

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 90501002 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/01	01:50:32.80	0.14	0.34	51.5298	6.6027	2.3	1.5	009	1.0f		28	11	244			m i sr	LDG	90501032
2009/05/01	01:50:34.00	1.39	0.51	51.4650	6.6000				1.0f			10	258	0.24	1.34	m i ki	BNS	90501022
2009/05/01	01:50:34.10	1.01	0.73	51.4300	6.7120	13.3	4.4	144	1.0f		8	5	243	0.35	2.03	m i ki	BGR	90501012
2009/05/01	01:50:32.30			51.4170	6.5520				1.0f							m i ki	BUG	90501002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	1	LDG	90501032
ML	2.6	0.3	10 LDG	90501032
ML	1.9		BNS	90501022
ML	2.2	0.2	5 BGR	90501012
ML	1.8		BUG	90501002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.10	6.9	Pg	01:50:33.200	-1.0					T__				m__	ML 1.8
BRHE	0.10	6.9	Sg	01:50:34.000	-1.5					T__				m__	
LAUG	0.25	104.9	Pg	01:50:38.360	1.3					---				mdi	
LAUG	0.25	104.9	Sg	01:50:42.260	1.9					---		154.7	0.63	m_i	
RODG	0.36	220.6	Pg	01:50:41.780	2.7					---				mci	
RODG	0.36	220.6	Sg	01:50:48.240	4.6					---		256.3	0.50	m_i	
BUG	0.45	86.7	Pg	01:50:41.505	0.8					---	12.7			m_e	ML 2.0
BNS	0.60	139.0	Pg	01:50:46.020	2.4					---				mde	
BNS	0.60	139.0	Sg	01:50:54.770	3.5					---		62.8	0.66	m_e	
HOBG	0.65	131.2	Pg	01:50:46.720	2.1					---				mde	
DREG	0.78	195.0	Pg	01:50:49.363	2.4					---	9.4			m_e	ML 2.3
DREG	0.78	195.0	Sg	01:51:01.681	4.6					---				m_e	
KLL	0.79	191.2	Pg	01:50:50.250	3.2					---				m_e	
KLL	0.79	191.2	Sg	01:51:02.250	5.0					---		39.5	0.72	m_e	
STB	0.84	167.5	Pg	01:50:51.390	3.2					---				mdi	
STB	0.84	167.5	Sg	01:51:02.750	3.7					---		41.9	0.45	m_e	
HILG	1.13	175.9	Pg	01:50:56.130	2.6					---				mdi	
HILG	1.13	175.9	Sg	01:51:12.210	4.1					---		34.9	0.49	m_e	
KOE	1.24	142.7	Pg	01:50:57.290	1.6					---				mde	
KOE	1.24	142.7	Sg	01:51:14.490	2.8					---				m_e	
BGG	1.31	157.4	Pg	01:50:58.800	1.8					---				m_e	
BGG	1.31	157.4	Sg	01:51:16.550	2.7					---		18.2	0.50	m_e	
TNS	1.69	134.2	Pg	01:51:04.291	0.1					---	13.8			m_e	ML 2.0
TNS	1.69	134.2	Sg	01:51:26.371	0.3					---				m_e	
WLF	1.77	188.4	Pg	01:51:07.478	1.8					---	7.6			m_e	ML 2.2
WLF	1.77	188.4	Sg	01:51:30.552	2.0					---				m_e	
GTTG	2.13	85.2	Sg	01:51:38.478	-1.5					---				m_e	ML 2.5

Event 90505001 Schopfheim, NE of Basel/CH

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/05	01:39:24.00			47.6700	7.7500				15.0							m i uk	ZAMG	90505061
2009/05/05	01:39:24.90			47.6700	7.7300				10.0f				0			m i uk	NEIC	90505051

2009/05/05 01:39:27.10	1.03	0.31	47.6950	7.7730				10.0f			10	342	2.53	3.70	m i ke BNS	90505041
2009/05/05 01:39:24.60	0.05	1.00	47.6744	7.7847	1.2	1.1	155	10.0	0.0	228	42	013			m i ke LDG	90505031
2009/05/05 01:39:25.10			47.7000	7.7000				12.0							m i uk SED	90505021
2009/05/05 01:39:24.95	0.23	0.96	47.7200	7.7640	3.3	2.2	075	10.0f		66	28	145	0.30	4.94	m i ke BGR	90505011
2009/05/05 01:39:25.41	0.09	0.13	47.6760	7.7530	1.1	0.7	319	10.0	2.0	25	17	129	0.26	2.59	m i ke LED	90505001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		ZAMG	90505061
ML	4.0		NEIC	90505051
ML	3.9		BNS	90505041
MD	4.2	0.2	4 LDG	90505031
ML	4.5	0.4	48 LDG	90505031
ML	4.2		SED	90505021
ML	4.5	0.3	22 BGR	90505011
ML	4.5	0.2	15 LED	90505001

Effects	Loctyp	Location	Intensity Scale	Author
F	Summar		3.0- 4.0 EMS	ZAMG

(Felt in Vorarlberg.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FELD	0.26	40.0	P*	01:39:30.890						T__				mc_	
BBS	0.27	218.0	P*	01:39:30.880						T__				mc_	
SULZ	0.28	121.1	Pg	01:39:31.145	0.1					___	2186.			m_e	
SULZ	0.28	121.1	Sg	01:39:35.139	0.3					___				m_e	
KIZ	0.30	21.5	P*	01:39:31.520						T__				mci ML	4.6
KIZ	0.30	21.5	S*	01:39:35.620						T__				m_i	
FBB	0.33	11.6	P*	01:39:32.180						T__				md_	
BALST	0.34	186.6	Pg	01:39:32.226	0.1					___	2495.			m_e	
BALST	0.34	186.6	Sg	01:39:36.249	-0.4					___				m_e	
MOF	0.45	293.1	P*	01:39:34.380						T__				mc_	
LIBD	0.49	348.1	P*	01:39:35.320						T__				md_	
SLE	0.51	79.5	Pg	01:39:35.222	0.1					___	7864.			m_e	
SLE	0.51	79.5	Sg	01:39:41.934	0.2					___				m_e	
ECH	0.67	323.8	P*	01:39:38.150						T__				mdi ML	4.9
ECH	0.67	323.8	S*	01:39:47.250						T__				m_	
LOMF	0.70	242.9	P*	01:39:38.790						T__				mc_	
BFO	0.76	30.3	P*	01:39:39.850						T__				mc_ ML	4.7
BFO	0.76	30.3	S*	01:39:49.880						T__				m_	
SPAK	0.81	58.0	P*	01:39:41.020						T__				mc_	
SISB	0.82	88.8	P*	01:39:41.200						T__				mci ML	4.7
SISB	0.82	88.8	S*	01:39:52.400						T__				m_	
WILA	0.82	108.1	Pg	01:39:41.353	0.4					___	2129.			m_e	
WILA	0.82	108.1	Sg	01:39:52.555	0.9					___				m_e	
GUT	1.00	66.1	P	01:39:43.390						T__				mci ML	4.4
GUT	1.00	66.1	S	01:39:56.860						T__				m_	
LBG	1.21	34.7	P	01:39:45.920						T__				mci ML	4.7
LBG	1.21	34.7	Sg	01:40:03.840	-0.1					T__				m_	
TUBL	1.23	45.9	P	01:39:46.400						T__				mci ML	4.5
TUBL	1.23	45.9	S	01:40:02.190						T__				m_	
PLONS	1.27	119.0	Pn	01:39:48.525	0.0					___	125.5			m_e	
PLONS	1.27	119.0	Pg	01:39:49.555	0.2					___	546.2			m_e	
PLONS	1.27	119.0	Sn	01:40:04.304	-0.5					___				m_e	

PLONS	1.27	119.0	Sg	01:40:06.180	0.4						m_e		
THEF	1.30	295.8	P	01:39:48.020			T				m_e		
LANF	1.31	1.5	P	01:39:47.660			T				m_e		
BUCH	1.32	53.5	P	01:39:47.660			T				mci ML	4.3	
BUCH	1.32	53.5	S	01:40:04.560			T				m_e		
STU	1.46	40.7	P	01:39:49.130							mc ML	4.5	
STU	1.46	40.7	Pg	01:39:52.936	0.0	3.1					m_e		
STU	1.46	40.7	Sg	01:40:11.065	-0.7						m_e		
UBR	1.59	89.0	P	01:39:52.590							mci ML	4.4	
UBR	1.59	89.0	S	01:40:12.420							m_e		
KTD	1.66	7.5	P	01:39:52.510							m_e		
OBER	1.74	98.0	P	01:39:55.030							mc ML	4.5	
OBER	1.74	98.0	S	01:40:15.640							m_e		
SWS	1.91	18.8	P	01:39:55.220							mc ML	4.2	
SWS	1.91	18.8	S	01:40:18.180							m_e		
TOD	2.05	19.4	P	01:39:57.150							m_e		
SIND	2.07	35.6	P	01:39:57.020							mc ML	4.5	
SIND	2.07	35.6	Sg	01:40:30.270	-1.1						m_e		
RUP	2.08	347.5	P	01:39:59.210							m_e		
ABH	2.21	356.6	P	01:40:00.330							m_e		
WLF	2.25	332.6	P	01:40:02.230							m ML	3.6	
WLF	2.25	332.6	Pg	01:40:07.819	-0.1	7.5					m_e		
WLF	2.25	332.6	Sg	01:40:36.381	-0.6						m_e		
FUR	2.41	77.0	Pn	01:40:03.597	-0.4	48.9					m_e ML	4.6	
FUR	2.41	77.0	Pg	01:40:11.152	0.3	4.8					m_e		
FUR	2.41	77.0	Sg	01:40:42.570	0.5						m_e		
BGG	2.54	354.0	Pn	01:40:06.900	1.1						m_e		
BGG	2.54	354.0	Sn	01:40:36.900	2.1					549.8	0.38	m_e	
TNS	2.59	9.9	P	01:40:05.020							mc ML	4.2	
TNS	2.59	9.9	Pg	01:40:14.026	-0.2	2.6					m_e		
TNS	2.59	9.9	Sn	01:40:35.268	-0.6						m_e		
TNS	2.59	9.9	Sg	01:40:47.160	-0.5						m_e		
HILG	2.71	345.3	Pn	01:40:09.100	1.1						m_e		
HILG	2.71	345.3	Sn	01:40:41.600	2.9					284.9	0.46	m_e	
KOE	2.75	359.7	Pn	01:40:09.800	1.2						m_e		
STB	2.98	348.8	Pn	01:40:13.000	1.3						mdi		
STB	2.98	348.8	Sn	01:40:47.400	2.4					272.4	0.53	m_e	
GRA1	3.05	47.4	Pn	01:40:10.490	-2.2	34.6					m_e ML	4.8	
GRA1	3.05	47.4	Pg	01:40:22.749	-0.2	16.6					m_e		
GRA1	3.05	47.4	Sg	01:41:01.279	-1.1						m_e		
KLL	3.12	342.9	Pn	01:40:14.400	0.8						m_e		
DREG	3.15	342.2	Pn	01:40:13.577	-0.4	42.7					m_e ML	4.0	
DREG	3.15	342.2	Pg	01:40:24.145	-0.6	2.0					m_e		
BNS	3.31	353.7	Pn	01:40:17.900	1.7						m_e		
BNS	3.31	353.7	Sn	01:40:56.600	3.8					608.7	0.54	m_e	
HOBG	3.32	355.4	Pn	01:40:17.700	1.4						m_e		
HOBG	3.32	355.4	Sn	01:40:55.300	2.3					624.0	0.57	m_e	
RJOB	3.39	87.1	Pn	01:40:18.112	0.8	77.9					m_e ML	4.5	
RJOB	3.39	87.1	Sg	01:41:13.832	0.6						m_e		
ROTZ	3.61	52.9	Pn	01:40:18.073	-2.1	46.5					m_e ML	4.5	
ROTZ	3.61	52.9	Pg	01:40:32.384	-1.0	4.7					m_e		
RODG	3.62	344.2	Pn	01:40:22.300	2.0						m_e		
MANZ	3.68	49.5	Pn	01:40:19.131	-2.1	24.4					m_e ML	4.6	
MANZ	3.68	49.5	Pg	01:40:33.903	-0.9	6.1					m_e		

