

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/01	06:03:10.2		47.200N	9.200E				13					2.6ML		NEIC	
2003/10/01	06:03:13.9	+ - 0.44	47.370N	9.014E	6.7	5.1	112	10G		14	6	297	2.7ML		LDG	L
2003/10/01	06:03:11.2	+ - 0.52	47.242N	9.228E	7.8	3.3	8	10G		14	7	202	1.9ML	BFO	BGR	L
2003/10/01	06:03:10.2		47.200N	9.200E				13					2.1ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KAMOR	e Pg	Z 06:03:14.6	-0.2		20.1	23.9	65.2	
	e Sg	N 06:03:18.3	0.4		2.5			
WILA	e Pg	Z 06:03:16.3	0.2		39.6	32.5	317.4	
	e Sg	E 06:03:21.0	0.8		5.6			
ZUR	e Pg	Z 06:03:19.6	0.6		3.1	50.3	292.1	
	e Sg	N 06:03:26.2	1.2		12.9			
SLE	e Pg	Z 06:03:24.5	0.2		35.7	82.4	320.1	
	e Sg	N 06:03:34.3	0.2		5.7			
SULZ	e Pg	Z 06:03:26.1	0.5		7.6	89.7	294.5	
	e Sg	N 06:03:37.1	1.0		12.5			
BFO	e Pg	E 06:03:34.5	0.3		5.4	141.5	332.9	ML 1.9
	e Sg	N 06:03:51.2	0.4		5.9			
OGA	i Pg	- 06:03:36.7	2.1			143.2	104.3	
BOURR	e Pg	Z 06:03:38.4	2.7		2.5	150.0	279.0	
	e Sg	N 06:03:54.4	1.1		4.4			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/01	07:31:05.4		47.200N	9.200E				13					3.5ML		NEIC	
2003/10/01	07:31:05.5	+ - 0.19	47.146N	9.172E	3.3	1.8	97	10G		49	20	241	3.4ML		LDG	L
2003/10/01	07:31:05.6	+ - 0.87	47.229N	9.242E	11.1	5.6	10	10G		16	8	271	3.2ML		SZGRF	L
2003/10/01	07:31:05.6	+ - 0.65	47.222N	9.236E	5.6	3.3	5	10G		21	11	261	3.2ML	GRFO	BGR	L
2003/10/01	07:31:05.3	+ - 0.30	47.200N	9.230E	2.0	1.0	68	12	+ - 4.0	21	9	88	3.4ML		LED	L
2003/10/01	07:31:05.4		47.200N	9.200E				13					3.0ML		SED	

Glarus, Walenstadt/CH, Walensee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WILA	i Pg	- 07:31:11.5	0.2			32.5	317.4	
		PmP 07:31:17.3	2.3					
LLS	i Sg	07:31:16.1	0.7					
	e Pg	+ 07:31:13.0	0.2			41.7	200.4	
ZUR	i Sg	07:31:18.5	0.6					
	i Pg	- 07:31:14.6	0.4			50.3	292.1	
SISB	i Sg	07:31:21.3	1.1					
	i Pg	- 07:31:15.4	0.1			56.9	341.9	ML 3.4
SLE	e Sg	07:31:22.6	0.5					
	e Pg	- 07:31:19.5	0.0			82.4	320.1	
UBR		PmP 07:31:21.0	-0.4					
		Sg 07:31:29.4	0.1					
GUT		SmS 07:31:32.3	-0.2					
	i Pg	+ 07:31:20.6	0.3			86.7	51.6	ML 3.1
GUT		PmP 07:31:22.7	0.6					
		Sg 07:31:31.7	1.2					
GUT		SmS 07:31:35.2	1.6					
	i Pn	- 07:31:21.8	-1.0			97.0	356.3	ML 3.5
	Pg	07:31:23.2	1.2					
	Sn	07:31:33.4	-1.6					

SPAK	e	Pn	-	07:31:23.4	-0.3	105.0	343.0	
	i	Pg	-	07:31:24.4	1.1			
FELD	i	Pn	-	07:31:25.4	0.2	117.1	310.4	
KIZ	e	Pn	-	07:31:26.8	0.3	127.7	311.6	ML 3.3
		Pg	-	07:31:27.5	0.4			
BBS	e	Pn	-	07:31:27.8	0.9	130.8	283.6	
FBB		Pg	-	07:31:28.4	0.1	134.7	311.9	
BUCH	e	Pn	-	07:31:28.0	0.0	139.4	4.6	ML 3.4
		Sg	-	07:31:46.0	0.6			
BFO		Pn	-	07:31:28.5	0.3	141.5	332.9	ML 3.2
		Pg	-	07:31:29.5	0.1			
		Sg	-	07:31:46.1	0.1			
OGA	i	Pg	+	07:31:30.7	0.9	143.2	104.3	
TUBL		Pn	-	07:31:29.2	0.3	147.3	356.6	ML 3.1
		Pg	-	07:31:30.5	0.1			
		Sn	-	07:31:45.6	0.0			
		Sg	-	07:31:48.0	0.4			
LIBD		Pg	-	07:31:33.1	0.6	159.6	312.1	
LBG		Pg	-	07:31:33.0	-0.6	165.5	349.6	ML 3.6
		Sn	-	07:31:48.8	-0.6			
		Sg	-	07:31:52.5	-0.4			
HDH	i	Pn	+	07:31:31.4	-0.4	171.2	25.6	ML 3.4
		Pg	-	07:31:34.2	-0.3			
		Sn	-	07:31:50.9	0.2			
		Sg	-	07:31:54.1	-0.3			
MOF	e	Pn	-	07:31:32.6	0.8	171.3	295.8	
LOMF	e	Pg	-	07:31:36.6	0.6	179.8	276.2	
FUR	e	Pg	Z	07:31:37.3	-0.1	2.6	188.7	54.7
	e	Sg	E	07:32:00.2	0.7	4.3		ML 3.2
ECH		Pn	-	07:31:35.0	0.9	190.0	307.2	
SCE	i	Pg	-	07:31:28.1	-9.7	190.8	94.5	ML 2.9
WLS	e	Pn	-	07:31:35.7	1.3	192.9	315.0	
LANF	e	Pn	-	07:31:39.1	0.9	223.4	332.9	
SIND		Pn	-	07:31:39.6	-0.7	240.8	7.0	ML 3.4
		Sg	-	07:32:13.3	-1.0			
KTD		Pn	-	07:31:41.9	0.5	249.8	341.1	
THEF		Pg	-	07:31:45.1	-5.3	265.7	296.7	
TOD		Pn	-	07:31:43.7	-0.1	269.1	353.9	
GRFO	e	Pg	Z	07:31:57.8	-0.9	3.4	314.5	27.5
	e	Sn	N	07:32:21.5	0.6	2.0		ML 3.2
	e	Sg	E	07:32:34.7	-0.6	5.0		
GRA1	e	Sn	N	07:32:22.5	1.5		314.6	27.5
	e	Sg	N	07:32:33.5	-1.8			ML 3.5
ABH	e	Pn	-	07:31:51.5	1.3	322.0	338.4	
TNS		Pn	-	07:31:53.2	0.7	340.6	350.9	ML 2.8
	e	(Sn)	N	07:32:29.1	2.7	3.4		
	e	Sg	N	07:32:42.6	-0.2	2.3		
WET	e	Pn	Z	07:31:53.5	0.2	3.5	347.9	50.2
	e	Pg	Z	07:32:04.2	-0.2	2.4		ML 3.1
	e	(Sn)	N	07:32:29.5	1.5	2.5		
	e	Sg	E	07:32:43.7	-1.1	2.2		
WLF	e	Pg	Z	07:32:05.5	0.0	1.3	354.4	321.8
	e	Sg	E	07:32:46.6	-0.1	1.6		ML 3.0
GEC2	e	(Pn)	Z	07:31:58.8	1.3	3.2	381.4	59.7
	e	Pg	Z	07:32:08.2	-1.9	4.7		ML 3.2
	e	(Sn)	E	07:32:38.7	3.6	3.6		
MOX	e	Pg	Z	07:32:16.7	-0.2	3.6	421.7	23.8
	e	(Sn)	N	07:32:45.1	1.6	2.3		ML 3.4

