

2002/05/01 03:38: 8.5 +- 0.83 51.490N 16.230E 10.0 7.8 136 1G 11 6 306 3.3ML Ref SZGRF I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	03:38:36.9	-1.0	T		173.5	247.6	ML 3.2
	e Sg	N	03:38:57.6	-0.5	T				
CLL	e Pn	Z	03:38:42.7	-0.1	T		224.8	266.1	ML 3.0
	e Pn	Z	03:38:57.2	0.9	T		335.8	255.6	ML 3.6
MOX	e Sg	N	03:39:45.0	0.6	T				
	e Sg	N	03:39:46.9	-0.1	T		344.8	212.5	ML 3.2
WET	e Pn	E	03:38:59.9	1.4	T		353.0	223.7	
	e Sg	E	03:39:49.3	-0.0	T				
GRA1	e Pn	Z	03:39:06.2	1.3	T		406.0	242.5	ML 3.8
	e Sg	N	03:40:05.5	1.0	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/01	11:39:11.7		49.366N	6.853E				1G		12	6		2.2ML		LDG	I?
2002/05/01	11:39:14.0	+ - 2.13	49.340N	6.980E	30.0	7.8	95	1G		4	3	268	1.9ML	BFO	BGR	I

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Sg	N	11:39:55.1	0.0	T	2.1	144.0	46.5	ML 1.6
BFO	e Pg	Z	11:39:38.9	-0.4	T	2.5	149.5	138.2	ML 1.9
	e Sg	N	11:39:56.8	0.1	T	2.5			
GEC2	e Pn	Z	11:40:21.4	0.3	T	2.8	492.3	93.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/02	13:56:36.2		47.567N	8.213E				2		11	6		2.4ML		LDG	I?
2002/05/02	13:56:35.6		47.600N	8.200E				0					1.8ML		SED	

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

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg	E	13:57:02.3	3.3			81.7	6.7	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/06	03:24:20.6	+ - 0.53	46.450N	12.730E	6.7	4.4	26	10G		16	11	267	3.4ML		SZGRF	L

NORTHERN ITALY

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
KBA	e Pg	Z	03:24:34.3	-0.6	T		84.1	33.6	ML 2.8
	e Sg	N	03:24:45.1	0.3	T				
MOA	e Pg	Z	03:24:51.6	-1.9	T		194.2	36.2	ML 3.1
	e Pn	Z	03:24:54.8	1.5	T		219.8	330.6	ML 3.6
FUR	e Sg	N	03:25:24.1	0.6	T				
	e Pn	Z	03:25:01.2	1.1	T		276.1	14.9	ML 3.4
WET	e Pn	Z	03:25:03.6	0.6	T		299.7	2.1	ML 3.2
GRA1	e Sg	N	03:26:08.7	0.3	T		377.5	343.3	ML 4.0

BFO	e	Pn	Z	03:25:14.6	0.3	T	391.6	303.9	ML	3.5
	e	Pg	Z	03:25:24.9	-2.1	T				
MOX	e	Pn	Z	03:25:24.5	0.2	T	473.6	350.4	ML	3.8
	e	Sg	E	03:26:35.7	-0.3	T				
TNS	e	Pn	Z	03:25:32.1	1.6	T	525.3	324.5		
CLL	e	Sg	N	03:26:55.6	0.5	T	540.5	2.0		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/06	09:42:29.8	+-	0.87	51.470N	6.760E	8.9	4.4	117	1G		7	5	203	2.1ML	TNS	BGR	I
2002/05/06	09:42:30.6	+-	1.22	51.517N	6.816E				1G		12	7	308	2.0ML		BNS	I
2002/05/06	09:42:29.0			51.516N	6.801E				1G					1.6ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg - Z	09:42:35.7	1.0	TA		33.5	104.3	ML 1.6
	e Sg E	09:42:40.4	1.8					
BNS	e Sg E	09:42:50.7	2.6			66.8	156.8	
HOB	e Pg Z	09:42:41.9	1.0			69.9	147.7	
	e Sg E	09:42:51.2	2.2					
KLL	e Pg N	09:42:47.5	1.1			102.5	199.7	
	e Sg N	09:43:01.4	3.1					
STB	e Pg Z	09:42:48.1	1.7			102.6	178.5	
	e Sg E	09:43:00.5	2.2					
IBBN	e Sg E	09:43:02.9	2.6			109.7	36.3	ML 2.2
HIL	e Sg E	09:43:10.1	2.1			136.3	183.6	
KOE	e Pg Z	09:42:53.3	0.9			137.8	151.4	
	e Sg E	09:43:10.2	1.8					
BGG	e Pg Z	09:42:55.4	1.0			150.4	165.3	
	e Sg E	09:43:13.4	1.4					
TNS	e Pg Z	09:43:00.6	0.4		1.4	184.5	140.6	ML 2.1
	e Sg N	09:43:21.9	0.2					
WLF	e Sg N	09:43:28.8	-0.5			210.9	192.8	ML 2.1
CLZ	e Sg E	09:43:42.3	2.2			248.9	80.2	ML 2.3