MANZ	3.68	49.5	Sg	01:41:19.752	-2.6	---												m_e		
WET	3.70	64.8	Pn	01:40:20.717	-0.8	---					35.0							m_e ML	4.5	
WET	3.70	64.8	Pg	01:40:34.559	-0.7	---					5.4							m_e		
WET	3.70	64.8	Sn	01:41:02.511	0.4	---												m_e		
WET	3.70	64.8	Sg	01:41:21.868	-1.3	---												m_e		
LAUG	3.71	352.2	Pn	01:40:22.700	1.1	---												m_e		
MOX	3.90	38.9	Pn	01:40:21.589	-2.5	---					62.0							m_e ML	4.6	
MOX	3.90	38.9	Pg	01:40:37.086	-1.8	---					5.5							m_e		
MOX	3.90	38.9	Sg	01:41:27.258	-2.0	---												m_e		
WERN	4.00	47.6	Pn	01:40:23.348	-2.2	---					7.6							m_e ML	4.8	
WERN	4.00	47.6	Pg	01:40:40.093	-0.8	---					15.7							m_e		
WERN	4.00	47.6	Sg	01:41:30.056	-2.5	---												m_e		
PLN	4.03	44.1	Pn	01:40:23.290	-2.6	---					23.3							m_e		
PLN	4.03	44.1	Sg	01:41:30.586	-2.7	---												m_e		
GUNZ	4.03	46.5	Pn	01:40:23.493	-2.4	---					21.7							m_e ML	4.8	
GUNZ	4.03	46.5	Sg	01:41:31.261	-2.2	---												m_e		
WERD	4.07	45.4	Pn	01:40:24.037	-2.5	---					28.5							m_e ML	4.6	
WERD	4.07	45.4	Sg	01:41:31.861	-2.9	---												m_e		
TANN	4.12	46.7	Pn	01:40:24.802	-2.4	---					25.6							m_e ML	4.7	
TANN	4.12	46.7	Pg	01:40:41.880	-1.3	---					13.1							m_e		
TANN	4.12	46.7	Sg	01:41:34.331	-2.2	---												m_e		
NEUB	4.39	35.0	Pn	01:40:28.950	-1.9	---					2.8							m_e ML	5.0	
NEUB	4.39	35.0	Pg	01:40:47.768	-0.5	---					10.8							m_e		
CLZ	4.50	21.1	Pn	01:40:30.018	-2.2	---					10.9							m_e ML	4.6	
IBBN	4.63	0.0	Sn	01:41:21.697	-2.2	---												m_e ML	4.7	
ASSE	4.83	21.8	Pn	01:40:34.882	-2.0	---					3.8							m_e ML	4.3	
FBE	4.88	46.3	Pg	01:40:55.929	-1.5	---					9.2							m_e ML	3.9	
FBE	4.88	46.3	Sg	01:41:57.715	-2.9	---												m_e		
CLL	4.98	41.2	Pn	01:40:35.994	-2.8	---					13.5							m_e ML	4.7	

Event 90505008 Epinal/F, Remiremont, Western Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/05	05:21:31.43	2.02	0.16	48.1720	6.5300	20.0	10.0	065	10.0f		5	3	308	0.42	2.40	m i ke	BGR	90505018
2009/05/05	05:21:31.80	0.05	0.47	48.1018	6.5872	1.3	0.9	175	16.0f		29	13	062			m i ke	LDG	90505008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	2 BGR	90505018
MD	2.4	0.1	4 LDG	90505008
ML	2.6	0.2	9 LDG	90505008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.40	73.1	Pg	05:21:39.455	-0.3					---					m_e
ECH	0.40	73.1	Sg	05:21:45.417	0.2					---					m_e
BFO	1.18	78.2	Pg	05:21:54.452	0.2					---					m_e ML
BFO	1.18	78.2	Sg	05:22:09.806	0.1					---					m_e
TNS	2.44	29.1	Sg	05:22:47.832	-1.8					---					m_e ML

Event 90505006 W of Budejovice/CR

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/05	16:54:36.21	0.23	0.68	48.7777	14.0436	2.4	1.6	043	0.0	0.0	15	3	023			m i sm	ZAMG	90505016
2009/05/05	16:54:37.01	0.37	0.41	48.8150	14.0580	4.4	2.2	065	10.0f		17	10	132	0.24	1.91	m i ke	BGR	90505006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.4	4 ZAMG	90505016
ML	1.9	0.3	10 BGR	90505006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	0.24	277.4	Pg	16:54:41.486	-0.3					T__	12.7			m_e ML	1.3
GEC2	0.24	277.4	Sg	16:54:44.342	-0.7					T__				m_e	
KHC	0.45	315.3	Pg	16:54:45.736	0.1					T__	11.0			m_e ML	1.5
KHC	0.45	315.3	Sg	16:54:51.611	0.1					T__				m_e	
WET	0.84	293.5	Pg	16:54:53.093	0.1					T__	6.7			m_e ML	1.8
WET	0.84	293.5	Sg	16:55:03.749	-0.1					T__				m_e	
MOA	0.98	171.8	Pg	16:54:55.441	-0.0					T__	4.9			m_e ML	1.6
MOA	0.98	171.8	Sg	16:55:08.432	0.3					T__				m_e	
PRU	1.21	14.8	Pg	16:55:00.343	0.4					T__	9.5			m_e ML	2.2
RJOB	1.37	218.4	Pg	16:55:03.268	0.4					T__	15.2			m_e ML	2.2
RJOB	1.37	218.4	Sg	16:55:21.496	1.0					T__				m_e	
ROTZ	1.54	309.0	Pg	16:55:06.091	0.1					T__	2.8			m_e ML	1.9
ROTZ	1.54	309.0	Sg	16:55:26.085	0.2					T__				m_e	
KBA	1.80	195.6	Pg	16:55:10.315	-0.7					T__	5.7			m_e ML	2.2
KBA	1.80	195.6	Sg	16:55:33.996	-0.3					T__				m_e	
ARSA	1.85	147.4	Sg	16:55:35.299	-0.4					T__				m_e ML	1.8
TANN	1.91	327.7	Sg	16:55:37.608	0.0					T__				m_e ML	2.2

Event 90506006 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/06	04:18:46.10	0.67	0.31	51.7040	7.6290				0.9	9.4		7	306	0.55	1.51	m i ki	BNS	90506026
2009/05/06	04:18:46.06	0.32	0.78	51.6320	7.7690	4.4	3.3	148	1.0f		15	8	083	0.67	1.63	m i ki	BGR	90506016
2009/05/06	04:18:45.60			51.6560	7.7590				1.0f							m i ki	BUG	90506006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BNS	90506026
ML	2.1	0.0	5 BGR	90506016
ML	2.1		BUG	90506006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.09	25.6	Pg	04:18:47.900	0.6					T__				m__ ML	2.1
BAHL	0.09	25.6	Sg	04:18:50.000	1.5					T__				m__	
LAUG	0.59	239.3	Pg	04:18:56.410	-0.3					---				m_e	
IBBN	0.65	360.0	Pg	04:18:58.605	0.8					---				m_e ML	2.1
WTSB	0.67	298.0	Pg	04:18:59.230	1.0					---				m_e	
WTSB	0.67	298.0	Sg	04:19:09.093	2.2					---				m_e	
HOBG	0.72	201.7	Pg	04:19:00.480	1.3					---				m_e	
AHRW	1.19	201.3	Pg	04:19:08.781	0.7					---				m_e ML	2.1
AHRW	1.19	201.3	Sg	04:19:25.274	1.7					---				m_e	

STB	1.21	208.9	Pg	04:19:08.850	0.5	---												m_e
STB	1.21	208.9	Sg	04:19:25.100	1.1	---								46.9	0.42			m_e
KOE	1.23	180.8	Pg	04:19:09.090	0.3	---												m_e
KLL	1.36	222.5	Pg	04:19:10.710	-0.5	---												m_e
DREG	1.38	224.5	Pg	04:19:11.192	-0.4	---												m_e ML 2.1
DREG	1.38	224.5	Sg	04:19:29.746	0.3	---												m_e
HGN	1.45	232.8	Pg	04:19:11.958	-1.0	---												m_e
HGN	1.45	232.8	Sg	04:19:31.505	-0.2	---												m_e
BGG	1.47	190.6	Pg	04:19:12.400	-1.0	---												m_e
TNS	1.50	162.9	Pg	04:19:14.397	0.6	---												m_e ML 2.1
TNS	1.50	162.9	Sg	04:19:32.696	-0.5	---												m_e
MEM	1.52	227.1	Pg	04:19:13.538	-0.7	---												m_e
MEM	1.52	227.1	Sg	04:19:33.604	-0.2	---												m_e
CLZ	1.63	82.4	Pg	04:19:16.874	0.6	---												m_e ML 2.2
CLZ	1.63	82.4	Sg	04:19:37.746	0.4	---												m_e

Event 90506004 Eastern Tennengau/A, Hoher Dachstein

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/06	14:33:55.43	0.18	0.48	47.5697	13.5916	1.5	1.1	156	2.7	3.5	24	10	058			m i uk	ZAMG	90506014
2009/05/06	14:33:56.80	0.30	0.83	47.5620	13.5360	5.6	3.3	084	10.0f		13	9	074	0.50	2.49	m i ke	BGR	90506004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.4	10 ZAMG	90506014
ML	2.2	0.3	9 BGR	90506004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.50	195.1	Pg	14:34:05.693	-0.7					T_	9.3			m_e ML	1.8
KBA	0.50	195.1	Sg	14:34:13.232	0.3					T_				m_e	
MOA	0.57	59.4	Pg	14:34:06.601	-1.1					T_	4.9			m_e ML	1.8
OBKA	1.26	146.4	Pg	14:34:20.286	-0.3					T_	3.3			m_e ML	1.9
GEC2	1.29	4.9	Pg	14:34:21.238	0.1					T_	43.8			m_e ML	2.5
GEC2	1.29	4.9	Sg	14:34:39.069	1.3					T_				m_e	
ARSA	1.38	102.3	Sg	14:34:41.969	1.2					T_				m_e ML	1.9
KHC	1.57	1.0	Pg	14:34:25.270	-1.1					T_	12.7			m_e ML	2.4
KHC	1.57	1.0	Sg	14:34:46.852	0.1					T_				m_e	
WET	1.64	344.8	Pg	14:34:27.406	-0.4					T_	3.2			m_e ML	2.4
ROTZ	2.37	338.8	Pg	14:34:40.521	-1.0					T_	1.9			m_e ML	2.3
ROTZ	2.37	338.8	Sg	14:35:12.470	0.2					T_				m_e	
DAVA	2.49	265.0	Pg	14:34:45.110	1.4					T_	3.3			m_e ML	2.7