	e	Sg	E	07:33:04.4	-1.5	3.3											
TANN	e	Sn	N	07:32:48.2	2.9				429.8	32.5							
	e	Sg	E	07:33:07.7	-0.6												
CLZ	e	Sg	E	07:33:33.4	-1.4	3.3	523.0	8.9			ML	3.6					
CLL	e	Sg	E	07:33:37.6	-0.3	2.8	533.5	29.7			ML	3.6					
BRG	e	Sg	E	07:33:36.7	-1.6	2.3	534.9	38.5			ML	3.4					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/01	14:22:48.3		47.890N	7.730E				5					2.2ML		NEIC	
2003/10/01	14:22:48.7	+ - 0.05	47.885N	7.707E	1.2	0.8	174	5G		29	11	55	2.7ML		LDG	L
2003/10/01	14:22:48.4		47.900N	7.700E				10					2.2ML		SED	
2003/10/01	14:22:48.4	+ - 0.63	47.895N	7.695E	5.6	4.4	94	10G		11	7	191	1.8ML	BFO	BGR	L
2003/10/01	14:22:48.5	+ - 0.16	47.886N	7.738E	2.3	1.6	321	5G		20	15	97	2.2ML		LED	L

Freiburg i. Breisgau/Upper Rhine Graben

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
FBB	i	Pg	-	14:22:51.6	0.3	T	15.5	33.7	
KIZ	i	Pg	+	14:22:51.5	0.1	T	15.5	59.8	ML 2.0
	i	Sg		14:22:53.6	0.4	T			
FELD		Pg		14:22:52.3	0.3	T	19.9	93.0	
	i	Sg		14:22:55.0	0.6	T			
LIBD		Pg		14:22:56.0	2.1		31.1	341.2	
		Sg		14:22:58.2	0.7				
MOF		Pg		14:22:56.8	0.6	T	45.3	265.4	
SULZ	e	Pg	Z	14:22:57.0	0.1		3.5	48.6	144.6
	e	Sg	N	14:23:02.9	0.4		2.6		
BBS	i	Pg	+	14:22:57.2	0.1	T	49.9	200.2	
ECH	i	Pg	-	14:22:58.1	-0.0	T	56.6	310.6	
SLE	e	Pg	Z	14:22:58.6	0.2		9.5	57.9	103.0
	e	Sg	N	14:23:05.8	0.6		25.9		
WLS		Pg		14:22:59.9	0.2	T	65.1	334.2	
BFO	e	Pg	Z	14:22:59.9	0.2		11.1	66.1	41.4
	e	Sg	N	14:23:08.0	0.5		10.6		ML 1.8
BOURR	e	Pg	Z	14:23:00.0	0.1		1.5	66.5	215.0
SPAK		Pg		14:23:02.7	0.3	T	81.6	72.5	
ZUR	e	Sg	N	14:23:13.8	0.8		4.1	85.4	132.0
LOMF		Pg		14:23:04.1	0.2	T	90.5	229.2	
SISB		Pg		14:23:05.7	1.1	T	94.3	103.2	ML 2.4
WILA	e	Pg	Z	14:23:06.6	0.7		2.6	102.1	120.5
	e	Sg	N	14:23:19.3	1.5		3.2		
GUT	i	Pg	+	14:23:07.2	0.9	T	104.6	78.2	ML 2.3
		Sg		14:23:19.2	0.8	T			
LBG	i	Pg	-	14:23:08.9	0.5	T	116.6	41.7	ML 2.0
		Sg		14:23:22.7	0.8	T			
TUBL		Pg		14:23:10.0	0.7	T	122.2	54.1	ML 2.2
THEF		Pg		14:23:11.1	-0.4	T	135.1	287.0	
BUCH	i	Pg	-	14:23:12.2	0.7	T	135.2	61.8	ML 1.9
		Sg		14:23:28.6	1.4	T			
KAMOR	e	Sg	N	14:23:32.2	1.6		2.5	147.0	116.2
UBR		Pg		14:23:19.8	0.9		178.5	96.5	ML 2.3
		Sg		14:23:41.0	1.4				

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type

2003/10/01	15:23:07.4	+- 0.05	47.886N	7.717E	1.1	0.8	166	7G	24	10	55	2.7ML	LDG	L	
2003/10/01	15:23:06.5		47.900N	7.700E				10				1.9ML	SED		
2003/10/01	15:23:07.4	+- 0.43	47.901N	7.701E	4.4	3.3	101	10G	12	8	69	1.7ML	BFO	BGR	L
2003/10/01	15:23:07.4	+- 0.22	47.890N	7.732E	3.4	2.0	324	5G	21	15	96	2.1ML	LED	L	

Freiburg i. Breisgau/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FBB	Pg	15:23:10.4	0.3	T		15.3	36.0	
KIZ	i Pg +	15:23:10.3	0.1	T		15.7	62.0	ML 2.0
	i Sg	15:23:12.4	0.3	T				
FELD	Pg	15:23:11.1	0.2	T		20.3	94.2	
	i Sg	15:23:13.9	0.5	T				
LIBD	Pg	15:23:12.3	-0.3	T		30.5	341.7	
MOF	Pg	15:23:15.2	0.2	T		44.9	264.8	
	Sg	15:23:20.7	0.4					
SULZ	e Pg Z	15:23:15.6	-0.2		2.7	49.2	144.5	
	e Sg N	15:23:21.9	0.3		3.6			
BBS	i Pg +	15:23:16.0	0.1	T		50.2	199.5	
ECH	Pg -	15:23:17.0	0.1	T		56.0	310.6	
SLE	e Pg Z	15:23:17.5	0.2		13.9	58.5	103.3	
	e Sg N	15:23:24.6	0.5		16.6			
WLS	e Pg	15:23:18.8	0.5	T		64.6	334.4	
	PmP	15:23:20.3	-1.5	T				
	Sg	15:23:29.2	3.3					
BFO	e Pg Z	15:23:18.8	0.1		8.0	66.0	42.0	ML 1.7
	e Sg N	15:23:26.9	0.6		8.9			
BOURR	e Pg Z	15:23:18.7	-0.0		5.4	66.6	214.5	
	e Sg N	15:23:27.0	0.5		5.0			
SPAK	Pg	15:23:21.6	0.3	T		81.9	72.9	
ZUR	e Sg N	15:23:32.8	0.8		3.4	86.1	132.0	
LOMF	Pg	15:23:23.1	0.4	T		90.5	228.8	
SISB	e Pg -	15:23:24.7	1.2	T		94.8	103.4	ML 2.3
WILA	e Sg N	15:23:38.1	1.3		3.3	102.7	120.5	
GUT	i Pg +	15:23:26.0	0.8	T		104.9	78.4	ML 2.2
LBG	Pn	15:23:26.5	-1.5	T		116.6	42.0	ML 2.0
	Pg	15:23:27.6	0.5	T				
	Sg	15:23:41.7	1.0	T				
TUBL	Pg	15:23:25.2	-3.0			122.3	54.4	ML 2.6
THEF	Pg	15:23:30.1	-0.1	T		134.5	286.9	
BUCH	e Pn -	15:23:29.2	-1.2	T		135.3	62.0	ML 1.8
	Pg	15:23:31.0	0.7	T				
KAMOR	e Sg N	15:23:51.3	1.7		3.7	147.6	116.2	
UBR	Pg	15:23:38.5	0.8			179.0	96.6	ML 2.3
	Sg	15:24:00.2	1.6					
HDH	Sg	15:24:02.2	-2.1			198.9	66.2	ML 2.5
SIND	Pg	15:23:43.0	-0.5			212.8	39.6	ML 2.1
TNS	e Sg E	15:24:22.7	-0.2		1.7	264.5	11.1	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/02	23:34:24.4	+- 0.55		51.478N	16.218E	5.6	4.4	102	1G		20	12	267	3.9ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	23:34:52.4	0.0	T		172.3	247.9	ML 3.6

