12/14	13:36:32.9						

BRG	e	Sg	1999/12/16	15:04:52.1
CLL	e	Sg	1999/12/16	19:39:14.0
CLL	e	Sg	1999/12/20	12:00:16.0
BRG	i	Sg	1999/12/21	09:18:27.0
CLL	e	Sg	1999/12/26	20:56:20.0
BRG	e	Sg	1999/12/28	10:54:06.3
BRG	e	Sg	1999/12/30	10:20:12.4
BRG	e	Sg	1999/12/30	19:58:02.4
CLL	e	Sg	1999/12/31	05:52:04.0