Event 90506005 W of Budejovice/CR

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/06	22:45:18.23	0.29	0.69	48.7870	14.0522	2.8	1.8	040	8.1	5.0	15	4	057			m i uk	ZAMG	90506015
2009/05/06	22:45:19.25	0.31	0.57	48.8170	14.0330	3.3	2.2	087	10.0f		26	17	155	0.22	2.58	m i ke	BGR	90506005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
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ML 2.4 0.4 5 ZAMG 90506015
 ML 2.2 0.3 16 BGR 90506005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	0.22	277.5	Pg	22:45:23.576	-0.2					T__	39.4			m_e	
GEC2	0.22	277.5	Sg	22:45:26.502	-0.3					T__				m_e	
KHC	0.43	316.6	Pg	22:45:27.929	0.3					T__	15.8			m_e ML	1.6
KHC	0.43	316.6	Sg	22:45:33.750	0.4					T__				m_e	
WET	0.83	293.8	Pg	22:45:34.899	-0.0					T__	9.1			m_e ML	2.0
WET	0.83	293.8	Sg	22:45:45.741	0.1					T__				m_e	
MOA	0.98	170.8	Pg	22:45:37.538	-0.3					T__	6.3			m_e ML	1.7
MOA	0.98	170.8	Sg	22:45:50.482	-0.0					T__				m_e	
PRU	1.22	15.6	Pg	22:45:42.495	0.2					T__	14.2			m_e ML	2.3
PRU	1.22	15.6	Sg	22:45:58.940	0.9					T__				m_e	
RJOB	1.36	217.8	Pg	22:45:45.376	0.5					T__	28.6			m_e ML	2.3
RJOB	1.36	217.8	Sg	22:46:04.110	1.6					T__				m_e	
ROTZ	1.52	309.3	Pg	22:45:48.349	0.3					T__	4.6			m_e ML	2.1
ROTZ	1.52	309.3	Sg	22:46:07.969	0.2					T__				m_e	
MANZ	1.71	313.8	Sg	22:46:13.658	-0.1					T__				m_e ML	2.0
KBA	1.80	195.1	Pg	22:45:52.164	-1.0					T__	7.0			m_e ML	2.3
KBA	1.80	195.1	Sg	22:46:16.256	-0.2					T__				m_e	
TANN	1.89	328.1	Pg	22:45:55.254	0.3					T__	8.1			m_e ML	2.4
GUNZ	1.90	325.1	Pg	22:45:53.708	-1.4					T__	3.2			m_e ML	2.1
FUR	1.94	251.3	Pg	22:45:55.436	-0.4					T__	4.0			m_e ML	2.7
FUR	1.94	251.3	Sg	22:46:21.503	0.5					T__				m_e	
GRA1	2.03	296.6	Pg	22:45:57.688	0.1					T__	2.1			m_e ML	2.3
BRG	2.06	358.4	Pg	22:45:57.920	-0.1					T__	2.2			m_e ML	2.2
WTTA	2.23	226.8	Sg	22:46:29.961	-0.2					T__				m_e ML	2.5
MOX	2.40	320.4	Sg	22:46:35.150	-0.5					T__				m_e ML	2.2
CLL	2.58	345.5	Sg	22:46:41.031	-0.1					T__				m_e ML	2.5

Event 90507005 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/07	21:24:19.40	0.09	0.57	51.4839	6.5804	2.1	1.2	125	1.0f		21	9	148			m i sr	LDG	90507035
2009/05/07	21:24:18.70	0.42	0.21	51.5350	6.5790				1.0f			7	276	0.29	1.33	m i ki	BNS	90507025
2009/05/07	21:24:19.82	0.36	0.89	51.4780	6.6020	6.7	3.3	122	1.0f		12	8	163	0.42	3.34	m i ki	BGR	90507015
2009/05/07	21:24:18.30			51.4170	6.5520				1.0f							m i ki	BUG	90507005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML 2.6	0.3	9	LDG	90507035
ML 2.0			BNS	90507025
ML 2.4	0.2	5	BGR	90507015
ML 1.8			BUG	90507005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.10	6.9	Pg	21:24:19.200	-1.0					T__				m__ ML	1.8
BRHE	0.10	6.9	Sg	21:24:20.000	-1.5					T__				m__	
LAUG	0.25	104.9	Pg	21:24:24.230	1.2					---				m_e	
RODG	0.36	220.6	Pg	21:24:27.620	2.6					---				m_e	
BUG	0.45	86.7	Pg	21:24:27.510	0.8					---	11.9			m_e ML	2.2

BUG	0.45	86.7	Sg	21:24:33.810	1.3	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
WTSB	0.57	15.5	Pg	21:24:28.749	-0.3	---	---	---	---	---	12.6	---	---	---	---	---	---	m_e	---	---
WTSB	0.57	15.5	Sg	21:24:35.493	-0.9	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
BNS	0.60	139.0	Pg	21:24:31.920	2.3	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
HOBG	0.65	131.2	Pg	21:24:32.480	1.9	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
HGN	0.76	211.1	Pg	21:24:34.880	2.3	---	---	---	---	---	41.3	---	---	---	---	---	---	m_e	---	---
HGN	0.76	211.1	Sg	21:24:46.400	3.9	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
KLL	0.79	191.2	Pg	21:24:35.650	2.6	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
STB	0.84	167.5	Pg	21:24:36.890	2.7	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
STB	0.84	167.5	Sg	21:24:50.110	5.0	---	---	---	---	---	---	---	45.1	0.79	---	---	---	m_e	---	---
IBBN	1.16	39.5	Pg	21:24:40.183	0.0	---	---	---	---	---	2.2	---	---	---	---	---	---	m_e	ML	2.5
IBBN	1.16	39.5	Sg	21:24:55.343	0.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
KOE	1.24	142.7	Pg	21:24:42.880	1.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
TNS	1.69	134.2	Pn	21:24:50.653	2.5	---	---	---	---	---	2.7	---	---	---	---	---	---	m_e	ML	2.2
WLF	1.77	188.4	Pn	21:24:53.529	4.3	---	---	---	---	---	3.8	---	---	---	---	---	---	m_e	ML	2.3
WLF	1.77	188.4	Sg	21:25:16.761	2.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
CLZ	2.41	78.4	Sg	21:25:34.067	-0.8	---	---	---	---	---	---	---	---	---	---	---	---	m_e	ML	2.6
BFO	3.29	159.0	Pn	21:25:12.048	2.2	---	---	---	---	---	2.9	---	---	---	---	---	---	m_e	---	---

Event 90507001 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID		
2009/05/07	21:27:16.70	0.38	0.21	47.8620	15.8540				10.0f					5	357	5.90	6.82	m i ke	BNS	90507021
2009/05/07	21:27:12.61	0.15	1.75	47.5698	15.6805	1.6	1.0	127	11.9	2.5	23	7	039					m i fe	ZAMG	90507011
2009/05/07	21:27:15.65	0.28	1.31	47.5880	15.6500	5.6	4.4	099	10.0f		35	23	159	0.35	5.41			m i ke	BGR	90507001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BNS	90507021
ML	4.3	0.2	8 ZAMG	90507011
ML	4.6	0.4	22 BGR	90507001

Effects Loctyp Location Intensity Scale Author
D Summar 6.0 EMS ZAMG

(Slight damage of buildings in Muerzzuschlag and Spital, e.g. cracks in walls, plaster fell off.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	0.35	194.3	Pg	21:27:19.931	-2.5					T__	2674.			m_e	ML 3.9
ARSA	0.35	194.3	Sg	21:27:25.211	-1.9					T__				m_e	
MOA	0.97	286.2	Pg	21:27:32.643	-1.3					T__	849.1			m_e	ML 4.1
MOA	0.97	286.2	Sg	21:27:47.372	0.9					T__				m_e	
OBKA	1.31	215.2	Pn	21:27:38.099	-1.2					T__	398.9			m_e	ML 4.3
OBKA	1.31	215.2	Sg	21:27:56.968	-0.5					T__				m_e	
KBA	1.64	252.8	Pn	21:27:43.998	0.2					T__	274.1			m_e	ML 4.3
KBA	1.64	252.8	Sg	21:28:08.089	0.2					T__				m_e	
GEC2	1.81	314.8	Pn	21:27:46.277	0.2					T__	364.4			m_e	ML 4.3
GEC2	1.81	314.8	Sg	21:28:11.501	-1.6					T__				m_e	
RJOB	1.93	275.5	Pn	21:27:48.469	0.8					T__	170.1			m_e	ML 4.5
RJOB	1.93	275.5	Sg	21:28:17.015	0.1					T__				m_e	
WET	2.41	311.2	Pn	21:27:54.372	0.2					T__	72.7			m_e	ML 4.5
PRU	2.51	343.5	Pn	21:27:55.457	-0.1					T__	24.3			m_e	ML 4.4
MORC	2.52	29.0	Pn	21:27:54.228	-1.5					T__	188.2			m_e	ML 4.1

MORC	2.52	29.0	Sn	21:28:24.516	0.0	T__											m_e	
WTTA	2.73	264.7	Pn	21:28:00.366	1.8	T__	65.7										m_e ML	4.7
OKC	2.79	35.3	Pn	21:27:58.434	-0.9	T__	73.6										m_e ML	4.4
DPC	2.80	8.8	Pn	21:27:59.345	-0.1	T__	25.9										m_e ML	4.7
FUR	2.99	282.7	Pn	21:28:03.153	1.1	T__	23.3										m_e ML	4.9
FUR	2.99	282.7	Sg	21:28:50.241	-0.4	T__											m_e	
ROTZ	3.15	315.1	Pn	21:28:04.679	0.5	T__	29.8										m_e ML	4.8
ROTZ	3.15	315.1	Sg	21:28:54.025	-1.7	T__											m_e	
MANZ	3.35	317.1	Pn	21:28:07.526	0.6	T__	12.3										m_e ML	4.8
NKC	3.38	322.7	Pn	21:28:07.897	0.5	T__	16.8										m_e ML	5.1
NKC	3.38	322.7	Sg	21:29:01.381	-1.7	T__											m_e	
WERN	3.45	322.7	Pn	21:28:08.858	0.5	T__	31.4										m_e ML	4.8
WERN	3.45	322.7	Sg	21:29:02.175	-3.1	T__											m_e	
TANN	3.52	324.7	Pn	21:28:09.502	0.3	T__	40.0										m_e ML	4.8
FBE	3.65	336.7	Pn	21:28:12.519	1.4	T__	6.6										m_e ML	4.1
DAVA	3.91	267.7	Pn	21:28:16.308	1.7	T__	137.1										m_e ML	5.0
STU	4.46	287.8	Pn	21:28:23.019	1.0	T__	11.5										m_e ML	5.3
STU	4.46	287.8	Sn	21:29:12.349	2.2	T__											m_e	
BFO	4.96	281.3	Pn	21:28:29.429	0.7	T__	82.7										m_e ML	5.1
TNS	5.41	301.8	Pn	21:28:36.634	1.7	T__	27.0										m_e	
KOE	5.91	301.6	Pn	21:28:43.300	1.6	---											m_e	
BGG	6.06	298.7	Pn	21:28:45.700	2.1	---											m_e	
HOBG	6.39	305.2	Pn	21:28:50.500	2.3	---											m_e	
HILG	6.48	298.0	Pn	21:28:51.100	1.7	---											m_e	
STB	6.50	300.8	Pn	21:28:51.300	1.6	---											m_e	
STB	6.50	300.8	Sn	21:30:03.100	5.1	---											m_i	
KLL	6.83	300.1	Pn	21:28:55.700	1.6	---							99.1	0.84			m_e	

Event 90508002 E of Groningen/NL

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	05:23:11.90	0.31	0.76	53.3796	6.5956	6.7	4.9	078	4.0f		30	18	299				m i ke LDG	90508012
2009/05/08	05:23:12.64	0.49	0.63	53.3460	6.7720	6.7	3.3	112	1.0f		17	9	206	0.54	2.66		m i ki BGR	90508002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.2	9 LDG	90508012
ML	2.8	0.1	4 BGR	90508002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WIT	0.54	186.6	Pg	05:23:24.585	1.8					T__					m_e
HLG	1.06	37.7	Pg	05:23:33.386	0.7					T__					m_e ML 2.8
HLG	1.06	37.7	Sg	05:23:48.643	2.2					T__					m_e
IBBN	1.20	149.8	Pg	05:23:35.692	0.5					T__					m_e ML 2.9
IBBN	1.20	149.8	Sg	05:23:52.966	2.2					T__					m_e
WTSB	1.38	179.3	Pn	05:23:37.090	-1.2					T__					m_e
WTSB	1.38	179.3	Sg	05:23:58.012	1.5					T__					m_e
BUG	1.93	170.8	Pn	05:23:44.852	-0.9					T__					m_e ML 2.7
BUG	1.93	170.8	Sg	05:24:15.444	1.5					T__					m_e
NRDL	2.18	111.6	Pn	05:23:49.466	0.3					T__					m_e
NRDL	2.18	111.6	Sn	05:24:15.525	0.2					T__					m_e
HGN	2.63	191.6	Pn	05:23:54.028	-1.3					T__					m_e