RUE	e	Sg	N	23:35:14.1	0.5	T												
	e	Sg	N	23:35:22.6	0.9	T												
CLL	e	Pn	Z	23:34:58.5	-0.1	T												
	e	Sg	N	23:35:28.0	-0.4	T												
WERD	e	Pn	Z	23:35:08.5	1.0	T												
	e	Sg	N	23:35:48.3	-0.9	T												
MOX	e	Pn	Z	23:35:12.7	0.6	T												
	e	Sg	N	23:36:01.2	1.2	T												
GEC2	e	Pn	Z	23:35:14.5	1.3	T												
	e	Sg	N	23:36:02.6	0.1	T												
WET	e	Pn	Z	23:35:15.4	1.2	T												
	e	Sg	N	23:36:04.9	0.0	T												
GRA1	e	Pn	Z	23:35:22.2	1.5	T												
	e	Sg	N	23:36:20.4	0.4	T												
NRDL	e	Pn	Z	23:35:26.1	1.9	T												
FUR	e	Pn	Z	23:35:35.8	2.1	T												
TNS	e	Pn	Z	23:35:41.1	1.2	T												
BFO	e	Pn	Z	23:35:52.8	0.4	T												

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/03	09:11:22.6	+ -	0.11	51.145N	5.979E	1.9	1.1	159	9G		21	10	208	2.7ML		LDG	L
2003/10/03	09:11:21.8	+ -	0.99	51.144N	5.993E	12.2	4.4	105	10G		6	4	226	2.0ML	WLF	BGR	L

Waldfeucht, S of Roermond/NL, Dutch-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z 09:11:38.0	0.1	T	4.9	94.7	69.1	ML 2.5
	e Sg	N 09:11:49.5	0.5	T	15.2			
WLF	e Sg	N 09:12:08.9	-0.1	T	2.1	164.9	176.0	ML 2.0
IBBN	e Pg	Z 09:11:52.3	0.4	T		177.4	42.5	ML 2.2
	e Sg	N 09:12:11.9	-0.6	T	3.6			
TNS	e Sg	N 09:12:19.1	-0.1	T	2.5	201.0	119.7	ML 1.9

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/03	16:01:1.1	+ -	0.63	51.515N	16.249E	6.7	5.6	97	1G		17	9	269	3.4ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 16:01:29.5	-0.0	T		175.8	247.0	ML 3.3
	e Sg	N 16:01:51.3	-0.1	T				
RUE	e Pn	Z 16:01:32.9	0.4	T		200.0	303.3	ML 3.2
	e Sg	N 16:01:59.4	1.1	T				
CLL	e Pn	Z 16:01:35.8	0.1	T		226.3	265.4	ML 3.2
	e Sg	N 16:02:04.9	-0.9	T				
WERD	e Pn	Z 16:01:45.7	1.0	T		300.3	248.3	ML 3.4
	e Sg	N 16:02:25.4	-1.5	T				
MOX	e Pn	Z 16:01:50.1	0.8	T		337.7	255.2	ML 3.6
	e Sg	N 16:02:38.3	0.7	T				
GEC2	e Pn	Z 16:01:52.0	1.5	T		347.8	212.4	ML 3.5
	e Sg	N 16:02:41.3	0.8	T				
WET	e Pn	Z 16:01:52.7	1.2	T		355.9	223.5	ML 3.4
	e Sg	N 16:02:43.4	0.6	T				

GRA1	e	Pn	Z	16:01:59.5	1.6	T	408.5	242.2	ML	3.9
	e	Sg	N	16:02:57.9	0.1	T				
TNS	e	Sg	N	16:03:45.2	2.5	T	565.7	258.3		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/05	03:52:21.2	+-	0.71	51.618N	16.249E	14.5	6.7	170	1G		14	10	308	4.7ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 03:52:49.9	-0.3	T		180.6	243.6	ML 4.4
	e Sg	N 03:53:12.2	-0.6	T				
CLL	e Pn	Z 03:52:56.3	0.4	T		227.5	262.5	ML 4.3
	e Sg	N 03:53:26.4	0.2	T				
TANN	e Pn	Z 03:53:05.3	0.9	T		296.8	244.7	ML 4.7
MOX	e Pn	Z 03:53:10.6	0.8	T		340.9	253.3	ML 4.8
	e Sg	N 03:53:59.8	1.2	T				
GEC2	e Pn	Z 03:53:12.8	1.0	T		357.6	211.4	ML 4.4
WET	e Pn	Z 03:53:13.9	1.3	T		364.3	222.3	
GRA1	e Pn	Z 03:53:20.1	1.5	T		413.9	240.8	ML 5.1
	e Sg	N 03:54:19.8	0.3	T				
FUR	e Pn	Z 03:53:33.9	1.9	T		523.7	224.8	ML 5.1
TNS	e Pn	Z 03:53:39.3	1.9	T		568.1	257.2	
BFO	e Pn	Z 03:53:50.8	0.5	T		673.5	240.2	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/05	11:54:46.8	+-	1.76	50.185N	18.163E	14.5	11.1	97	1G		7	6	315	3.1ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 11:55:32.4	1.1	T		307.9	286.0	ML 2.8
	e Sg	N 11:56:15.5	0.7	T				
GEC2	e Sg	N 11:56:29.0	0.8	T		354.8	246.9	ML 3.1
CLL	e Sg	N 11:56:36.4	-0.1	T		383.8	291.0	ML 3.3
WET	e Sg	N 11:56:40.0	-0.3	T		397.5	255.1	
TANN	e Sg	N 11:56:42.7	-0.0	T		405.7	275.8	
MOX	e Sg	N 11:57:01.1	1.0	T		466.6	278.8	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/07	03:55:37.3	+-	0.14	50.232N	6.258E	2.5	1.5	32	3G		29	12	232	2.5ML		LDG	L
2003/10/07	03:55:36.5	+-	0.67	50.294N	6.375E	10.0	4.4	120	5G		5	3	100	1.9ML	TNS	BGR	L

Pruem/Eifel

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 03:55:48.6	-0.0	T	4.8	71.8	192.9	ML 1.7
	e Sg	E 03:55:57.2	0.1	T	4.9			
BUG	e Sg	N 03:56:17.1	0.0	T	1.6	142.1	25.9	ML 2.0
TNS	e Pg	Z 03:56:01.8	0.3	T	1.7	147.5	92.3	ML 1.9
	e Sg	E 03:56:18.7	0.0	T	2.5			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/09	02:11:16.0	+ - 0.04	50.371N	7.380E	0.9	0.6	83	4G		37	11	92	2.5ML		LDG	L
2003/10/09	02:11:15.4	+ - 0.36	50.365N	7.408E	4.4	3.3	139	10G		10	7	125	2.1ML	BUG	BGR	L

Koblentz/Middle Rhine Area

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	02:11:29.0	0.7	T	3.9	75.5	101.7	ML 1.7
	e Sg	N	02:11:37.8	0.6	T	3.7			
WLF	e Pg	Z	02:11:35.4	-0.2	T	3.2	118.8	229.5	ML 1.8
	e Sg	N	02:11:49.8	0.3	T	4.4			
BUG	e Pg	Z	02:11:35.7	-0.1	T	1.8	120.0	355.4	ML 2.1
	e Sg	N	02:11:50.0	0.2	T	2.7			
UBBA	e Sg	N	02:12:09.6	-0.1	T	2.9	189.8	73.6	
BFO	e Sg	E	02:12:22.3	-0.6	T	2.0	235.9	163.2	
CLZ	e Sg	N	02:12:30.5	-0.5	T	1.4	264.1	50.4	
MOX	e Sg	N	02:12:41.2	0.3	T	2.7	299.1	82.4	ML 2.3

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/10	01:24:57.0		47.890N	8.720E				10					2.4ML		NEIC	
2003/10/10	01:24:56.8	+ - 0.11	47.853N	8.754E	1.9	1.1	129	10	+ - 0.0	19	8	231	2.4ML		LDG	L
2003/10/10	01:24:56.1		47.900N	8.700E				7					1.8ML		SED	
2003/10/10	01:24:55.7	+ - 1.43	47.803N	8.700E	14.5	4.4	16	10G		7	6	241	1.3ML	BFO	BGR	L
2003/10/10	01:24:57.0	+ - 0.09	47.858N	8.713E	1.2	1.0	352	7	+ - 1.8	20	9	137	1.8ML		LED	L