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/06	12:53:11.8	+-	1.73	51.470N	16.040E	47.8	16.7	152	1G		5	3	340	3.0ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg Z	12:53:37.6	-1.4	T		160.5	246.4	ML 2.8
	e Sg N	12:53:57.4	-0.3	T				
CLL	e Pg Z	12:53:45.3	-2.3	T		211.5	266.3	
MOX	e Pg Z	12:54:04.8	-1.7	T		322.5	255.2	ML 3.2
	e Sg N	12:54:44.5	0.6	T				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/10	19:55:03.7			47.016N	9.099E				2		71	30		3.2ML		LDG	L
2002/05/10	19:55:02.4	+-	0.73	47.020N	9.110E	10.0	6.7	7	10G		15	9	280	3.0ML		SZGRF	L
2002/05/10	19:55:03.5	+-	0.54	47.080N	9.130E	6.7	4.4	6	5G		31	12	265	3.1ML	GEC2	BGR	L
2002/05/10	19:55:03.4	+-	0.90	47.070N	9.130E	11.0	3.0	356	6	+- 4.0	28	16	233	3.2ML		LED	L

S of Glarus/CH, W of Chur

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SLE	e Pg -	19:55:18.9	-0.2			100.4	328.3	
	PmP	19:55:20.1	-1.4					
UBR	e Pg +	19:55:20.6	1.2			102.0	41.8	ML 3.5
	i PmP-	19:55:22.5	0.7					
	SmS	19:55:36.9	1.7					
GUT	e Pn +	19:55:22.3	-0.8			119.2	357.0	ML 3.2
	Sg	19:55:37.6	1.4					
SPAK	Pn	19:55:23.6	-0.4			126.4	345.9	
FELD	e Pn -	19:55:24.2	-0.5			132.6	317.7	
BBS	e Pn -	19:55:25.2	-0.1			137.7	292.6	
OGA	i Pg +	19:55:27.4	1.7			139.4	95.4	
KIZ	e Pn -	19:55:25.6	-0.4			143.5	318.3	ML 3.5
	e Pg -	19:55:26.4	-0.0					
	Sg	19:55:43.1	-0.0					
FBB	Pg	19:55:27.6	-0.0			150.5	318.2	
BUCH	e Pn +	19:55:28.0	-0.3			161.6	4.0	ML 3.1
	Pg	19:55:29.9	0.4					
	Sn	19:55:47.3	0.5					
	Sg	19:55:49.1	0.9					
BFO	e Pn Z	19:55:28.0	-0.3		4.4	161.6	336.5	ML 2.7
	e Pg Z	19:55:29.2	-0.3					
	e Sg E	19:55:45.5	-2.8					
MOF	Pn	19:55:30.8	0.0			182.0	302.1	
LOMF	e Pn -	19:55:31.4	0.4			183.5	283.1	
LBG	e Pn -	19:55:31.1	-0.4			187.5	350.9	ML 3.1
	Sn	19:55:51.0	-1.3					
	Sg	19:55:55.2	-0.4					
SCE	i Pn +	19:55:35.4	3.6			190.3	87.8	ML 2.8
HDH	i Pn +	19:55:31.3	-0.6			191.5	22.8	ML 3.0
	Pg	19:55:34.7	0.1					
	Sg	19:55:57.5	0.7					
STU	e Pn Z	19:55:32.9	0.3		1.9	196.9	359.9	ML 3.3
	e Sn N	19:55:53.2	-1.1					
	e Sg N	19:55:57.7	-0.6					
FUR	e Pg Z	19:55:36.9	0.5		9.5	202.3	49.5	ML 3.0
	e Sg N	19:56:01.6	1.7					
ECH	Pn	19:55:33.4	-0.1			204.2	312.2	
WLS	e Pn -	19:55:34.1	0.0			209.2	319.4	
LANF	e Pn	19:55:38.5	0.2			243.4	335.3	
SIND	e Pn -	19:55:39.6	-1.0			262.9	6.4	ML 3.0
	Pg	19:55:46.8	0.1					
	e Sn	19:56:08.3	0.1					
	Sg	19:56:16.7	-0.5					
SWS	Pn	19:55:42.3	-0.3			278.7	352.6	ML 3.0
	Sn	19:56:09.9	-1.7					
GRFO	e Pg Z	19:55:58.6	-0.1		10.6	334.3	25.8	ML 3.0
	e Sn N	19:56:24.3	0.9					
	e Sg E	19:56:37.6	-0.0					
GRA1	e Pn Z	19:55:48.1	-1.2			334.5	25.8	ML 3.3
	e Sg E	19:56:38.6	0.9					
RUP	Pn	19:55:51.6	1.6			339.5	333.0	
ABH	e Pn -	19:55:51.0	0.6			342.8	339.8	
TNS	e Pn Z	19:55:53.1	0.3		5.0	362.5	351.5	ML 3.1