HGN	2.63	191.6	Pg	05:24:01.765	-0.5	T__	m_e													
HGN	2.63	191.6	Sg	05:24:37.224	0.9	T__	m_e													
CLZ	2.65	123.1	Pn	05:23:55.518	-0.1	T__	m_e	ML	2.7											
CLZ	2.65	123.1	Sn	05:24:25.881	-0.5	T__	m_e													
ASSE	2.66	115.7	Pn	05:23:55.213	-0.4	T__	m_e													

Event 90508003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	06:55:53.24	0.45	0.77	51.4990	16.1060	5.6	2.2	018	1.0f		26	16	199	0.67	3.59	m i ki	BGR	90508003

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.4	15 BGR	90508003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.67	169.8	Pg	06:56:06.096	0.3					T__				m_e	ML 2.3
KSP	0.67	169.8	Sg	06:56:15.580	1.2					T__				m_e	
DPC	1.16	173.2	Pg	06:56:14.918	-0.1					T__				m_e	ML 2.6
DPC	1.16	173.2	Sg	06:56:30.970	1.0					T__				m_e	
BRG	1.49	246.1	Pn	06:56:20.861	0.4					T__				m_e	ML 3.0
BRG	1.49	246.1	Sg	06:56:41.255	0.6					T__				m_e	
FBE	1.82	252.5	Sg	06:56:51.019	0.0					T__				m_e	ML 2.2
CLL	1.95	265.6	Pn	06:56:25.270	-1.3					T__				m_e	ML 2.9
CLL	1.95	265.6	Sg	06:56:54.418	-0.6					T__				m_e	
MORC	1.95	151.6	Pn	06:56:25.896	-0.7					T__				m_e	ML 2.6
MORC	1.95	151.6	Sg	06:56:53.973	-1.2					T__				m_e	
OKC	2.11	141.3	Pn	06:56:28.348	-0.4					T__				m_e	ML 2.9
OKC	2.11	141.3	Sg	06:56:59.005	-1.1					T__				m_e	
TANN	2.54	246.1	Pn	06:56:34.513	-0.1					T__				m_e	ML 3.3
TANN	2.54	246.1	Sg	06:57:13.151	-0.7					T__				m_e	
WERD	2.61	247.8	Pn	06:56:35.188	-0.4					T__				m_e	ML 3.1
WERD	2.61	247.8	Sg	06:57:16.685	0.4					T__				m_e	
OJC	2.66	117.3	Sg	06:57:18.737	1.0					T__				m_e	ML 3.1
MANZ	2.95	240.7	Pn	06:56:40.733	0.6					T__				m_e	ML 3.2
MANZ	2.95	240.7	Sg	06:57:26.899	0.0					T__				m_e	
MOX	2.95	254.9	Sg	06:57:27.795	0.9					T__				m_e	ML 3.5
ROTZ	3.02	236.5	Pn	06:56:41.508	0.4					T__				m_e	ML 3.0
GEC2	3.07	211.1	Pn	06:56:43.113	1.3					T__				m_e	ML 3.2
GEC2	3.07	211.1	Sg	06:57:29.771	-0.9					T__				m_e	
CLZ	3.57	277.7	Pn	06:56:48.958	0.3					T__				m_e	
GRA1	3.59	241.7	Sg	06:57:47.908	0.7					T__				m_e	ML 3.6

Event 90508005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	09:29:18.00	0.50	0.69	51.5190	16.1740	6.7	2.2	018	1.0f		22	13	213	0.68	3.63	m i ki	BGR	90508005

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.4	14 BGR	90508005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	173.6	Pg	09:29:30.349	-0.5					T__				m_e	ML 2.3
KSP	0.68	173.6	Sg	09:29:40.041	0.4					T__				m_e	
DPC	1.17	175.4	Pg	09:29:39.259	-0.8					T__				m_e	ML 2.6
DPC	1.17	175.4	Sg	09:29:55.048	-0.2					T__				m_e	
BRG	1.54	246.1	Pn	09:29:45.376	-0.4					T__				m_e	ML 3.0
BRG	1.54	246.1	Sg	09:30:06.662	-0.3					T__				m_e	
FBE	1.86	252.4	Pn	09:29:51.860	1.6					T__				m_e	ML 2.3
FBE	1.86	252.4	Sg	09:30:16.652	-0.6					T__				m_e	
MORC	1.95	153.0	Pn	09:29:50.491	-0.8					T__				m_e	ML 2.6
MORC	1.95	153.0	Sg	09:30:19.921	0.1					T__				m_e	
CLL	1.99	265.1	Pn	09:29:51.039	-0.9					T__				m_e	ML 2.9
OKC	2.10	142.6	Pn	09:29:52.974	-0.4					T__				m_e	ML 3.0
TANN	2.59	246.2	Pn	09:30:00.125	0.1					T__				m_e	ML 3.2
TANN	2.59	246.2	Sg	09:30:40.700	0.6					T__				m_e	
OJC	2.63	118.2	Sg	09:30:42.253	0.7					T__				m_e	ML 3.3
WERD	2.66	247.8	Pn	09:30:01.089	0.1					T__				m_e	ML 3.0
MOX	2.99	254.8	Pg	09:30:13.613	-0.8					T__				m_e	ML 3.3
MOX	2.99	254.8	Sg	09:30:53.696	0.6					T__				m_e	
MANZ	2.99	240.8	Pn	09:30:06.094	0.6					T__				m_e	ML 3.2
MANZ	2.99	240.8	Sg	09:30:53.805	0.7					T__				m_e	
GEC2	3.11	211.6	Pn	09:30:08.116	1.0					T__				m_e	ML 3.2
GRA1	3.63	241.8	Sg	09:31:13.458	0.0					T__				m_e	ML 3.7

Event 90508013 Landau i.d. Pfalz, NW of Karlsruhe

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	13:14:33.90	0.06	0.31	49.1539	8.1230	1.3	1.0	132	10.0	0.0	18	7	052			m i ke	LDG	90508033
2009/05/08	13:14:34.28	0.41	0.39	49.1600	8.1270	6.7	3.3	090	3.0f		8	4	160	0.84	1.38	m i ki	BGR	90508023
2009/05/08	13:14:33.90	0.20	0.21	49.1500	8.1600	3.0	1.0	110	3.0f		23	16	065	0.18	1.25	m i ki	LED	90508013

(#PRIME)

(correlated with geothermal plant in Insheim)

Magnitude	Err	Nsta	Author	OrigID
MD	2.3	1	LDG	90508033
ML	2.2 0.4	8	LDG	90508033
ML	1.9 0.3	3	BGR	90508023
ML	2.0 0.1	7	LED	90508013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KTD	0.18	343.7	P*	13:14:37.460						T__				mdi	
LANF	0.29	234.0	P*	13:14:39.430						T__				mci	
LANF	0.29	234.0	S*	13:14:43.590						T__				m__	
SWS	0.49	46.3	P*	13:14:43.150						T__				m__	ML 1.7
SWS	0.49	46.3	S*	13:14:49.970						T__				m__	
TOD	0.62	42.4	PmP	13:14:46.710	-2.3					T__				mde	
TOD	0.62	42.4	S*	13:14:53.940						T__				m__	
LBG	0.64	139.1	S*	13:14:54.940						__				m__	ML 1.6
LBG	0.64	139.1	SmS	13:14:57.500	-2.5					T__				m__	
BFO	0.83	172.2	Pg	13:14:50.340	0.8					T__				m__	ML 2.1
BFO	0.83	172.2	Sg	13:15:00.463	0.3					__				m_e	
ABH	0.83	331.7	P*	13:14:49.860						T__				m__	

RUP	0.90	308.0	Sg	13:15:02.350	-0.3	T__	m__												
SIND	0.96	77.6	Pn	13:14:52.370	-1.3	T__	m__	ML	1.8										
SIND	0.96	77.6	Sg	13:15:05.900	1.4	T__	m__												
SOS2	0.96	77.6	P*	13:14:35.660		T__	md__												
SOS2	0.96	77.6	S*	13:14:37.870		---	m__												
SOS3	0.96	77.6	P*	13:14:35.790		T__	mdi												
SOS3	0.96	77.6	S*	13:14:37.310		T__	m__												
SOS6	0.96	77.6	P*	13:14:34.270		T__	mdi												
SOS6	0.96	77.6	S*	13:14:34.580		---	m__												
STS1	0.96	77.6	P*	13:14:35.610		T__	m__												
STS1	0.96	77.6	S*	13:14:37.220		---	m__												
STS4	0.96	77.6	P*	13:14:35.430		T__	m__												
STS4	0.96	77.6	S*	13:14:36.880		T__	m__												
BUCH	1.05	131.3	Pg	13:14:54.590	0.8	---	m__	ML	2.1										
TNS	1.09	9.7	Pg	13:14:54.780	0.4	T__	m__	ML	2.0										
TNS	1.09	9.7	Sg	13:15:08.827	0.3	---	m_e												
ECH	1.14	215.7	Pg	13:14:55.450	-0.0	T__	m__												
ECH	1.14	215.7	Sg	13:15:11.134	0.9	---	m_e												
KIZ	1.20	187.7	Sg	13:15:12.510	0.3	T__	m__	ML	2.1										
GUT	1.25	149.3	Sg	13:15:14.830	1.2	---	m__												
WLF	1.40	292.3	Pg	13:15:00.487	0.1	---	m_e	ML	2.2										
WLF	1.40	292.3	Sg	13:15:17.855	-0.7	---	m_e												

Event 90508008 Landau i.d. Pfalz, NW of Karlsruhe

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	19:23:20.00	0.41	0.21	49.1590	8.1810				10.0f			4	333	1.18	1.68	m i ke	BNS	90508038
2009/05/08	19:23:18.60	0.06	0.68	49.1579	8.1317	1.2	1.0	098	10.7	0.7	45	13	040			m i ke	LDG	90508028
2009/05/08	19:23:18.68	0.38	0.51	49.1750	8.1320	4.4	3.3	051	3.0f		8	6	121	0.81	3.67	m i ki	BGR	90508018
2009/05/08	19:23:18.60	0.10	0.24	49.1500	8.1600	1.0	1.0	107	3.0f		23	10	095	0.18	1.70	m i ki	LED	90508008

(#PRIME)

(correlated with geothermal plant in Insheim)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90508038
MD	2.8	0.1	3 LDG	90508028
ML	2.7	0.2	14 LDG	90508028
ML	2.3	0.3	6 BGR	90508018
ML	2.1	0.2	18 LED	90508008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KTD	0.18	343.7	P*	19:23:22.260						T__				mdi	
KTD	0.18	343.7	S*	19:23:24.850						T__				m__	
LANF	0.29	234.0	P*	19:23:24.220						T__				mci	
LANF	0.29	234.0	S*	19:23:28.380						T__				m__	
PEB	0.30	254.1	P*	19:23:24.370						T__				mci	ML
PEB	0.30	254.1	S*	19:23:28.670						T__				m__	1.9
IMS	0.47	339.3	P*	19:23:27.520						T__				mdi	ML
IMS	0.47	339.3	S*	19:23:34.190						T__				m_i	1.5
SWS	0.49	46.3	P*	19:23:27.900						T__				mce	ML
SWS	0.49	46.3	PmP	19:23:29.630	-2.3					T__				m__	2.1
SWS	0.49	46.3	S*	19:23:34.610						T__				m_i	