Tuttlingen/Swabian Jura

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
SISB	i Pg	-	01:25:02.0	0.3	T		26.8	135.4	ML 2.0
	Sg		01:25:05.7	0.7	T				
SPAK	Pg		01:25:02.1	0.2	T		27.7	11.3	
GUT	P*		01:25:05.3		T		38.2	51.6	ML 1.7
	i Pg	+	01:25:03.7	0.1	T				
	S*		01:25:09.9		T				
	i Sg		01:25:08.4	0.2	T				
FELD	Pg		01:25:06.4	0.3	T		52.9	272.5	
BFO	e Pg	Z	01:25:07.2	-0.0		3.6	59.7	331.7	ML 1.3
	e Sg	E	01:25:14.4	0.2					
KIZ	i Pg	+	01:25:07.4	0.1	T		60.2	280.7	ML 1.7
	i PmP		01:25:09.6	-1.0	T				
	e Sg		01:25:14.9	0.5	T				
	SmS		01:25:18.2	-1.8	T				
BUCH	Pg		01:25:11.1	0.3	T		81.1	35.6	ML 1.6
	PmP		01:25:13.7	0.3					
	Sg		01:25:21.0	0.7	T				
LBG	i Pg	-	01:25:12.3	-0.0	T		89.8	3.8	ML 2.1
	Sg		01:25:23.0	0.3	T				
UBR	Pg		01:25:16.4	1.3	T		106.1	100.2	ML 1.8
	Sg		01:25:28.8	1.3	T				
HDH	Pg		01:25:20.7	0.4	T		137.0	53.3	ML 2.0
	Sg		01:25:36.1	-0.1	T				
SIND	Pg		01:25:27.1	-0.1			178.3	21.3	ML 2.0
	Sn		01:25:44.2	-0.7					
	Sg		01:25:47.5	-0.5					

FUR	e	Sg	N	01:25:51.9	-0.4	193.6	79.0
TNS	e	Sg	E	01:26:13.2	0.8	263.6	355.9
GRFO	e	Sg	N	01:26:15.4	-0.0	274.4	41.1
WLF	e	Sg	N	01:26:15.0	-0.6	274.9	317.9
WET	e	Sg	N	01:26:33.5	-0.3	338.5	63.5

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/10	02:31:34.9	+/- 0.68	51.649N	7.677E	12.2	5.6	155	1G		6	3	211	2.0ML		SZGRF	I
2003/10/10	02:31:32.0		51.627N	7.802E				1G					2.0ML		BUG	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	02:31:40.2	1.0	TA		42.3	240.8	ML 2.0
	e Sg N	02:31:46.6	2.5					
TNS	e Pg Z	02:32:00.3	0.7			162.6	163.6	ML 2.0
	e Sg E	02:32:23.4	5.0					
CLZ	e Pg Z	02:32:05.4	3.1			178.6	81.3	
	e Sg E	02:32:28.9	5.9					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/11	22:09:32.6		51.482N	6.526E				5					2.4ML		NEIC	
2003/10/11	22:09:34.3	+/- 0.12	51.541N	6.630E	1.9	1.5	29	1G		30	14	261	2.4ML		LDG	I?
2003/10/11	22:09:35.2	+/- 0.63	51.483N	6.682E	7.8	4.4	118	1G		9	5	207	2.0ML		SZGRF	I
2003/10/11	22:09:33.7	+/- 0.59	51.482N	6.667E	5.6	3.3	120	1G		13	7	208	2.1ML	TNS	BGR	I
2003/10/11	22:09:32.3		51.494N	6.590E				1G					1.7ML		BUG	I

Moers, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	22:09:41.3	1.0	TA		47.4	97.0	ML 1.7
	e Sg N	22:09:46.5	0.7					
IBBN	e Pg Z	22:09:53.5	0.7		3.4	120.7	41.1	ML 2.3
	e Sg E	22:10:07.9	1.1					
TNS	e Pg Z	22:10:05.4	0.5		5.0	192.3	136.6	ML 2.1
	e Sg N	22:10:27.6	0.4					
WLF	e Pg Z	22:10:08.9	1.7		2.6	205.8	188.8	ML 2.2
	e Sg E	22:10:32.3	1.2					
UBBA	e Pg Z	22:10:14.2	-0.4		2.1	249.4	106.2	
	e Sg N	22:10:43.4	-0.1					
CLZ	e Pg Z	22:10:18.1	1.1		3.3	263.6	80.1	
	e Sg E	22:10:47.4	-0.2					
MOX	e Sg Z	22:11:16.2	0.1			363.5	103.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/13	14:41:18.5	+/- 0.69	51.492N	6.537E	7.8	3.3	120	1G		11	6	214	2.1ML	BUG	BGR	I
2003/10/13	14:41:19.0		51.471N	6.618E				1G					1.8ML		BUG	I

Moers, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg - Z	14:41:27.7	1.0	TA		45.2	94.0	ML 1.8

	e	Sg	E	14:41:34.1	2.2													
IBBN	e	Sg	N	14:41:54.0	0.3			121.5	39.6					ML	2.3			
TNS	e	Pg	Z	14:41:51.4	0.4		4.6	189.1	136.5					ML	1.9			
	e	Sg	N	14:42:14.3	1.3													
WLF	e	Pg	Z	14:41:53.8	0.4		1.6	203.5	189.5					ML	2.3			
	e	Sg	E	14:42:16.8	-0.3													
CLZ	e	Pn	Z	14:41:58.3	0.3		1.0	262.2	79.5					ML	2.2			
	e	Pg	Z	14:42:03.2	-0.2		2.7											
	e	Sg	E	14:42:34.5	0.5													
NRDL	e	Pg	Z	14:42:04.4	0.6		1.5	264.6	63.2									

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/16	15:34:30.0	+ - 0.65	51.476N	16.294E	5.6	4.4	125	1G		17	10	280	3.5ML		SZGRF	I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e	Pn	Z	15:34:58.4	-0.1	T	177.1	248.7	ML 3.3
	e	Sg	N	15:35:20.1	-0.4	T			
RUE	e	Pn	Z	15:35:02.0	0.0	T	204.9	303.8	ML 3.4
	e	Sg	N	15:35:29.3	0.7	T			
CLL	e	Pn	Z	15:35:04.9	0.0	T	229.1	266.6	ML 3.3
WERD	e	Pn	Z	15:35:15.2	1.5	T	301.7	249.3	ML 3.5
	e	Sg	N	15:35:57.0	0.8	T			
GUNZ	e	Pn	Z	15:35:15.6	1.6	T	304.0	247.5	ML 3.7
	e	Sg	N	15:35:56.9	0.1	T			
MOX	e	Pn	Z	15:35:19.8	1.4	T	339.7	256.0	ML 3.7
	e	Sg	N	15:36:07.5	0.4	T			
WET	e	Pn	Z	15:35:21.5	1.3	T	355.0	224.4	ML 3.5
	e	Sg	N	15:36:12.0	0.6	T			
GRA1	e	Pn	Z	15:35:28.4	1.5	T	409.2	243.0	ML 4.0
	e	Sg	N	15:36:26.7	-0.3	T			
CLZ	e	Sg	N	15:36:27.5	0.2	T	410.3	278.0	ML 3.5
UBBA	e	Sg	N	15:36:37.7	0.7	T	444.8	263.0	ML 3.6

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/17	07:58:31.0	+ - 1.35	48.393N	5.910E	16.7	5.6	71	10G		6	5	50	2.1ML	WLF	BGR	I

Chatenois/Vosges/F

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e	Sg	N	07:59:11.3	-0.5	T	3.1	142.5	7.0 ML 2.1
BOURR	e	Sg	N	07:59:14.1	0.6	T	3.9	148.4	137.9
BFO	e	Pg	Z	07:59:00.9	-0.5	T	1.1	178.9	91.3 ML 1.9
	e	Sg	E	07:59:21.3	-0.9	T	1.4		
SLE	e	Sg	N	07:59:29.6	0.2	T	2.9	204.2	109.0
TNS	e	Sg	E	07:59:50.7	1.3	T	1.9	274.2	41.2