WET	e	Sn	N	19:56:28.0	-1.3	29.8	362.6	47.5	ML	3.0
	e	Pn	Z	19:55:53.5	0.7					
	e	Sn	N	19:56:31.3	2.0					
WLF	e	Sg	E	19:56:46.1	0.4	2.6	372.1	323.9	ML	3.0
	e	Pn	Z	19:55:55.8	1.9					
	e	Pg	Z	19:56:04.7	-0.5					
GEC2	e	Sg	E	19:56:46.7	-1.7	8.3	393.1	56.9	ML	3.1
	e	Pn	Z	19:55:57.9	1.4					
	e	Pg	Z	19:56:08.1	-0.6					
MOX	e	Sn	N	19:56:38.2	2.4	2.0	442.1	22.7	ML	3.3
	e	Sg	N	19:56:55.0	0.6					
	e	Pn	Z	19:56:01.4	-1.1					
CLZ	e	Pg	Z	19:56:16.9	-0.2	4.1	552.5	37.0		
	e	Sn	N	19:56:48.2	2.1					
	e	Sg	E	19:57:07.8	-0.6					
BRG	e	Sg	E	19:57:36.6	-1.2	4.0	552.9	28.6		
	e	Pg	Z	19:56:37.4	1.6					
	e	Sg	N	19:57:39.1	-0.9					
CLL	e	Pg	Z	19:56:36.7	0.9	4.0	552.9	28.6		
	e	Pg	Z	19:56:36.7	0.9					
	e	Sg	N	19:57:41.0	0.9					

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/05/11 14:29:29.5 47.932N 7.624E 2 8 4 2.0ML LDG I

Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	14:29:41.0	-0.2		1.2	68.6	49.5	
	e Sg	E	14:29:49.0	-0.1					

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/05/11 23:20:14.8 47.949N 6.508E 16G 17 9 2.2ML LDG I

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

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	23:20:40.7	1.7		2.2	141.6	71.9	
	e Sg	N	23:20:55.5	0.0					

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/05/15 10:55:24.7 +- 1.18 51.550N 16.230E 11.1 8.9 93 1G 9 6 307 3.0ML SZGRF I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	10:55:54.6	-0.0	T		176.2	245.6	ML 2.9
	e Sg	E	10:56:15.2	0.1	T				
CLL	e Pn	Z	10:55:59.4	0.2	T		225.3	264.4	ML 2.8
	e Sg	N	10:56:28.7	-0.4	T				
MOX	e Pn	Z	10:56:13.6	0.8	T		337.5	254.5	ML 3.3
	e Sg	N	10:57:02.0	0.8	T				
GEC2	e Sg	E	10:57:05.0	0.1	T		350.4	211.9	ML 2.9

WET	e	Sg	E	10:57:06.3	-0.7	T	357.9	222.9	ML	2.9
GRA1	e	Sg	E	10:57:22.4	0.8	T	409.1	241.6	ML	3.4

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/15	19:50:20.8		49.343N	6.866E				1G		20	9		2.5ML		LDG	L
2002/05/15	19:50:21.1	+ - 0.41	49.370N	6.880E	6.7	4.4	32	1G		8	5	165	1.8ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 19:50:31.8	0.2	T	3.0	61.9	302.2	
	e Sg	E 19:50:38.5	-0.3	T				
TNS	e Pg	Z 19:50:45.8	-0.2	T	2.6	147.1	49.3	ML 1.8
	e Sg	E 19:51:02.7	-0.4	T				
BFO	e Pg	Z 19:50:47.6	-0.1	T	4.1	156.9	136.9	ML 1.6
	e Sg	E 19:51:05.3	-0.6	T				
WET	e Pn	Z 19:51:21.7	0.4	T	1.7	435.9	91.0	
GEC2	e Pn	Z 19:51:30.0	0.9	T	4.8	499.8	94.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/15	23:17:37.8	+ - 1.01	49.850N	18.380E	10.0	7.8	77	1G		10	7	281	3.0ML		SZGRF	I

CZECHOSLOVAKIA

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z 23:18:31.9	-2.7	T		334.6	291.6	ML 2.7
	e Sg	N 23:19:12.3	-1.1	T				
GEC2	e Sg	N 23:19:20.0	0.2	T		356.8	253.5	ML 3.1
ARSA	e Pn	Z 23:18:28.6	0.3	T		357.4	217.1	
MOA	e Sg	N 23:19:24.8	0.1	T		374.2	235.1	ML 3.0
CLL	e Pg	Z 23:18:46.0	-1.8	T		412.7	295.2	ML 3.2
	e Sg	N 23:19:35.8	0.1	T				
GRA1	e Sg	E 23:20:06.2	1.5	T		514.1	270.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/16	05:18:12.6		47.926N	6.486E				18G		24	12		2.3ML		LDG	L

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z 05:18:39.0	1.8		1.8	144.0	71.1	
	e Sg	E 05:18:53.3	-0.7					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/17	02:24:41.7		47.870N	7.520E				10					2.5ML		NEIC	
2002/05/17	02:24:42.8		47.800N	7.600E				5					2.0ML		SED	
2002/05/17	02:24:42.2		47.867N	7.518E				7G		45	19		2.4ML		LDG	L
2002/05/17	02:24:45.8	+ - 1.74	48.020N	7.550E	23.3	6.7	12	10G		5	3	272	1.5ML		SZGRF	L
2002/05/17	02:24:42.5	+ - 1.28	47.870N	7.510E	13.3	5.6	17	10G		8	6	252	1.7ML	BFO	BGR	L
2002/05/17	02:24:41.9	+ - 0.13	47.868N	7.532E	1.6	1.2	18	12	+ - 2.1	20	14	83	2.1ML		LED	L

Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FBB	Pg	02:24:47.4	0.3	T		28.2	58.0	
MOF	i Pg +	02:24:47.5	0.1	T		29.8	266.7	
	Sg	02:24:51.4	0.3	T				
KIZ	i Pg +	02:24:47.6	0.1	T		30.4	71.0	ML 1.6
	e Sg	02:24:51.4	0.2	T				
LIBD	e Pg -	02:24:48.3	0.6	T		31.9	9.5	
FELD	i P*	02:24:48.7		T		35.2	88.3	
	e Pg -	02:24:48.5	0.3	T				
BBS	i Pg -	02:24:50.0	0.2	T		44.9	182.2	
ECH	i Pg -	02:24:50.3	0.0	T		47.6	324.5	
	i Sg	02:24:56.2	0.2	T				
WLS	i Pg -	02:24:53.0	0.4	T		62.0	347.7	
	PmP	02:24:54.5	-0.7	T				
SLE	i Pg -	02:24:54.8	0.4	T		72.7	98.6	
LOMF	e Pg -	02:24:55.7	0.4	T		78.1	222.8	
BFO	e Pg Z	02:24:56.5	1.1		5.4	78.4	48.8	ML 1.7
	e Sg N	02:25:06.0	1.4					
GUT	Pg	02:25:03.2	0.9			120.0	78.6	ML 2.2
	i Sg	02:25:18.4	2.1	T				
LANF	Pg	02:25:03.6	0.3	T		125.3	9.2	
LBG	Pg	02:25:04.6	0.8	T		128.7	46.1	ML 2.3
	Sg	02:25:20.2	1.4	T				
BUCH	Pg	02:25:08.2	0.8	T		149.7	63.7	ML 2.6
	Sg	02:25:26.7	1.9					
STU	e Sg N	02:25:28.5	1.1			158.6	50.1	ML 2.2
UBR	e Pg +	02:25:15.8	1.1			193.6	95.2	ML 2.5
	Sg	02:25:39.3	2.0					
HDH	Sg	02:25:43.9	0.9			213.5	67.1	ML 2.4
WLF	e Pg Z	02:25:19.9	-0.0		1.7	223.9	333.7	
	e Sg E	02:25:46.4	0.4					
SIND	Sg	02:25:47.0	0.9			224.4	42.0	ML 2.7
TNS	e Sg N	02:26:00.3	1.2			270.1	14.0	
FUR	e Sg N	02:26:03.6	1.6			280.3	81.9	
GRFO	e Sg N	02:26:18.0	-0.4			337.7	51.8	
GRA1	e Sg N	02:26:18.7	0.2			337.9	51.7	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/17	07:19:40.7			47.652N	8.354E				12G		37	17		2.8ML		LDG	L
2002/05/17	07:19:44.1	+-	1.77	47.820N	8.400E	27.8	16.7	24	10G		5	3	310	2.2ML		SZGRF	L
2002/05/17	07:19:40.5	+-	1.84	47.720N	8.470E	16.7	6.7	27	10G		6	5	275	2.3ML	BFO	BGR	L
2002/05/17	07:19:40.0	+-	0.07	47.690N	8.473E	1.1	0.6	341	24	+-	0.5	22	13	2.5ML		LED	L
2002/05/17	07:19:39.5			47.700N	8.500E				27					2.5ML		SED	

Stuehlingen, Schaffhausen/CH

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
SLE	i Pg +	07:19:44.5	0.2			7.4	356.1	
FELD	i Pg -	07:19:48.1	0.1			41.9	298.1	
	i Sg	07:19:53.6	-0.1					
SPAK	e Pg +	07:19:49.6	0.5			49.6	25.4	
	Sg	07:19:56.0	0.3					
KIZ	i Pn -	07:19:49.4	-0.3			51.9	303.5	ML 1.6

FBB	i	Sn	-	07:19:55.9	-0.9													
	e	Pn	-	07:19:50.5	-0.1					58.8	305.0							
	i	Sn		07:19:57.8	-0.4													
GUT	e	Pn	+	07:19:51.1	0.2					61.7	47.8			ML	2.2			
		Pg		07:19:51.4	0.5													
		Sg		07:19:59.5	0.8													
BFO	e	Pg	Z	07:19:52.1	-0.3				33.6	71.2	349.8			ML	2.3			
	e	Sg	N	07:20:00.4	-0.9													
BBS	i	Pn	+	07:19:52.7	-0.3					78.8	251.0							
	i	Pg	-	07:19:53.2	-0.4													
LIBD		Sn		07:20:04.2	0.7					83.5	307.2							
MOF		Pg		07:19:57.3	-0.3					103.5	279.9							
BUCH	e	Pn	+	07:19:56.2	0.0					104.7	36.9			ML	2.3			
		Pg		07:19:57.9	0.1													
LBG		Pn		07:19:57.0	0.3					109.4	11.4			ML	2.6			
		Sg		07:20:11.5	-0.2													
ECH	i	Sg		07:20:12.3	-1.0					115.2	300.4							
UBR	i	Pn	+	07:19:59.2	1.1					120.4	90.4			ML	2.5			
		Pg		07:20:00.8	0.4													
		Sg		07:20:15.8	1.1													
STU	e	Sg	E	07:20:17.3	-0.1					129.7	23.1			ML	2.6			
HDH	e	Pn	-	07:20:02.9	-0.0					160.3	51.5			ML	2.4			
		Sn		07:20:20.5	0.8													
		Sg		07:20:25.7	-0.2													
SIND		Pn		07:20:08.0	0.1					200.6	23.5			ML	2.7			
FUR	e	Sg	E	07:20:42.3	1.4					213.1	75.0			ML	2.9			
TNS	e	Sg	E	07:21:00.1	0.1					280.5	359.2			ML	2.6			
GRFO	e	Sg	N	07:21:05.6	0.6					298.1	41.0			ML	2.8			
GRA1	e	Pg	Z	07:20:33.2	2.9					298.2	41.0							
	e	Sg	E	07:21:06.7	1.7													