TOD	0.62	42.4	PmP	19:23:31.500	-2.3
TOD	0.62	42.4	S*	19:23:38.640	
LBG	0.64	139.1	P*	19:23:31.090	
LBG	0.64	139.1	PmP	19:23:32.430	-1.6
LBG	0.64	139.1	S*	19:23:39.410	
LBG	0.64	139.1	SmS	19:23:42.380	-2.3
STU	0.78	118.8	Pg	19:23:34.177	0.9
STU	0.78	118.8	SmS	19:23:46.010	-2.2
BFO	0.83	172.2	P*	19:23:34.490	
BFO	0.83	172.2	Sg	19:23:46.198	1.3
ABH	0.83	331.7	P*	19:23:34.470	
TUBL	0.87	135.6	SmS	19:23:48.580	-2.2
RUP	0.90	308.0	PmP	19:23:37.120	-1.1
DUP	0.93	286.8	Sg	19:23:49.570	1.3
SIND	0.96	77.6	Pn	19:23:36.450	-1.9
SIND	0.96	77.6	Sg	19:23:50.450	1.2
BUCH	1.05	131.3	Pg	19:23:39.020	0.6
BUCH	1.05	131.3	Sg	19:23:53.520	1.5
LIBD	1.07	200.4	Pg	19:23:39.390	0.7
TNS	1.09	9.7	Pn	19:23:38.450	-1.6
TNS	1.09	9.7	Sn	19:23:53.850	-1.3
ECH	1.14	215.7	Pg	19:23:40.100	-0.1
FSH	1.15	324.1	Pg	19:23:40.700	0.4
FSH	1.15	324.1	Sg	19:23:55.520	0.4
BGG	1.18	333.6	Pg	19:23:40.700	-0.2
KIZ	1.20	187.7	Pg	19:23:41.060	-0.2
KIZ	1.20	187.7	Sn	19:23:56.160	-1.7
KIZ	1.20	187.7	Sg	19:23:57.710	0.8
FACH	1.21	355.0	Pg	19:23:41.540	0.1
FACH	1.21	355.0	Sg	19:23:57.600	0.5
GUT	1.25	149.3	Pg	19:23:42.450	0.3
FELD	1.28	184.7	Pg	19:23:42.220	-0.5
KOE	1.30	347.9	Pg	19:23:42.770	-0.4
WLF	1.40	292.3	Pg	19:23:44.980	-0.1
WLF	1.40	292.3	Sg	19:24:03.030	-0.2
MOF	1.47	208.0	Pg	19:23:46.110	-0.1
HILG	1.49	320.6	Pg	19:23:45.550	-1.1
SISB	1.56	159.7	Pg	19:23:48.960	1.0
SOS2	1.56	159.7	P*	19:23:20.420	
SOS2	1.56	159.7	S*	19:23:22.300	
SOS3	1.56	159.7	P*	19:23:20.590	
SOS3	1.56	159.7	S*	19:23:22.640	
SOS6	1.56	159.7	P*	19:23:19.070	
SOS6	1.56	159.7	S*	19:23:19.690	
BIW	1.59	352.6	Pg	19:23:47.860	-0.8
BLI	1.62	312.5	Sg	19:24:08.940	-1.3
STB	1.68	330.0	Pg	19:23:47.700	-2.5
STB	1.68	330.0	Sg	19:24:08.300	-3.6
STS1	1.68	330.0	P*	19:23:20.220	
STS1	1.68	330.0	S*	19:23:21.830	
THEF	1.70	238.0	Pg	19:23:48.730	-1.9
THEF	1.70	238.0	Sg	19:24:12.420	-0.2
TANN	3.05	63.9	Sg	19:24:54.909	-0.6
GEC2	3.65	92.7	Sg	19:25:14.000	-0.5

T__						m_i		
T__						m__		
T__						mde ML		2.1
__						m__		
T__						m__		
T__						m__		
__						m_e ML		2.2
__						m__		
__						m__ ML		2.2
__						m_e		
__						m__		
__						m__ ML		2.2
__						m__		
__						m__		
__						mde ML		2.5
__						m__		
__						m_e ML		2.5
__						m__		
__						m_e		
__						mde ML		2.3
__						m__		
__						m__ ML		2.4
__						m__		
__						m__ ML		2.1
__						m__		
__						m_e		
__						m__ ML		2.1
__						m__		
__						m_e		
__						m__ ML		2.1
T__						mc__		
T__						m__		
T__						md__		
T__						m__		
T__						mdi		
T__						m__		
__						m__ ML		2.0
__						m__ ML		2.2
__						m_e		
__						m_e		
T__					11.2	0.42	m_e	
__						md__		
__						m__		
__						m__		
__						m_e ML		2.7
__						m_e ML		2.7

Event 90508009 Landau i.d. Pfalz, NW of Karlsruhe

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	20:33:10.80	0.29	0.11	49.1640	8.2270				10.0f			4	333	1.19	1.69	m i ke	BNS	90508039
2009/05/08	20:33:09.70	0.06	0.68	49.1592	8.1253	1.2	1.0	099	10.0	0.0	43	14	040			m i ke	LDG	90508029
2009/05/08	20:33:09.70	0.34	0.58	49.1740	8.1280	3.3	3.3	011	3.0f		12	7	121	0.81	3.67	m i ki	BGR	90508019
2009/05/08	20:33:09.70	0.10	0.13	49.1500	8.1500	1.0	1.0	317	3.0f		18	10	094	0.18	1.70	m i ki	LED	90508009

(#PRIME)

(correlated with geothermal plant in Insheim)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		BNS	90508039
MD	3.0	0.1	3 LDG	90508029
ML	2.5	0.3	15 LDG	90508029
ML	2.0	0.2	4 BGR	90508019
ML	2.0	0.2	18 LED	90508009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KTD	0.18	345.8	P*	20:33:13.260						T__				mdi	
LANF	0.28	233.3	P*	20:33:15.300						T__				mci	
LANF	0.28	233.3	S*	20:33:19.240						T__				m__	
PEB	0.30	253.8	P*	20:33:15.410						T__				mci ML	1.7
PEB	0.30	253.8	S*	20:33:19.700						T__				m_i	
IMS	0.47	340.0	P*	20:33:18.510						T__				mdi ML	1.4
IMS	0.47	340.0	PmP	20:33:20.060	-2.8					___				m__	
IMS	0.47	340.0	S*	20:33:25.140						T__				m_i	
IMS	0.47	340.0	SmS	20:33:28.340	-3.5					___				m__	
SWS	0.49	46.8	P*	20:33:18.960						T__				mci ML	2.0
SWS	0.49	46.8	S*	20:33:25.740						T__				m_i	
SWS	0.49	46.8	SmS	20:33:28.830	-3.4					___				m__	
TOD	0.62	42.8	PmP	20:33:22.580	-2.3					T__				m__	
TOD	0.62	42.8	S*	20:33:29.770						___				m__	
LBG	0.65	138.6	S*	20:33:30.750						T__				m__ ML	2.1
LBG	0.65	138.6	SmS	20:33:33.580	-2.3					T__				m__	
STU	0.78	118.6	S*	20:33:36.680						___				m__ ML	2.0
BFO	0.83	171.7	Pn	20:33:25.300	-2.3					___				mde ML	2.2
BFO	0.83	171.7	Pg	20:33:26.080	0.8					___				m__	
BFO	0.83	171.7	Sg	20:33:37.800	1.8					___				m_e	
ABH	0.83	332.1	P*	20:33:25.640						___				m__	
TUBL	0.88	135.3	Sg	20:33:39.470	1.9					___				m__ ML	2.0
DUP	0.93	286.9	Sg	20:33:40.460	1.3					___				m__	
SIND	0.97	77.6	Pn	20:33:27.490	-2.1					___				m__ ML	2.2
SIND	0.97	77.6	Sg	20:33:41.840	1.3					___				m__	
BUCH	1.06	131.0	Pg	20:33:30.240	0.6					___				m__ ML	2.2
BUCH	1.06	131.0	Sg	20:33:44.780	1.5					___				m__	
TNS	1.09	10.1	Pn	20:33:29.580	-1.6					___				mce ML	2.3
TNS	1.09	10.1	Pg	20:33:30.560	0.3					___				mce	
TNS	1.09	10.1	Sg	20:33:44.902	0.6					___				m_e	
ECH	1.14	215.4	Pg	20:33:31.300	0.1					___				m__	
FSH	1.15	324.3	Pg	20:33:31.620	0.3					___				m__ ML	2.2
FSH	1.15	324.3	Sg	20:33:46.530	0.4					___				m__	

BGG	1.18	333.8	Pg	20:33:31.690	-0.3	---	m_e		
KIZ	1.20	187.4	P	20:33:32.220		---	m ML	2.2	
KIZ	1.20	187.4	Sg	20:33:48.510	0.6	---	m		
FACH	1.21	355.3	Pg	20:33:32.370	-0.2	---	m ML	2.0	
FACH	1.21	355.3	Sg	20:33:48.590	0.4	---	m		
GUT	1.25	149.0	Pg	20:33:33.700	0.4	---	m ML	2.1	
GUT	1.25	149.0	Sg	20:33:50.060	0.5	---	m		
FELD	1.28	184.4	Sg	20:33:50.980	0.7	---	m		
KOE	1.30	348.2	Pg	20:33:33.470	-0.8	---	m_e		
WLF	1.40	292.4	Sg	20:33:53.880	-0.2	---	m ML	2.0	
HILG	1.49	320.8	Pg	20:33:36.380	-1.3	---	m_e		
SISB	1.56	159.4	Pg	20:33:39.780	0.7	---	m ML	2.1	
SOS2	1.56	159.4	P*	20:33:11.410		T	mc		
SOS2	1.56	159.4	S*	20:33:12.650		T	m		
SOS6	1.56	159.4	P*	20:33:10.160		T	m_i		
SOS6	1.56	159.4	S*	20:33:10.460		---	m		
BIW	1.59	352.9	Pg	20:33:38.720	-1.0	---	m ML	2.0	
BLI	1.62	312.6	Sg	20:33:59.740	-1.4	---	m ML	2.0	
STB	1.67	330.2	Pg	20:33:38.690	-2.5	---	m_e		
STB	1.67	330.2	Sg	20:33:59.290	-3.6	---	m_e	8.4 0.47	
STS1	1.67	330.2	P*	20:33:11.160		T	m		
STS1	1.67	330.2	S*	20:33:12.930		T	m		
STS4	1.67	330.2	P*	20:33:11.260		T	m		
THEF	1.70	237.9	Pg	20:33:40.930	-0.7	---	m		
MOX	2.69	54.9	Sg	20:34:34.726	-0.3	---	m_e		
MANZ	2.70	70.5	Sg	20:34:35.888	0.4	---	m_e		
TANN	3.06	63.9	Pg	20:34:07.045	-0.3	---	m_e		
TANN	3.06	63.9	Sg	20:34:45.683	-1.2	---	m_e		
WET	3.09	88.3	Sn	20:34:34.097	0.7	---	m_e		
GEC2	3.65	92.7	Sn	20:34:48.728	2.2	---	m_e		

Event 90508011 Landau i.d. Pfalz, NW of Karlsruhe

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/08	22:28:33.90	0.46	0.21	49.1620	8.1760				10.0f			4	333	1.18	1.67	m i ke	BNS	90508041
2009/05/08	22:28:32.60	0.05	0.44	49.1594	8.1217	1.1	0.9	093	10.0	0.0	38	13	040			m i ke	LDG	90508031
2009/05/08	22:28:32.50	0.35	0.51	49.1590	8.1640	3.3	3.3	012	3.0f		10	7	120	0.78	3.05	m i ki	BGR	90508021
2009/05/08	22:28:32.70	0.10	0.22	49.1600	8.1500	2.0	1.0	112	3.0f		17	9	091	0.17	1.97	m i ki	LED	90508011

(#PRIME)

(correlated with geothermal plant in Insheim)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		BNS	90508041
MD	2.5	1	LDG	90508031
ML	2.3	0.3	10 LDG	90508031
ML	1.9	0.1	5 BGR	90508021
ML	2.0	0.2	19 LED	90508011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KTD	0.17	344.9	P*	22:28:36.240						T				mdi	
LANF	0.29	231.7	P*	22:28:38.260						T				mci	
LANF	0.29	231.7	S*	22:28:42.260						---				m	