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/18	10:59:02.6	+ - 0.14	51.586N	6.794E	2.5	2.0	27	1G		65	30	259	3.4ML		LDG	I?
2003/10/18	10:59:02.8	+ - 0.49	51.560N	6.861E	7.8	4.4	116	1G		16	10	202	2.8ML		SZGRF	I
2003/10/18	10:59:02.0	+ - 0.41	51.533N	6.894E	5.6	3.3	120	1G		26	13	199	2.8ML	TNS	BGR	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg - Z	10:59:08.2	1.1	TA		27.4	109.2	ML 2.0
	e Sg N	10:59:11.6	1.3		3.6			
IBBN	e Pg Z	10:59:18.7	-1.6		13.6	105.4	33.7	ML 3.0
	e Sg N	10:59:32.8	0.2	4.8				
TNS	e Pg Z	10:59:32.1	-1.1		7.4	180.9	142.4	ML 2.8
	e Sg N	10:59:54.5	0.3	3.1				
WLF	e Pn Z	10:59:35.2	-0.2		1.0	213.1	194.5	ML 2.8
	e Pg Z	10:59:37.5	-1.1	13.4				
	e Sg N	11:00:02.4	-1.0	3.2				
UBBA	e Pg Z	10:59:41.0	-0.5		1.8	230.1	108.6	
	e Sg N	11:00:08.5	0.3	2.0				
CLZ	e Pn Z	10:59:37.9	-1.1		1.6	242.3	80.2	ML 2.8
	e Pg Z	10:59:42.9	-0.7	12.2				
	e Sg N	11:00:11.1	-0.6	2.7				
NRDL	e Pn Z	10:59:39.9	0.6		1.0	244.9	62.6	
	e Pg Z	10:59:45.2	1.2	4.3				
	e Sg N	11:00:08.9	-3.6	2.5				
MOX	e Pn Z	10:59:52.2	0.8		2.5	343.7	104.6	ML 3.0
	e Sn N	11:00:27.4	0.9					
	e Sg N	11:00:40.1	-0.6	3.3				
GRFO	e Sg N	11:00:46.2	-1.0		2.2	366.7	122.0	ML 3.2
BFO	e Pn Z	10:59:53.7	-0.8		2.9	369.4	163.3	
	e Sg N	11:00:48.6	0.5	1.3				
WERD	e Pn Z	10:59:58.7	0.8			397.0	105.4	
GUNZ	e Pn Z	10:59:59.5	1.1			401.9	106.6	
CLL	e Sg N	11:01:03.5	-0.2		2.1	424.0	90.8	ML 3.2
BRG	e Sg N	11:01:24.4	0.1		2.4	496.1	95.6	
WET	e Sg N	11:01:24.3	-1.0		2.1	500.0	119.6	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/19	03:52:40.5	+-	0.74	51.429N	16.225E	12.2	6.7	158	1G		14	7	316	3.4ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg Z	03:53:09.5	0.1	T		170.7	249.7	ML 3.2
	e Sg N	03:53:30.0	0.7	T				
CLL	e Pn Z	03:53:14.4	-0.3	T		224.1	267.8	ML 3.3
	e Sg N	03:53:43.9	-0.6	T				
TANN	e Pn Z	03:53:23.5	1.1	T		286.9	248.3	ML 3.4
	e Sg N	03:54:01.9	-0.5	T				
WERD	e Pn Z	03:53:24.3	0.8	T		295.4	249.9	ML 3.3
	e Sg N	03:54:04.4	-0.4	T				
MOX	e Pn Z	03:53:28.8	0.7	T		333.8	256.7	ML 3.6
	e Sg N	03:54:17.2	1.4	T				
WET	e Pn Z	03:53:31.3	1.5	T		347.9	224.4	ML 3.3
	e Sg N	03:54:18.8	-1.0	T				
GRA1	e Pn Z	03:53:38.2	1.7	T		402.6	243.3	ML 3.8
	e Sg N	03:54:36.5	1.0	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/19	21:33:27.0	+ - 0.06	50.389N	7.362E	1.5	0.8	80	3G		23	10	170	2.4ML		LDG	L
2003/10/19	21:33:27.6	+ - 0.43	50.350N	7.379E	5.6	4.4	126	5G		6	5	126	1.7ML	BUG	BGR	L

Koblenz/Middle Rhine Area

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	21:33:40.5	-0.2	T	3.8	77.2	100.2	ML 1.4
WLF	e Pg	Z	21:33:47.2	-0.1	T	1.7	116.1	229.5	ML 1.7
	e Sg	E	21:34:01.1	0.3	T	3.7			
BUG	e Sg	N	21:34:02.4	0.1	T	1.7	121.5	356.4	ML 1.7
UBBA	e Sg	E	21:34:22.9	0.3	T	2.9	192.3	73.3	
BFO	e Sg	E	21:34:34.8	0.1	T	2.2	234.9	162.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/20	13:59:07.4	+ - 0.35	51.572N	7.777E	4.4	3.3	179	1G		9	5	111	2.1ML	TNS	BGR	I
2003/10/20	13:59:05.8		51.640N	7.732E				1G					2.0ML		BUG	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	- Z	13:59:13.4	1.0	TA		38.9	235.5	ML 2.0
	e Sg	E	13:59:18.9	1.9					
IBBN	e Pg	Z	13:59:20.8	2.4		2.4	74.2	1.3	ML 2.1
	e Sg	E	13:59:30.9	3.9					
TNS	e Pg	Z	13:59:34.4	0.6		2.6	165.4	162.1	ML 2.1
	e Sg	E	13:59:52.1	-1.0					
UBBA	e Sg	E	13:59:57.5	-0.4			182.5	119.1	
CLZ	e Pg	Z	13:59:38.1	1.3		3.0	183.2	81.9	ML 2.2
	e Sg	N	13:59:59.9	1.7					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/20	15:31:22.0	+ - 0.75	51.620N	16.201E	11.1	5.6	155	1G		14	7	319	3.2ML		SZGRF	I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	15:31:52.1	-0.0	T		177.7	243.0	ML 3.0
	e Sg	N	15:32:12.9	0.2	T				
CLL	e Pn	Z	15:31:56.5	0.2	T		224.2	262.3	ML 2.9
	e Sg	N	15:32:26.0	-0.0	T				
TANN	e Pn	Z	15:32:05.8	1.0	T		293.9	244.3	ML 3.3
	e Sg	N	15:32:45.7	-0.2	T				
WERD	e Pn	Z	15:32:06.4	0.6	T		301.8	245.9	ML 3.0
	e Sg	N	15:32:48.5	0.2	T				
MOX	e Pn	Z	15:32:11.0	0.9	T		337.8	253.1	ML 3.4
	e Sg	N	15:32:59.3	0.9	T				
WET	e Pn	Z	15:32:13.9	0.8	T		362.3	221.8	ML 3.0
	e Sg	N	15:33:05.5	-0.0	T				
GRA1	e Pn	Z	15:32:20.7	1.7	T		411.2	240.5	ML 3.6
	e Sg	E	15:33:19.7	0.3	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/23	08:19:24.7	+ - 1.53	47.597N	12.820E	13.3	6.7	168	10G		8	6	274	2.1ML	GEC2	BGR	I