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/18	16:14:48.2		49.381N	6.899E				1G		45	17		3.1ML		LDG	L
2002/05/18	16:14:49.1	+ - 0.40	49.380N	6.870E	6.7	4.4	13	1G		15	7	164	2.9ML		SZGRF	I
2002/05/18	16:14:48.2	+ - 0.39	49.350N	6.860E	5.6	3.3	45	1G		18	11	168	2.9ML	TNS	BGR	I
2002/05/18	16:14:48.2	+ - 0.20	49.360N	6.880E	2.0	2.0	47	1G		32	24	135	2.7ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
DUP	i Pg -	16:14:49.7	0.0	T		8.9	310.1	ML 2.7
	e Sg	16:14:51.4	0.7	T				
RIVT	e Pg -	16:14:55.0	0.1	T		39.6	348.0	ML 2.2
RUP	i Pg -	16:14:55.1	0.1	T		40.1	18.7	
WLF	e Pg Z	16:14:59.4	0.6		6.0	62.5	303.1	ML 2.2
	e Sg N	16:15:05.8	-0.3					
PEB	e Pg	16:14:59.8	-0.1	T		69.0	117.9	ML 3.0
	i Sg	16:15:08.1	0.2	T				
ABH	i Pg -	16:15:00.7	-0.3	T		75.3	39.4	
IMS	i Pg -	16:15:01.6	0.2	T		78.2	70.2	ML 2.5
	Sg	16:15:11.4	0.9	T				
LANF	Pg	16:15:02.0	0.3	T		79.4	121.7	
FSH	e Pg -	16:15:01.8	-0.1	T		81.3	11.6	ML 2.7
	PmP	16:15:04.1	-1.2	T				
KTD	PmP	16:15:04.3	-1.8	T		87.3	92.5	
BLI	Pg	16:15:06.6	0.4	T		105.9	336.6	ML 2.5

WLS	i	PmP+		16:15:08.3	-1.2	T		110.9	161.6								
ECH		PmP		16:15:11.2	-1.0	T		128.8	170.8								
FACH	e	Pn +		16:15:10.6	-1.2	T		136.6	35.4	ML	2.9						
TOD	i	Pg +		16:15:12.3	0.1	T		141.6	78.2								
LIBD		P*		16:15:13.9		T		144.5	158.2								
TNS	e	Pg	Z	16:15:12.3	-1.0		30.1	147.8	49.0	ML	2.9						
	e	Sg	N	16:15:31.6	1.1												
BFO	e	Pg	Z	16:15:13.9	-0.7		21.1	156.1	136.6	ML	2.8						
	e	Sg	N	16:15:32.3	-0.5												
LBG		Pg		16:15:15.6	0.4	T		159.6	118.3	ML	3.0						
	i	Sg		16:15:34.5	0.7	T											
BIW		Pg		16:15:15.9	-0.7	T		167.0	23.8	ML	2.6						
		Sg		16:15:36.4	0.5												
MOF		Pg		16:15:17.2	0.5	T		168.7	173.6								
		Sg		16:15:37.6	1.2	T											
KIZ		Pg		16:15:17.9	0.2	T		173.7	153.6	ML	2.9						
	i	Sg		16:15:38.3	0.5	T											
FELD		Pg		16:15:20.0	0.6	T		184.5	153.0								
	i	Sg		16:15:41.6	0.7	T											
SIND		Pn		16:15:18.5	-0.7			197.4	89.3	ML	3.0						
SPAK		Pg		16:15:22.1	0.4	T		197.7	134.3								
BUCH		Pg		16:15:23.9	0.6	T		207.1	118.3	ML	2.6						
SLE		Pg		16:15:25.1	0.8	T		213.3	145.6								
BBS		Pg		16:15:26.4	1.7			215.8	167.3								
GUT		Pg		16:15:25.7	0.6	T		217.8	130.3	ML	2.8						
BUG	e	Sg	N	16:15:55.0	0.3			233.0	6.7	ML	2.7						
HDH		Pg		16:15:31.5	-0.4			257.7	108.3	ML	2.7						
UBR		Pn		16:15:35.0	3.0			302.2	126.9	ML	2.9						
GRFO	e	Pg	Z	16:15:41.4	-0.3		3.6	315.4	81.7	ML	3.1						
	e	Sg	E	16:16:20.1	1.8												
GRA1	e	Pg	Z	16:15:41.3	-0.4			315.5	81.6	ML	3.2						
	e	Sg	E	16:16:20.4	2.1												
IBBN	e	Pg	Z	16:15:44.7	0.0		1.5	333.4	10.3	ML	3.1						
	e	Sg	E	16:16:24.9	1.5												
FUR	e	Sg	N	16:16:29.1	1.3			348.5	110.8	ML	3.4						
MOX	e	Pg	Z	16:15:49.2	-1.3		3.0	367.3	65.3	ML	3.0						
	e	Sg	N	16:16:32.5	-0.6												
CLZ	e	Pg	Z	16:15:51.7	0.8		2.0	369.9	40.4	ML	3.1						
	e	Sg	E	16:16:35.2	1.3												
WET	e	Pn	Z	16:15:49.9	1.6		4.1	435.9	90.9	ML	3.1						
	e	(Sn)	N	16:16:33.6	1.9												
	e	Sg	N	16:16:53.1	0.3												
CLL	e	(Pg)		16:16:13.0	2.5			485.3	61.2								
	e	Sg	N	16:17:06.1	-0.7												
GEC2	e	Pn	Z	16:15:57.7	1.6		9.8	499.7	94.0	ML	3.1						
	e	(Sn)	N	16:16:47.9	2.7												
	e	Sg	N	16:17:11.1	0.2												
BRG	e	(Pg)	Z	16:16:15.2	-2.9		2.3	530.7	68.8	ML	3.1						
	e	(Sg)	N	16:17:21.0	1.1												