PEB	0.30	251.9	P*	22:28:38.380	
IMS	0.46	339.6	P*	22:28:41.500	
IMS	0.46	339.6	S*	22:28:48.180	
SWS	0.48	47.7	P*	22:28:41.950	
SWS	0.48	47.7	S*	22:28:48.740	
TOD	0.62	43.4	P*	22:28:44.830	
LBG	0.65	139.2	P*	22:28:45.150	
LBG	0.65	139.2	S*	22:28:53.780	
LBG	0.65	139.2	SmS	22:28:56.740	-2.3
STU	0.79	119.2	Sg	22:28:58.039	0.3
STU	0.79	119.2	SmS	22:29:00.170	-2.4
ABH	0.82	331.8	P*	22:28:48.650	
BFO	0.84	171.8	P*	22:28:48.270	
BFO	0.84	171.8	S*	22:28:59.430	
TUBL	0.88	135.7	P*	22:28:50.110	
SIND	0.97	78.2	Pn	22:28:50.430	-2.1
SIND	0.97	78.2	Sg	22:29:04.800	1.3
BUCH	1.06	131.4	Pg	22:28:53.230	0.5
BUCH	1.06	131.4	Sg	22:29:07.970	1.5
TNS	1.08	10.1	P*	22:28:52.660	
TNS	1.08	10.1	S*	22:29:07.260	
FSH	1.14	324.0	Pg	22:28:54.580	0.4
FSH	1.14	324.0	Sg	22:29:09.460	0.6
ECH	1.15	215.1	Pg	22:28:54.200	-0.2
BGG	1.17	333.6	Pg	22:28:54.430	-0.3
FACH	1.20	355.2	Pg	22:28:55.310	-0.0
FACH	1.20	355.2	Sg	22:29:12.020	1.2
KIZ	1.21	187.3	Pg	22:28:55.260	-0.3
KIZ	1.21	187.3	S	22:29:09.810	
GUT	1.26	149.3	Pg	22:28:56.690	0.2
GUT	1.26	149.3	Sg	22:29:13.150	0.3
FELD	1.29	184.4	Pg	22:28:56.810	-0.2
KOE	1.29	348.1	Pg	22:28:56.580	-0.5
WLF	1.39	292.0	Pg	22:28:59.579	0.6
WLF	1.39	292.0	Sg	22:29:17.230	0.2
HILG	1.48	320.5	Pg	22:28:59.380	-1.2
SISB	1.57	159.6	Pg	22:29:02.780	0.5
SISB	1.57	159.6	S	22:29:19.440	
SOS2	1.57	159.6	P*	22:28:34.390	
SOS2	1.57	159.6	S*	22:28:36.010	
SOS3	1.57	159.6	P*	22:28:34.050	
SOS3	1.57	159.6	S*	22:28:35.090	
SOS6	1.57	159.6	P*	22:28:33.150	
SOS6	1.57	159.6	S*	22:28:33.390	
BIW	1.58	352.8	Pg	22:29:01.580	-1.0
BLI	1.61	312.4	Sg	22:29:22.780	-1.2
STB	1.66	330.0	Pg	22:29:01.430	-2.6
STB	1.66	330.0	Sg	22:29:22.030	-3.5
STS1	1.66	330.0	P*	22:28:34.680	
STS1	1.66	330.0	S*	22:28:36.400	
UBR	1.97	138.0	Sg	22:29:36.190	0.9
GRA1	2.07	73.9	Sg	22:29:37.986	-0.4
MOX	2.68	55.1	Sg	22:29:57.535	-0.3
TANN	3.05	64.1	Sg	22:30:09.000	-0.7

T__	mci	ML	1.5
T__	mdi	ML	1.5
T__	m__		
T__	mc__	ML	1.9
T__	m__		
T__	m__		
T__	m__	ML	1.8
T__	m__		
T__	m__		
---	m_e	ML	2.0
---	m__		
---	m__	ML	2.1
---	m__		
---	m__	ML	2.0
---	mde	ML	2.0
---	m__		
---	m__	ML	2.2
---	m__		
---	m__	ML	2.2
---	m__		
---	mc__	ML	2.2
---	m__		
---	m__		
---	m_e		
---	m__	ML	2.0
---	m__		
---	m__	ML	2.2
---	m__		
---	m__	ML	2.1
---	m__		
---	m_e		
---	m_e	ML	1.9
---	m__		
---	m__	ML	2.1
---	m__		
T__	mci		
---	m__		
T__	m_i		
T__	m__		
T__	mdi		
T__	m__		
---	m__	ML	1.9
---	m__	ML	2.0
---	m_e		
6.3 0.35	m_e		
T__	m__		
---	m__		
---	m__	ML	2.2
---	m_e	ML	2.1
---	m_e		
---	m_e		

Event 90509001 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/09	08:28:09.00	1.01	0.51	51.5510	6.5440				1.0f			7	296	0.32	1.44	m i ki	BNS	90509011
2009/05/09	08:28:10.49	0.36	0.77	51.5100	6.5650	6.7	3.3	121	1.0f		11	8	170	0.44	1.75	m i ki	BGR	90509001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	90509011
ML	2.0	0.1	3 BGR	90509001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.28	123.8	Pg	08:28:14.870	-1.0									m_e	
BUG	0.44	98.7	Pg	08:28:18.069	-0.8					T_				m_e ML	2.0
BUG	0.44	98.7	Sg	08:28:24.818	0.2					T_				m_e	
WTSB	0.48	17.5	Pg	08:28:19.770	0.3					T_				m_e	
WTSB	0.48	17.5	Sg	08:28:25.366	-0.3					T_				m_e	
HOBG	0.71	137.3	Pg	08:28:23.510	-0.4									m_e	
HGN	0.85	208.3	Pg	08:28:25.547	-0.9					T_				m_e	
HGN	0.85	208.3	Sg	08:28:38.357	1.0					T_				m_e	
DREG	0.87	194.0	Pg	08:28:25.700	-1.2									m_e	
KLL	0.88	190.6	Pg	08:28:26.880	-0.2									m_e	
STB	0.93	169.2	Pg	08:28:27.600	-0.5									m_e	
STB	0.93	169.2	Sg	08:28:41.160	1.1							27.1	0.82	m_e	
MEM	0.97	201.5	Pg	08:28:27.511	-1.2					T_				m_e	
MEM	0.97	201.5	Sg	08:28:42.422	1.2					T_				m_e	
AHRW	1.02	161.5	Pg	08:28:29.518	-0.2					T_				m_e	
IBBN	1.08	42.3	Sg	08:28:46.154	1.2					T_				m_e ML	2.2
KOE	1.31	145.4	Pg	08:28:33.880	-1.3									m_e	
BGG	1.39	159.2	Pg	08:28:35.150	-1.6									m_e	
TNS	1.75	136.6	Pn	08:28:41.462	0.3					T_				m_e ML	1.9

Event 90511006 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/11	15:31:03.76	0.57	0.50	51.4900	16.1470	7.8	3.3	011	1.0f		16	14	211	0.65	3.61	m i ki	BGR	90511006

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	12 BGR	90511006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	171.9	Pg	15:31:16.200	0.1					T_				m_e	
DPC	1.15	174.4	Pg	15:31:24.963	-0.4					T_				m_e ML	2.8
DPC	1.15	174.4	Sg	15:31:40.186	0.0					T_				m_e	
BRG	1.51	246.8	Pn	15:31:30.481	-0.7					T_				m_e ML	3.0
BRG	1.51	246.8	Sg	15:31:52.056	0.2					T_				m_e	
FBE	1.84	253.1	Sg	15:32:01.769	-0.4					T_				m_e ML	2.3
MORC	1.93	152.1	Pn	15:31:36.293	-0.6					T_				m_e ML	2.7
CLL	1.97	265.9	Pn	15:31:36.623	-0.8					T_				m_e ML	2.9

OKC	2.08	141.7	Pn	15:31:38.674	-0.3														T__	m_e	ML	3.0
TANN	2.56	246.6	Pn	15:31:45.609	0.2														T__	m_e		
OJC	2.63	117.4	Sg	15:32:27.927	0.6														T__	m_e	ML	3.2
WERD	2.63	248.2	Pn	15:31:46.786	0.4														T__	m_e	ML	3.0
MANZ	2.97	241.1	Pn	15:31:51.457	0.5														T__	m_e	ML	3.3
MOX	2.97	255.2	Sg	15:32:38.957	0.8														T__	m_e	ML	3.4
ROTZ	3.04	237.0	Pn	15:31:52.629	0.8														T__	m_e	ML	3.0
GRA1	3.61	242.0	Sg	15:32:58.442	0.1														T__	m_e	ML	3.6

Event 90512005 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/12	19:23:54.40	0.93	0.41	51.5550	6.5680				1.0f				7 297	0.31	1.43	m i ki	BNS	90512025
2009/05/12	19:23:54.62	2.70	0.45	51.4900	6.5140	35.6	6.7	138	1.0f		5	4 269	0.47	1.84	m i ki	BGR	90512015	
2009/05/12	19:23:54.20			51.4170	6.5520				1.0f							m i ki	BUG	90512005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90512025
ML	2.3	0.1	3 BGR	90512015
ML	1.8		BUG	90512005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.10	6.9	Pg	19:23:55.200	-0.9					T__				m__	ML	1.8
BRHE	0.10	6.9	Sg	19:23:56.100	-1.3					T__				m__		
LAUG	0.25	104.9	Pg	19:24:00.250	1.3					---				m_e		
BUG	0.45	86.7	Pg	19:24:03.262	0.6					---				m_e	ML	2.4
BUG	0.45	86.7	Sg	19:24:09.804	1.4					---				m_e		
HOBG	0.65	131.2	Pg	19:24:08.660	2.1					---				m_e		
DREG	0.78	195.0	Pg	19:24:11.240	2.3					---				m_e		
KLL	0.79	191.2	Pg	19:24:12.330	3.3					---				m_e		
STB	0.84	167.5	Pg	19:24:13.010	2.9					---				m_e		
STB	0.84	167.5	Sg	19:24:26.580	5.6					---		32.0	0.86	m_e		
AHRW	0.94	159.2	Pg	19:24:14.587	2.7					---				m_e	ML	2.3
HILG	1.13	175.9	Pg	19:24:17.760	2.3					---				m_e		
BGG	1.31	157.4	Pg	19:24:20.670	1.8					---				m_e		
TNS	1.69	134.2	Pg	19:24:27.612	1.5					---				m_e	ML	2.1
WLF	1.77	188.4	Sg	19:24:52.750	2.3					---				m_e		

Event 90516002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/16	15:37:37.79	0.39	0.74	51.4930	16.1040	5.6	2.2	012	1.0f		32	15 211	0.66	3.58	m i ki	BGR	90516002	

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.3	14 BGR	90516002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
KSP	0.66	169.6	Pg	15:37:50.240	0.0					T__				m_e		
KSP	0.66	169.6	Sg	15:37:59.196	0.4					T__				m_e		