Koenigsee, S of Salzburg/A, German-Austrian border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FUR	e Sg E	08:20:02.5	0.2	T		131.3	299.2	ML 2.3
GEC2	e Pg Z	08:19:50.9	0.2	T	6.0	153.4	24.9	ML 2.1
	e Sg N	08:20:08.8	0.2	T				
WET	e Pg Z	08:19:53.4	-0.5	T	3.0	172.1	1.4	ML 2.2
	e Sg E	08:20:13.1	-0.9	T				
GRFO	e Sg N	08:20:39.6	0.4	T		260.8	333.8	
MOX	e Sg N	08:21:04.5	-0.2	T		350.0	346.0	
BRG	e Sg N	08:21:11.9	0.5	T		373.3	12.2	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/24	01:52:42.5	+ - 0.29	53.284N	6.578E	5.4	4.8	72	10G		37	22	299	2.9ML		LDG	I
2003/10/24	01:52:40.8	+ - 1.16	53.271N	6.394E	13.3	7.8	141	1G		8	6	19	2.8ML	BUG	BGR	I

event in a gas extraction field

Groningen/NL

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e Pg Z	01:53:04.0	-0.7	T	8.9	141.0	138.9	ML 3.1
	e Sg N	01:53:20.7	-0.4	T	5.1			
BUG	e Pg Z	01:53:17.0	0.2	T	3.0	212.0	163.4	ML 2.8
NRDL	e Pg Z	01:53:26.5	1.0	T	4.5	263.7	107.6	
	e Sg E	01:53:56.7	0.6	T	2.1			
CLZ	e Pn Z	01:53:24.9	-0.9	T	2.3	312.3	119.0	ML 2.8
	e (Sn) E	01:53:53.8	-4.4					
TNS	e Pn Z	01:53:32.8	0.3	T	5.8	367.2	156.6	ML 3.0
	e (Sn) N	01:54:06.8	-3.0					
WLF	e Sg N	01:54:35.9	0.4	T	1.6	401.3	182.5	
MOX	e (Sg)	01:54:54.2	1.5			461.6	127.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/24	16:53:17.7	+ - 0.60	51.495N	16.239E	5.6	4.4	70	1G		18	9	268	3.6ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	16:53:45.7	-0.3	T		174.3	247.5	ML 3.5
	e Sg N	16:54:07.1	-0.4	T				
RUE	e Pn Z	16:53:49.1	0.0	T		200.6	303.9	ML 3.4
	e Sg E	16:54:15.6	0.6	T				
CLL	e Pn Z	16:53:52.0	-0.1	T		225.4	266.0	ML 3.4
	e Sg N	16:54:21.6	-0.5	T				
MOX	e Pn Z	16:54:06.4	0.7	T		336.5	255.5	ML 3.8
	e Sg N	16:54:53.8	-0.1	T				
GEC2	e Pn Z	16:54:08.4	1.6	T		345.6	212.5	ML 3.6
	e Sg Z	16:54:56.9	0.5	T				
WET	e Pn Z	16:54:09.0	1.2	T		353.9	223.7	ML 3.5
	e Sn N	16:54:47.9	4.1	T				

CLZ	e	Pn	Z	16:54:15.8	1.6	T	406.3	277.7	ML	3.6
	e	Sg	N	16:55:15.4	1.6	T				
GRA1	e	Pn	Z	16:54:15.9	1.6	T	406.8	242.4	ML	4.0
	e	Sg	E	16:55:13.5	-0.4	T				
TNS	e	Pn	Z	16:54:34.8	1.3	T	564.6	258.5		
	e	Sg	N	16:56:00.2	1.2	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/25	22:52:26.5	+- 0.05	50.262N	6.298E	1.1	0.8	121	5G		31	11	93	2.3ML		LDG	L
2003/10/25	22:52:26.5		50.288N	6.394E				5G		6	3	191	1.8ML	TNS	BGR	L

Pruem/Eifel

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 22:52:39.1	0.4	T	3.4	71.4	194.1	ML 1.4
	e Sg	E 22:52:46.7	-0.3	T	5.2			
BUG	e Pg	Z 22:52:50.5	-0.1	T	1.7	142.1	25.3	ML 1.8
	e Sg	N 22:53:07.1	-0.1	T	1.8			
TNS	e Pg	Z 22:52:51.9	0.6	T	1.4	146.1	92.1	ML 1.8
	e Sg	N 22:53:08.2	-0.1	T	1.8			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/26	06:36:15.0	+- 0.15	49.684N	8.483E	2.2	1.1	77	16	+- 0.7	21	10	241	2.3ML		LDG	L
2003/10/26	06:36:15.4	+- 1.00	49.700N	8.470E	13.0	8.0	71	10G		9	5	169	1.7ML		LED	L
2003/10/26	06:36:15.3	+- 0.35	49.689N	8.538E	3.3	3.3	161	10G		10	8	84	1.6ML	TNS	BGR	L

Worms

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TOD	Pg	06:36:21.2	1.9			21.3	115.7	
SWS	i Pg -	06:36:20.5	0.6			25.6	152.7	ML 1.4
	e Sg	06:36:24.3	1.2					
TNS	e Pg	Z 06:36:25.3	-0.2	T	4.2	59.7	353.8	ML 1.6
	e Sg	N 06:36:33.3	0.7	T	6.5			
	SmS	06:36:34.7	-2.8					
SIND	e Pg	06:36:31.0	1.1			85.9	115.7	ML 2.0
	e Sg	06:36:41.5	1.5					
BFO	e Pg	Z 06:36:41.3	0.3	T	3.5	151.9	185.8	ML 1.4
	e Sg	N 06:36:59.1	0.4	T	2.5			
UBBA	e Sg	N 06:37:01.6	-0.3	T	2.5	163.1	39.1	
WLF	e Sg	N 06:37:03.9	-0.5	T	1.5	171.7	270.0	
GRFO	e Sg	N 06:37:10.3	-0.2	T	3.3	192.9	88.9	ML 2.0
FELD	Pg	06:36:50.3	0.2			205.3	191.2	
MOX	e Sg	E 06:37:25.5	0.6	T	1.7	243.6	63.0	ML 1.9
WET	e Sg	E 06:37:46.6	-0.0	T	2.1	319.7	99.3	
GEC2	e Sg	N 06:38:05.7	0.1	T	1.7	386.1	102.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/26	09:39:53.3	+- 0.46	50.206N	6.278E	9.5	4.7	24	5G		9	5	230	2.1ML		LDG	L
	probably mislocated (after BGR)															

Ommerwald/B, S of Malmedy, Belgian-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Sg E	09:40:33.2	22.5			60.8	188.5	
BUG	e Sg E	09:40:23.1	-14.2			154.0	26.5	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/28	00:50:59.3	+-	0.54	51.609N	7.824E	7.8	4.4	168	1G		8	4	196	2.1ML		SZGRF	I
2003/10/28	00:50:59.2	+-	0.31	51.558N	7.797E	3.3	2.2	160	1G		19	11	107	2.1ML	TNS	BGR	I
2003/10/28	00:50:57.8			51.627N	7.790E				1G					2.0ML		BUG	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	00:51:05.8	1.0	TA		41.5	240.3	ML 2.0
	e Sg N	00:51:11.2	1.5		3.9			
IBBN	e Pg Z	00:51:12.8	2.1		2.9	75.7	358.3	
TNS	e Pg Z	00:51:25.1	-0.3		6.6	162.8	163.3	ML 2.1
	e Sg N	00:51:43.6	-0.7		3.7			
UBBA	e Pg Z	00:51:29.0	1.0		2.2	178.2	119.4	
	e Sg E	00:51:49.2	0.5		2.7			
CLZ	e Pn Z	00:51:28.2	1.6		2.0	179.4	81.3	ML 2.1
	e Pg Z	00:51:30.0	1.8		2.4			
	e Sg N	00:51:50.8	1.8		3.3			
NRDL	e Pg Z	00:51:31.5	2.3		0.8	185.5	57.8	
WLF	e Pg Z	00:51:39.3	-0.4		2.1	246.8	208.5	
	e Sg Z	00:52:07.7	-0.6		1.6			
MOX	e Pg Z	00:51:48.7	2.0		2.0	288.3	110.8	
	e Sg E	00:52:20.4	0.3		3.2			
CLL	e Pg Z	00:51:59.9	0.6		1.2	362.7	93.6	
	e Sg N	00:52:43.5	2.1		1.8			
BFO	e Pn Z	00:51:50.5	0.8		1.5	368.6	173.8	
WET	e Pn Z	00:52:00.2	0.1		0.9	454.1	125.4	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/29	07:15:31.2			47.300N	12.100E				10					3.7ML		SED	
2003/10/29	07:15:33.7			47.545N	11.973E				10G		79	41		3.8ML		LDG	L
2003/10/29	07:15:33.1	+-	4.00	47.620N	12.080E	56.0	23.0	87	10G		29	23	309	3.9ML		LED	L
2003/10/29	07:15:32.3	+-	0.44	47.525N	12.028E	4.4	2.2	159	10G		43	14	249	4.0ML	MOX	BGR	L
2003/10/29	07:15:31.3	+-	0.28	47.515N	11.992E	6.7	3.3	13	10G		17	12	108	4.0ML		SZGRF	L