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2002/05/20 22:07: 5.5 +- 0.95 51.390N 16.250E 12.2 7.8 174 1G 9 6 316 3.0ML SZGRF I

POLAND

Sta Phase Time TRes Def S/N Dist EvAz Mag

BRG	e	Pg	Z	22:07:33.8	-0.7				170.9	251.3								
	e	Sg	E	22:07:54.2	-0.2		T											ML 2.8
CLL	e	Pn	Z	22:07:40.8	0.8				225.7	268.9								
	e	Sg	E	22:08:10.1	0.1		T											ML 2.8
MOX	e	Pn	Z	22:07:53.7	0.4		T		334.5	257.5								ML 3.3
	e	Sg	N	22:08:42.0	1.0		T											
WET	e	Pn	Z	22:07:56.0	1.3		T		346.0	225.1								ML 2.9
	e	Sg	E	22:08:44.6	0.2		T											
GRA1	e	Pn	Z	22:08:02.8	1.3		T		402.2	244.0								ML 3.4
	e	Sg	N	22:09:00.5	0.1		T											
GRC4	e	Pn	Z	22:08:05.3	1.4		T		422.3	234.5								

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/21	23:13:	9.1	+/- 0.81	51.480N	16.200E	7.8	7.8	165	1G		12	6	305	3.1ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z 23:13:37.0	-1.1	T		171.2	247.7	ML 2.8
	e Sg	N 23:13:57.4	-0.6	T				
CLL	e Pn	Z 23:13:43.1	-0.1	T		222.6	266.3	ML 2.9
	e Sg	N 23:14:13.4	0.6	T				
MOX	e Pn	Z 23:13:57.6	0.9	T		333.5	255.6	ML 3.4
	e Sg	N 23:14:44.8	0.4	T				
GEC2	e Pn	Z 23:13:59.7	1.9	T		342.7	212.2	ML 3.0
	e Sg	E 23:14:47.0	-0.0	T				
WET	e Pn	Z 23:13:59.8	1.0	T		350.8	223.5	ML 3.1
	e Sg	N 23:14:49.1	-0.2	T				
GRA1	e Pn	Z 23:14:06.7	1.5	T		403.6	242.4	ML 3.6
	e Sg	N 23:15:05.9	1.4	T				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/24	20:39:27.2	+/- 0.42		51.300N	10.740E	6.7	4.4	58	1G		10	5	168	2.3ML		SZGRF	I
2002/05/24	20:39:26.2	+/- 0.25		51.260N	10.690E	3.3	3.3	5	1G		24	12	74	2.4ML	TNS	BGR	I

Gundersleben, Sondershausen, S of Nordhausen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLZ	e Pg	Z 20:39:37.7	-0.0	T	38.0	68.3	341.4	ML 2.0
	e Sg	N 20:39:46.1	0.4	T				
MOX	e Pg	Z 20:39:42.9	0.7	T	37.1	94.3	136.2	ML 2.2
	e Sg	N 20:39:54.9	1.9	T				
CLL	e Pg	Z 20:39:52.7	-0.7	T	20.3	160.9	87.2	ML 2.7
	e Sg	N 20:40:12.6	0.5	T				
GRA1	e Pg	Z 20:39:56.6	0.3			178.4	167.6	
	e Sg	N 20:40:18.1	1.0					
GRFO	e Pg	Z 20:39:56.6	0.2	T	3.0	178.5	167.7	ML 2.1
	e Sg	N 20:40:16.6	-0.5	T				
TNS	e Pn	Z 20:39:56.9	-0.1	T	1.8	195.5	234.7	ML 2.4
	e Pg	Z 20:39:59.4	0.2	T	3.4			
	e Sg	N 20:40:21.1	-0.9	T				
BRG	e Pn	Z 20:40:02.7	1.3			231.3	99.4	ML 2.2
	e Pg	Z 20:40:03.8	-1.6					
	e Sg	N 20:40:31.5	-0.7	T				

BUG	e	Pn	Z	20:40:02.7	0.5	T	1.1	238.4	276.2								
RUE	e	Sg	N	20:40:37.7	-0.3	T		251.5	56.3								
WET	e	Pn	Z	20:40:08.5	0.8	T	1.7	282.1	145.7	ML	1.8						
	e	Pg	Z	20:40:13.5	-0.5	T	3.4										
	e	Sg	N	20:40:47.4	0.7	T											
GEC2	e	Pg	Z	20:40:22.9	-1.5	T	3.1	343.9	140.2	ML	2.5						
	e	Sg	N	20:41:04.3	-0.1	T											
FUR	e	Pn	N	20:40:15.2	-0.3	T	1.1	346.9	172.8								
	e	Pg	Z	20:40:24.2	-0.8	T	1.6										
BFO	e	Pn	Z	20:40:17.2	-0.8	T	1.0	367.2	208.4								
	e	Pg	Z	20:40:29.8	1.4	T	2.8										
	e	Sg	N	20:41:10.8	-0.2	T											