DPC	1.15	173.1	Pg	15:37:59.073	-0.4	T__	m_e	ML	3.0
DPC	1.15	173.1	Sg	15:38:14.657	0.3	T__	m_e		
BRG	1.49	246.3	Pn	15:38:04.195	-0.7	T__	m_e	ML	3.4
BRG	1.49	246.3	Pg	15:38:05.585	-0.3	T__	m_e		
BRG	1.49	246.3	Sg	15:38:25.609	0.5	T__	m_e		
MORC	1.94	151.4	Pn	15:38:10.615	-0.5	T__	m_e	ML	3.0
CLL	1.94	265.7	Pn	15:38:10.521	-0.6	T__	m_e	ML	3.5
CLL	1.94	265.7	Pg	15:38:13.688	-0.7	T__	m_e		
OKC	2.10	141.2	Pn	15:38:12.816	-0.4	T__	m_e	ML	3.5
OKC	2.10	141.2	Pg	15:38:16.675	-0.7	T__	m_e		
OKC	2.10	141.2	Sg	15:38:43.631	-0.9	T__	m_e		
TANN	2.53	246.3	Pn	15:38:19.373	0.3	T__	m_e	ML	3.6
TANN	2.53	246.3	Sg	15:38:57.217	-1.1	T__	m_e		
WERD	2.61	247.9	Pn	15:38:20.502	0.4	T__	m_e	ML	3.6
WERD	2.61	247.9	Sg	15:39:00.267	-0.4	T__	m_e		
OJC	2.66	117.2	Pn	15:38:19.205	-1.6	T__	m_e	ML	3.7
OJC	2.66	117.2	Pg	15:38:28.006	0.1	T__	m_e		
OJC	2.66	117.2	Sg	15:39:03.872	1.7	T__	m_e		
MANZ	2.94	240.8	Pn	15:38:25.564	0.9	T__	m_e	ML	3.6
MANZ	2.94	240.8	Pg	15:38:33.274	0.0	T__	m_e		
MANZ	2.94	240.8	Sg	15:39:11.626	0.3	T__	m_e		
MOX	2.94	255.0	Pn	15:38:24.933	0.3	T__	m_e	ML	3.9
MOX	2.94	255.0	Pg	15:38:33.252	-0.0	T__	m_e		
MOX	2.94	255.0	Sg	15:39:11.865	0.5	T__	m_e		
ROTZ	3.01	236.6	Pn	15:38:26.278	0.7	T__	m_e	ML	3.5
GEC2	3.06	211.1	Pn	15:38:27.314	1.1	T__	m_e	ML	3.6
WET	3.12	222.5	Pn	15:38:27.485	0.4	T__	m_e	ML	3.6
GRA1	3.58	241.7	Pn	15:38:34.270	0.9	T__	m_e	ML	4.1
GRA1	3.58	241.7	Pg	15:38:46.593	1.3	T__	m_e		
GRA1	3.58	241.7	Sg	15:39:31.732	0.1	T__	m_e		

Event 90518005 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/18	10:35:50.40	0.46	1.02	51.4945	6.5850	8.8	5.6	035	1.0f		17	13	280			m i sr	LDG	90518035
2009/05/18	10:35:49.90	0.86	0.41	51.4950	6.5830				1.0f			6	287	0.27	1.20	m i ki	BNS	90518025
2009/05/18	10:35:50.62	0.30	0.62	51.4830	6.5820	4.4	3.3	118	1.0f		12	7	089	0.43	1.10	m i ki	BGR	90518015
2009/05/18	10:35:48.70			51.4410	6.5720				1.0f							m i ki	BUG	90518005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.3	5 LDG	90518035
ML	2.1		BNS	90518025
ML	2.1	0.1	3 BGR	90518015
ML	2.1		BUG	90518005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.07	359.6	Pg	10:35:49.700	-0.4					T__				m__	ML 2.1
BRHE	0.07	359.6	Sg	10:35:50.500	-0.6					T__				m__	
LAUG	0.25	111.0	Pg	10:35:54.860	1.5					---				mdi	
LAUG	0.25	111.0	Sg	10:35:58.870	2.3					---		130.9	0.74	m_e	
BUG	0.43	89.8	Pg	10:35:57.961	1.1					---				m_e	ML 2.0

RUP	0.85	307.2	PmP	00:48:15.700	-1.4	T__	m__												
BFO	0.87	170.4	P*	00:48:15.210		T__	md__	ML	2.1										
BFO	0.87	170.4	S*	00:48:26.440		T__	m__												
TUBL	0.92	135.8	P*	00:48:16.380		T__	mc__	ML	1.9										
TUBL	0.92	135.8	PmP	00:48:16.790	-1.5	T__	mc__												
TUBL	0.92	135.8	S*	00:48:28.640		T__	m__												
TUBL	0.92	135.8	SmS	00:48:30.370	-1.4	T__	m__												
SIND	0.99	80.2	P*	00:48:16.750		T__	m__	ML	1.8										
SIND	0.99	80.2	PmP	00:48:17.920	-1.4	---	m__												
SIND	0.99	80.2	S*	00:48:30.770		T__	m__												
TNS	1.06	11.8	P	00:48:18.260		T__	md__	ML	2.0										
TNS	1.06	11.8	S	00:48:32.880		---	m__												
FSH	1.10	324.2	P	00:48:19.920		T__	mc__												
FSH	1.10	324.2	S	00:48:34.420		T__	m__												
BUCH	1.10	131.7	P	00:48:19.300		T__	m__	ML	2.1										
BUCH	1.10	131.7	Pg	00:48:19.650	0.3	T__	m__												
BUCH	1.10	131.7	Sg	00:48:34.750	1.2	T__	m__												
ECH	1.16	213.2	P	00:48:19.800		T__	m__	ML	2.2										
ECH	1.16	213.2	Pg	00:48:20.650	0.3	T__	m__												
ECH	1.16	213.2	Sg	00:48:35.600	0.3	---	m__												
KIZ	1.24	185.9	Pg	00:48:21.630	-0.3	T__	m__	ML	2.0										
KIZ	1.24	185.9	PmP	00:48:25.410	1.7	---	m_i												
KIZ	1.24	185.9	Sg	00:48:38.110	0.2	T__	m__												
KIZ	1.24	185.9	SmS	00:48:43.170	2.2	---	m_i												
GUT	1.30	148.9	Pg	00:48:23.150	0.1	T__	m__	ML	1.8										
GUT	1.30	148.9	Sg	00:48:40.500	0.6	T__	m__												
WLF	1.36	291.2	Sg	00:48:41.630	-0.1	---	m__	ML	1.6										
HDH	1.51	112.9	Sg	00:48:46.450	0.1	---	m__	ML	1.9										
SISB	1.61	159.0	Pg	00:48:29.710	0.9	---	m__	ML	1.6										
SISB	1.61	159.0	Sg	00:48:50.380	0.8	---	m__												
UBR	2.01	138.0	Pg	00:48:36.860	0.5	---	m__	ML	1.8										
UBR	2.01	138.0	Sg	00:49:02.980	0.7	---	m__												
GRA1	2.08	74.9	Sg	00:49:05.246	0.5	---	m_e	ML	1.9										

Event 90520010 S of Montbeliard/F, Doubs Valley, French-Swiss border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/20	13:19:11.66	0.32	0.21	47.2515	7.2881	3.0	1.8	007	10.4	1.0	23	2	048			m i uk	ZAMG	90520040
2009/05/20	13:19:08.90	0.06	0.82	47.3699	7.0576	1.3	1.2	139	5.0f		98	29	017			m i ke	LDG	90520030
2009/05/20	13:19:08.60			47.4000	7.1000				3.0							m i uk	SED	90520020
2009/05/20	13:19:08.07	1.03	0.41	47.3360	6.9960	10.0	4.4	036	10.0f		13	8	277	0.47	3.04	m i ke	BGR	90520010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.2	2 ZAMG	90520040
MD	3.3	0.0	4 LDG	90520030
ML	3.3	0.3	29 LDG	90520030
ML	2.8		SED	90520020
ML	2.9	0.4	4 BGR	90520010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.47	89.7	Pg	13:19:17.342	0.2					T__				m_e	

BALST	0.47	89.7	Sg	13:19:23.295	-0.1	T__	m_e												
SULZ	0.78	75.3	Pg	13:19:23.267	0.4	T__	m_e												
SULZ	0.78	75.3	Sg	13:19:33.447	0.4	T__	m_e												
ECH	0.89	7.0	Pg	13:19:25.170	0.3	T__	m_e												
ECH	0.89	7.0	Sg	13:19:36.559	0.2	T__	m_e												
SLE	1.10	66.4	Pg	13:19:28.268	-0.6	T__	m_e												
SLE	1.10	66.4	Sg	13:19:42.625	-0.4	T__	m_e												
WILA	1.30	85.8	Pg	13:19:33.108	0.5	T__	m_e												
WILA	1.30	85.8	Sg	13:19:49.607	0.2	T__	m_e												
BFO	1.34	41.5	Pn	13:19:31.119	-1.0	T__	m_e ML												2.4
BFO	1.34	41.5	Sg	13:19:50.061	-0.6	---	m_e												
OBER	2.23	87.0	Sg	13:20:19.081	-0.0	T__	m_e ML												2.9
FUR	2.99	72.4	Sg	13:20:43.418	0.2	T__	m_e ML												3.4
TNS	3.04	17.8	Sg	13:20:44.672	-0.0	---	m_e ML												3.0

Event 90521007 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/21	21:31:10.70	0.43	0.41	51.6550	7.6760				1.0f			8	302	0.55	1.50	m i ki	BNS	90521027
2009/05/21	21:31:11.70			51.5380	7.3250				1.0f							m i ki	BUG	90521017
2009/05/21	21:31:09.61	0.57	0.38	51.6150	7.8470	6.7	5.6	083	1.0f		7	4	170	0.40	1.44	m i ki	BGR	90521007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	90521027
ML	1.7		BUG	90521017
ML	2.1	0.2	4 BGR	90521007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.40	244.3	Pg	21:31:17.068	-0.1					T__				m_e ML	2.4
BUG	0.40	244.3	Sg	21:31:23.292	1.0					T__				m_e	
ZERL	0.61	270.9	Pg	21:31:21.000	-0.0					---				m__ ML	1.7
ZERL	0.61	270.9	Sg	21:31:29.400	0.5					---				m__	
LAUG	0.62	245.2	Pg	21:31:20.720	-0.6					---				m_e	
LAUG	0.62	245.2	Sg	21:31:28.820	-0.5					---		72.8	0.62	m_e	
IBBN	0.69	355.5	Pg	21:31:23.348	0.7					T__				m_e ML	1.9
HOBG	0.71	207.1	Pg	21:31:23.690	0.7					---				m_e	
HOBG	0.71	207.1	Sg	21:31:34.060	1.9					---				m_e	
BNS	0.77	213.1	Pg	21:31:25.350	1.1					---				m_e	
BNS	0.77	213.1	Sg	21:31:36.490	2.3					---		96.3	0.43	m_e	
AHRW	1.18	204.6	Pg	21:31:32.520	0.7					T__				m_e ML	2.2
AHRW	1.18	204.6	Sg	21:31:48.601	1.6					T__				m_e	
KOE	1.19	183.5	Pg	21:31:33.080	1.0					---				m_e	
KOE	1.19	183.5	Sg	21:31:50.290	2.8					---				m_e	
STB	1.20	212.2	Pg	21:31:32.920	0.7					---				m_e	
STB	1.20	212.2	Sg	21:31:49.460	1.7					---		33.5	0.46	m_e	
KLL	1.37	225.5	Pg	21:31:34.750	-0.6					---				m_e	
KLL	1.37	225.5	Sg	21:31:52.650	-0.4					---				m_e	
TNS	1.44	164.6	Pg	21:31:36.255	-0.5					T__				m_e ML	2.0
TNS	1.44	164.6	Sg	21:31:57.333	1.9					T__				m_e	
BGG	1.45	193.0	Pg	21:31:36.690	-0.2					---				m_e	
BGG	1.45	193.0	Sg	21:31:54.800	-0.7					---				m_e	