Inntal, NE of Innsbruck/A

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WTTA	e Pg Z	07:15:36.7	-1.4	T		38.7	223.9	
SCE	i Pg -	07:15:39.7	-1.4			57.1	202.0	ML 3.3
	e Sg	07:15:47.1	-0.8					
FUR	e Pg Z	07:15:46.8	0.2	T		89.7	323.7	ML 4.6
	e Sg N	07:15:58.5	1.4	T				
OGA	i Pg -	07:15:47.1	-1.7			102.5	225.8	
KBA	e Pg Z	07:15:49.3	-1.2	T		113.0	115.0	
UBR	Pn	07:15:55.1	0.5			142.5	278.1	ML 3.9
DAVA	e Pg Z	07:15:58.4	-0.2	T		160.9	261.7	
	e Sg N	07:16:18.1	0.7	T				
MOA	e Pg Z	07:16:00.3	-0.5	T		174.2	76.8	

	e	Sg	N	07:16:22.8	1.6					
HDH	i	Pn	+	07:15:59.3	0.4		178.1	312.5	ML	4.2
		Pg		07:16:01.1	-0.4					
		Sn		07:16:19.8	1.2					
		Sg		07:16:22.6	0.3					
WET	e	Pn	Z	07:16:01.2	0.6	31.5	192.6	19.6	ML	3.6
	i	Pg		07:16:03.3	-0.7					
	e	Sn	N	07:16:23.0	1.3	0.8				
	e	Sg	N	07:16:27.2	0.8	4.3				
GEC2	e	Pn	Z	07:16:01.7	0.8	54.2	194.8	40.0	ML	3.5
	e	Pg	Z	07:16:03.5	-0.8	2.1				
	e	Sg	N	07:16:27.4	0.4	4.3				
BUCH		Pn		07:16:05.7	1.4		222.2	298.9	ML	3.7
GUT		Pn		07:16:05.6	1.2		223.6	287.1	ML	3.9
SISB		Pn		07:16:06.2	1.2		227.8	275.9	ML	3.8
TUBL		Pn		07:16:09.3	2.4		243.6	298.5	ML	3.6
SPAK		Pn		07:16:09.5	2.1		248.1	286.4		
GRFO	e	Pn	Z	07:16:07.2	-0.3		248.5	347.1	ML	3.8
	e	Pg	Z	07:16:13.6	0.2	11.4				
	e	Sn	N	07:16:35.2	1.8	1.5				
	e	Sg	N	07:16:43.5	1.1	3.7				
STU	e	Pn	Z	07:16:09.1	1.4	1.6	250.2	305.0	ML	4.2
	e	Pg	Z	07:16:15.5	1.8	6.3				
	e	Sg	E	07:16:44.6	1.8	5.1				
ARSA	e	Pg	Z	07:16:14.6	-2.0		267.4	95.0		
	e	Sg	N	07:16:47.4	-0.3					
SIND		Pn		07:16:11.2	1.2		269.4	320.1	ML	4.1
	i	Pg	-	07:16:17.1	0.1					
		Sn		07:16:40.5	2.6					
		Sg		07:16:48.3	-0.0					
LBG		Sg		07:16:47.9	-0.4		269.6	299.5	ML	4.4
BFO	e	Pn	Z	07:16:13.7	1.5	27.6	287.5	289.7	ML	3.9
	e	Pg	Z	07:16:21.3	1.3	3.7				
	e	Sn	E	07:16:43.7	2.0	3.0				
	e	Sg	N	07:16:55.0	1.5	3.8				
FELD		Pn		07:16:15.3	1.4		301.1	279.1		
KIZ		Pn		07:16:16.2	1.4		308.5	280.7	ML	3.8
		Sn		07:16:47.7	1.5					
FBB		Pn		07:16:17.2	1.8		314.0	281.4		
SWS		Pn		07:16:18.1	1.0		326.7	313.3	ML	3.8
		Sn		07:16:50.5	0.6					
TOD		Pn		07:16:19.0	1.5		330.2	315.9		
LIBD		Pn		07:16:20.0	2.0		335.1	283.8		
BBS		Pn		07:16:20.0	1.7		336.8	270.7		
MOX	e	Pn	Z	07:16:19.2	-0.5		349.1	355.6	ML	4.0
	e	Pg	Z	07:16:30.8	0.3	4.8				
	e	Sn	N	07:16:56.1	1.4	1.9				
	e	Sg	N	07:17:11.4	0.3	2.8				
LANF		Pn		07:16:21.9	2.0		350.1	299.3		
KTD		Pn		07:16:22.0	1.9		351.3	306.3		
WLS		Pn		07:16:22.7	1.7		359.4	287.8		
MOF		Pn		07:16:23.5	1.7		365.6	277.7		
ECH		Pn		07:16:23.8	1.6		368.8	284.0		
LOMF		Pn		07:16:26.0	1.4		388.8	269.2		
UBBA	e	Pn	Z	07:16:26.8	1.4	5.9	394.8	339.2		
	e	Pg	Z	07:16:39.3	1.0	3.0				
	e	Sn	E	07:17:05.4	1.0	0.9				
	e	Sg	E	07:17:24.5	0.4	3.8				

TNS	e	Pn	Z	07:16:27.4	1.8	T		397.2	320.6	ML	4.2
	e	Sn	N	07:17:08.8	3.9	T					
BRG	e	Pn	Z	07:16:26.4	0.5		7.6	399.4	20.1	ML	4.0
	e	Pg	Z	07:16:38.5	-0.5			2.7			
	e	(Sn)	E	07:17:08.4	3.1			1.4			
	e	Sg	E	07:17:26.3	0.8			3.4			
ABH		Pn		07:16:30.2	1.9			419.0	310.5		
CLL	e	Pn	Z	07:16:29.7	0.3		13.1	428.0	9.5	ML	4.2
	e	Pg	Z	07:16:44.2	0.4			3.4			
	e	Sg	E	07:17:34.7	1.0			5.0			
RUP		Pn		07:16:32.7	2.3			436.5	305.7		
THEF		Pn		07:16:34.5	1.9			454.2	282.3		
WLF	e	Pn	Z	07:16:39.1	2.0		3.8	491.3	301.3	ML	4.1
	e	Sg	E	07:17:51.3	-0.4	T					
CLZ	e	Pn	Z	07:16:38.6	1.0		3.7	495.0	347.0	ML	4.3
	e	Pg	Z	07:16:56.2	1.0			6.3			
	e	Sn	N	07:17:26.8	1.3			1.7			
	e	Sg	N	07:17:52.0	-0.7			2.7			
NRDL	e	Pg	Z	07:17:10.1	2.2		7.1	569.7	347.0		

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
 2003/10/29 12:02:23.6 47.633N 7.278E 11 11 6 2.3ML LDG L

W of Mulhouse/F, Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg E	12:02:57.6	2.3			110.1	44.9	

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
 2003/10/30 04:51:58.7 +- 0.75 51.489N 16.279E 24.5 7.8 159 1G 11 8 317 3.2ML SZGRF I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	04:52:27.3	0.1	T		176.6	248.1	ML 2.9
	e Sg N	04:52:49.0	-0.2	T				
CLL	e Pn Z	04:52:33.7	0.2	T		228.2	266.2	ML 2.9
TANN	e Pn Z	04:52:42.9	1.5	T		292.8	247.4	ML 3.2
WERD	e Pn Z	04:52:43.7	1.3	T		301.2	249.0	ML 3.2
	e Sg N	04:53:26.0	1.3	T				ML 3.2
GUNZ	e Pn Z	04:52:44.1	1.4	T		303.6	247.2	ML 3.4
MOX	e Pn Z	04:52:47.8	0.9	T		339.0	255.8	ML 3.3
	e Sg N	04:53:36.2	0.6	T				
WET	e Pn Z	04:52:50.3	1.4	T		355.3	224.1	
GRA1	e Sg N	04:53:54.8	-0.7	T		409.0	242.7	