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/26	02:26:29.1	+-	0.89	51.530N	16.160E	12.2	7.8	158	1G		10	5	317	3.2ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z 02:26:57.3	-0.7	T		170.9	245.6	ML 2.8
	e Sg	N 02:27:17.9	0.0	T				
CLL	e Pn	Z 02:27:02.5	-0.4	T		220.3	264.8	ML 3.0
	e Sg	N 02:27:31.7	-0.3	T				
MOX	e Pn	Z 02:27:18.1	1.6	T		332.2	254.5	ML 3.3
	e Sg	N 02:28:04.8	0.8	T				
WET	e Pn	Z 02:27:20.2	1.1	T		353.0	222.6	ML 3.1
	e Sg	N 02:28:09.3	-0.6	T				
GRA1	e Pn	Z 02:27:26.4	1.2	T		403.8	241.5	ML 3.6
	e Sg	E 02:28:24.9	0.5	T				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/27	04:12:59.3	+-	0.08	48.090N	9.255E	1.6	1.3	69	2	+- 0.0	7	4	312	2.1ML		LDG	L

Sigmaringen/Donau

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z 04:13:12.5	0.7		2.3	73.6	291.6	
	e Sg	E 04:13:19.8	-0.5					

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/27	20:59:21.4	+-	0.78	51.510N	16.190E	8.9	7.8	160	1G		12	6	306	3.2ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 20:59:50.4	1.1	T		171.8	246.5	ML 2.9
	e Sg	N 21:00:10.8	0.3	T				
CLL	e Pn	Z 20:59:55.5	-0.0	T		222.2	265.4	ML 3.0
	e Sg	N 21:00:24.8	-0.1	T				
MOX	e Pn	Z 21:00:10.6	1.5	T		333.7	255.0	ML 3.3
	e Sg	N 21:00:57.9	1.2	T				
GEC2	e Pn	Z 21:00:12.7	2.2	T		345.2	211.8	ML 3.1

	e	Sg	N	21:00:59.9	-0.1	T												
WET	e	Pn	Z	21:00:12.2	0.8	T												
	e	Sg	N	21:01:01.8	-0.4	T												
GRA1	e	Pn	Z	21:00:17.7	-0.0	T												
	e	Sg	N	21:01:17.3	0.3	T												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/28	09:22:36.1	+/- 0.33	51.330N	10.560E	4.4	3.3	51	0G		12	9	102	2.3ML	CLL	BGR	I?

Muehlhausen, Bleicherode

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
CLZ	e Pg	Z	09:22:46.0	-0.0	T	2.6	58.3	347.2	ML 1.9
	e Sg	E	09:22:52.5	-0.3	T				
MOX	e Pg	Z	09:22:55.4	1.3	T	2.1	106.1	135.5	ML 1.9
	e Sg	E	09:23:07.6	1.2	T				
CLL	e Pg	Z	09:23:05.0	0.1	T	1.8	169.8	89.9	ML 2.3
	e Sg	N	09:23:25.0	0.4	T				
GRFO	e Sg	N	09:23:30.9	1.1	T		188.1	165.4	ML 2.4
TNS	e Sg	N	09:23:31.9	0.6	T		192.9	231.2	ML 2.2
IBBN	e Pn	Z	09:23:10.3	0.1	T	1.9	221.2	300.5	
BRG	e Sg	N	09:23:44.2	-0.9	T		241.6	100.8	ML 2.0
GEC2	e Sg	N	09:24:16.5	-1.3	T		355.7	139.7	
BFO	e Sg	E	09:24:20.6	-1.2	T		369.9	206.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/28	11:46:17.9	+/- 0.41	49.550N	6.640E	7.8	4.4	21	1G		7	4	153	2.1ML	TNS	BGR	I

Merzig, NW of Saarbruecken, Luxembourg-French-German border

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	E	11:46:24.3	0.1	T	4.9	37.4	290.1	ML 1.8
	e Sg	N	11:46:28.9	0.3	T				
TNS	e Pg	E	11:46:43.7	0.5	T	15.8	149.5	59.3	ML 2.1
	e Sg	E	11:47:01.1	0.5	T				
BFO	e Pg	Z	11:46:50.2	1.2	T	1.5	183.4	137.1	ML 1.9
	e Sg	N	11:47:09.3	-1.0	T				
BUG	e Pg	Z	11:46:53.2	-1.2	T	1.4	214.9	11.7	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/28	16:14:53.3	+/- 0.08	48.616N	8.269E	1.6	1.3	69	4G		9	4	322	2.2ML		LDG	L

Baden-Baden/Upper Rhine Graben

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg	N	16:15:12.3	9.7			32.1	172.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/29	04:18:47.3		48.099N	9.137E				2		6	4		2.2ML		LDG	L