Event 90527006 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/27	14:00:32.30	0.40	0.92	51.5756	6.7319	7.1	4.3	003	1.0f		15	6	276			m i sr	LDG	90527036
2009/05/27	14:00:31.80	1.11	0.41	51.5480	6.5480				1.0	21.6		7	296	0.32	1.43	m i ki	BNS	90527026
2009/05/27	14:00:33.34	0.39	0.73	51.4970	6.6010	5.6	3.3	111	1.0f		14	7	165	0.42	2.36	m i ki	BGR	90527016
2009/05/27	14:00:31.90			51.4170	6.5520				1.0f							m i ki	BUG	90527006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.3	7 LDG	90527036
ML	1.8		BNS	90527026
ML	2.1	0.2	5 BGR	90527016
ML	1.7		BUG	90527006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.10	6.9	Pg	14:00:32.800	-1.0					T__				m_e	ML 1.7
BRHE	0.10	6.9	Sg	14:00:33.600	-1.5					T__				m_e	
LAUG	0.25	104.9	Pg	14:00:37.640	1.0					---				m_e	
BUG	0.45	86.7	Pg	14:00:41.088	0.7					---				m_e	ML 2.0
BUG	0.45	86.7	Sg	14:00:47.796	1.7					---				m_e	
WTSB	0.57	15.5	Pg	14:00:42.379	-0.3					---				m_e	
WTSB	0.57	15.5	Sg	14:00:49.133	-0.9					---				m_e	
HOBG	0.65	131.2	Pg	14:00:46.230	2.0					---				m_e	
HGN	0.76	211.1	Pg	14:00:48.651	2.4					---				m_e	
HGN	0.76	211.1	Sg	14:01:00.843	4.8					---				m_e	
DREG	0.78	195.0	Pg	14:00:48.720	2.1					---				m_e	
KLL	0.79	191.2	Pg	14:00:49.470	2.8					---				m_e	
STB	0.84	167.5	Pg	14:00:50.840	3.1					---				m_e	
STB	0.84	167.5	Sg	14:01:03.910	5.2					---		30.7	0.97	m_e	
AHRW	0.94	159.2	Pg	14:00:52.518	3.0					---				m_e	ML 1.9
AHRW	0.94	159.2	Sg	14:01:06.359	4.7					---				m_e	
IBBN	1.16	39.5	Sg	14:01:08.643	-0.1					---				m_e	ML 2.3
KOE	1.24	142.7	Pg	14:00:56.810	1.5					---				m_e	
BGG	1.31	157.4	Pg	14:00:57.810	1.2					---				m_e	
TNS	1.69	134.2	Pn	14:01:03.140	1.4					---				m_e	ML 2.1
TNS	1.69	134.2	Pg	14:01:05.365	1.6					---				m_e	
TNS	1.69	134.2	Sg	14:01:27.771	2.1					---				m_e	
CLZ	2.41	78.4	Pg	14:01:16.607	-0.7					---				m_e	ML 2.4
CLZ	2.41	78.4	Sg	14:01:48.472	0.0					---				m_e	

Event 90528004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/05/28	21:20:26.10	0.32	0.11	51.8760	16.0270				10.0f				8	349	5.40	6.24	m i ke	BNS	90528014
2009/05/28	21:20:24.66	0.27	0.69	51.5180	16.1580	3.3	2.2	025	1.0f		58	42	171	0.68	5.79	m i ki	BGR	90528004	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
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ML 4.1 BNS 90528014
 ML 4.3 0.5 30 BGR 90528004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	172.8	Pg	21:20:36.997	-0.5					T__	131.0			m_e	ML 3.6
KSP	0.68	172.8	Sg	21:20:46.370	0.1					T__				m_e	
BRG	1.53	246.0	Pn	21:20:51.096	-1.3					T__	9.1			m_e	ML 3.7
BRG	1.53	246.0	Sg	21:21:13.316	0.0					T__				m_e	
RUE	1.75	304.1	Pn	21:20:54.368	-1.0					T__	6.8			m_e	ML 4.2
RUE	1.75	304.1	Sg	21:21:21.343	1.1					T__				m_e	
PRU	1.84	214.4	Pn	21:20:55.691	-0.9					T__	22.4			m_e	ML 3.7
FBE	1.85	252.3	Pn	21:20:55.839	-0.9					T__	7.9			m_e	ML 3.4
FBE	1.85	252.3	Sg	21:21:23.465	-0.1					T__				m_e	
MORC	1.95	152.7	Pn	21:20:57.320	-0.7					T__	290.6			m_e	ML 3.7
MORC	1.95	152.7	Sg	21:21:26.818	0.2					T__				m_e	
CLL	1.98	265.1	Pn	21:20:57.318	-1.1					T__	55.9			m_e	ML 4.0
CLL	1.98	265.1	Sg	21:21:27.381	-0.2					T__				m_e	
OKC	2.10	142.4	Pn	21:20:59.058	-1.0					T__	12.9			m_e	ML 4.2
SCHF	2.50	251.8	Pn	21:21:05.117	-0.4					T__	9.4			m_e	ML 4.5
SCHF	2.50	251.8	Pg	21:21:12.312	0.5					T__	14.8			m_e	
SCHF	2.50	251.8	Sg	21:21:44.067	-0.1					T__				m_e	
HKWD	2.53	255.8	Pn	21:21:05.927	-0.0					T__	10.6			m_e	
OJC	2.64	118.1	Pn	21:21:05.711	-1.7					T__	13.0			m_e	ML 4.2
WERD	2.65	247.7	Pn	21:21:07.526	-0.0					T__	19.7			m_e	ML 4.1
NKC	2.67	242.7	Pn	21:21:07.897	0.1					T__	43.1			m_e	ML 4.5
GUNZ	2.67	245.9	Pn	21:21:07.908	0.1					T__	10.1			m_e	ML 4.5
WERN	2.68	244.2	Pn	21:21:08.059	0.1					T__	38.5			m_e	ML 4.5
PLN	2.72	249.3	Pn	21:21:08.360	-0.1					T__	30.4			m_e	
PLN	2.72	249.3	Pg	21:21:15.475	-0.5					T__	2.5			m_e	
ROHR	2.74	243.6	Pn	21:21:08.754	-0.0					T__	19.3			m_e	
ROHR	2.74	243.6	Pg	21:21:16.483	0.1					T__	5.2			m_e	
NEUB	2.75	265.3	Pn	21:21:09.299	0.4					T__	4.4			m_e	ML 4.8
NEUB	2.75	265.3	Pg	21:21:16.419	-0.1					T__	20.6			m_e	
TRIB	2.79	246.9	Pn	21:21:09.403	-0.0					T__	27.6			m_e	
TAUT	2.83	260.8	Pn	21:21:10.017	-0.0					T__	5.6			m_e	
TAUT	2.83	260.8	Pg	21:21:18.562	0.5					T__	12.2			m_e	
WIMM	2.89	271.9	Pn	21:21:10.678	-0.2					T__	16.7			m_e	
WIMM	2.89	271.9	Pg	21:21:17.815	-1.4					T__	5.6			m_e	
MOX	2.98	254.8	Pn	21:21:11.721	-0.3					T__	16.2			m_e	ML 4.5
MOX	2.98	254.8	Pg	21:21:19.982	-0.9					T__	9.6			m_e	
MOX	2.98	254.8	Sg	21:22:00.818	1.4					T__				m_e	
MANZ	2.98	240.7	Pn	21:21:12.151	0.1					T__	46.1			m_e	ML 4.5
ROTZ	3.06	236.6	Pn	21:21:13.131	0.1					T__	59.1			m_e	ML 4.2
GEC2	3.10	211.4	Pn	21:21:13.400	-0.3					T__	67.4			m_e	ML 4.3
WET	3.16	222.7	Pn	21:21:14.478	-0.0					T__	22.9			m_e	ML 4.3
LEIB	3.26	255.2	Pn	21:21:15.846	0.1					T__	11.6			m_e	ML 3.1
GRA1	3.62	241.7	Pn	21:21:21.207	0.4					T__	19.5			m_e	ML 4.8
GRA1	3.62	241.7	Sg	21:22:19.798	-0.0					T__				m_e	
NRDL	3.85	287.1	Pn	21:21:24.698	0.9					T__	12.2			m_e	ML 4.2
UBBA	3.92	262.1	Pn	21:21:25.174	0.4					T__	3.7			m_e	ML 4.4
BSEG	4.28	306.6	Pn	21:21:28.714	-1.0					T__	11.4			m_e	ML 4.6
RJOB	4.36	211.2	Pn	21:21:31.598	0.8					T__	23.1			m_e	ML 4.7
FUR	4.60	225.1	Pn	21:21:34.459	0.5					T__	14.4			m_e	ML 5.0
TNS	5.03	258.1	Pn	21:21:40.205	0.3					T__	36.5			m_e	ML 4.8

IBBN	5.24	281.9	Pn	21:21:43.480	0.8	T__	5.7											m_e	
STU	5.24	241.1	Pn	21:21:42.871	0.2	T__	2.6											m_e ML	5.1
KOE	5.41	261.7	Pn	21:21:45.700	0.7	---												m_e	
HOBG	5.55	267.9	Pn	21:21:47.100	0.3	---												m_e	
BNS	5.65	267.9	Pn	21:21:48.300	0.1	---												m_e	
HLG	5.66	301.3	Pn	21:21:48.856	0.5	T__	3.6											m_e	
LAUG	5.74	271.9	Pn	21:21:49.300	-0.2	---												m_e	
AHRW	5.79	263.8	Pn	21:21:51.113	1.0	T__	11.2											m_e ML	4.6
STB	5.93	264.7	Pn	21:21:52.700	0.8	---												m_e	
STB	5.93	264.7	Sn	21:22:58.000	2.7	---						65.1	0.78					m_e	
HILG	6.10	262.1	Pn	21:21:55.200	0.9	---												m_e	
KLL	6.24	265.8	Pn	21:21:56.600	0.4	---												m_e	
DREG	6.29	266.1	Pn	21:21:57.100	0.2	---												m_e	

Event 90530004 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/05/30	10:39:43.30	1.00	0.51	51.5370	6.5830				1.0f				7 295	0.29	1.41	m i ki	BNS	90530024
2009/05/30	10:39:43.54	0.34	0.63	51.4850	6.5750	5.6	2.2	122	1.0f		16	9 166	0.43	3.35	m i ki	BGR	90530014	
2009/05/30	10:39:42.80			51.4170	6.5520				1.0f							m i ki	BUG	90530004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	90530024
ML	2.2 0.1	5	BGR	90530014
ML	1.6		BUG	90530004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.10	6.9	Pg	10:39:43.800	-0.9					T__				m__ ML	1.6
BRHE	0.10	6.9	Sg	10:39:44.700	-1.3					T__				m__	
LAUG	0.25	104.9	Pg	10:39:48.800	1.2					---				m_e	
BUG	0.45	86.7	Pg	10:39:51.953	0.7					---	5.3			m_e ML	2.1
BUG	0.45	86.7	Sg	10:39:58.800	1.8					---				m_e	
WTSB	0.57	15.5	Pg	10:39:53.442	-0.1					---	5.4			m_e	
WTSB	0.57	15.5	Sg	10:40:00.188	-0.7					---				m_e	
HOBG	0.65	131.2	Pg	10:39:57.070	1.9					---				m_e	
HGN	0.76	211.1	Pg	10:40:00.699	3.6					---	18.4			m_e	
HGN	0.76	211.1	Sg	10:40:11.097	4.1					---				m_e	
DREG	0.78	195.0	Pg	10:39:59.880	2.4					---				m_e	
KLL	0.79	191.2	Pg	10:40:00.920	3.3					---				m_e	
STB	0.84	167.5	Pg	10:40:01.760	3.1					---				m_e	
STB	0.84	167.5	Sg	10:40:14.910	5.3					---		25.9	0.37	m_e	
MEM	0.88	203.2	Pg	10:40:01.681	2.3					---	7.3			m_e	
IBBN	1.16	39.5	Pg	10:40:04.862	0.2					---	2.4			m_e ML	2.3
IBBN	1.16	39.5	Sg	10:40:19.727	0.1					---				m_e	
KOE	1.24	142.7	Pg	10:40:07.860	1.7					---				m_e	
BGG	1.31	157.4	Pg	10:40:09.270	1.8					---				m_e	
TNS	1.69	134.2	Pn	10:40:14.307	1.6					---	1.1			m_e ML	2.0
TNS	1.69	134.2	Pg	10:40:16.501	1.8					---	7.2			m_e	
WLF	1.77	188.4	Pg	10:40:17.994	1.8					---	3.3			m_e ML	2.1
WLF	1.77	188.4	Sg	10:40:41.741	2.7					---				m_e	
CLZ	2.41	78.4	Pg	10:40:27.788	-0.4					---	3.0			m_e ML	2.3

CLZ 2.41 78.4 Sg 10:40:59.567 0.2
BFO 3.29 159.0 Pn 10:40:36.807 2.4

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2.2

m_e
m_e

DATA_TYPE ARRIVAL: REVIEWED IMS1.0

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Author	ArrID
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