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
 2003/10/31 05:13:47.7 47.366N 11.922E 10 2.2ML NEIC

Schwaz/A, Inn Valley, Northern Tuxer Alps

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
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WET	e	(Sg)	E	05:14:43.1	-4.7	210.0	19.3
GEC2	e	(Sg)	N	05:14:44.2	-3.8	211.0	38.1
BFO	e	Sg	N	05:15:09.0	-1.2	288.7	293.1

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/10/31	15:59:23.7	+/- 0.85	48.406N	6.757E	13.3	6.7	31	10G		14	9	249	2.7ML		SZGRF	L
2003/10/31	15:59:21.9	+/- 0.62	48.406N	6.712E	5.6	3.3	35	10G		23	10	250	2.4ML	WLF	BGR	L
2003/10/31	15:59:21.0		48.339N	6.641E				10		83	32		3.1ML		LDG	L

Epinal-N/F, Rambervillers

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	15:59:41.1	-1.1		19.6	124.8	89.8	ML 2.2
	e Sg	N	15:59:56.5	-0.3		8.2			
WLF	e Pg	Z	15:59:46.5	-0.3		3.0	151.7	346.6	ML 2.4
	e Sg	N	16:00:03.4	-1.0		5.3			
STU	e Pg	Z	15:59:54.0	0.1		3.0	193.9	74.7	ML 2.8
	e Sg	N	16:00:15.8	-0.7		4.4			
TNS	e Pn	Z	15:59:57.8	0.8		1.3	247.1	31.3	ML 3.0
	e Pg	Z	16:00:02.7	-0.2		3.3			
	e Sg	N	16:00:29.2	-2.4		7.9			
GRFO	e Sg	N	16:01:04.7	-1.0		3.2	366.2	64.0	
GRA1	e Sg	N	16:01:04.9	-0.8			366.3	64.0	ML 3.3
UBBA	e Pg	N	16:00:22.8	-0.4		1.4	367.0	40.0	
	e Sg	E	16:01:04.7	-1.2		3.1			
MOX	e Pg	Z	16:00:34.9	-0.9		1.7	441.3	52.6	
	e Sg	E	16:01:25.8	-1.3		3.0			
WET	e Pn	Z	16:00:24.0	0.3		1.7	465.9	76.6	
	e Pg	Z	16:00:39.4	-0.5		1.9			
	e Sn	N	16:01:10.3	1.2		2.4			
	e Sg	E	16:01:32.8	-1.4		3.2			
WERD	e Sg	E	16:01:36.5	0.5			472.2	58.1	
GEC2	e Pn	Z	16:00:31.5	1.0		1.6	522.1	81.2	
	e Pg	Z	16:00:49.6	0.1		1.1			
	e Sn	N	16:01:22.0	1.0		1.6			
	e Sg	N	16:01:49.0	-1.2		3.8			
CLL	e Sg	N	16:02:00.3	-1.5		2.5	562.9	51.7	
BRG	e Sg		16:02:11.1	-0.4			596.5	59.1	

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Sg	2003/10/02	19:51:48.9						
BRG	e Sg	2003/10/02	23:55:03.2						
BRG	e Sg	2003/10/03	19:22:57.2						
BRG	e Sg	2003/10/04	06:01:27.4						
BRG	e Sg	2003/10/04	08:52:34.6						
BRG	e Sg	2003/10/04	12:36:49.9						

BRG	e	Sg	2003/10/04	16:12:19.4
BRG	e	Sg	2003/10/05	06:35:00.3
BRG	e	Sg	2003/10/05	21:54:28.1
BRG	e	Sg	2003/10/05	23:16:55.1
BRG	e	Sg	2003/10/07	05:43:22.4
BRG	e	Sg	2003/10/07	05:51:33.1
BRG	e	Sg	2003/10/08	13:32:11.8
CLL	e	Sg	2003/10/08	16:20:20.0
BRG	e	Sg	2003/10/08	16:20:53.5
BRG	e	Sg	2003/10/09	03:23:29.8
BRG	e	Sg	2003/10/09	11:55:57.8
BRG	e	Pg	2003/10/10	01:36:29.8
BRG	e	Sg	2003/10/10	01:36:49.7
BRG	e	Pg	2003/10/10	01:43:13.9
BRG	e	Sg	2003/10/10	01:43:33.9
SCE	i	Pn +	2003/10/10	14:24:19.1
BRG	i	Pg	2003/10/10	17:06:05.6
BRG	i	Sg	2003/10/10	17:06:25.7
CLL	e	(Sg)	2003/10/11	01:33:06.1
BRG	e	Sg	2003/10/12	02:23:34.4
BRG	e	Sg	2003/10/13	13:25:11.7
OGA	i	Pg -	2003/10/14	03:27:51.4
OGA	i	Sg	2003/10/14	03:28:01.0
BRG	e	Sg	2003/10/14	03:34:44.9
CLL	e	Sg	2003/10/15	06:56:20.0
BRG	e	Sg	2003/10/15	12:36:54.7
BRG	e	Sg	2003/10/15	15:56:34.6
BRG	e	Sg	2003/10/16	01:44:29.3
BRG	e	Sg	2003/10/16	02:49:38.1
BFO	e	Pg	2003/10/17	09:39:39.5
TNS	e	Pg	2003/10/17	09:39:39.6
TNS	e	Sg	2003/10/17	09:39:49.8
BFO	e	Sg	2003/10/17	09:39:53.1

BRG	e	Sg	2003/10/18 02:44:57.6
BRG	i	Pg	2003/10/18 07:59:57.8
BRG	i	Sg	2003/10/18 08:00:18.0
BRG	e	Sg	2003/10/18 12:22:51.8
BRG	e	Sg	2003/10/18 23:11:16.4
MOX	e	(Sg)	2003/10/19 01:29:31.8
BRG	e	Sg	2003/10/19 03:29:52.6
BRG	e	Sg	2003/10/19 13:55:25.3
BRG	e	Sg	2003/10/19 14:06:36.2
BRG	e	Sg	2003/10/19 19:00:11.5
BFO	e	Pg	2003/10/20 00:49:15.2
BFO	e	Sg	2003/10/20 00:49:30.0
BRG	e	Sg	2003/10/20 03:31:48.7
BRG	e	Sg	2003/10/20 08:45:55.6
SCE	i	Pg -	2003/10/20 09:52:49.9
SCE	i	Sg	2003/10/20 09:52:54.3
OGA	i	Pg +	2003/10/20 09:52:48.7
OGA	i	Sg	2003/10/20 09:52:52.0
BRG	e	Sg	2003/10/22 07:16:34.5
SCE	i	Pn -	2003/10/22 15:07:18.7
BRG	e	Sg	2003/10/22 20:20:40.1
BRG	e	Sg	2003/10/23 05:07:06.8
BRG	e	Sg	2003/10/23 17:11:34.3
BRG	e	Sg	2003/10/23 19:43:59.1
BRG	e	Sg	2003/10/23 22:50:17.3
BRG	e	Sg	2003/10/24 16:44:26.2
BRG	e	Sg	2003/10/24 23:08:29.7
BRG	e	Sg	2003/10/25 04:50:33.8
BRG	e	Sg	2003/10/26 00:43:24.5
BRG	e	Sg	2003/10/26 20:42:18.7
BRG	e	Sg	2003/10/27 09:22:23.2

ML 1.3

OGA	i	Pg	+	2003/10/29	17:42:01.7
OGA	i	Sg		2003/10/29	17:42:05.6
MOX	e	Pg		2003/10/29	18:53:57.7
MOX	e	Sg		2003/10/29	18:54:00.3
BRG	e	Sg		2003/10/30	06:48:50.1
BRG	e	Sg		2003/10/30	09:11:56.9
BRG	e	Sg		2003/10/31	06:31:18.9
CLL	i	Sg		2003/10/31	18:06:43.6
MOX	e	Pg		2003/10/31	18:06:19.1
MOX	e	Sg		2003/10/31	18:06:24.4
BRG	e	Sg		2003/10/31	18:06:49.8