Sigmaringen/Donau

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	04:18:57.6	-0.7		3.1	65.1	293.5	
	e Sg	E	04:19:04.9	-1.0					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2002/05/31	16:50:32.3	+ - 0.80	46.220N	7.240E	8.9	8.9	0	10G		12	8	291	3.6ML		SZGRF	I

SWITZERLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pn	Z	16:51:08.2	-0.2	T		248.6	18.9	ML 3.2
	e Sg	N	16:51:41.7	-1.7	T				
STU	e Sg	E	16:52:04.2	0.6	T		319.3	26.6	ML 3.7
FUR	e Sg	E	16:52:18.2	-0.9	T		373.6	53.2	ML 3.8
WLF	e Pn	Z	16:51:28.3	2.4	T		391.5	348.5	ML 3.5
	e Sg	N	16:52:24.0	-0.2	T				
TNS	e Pn	Z	16:51:34.0	0.5	T		453.9	10.9	
	e Sg	N	16:52:43.2	1.2	T				
GRA1	e Sg	N	16:52:51.8	0.5	T		486.6	36.1	ML 3.8
WET	e Pn	Z	16:51:43.6	0.5	T		532.5	50.3	
	e Sg	E	16:53:05.9	1.4	T				
GEC2	e Pn	Z	16:51:49.3	2.1	T		565.8	56.6	

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Sg	2002/05/01	04:30:18.4						
BRG	e Sg	2002/05/01	16:32:23.9						
BRG	e Sg	2002/05/01	21:17:20.5						
BRG	e Sg	2002/05/02	02:22:02.1						
BRG	e Sg	2002/05/02	02:24:20.0						
BRG	e Sg	2002/05/02	13:22:03.2						
BRG	e Sg	2002/05/02	23:41:45.9						
CLL	e (Sg)	2002/05/03	21:44:04.0						
BRG	e Sg	2002/05/04	06:06:04.1						
BRG	e Sg	2002/05/04	17:50:54.5						
BRG	e Pg	2002/05/06	02:56:12.3						
BRG	e Sg	2002/05/06	14:12:02.5						
BRG	e Sg	2002/05/07	01:57:25.2						

BRG	e	Sg	2002/05/07 13:44:55.4
BRG	e	Sg	2002/05/07 14:29:28.9
BRG	e	Sg	2002/05/07 23:33:29.4
BRG	e	Sg	2002/05/08 06:42:38.2
BRG	e	Sg	2002/05/08 22:31:31.4
MOX	e	Pn	2002/05/09 01:53:32.9
BRG	e	Sg	2002/05/09 07:56:17.9
BRG	e	Sg	2002/05/09 19:57:24.4
BRG	e	Sg	2002/05/10 11:46:43.9
BRG	e	Sg	2002/05/10 16:52:31.8
BRG	e	Sg	2002/05/11 00:42:14.5
BRG	e	Sg	2002/05/11 07:33:21.2
BRG	e	Sg	2002/05/12 01:37:58.7
BRG	e	Sg	2002/05/12 03:34:18.5
BRG	e	Sg	2002/05/12 06:15:42.0
BRG	e	Sg	2002/05/12 11:12:08.5
BRG	e	Sg	2002/05/14 20:17:09.4
SCE	i	Pg +	2002/05/15 08:10:33.8
SCE	e	Sg	2002/05/15 08:10:50.4
BRG	e	Sg	2002/05/16 15:21:30.7
BRG	e	Sg	2002/05/16 19:56:43.9
BRG	e	Sg	2002/05/16 20:56:31.9
CLL	e	Sg	2002/05/17 10:26:59.0
CLL	e	Sg	2002/05/17 20:56:29.0
BRG	e	Sg	2002/05/18 05:02:28.6
BRG	e	Sg	2002/05/19 01:58:49.3
BRG	e	Sg	2002/05/19 08:48:45.7
BRG	e	Sg	2002/05/20 03:08:25.7
BRG	e	Sg	2002/05/20 07:15:11.9

ML 1.8

BRG	e	Sg	2002/05/20 10:13:40.3
BRG	e	Sg	2002/05/21 19:13:06.7
BRG	e	Sg	2002/05/22 18:56:27.1
BRG	e	Sg	2002/05/24 02:35:09.8
BRG	e	Sg	2002/05/25 00:25:49.4
MOX	e	(Sg)	2002/05/25 04:57:25.1
BRG	e	Sg	2002/05/25 05:08:04.8
BRG	e	Sg	2002/05/25 07:03:31.9
CLL	e	Sg	2002/05/25 17:22:15.0
BRG	e	Sg	2002/05/25 21:51:28.4
BRG	e	Sg	2002/05/26 19:06:03.7
WET	i	Pn +	2002/05/26 20:27:20.1
BRG	e	Sg	2002/05/27 22:45:53.5
BRG	e	Sg	2002/05/28 20:40:37.0
BRG	e	Sg	2002/05/29 02:09:51.8
BRG	e	Sg	2002/05/29 11:45:58.0
BRG	e	Sg	2002/05/30 09:17:15.9
MOX	e	Sg	2002/05/30 19:37:31.3
BRG	e	Sg	2002/05/30 23:56:27.4
BRG	e	Sg	2002/05/31 05:27:00.6
BRG	e	Sg	2002/05/31 05:53:07.1
BRG	e	Sg	2002/05/31 09:07:21.2
CLL	e	Sg	2002/05/31 09:37:56.0

ML 3.3