

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 941141 Ahrweiler, S of Bonn

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/01	04:49:29.60	0.11	0.24	50.5844	7.2411	1.9	1.1	042	10.0	0.0	25	11	270			m i ke	LDG	941151
2007/12/01	04:49:29.40	0.87	0.31	50.5920	7.2590				10.1	0.7		9	112	0.27	0.78	m i ke	BNS	941141

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.3	0.1	2 LDG	941151
ML	2.3	0.3	11 LDG	941151
ML	1.5		BNS	941141

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
STB	0.27	270.5	Pg	04:49:34.900	0.2					T__					mci
STB	0.27	270.5	Sg	04:49:38.290	-0.0					T__		62.1	0.42	m_e	
KOE	0.34	118.8	Pg	04:49:36.420	0.3					T__				mci	
KOE	0.34	118.8	Sg	04:49:40.800	0.1					T__		60.7	0.20	m_e	
BNS	0.38	352.0	Pg	04:49:36.640	-0.0					T__				mde	
BNS	0.38	352.0	Sg	04:49:41.700	0.0					T__		87.2	0.41	m_e	
BGG	0.39	172.6	Pg	04:49:36.960	0.0					T__				mde	
BGG	0.39	172.6	Sg	04:49:42.050	-0.0					T__		49.5	0.08	m_i	
HOBG	0.39	6.9	Pg	04:49:36.970	-0.1					T__				mde	
HOBG	0.39	6.9	Sg	04:49:41.820	-0.4					T__		69.2	0.62	m_e	
HILG	0.48	231.1	Pg	04:49:38.540	0.0					T__				mde	
HILG	0.48	231.1	Sg	04:49:44.650	-0.1					T__		29.4	0.19	m_e	
KLL	0.60	275.6	Pg	04:49:40.470	-0.4					T__				m_e	
DREG	0.65	276.6	Pg	04:49:41.500	-0.4					T__				mce	
LAUG	0.78	345.5	Pg	04:49:43.990	-0.3					T__				m_e	
LAUG	0.78	345.5	Sg	04:49:54.140	-0.3					T__		10.0	0.51	m_e	

Event 71201310 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/01	16:34:12.08	0.52		51.5520	16.1220	6.7	3.3	012	1.0f		21	14	214	0.72	3.62	m i ki	BGR	71201310

Magnitude	Err	Nsta	Author	OrigID
ML	3.0		BGR	71201310

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.72	171.3	Pg	16:34:25.360	-0.2					T__				m_e	ML 2.2
KSP	0.72	171.3	Sg	16:34:34.479	-0.4					T__				m_e	
DPC	1.21	173.9	Pg	16:34:34.198	-0.7					T__				m_e	ML 2.5
DPC	1.21	173.9	Sg	16:34:51.241	0.8					---				m_e	
BRG	1.52	244.4	Pn	16:34:39.725	0.0					T__				m_e	ML 2.9
BRG	1.52	244.4	Sg	16:35:00.850	0.3					T__				m_e	
FBE	1.84	251.1	Sg	16:35:10.037	-0.6					T__				m_e	ML 2.8
CLL	1.96	264.1	Pn	16:34:45.376	-0.2					T__				m_e	ML 2.9
CLL	1.96	264.1	Pg	16:34:48.000	-1.0					---				m_e	
CLL	1.96	264.1	Sg	16:35:15.499	1.2					T__				m_e	
OKC	2.14	142.4	Pn	16:34:48.022	-0.0					T__				m_e	ML 3.3

TANN	2.57	245.2	Pn	16:34:54.459	0.6	T__	m_e	ML	3.2
TANN	2.57	245.2	Sg	16:35:33.681	-0.0	T__	m_e		
OJC	2.67	118.4	Sg	16:35:38.748	1.7	T__	m_e	ML	3.1
MGBB	2.93	238.9	Pn	16:34:59.600	0.8	___	mdi	ML	2.8
MOX	2.97	254.0	Pn	16:35:00.799	1.5	T__	m_e	ML	3.3
MOX	2.97	254.0	Sg	16:35:48.013	1.5	T__	m_e		
MANZ	2.98	239.9	Pn	16:35:00.424	1.0	T__	m_e	ML	3.3
MANZ	2.98	239.9	Sg	16:35:49.096	2.3	T__	m_e		
ROTZ	3.06	235.8	Pn	16:35:01.490	1.0	T__	m_e	ML	3.1
ROTZ	3.06	235.8	Sg	16:35:48.014	-1.2	T__	m_e		
GEC2	3.12	210.7	Pn	16:35:01.998	0.7	T__	m_e	ML	3.2
WET	3.17	221.9	Pn	16:35:02.608	0.5	T__	m_e	ML	3.1
GRA1	3.62	241.0	Sg	16:36:07.475	0.3	T__	m_e	ML	3.7
HROE	3.88	257.2	Pn	16:35:12.600	0.9	___	mdi	ML	3.0

Event 71205002 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/05	13:51:03.80	1.76	0.70	49.3600	6.8840				1.0f			9	315	0.90	1.65	m i ki	BNS	71205032
2007/12/05	13:51:03.60	0.06	0.55	49.3939	6.8515	1.1	1.0	174	1.0f		85	32	084			m i sr	LDG	71205022
2007/12/05	13:51:02.99	0.41	0.81	49.4160	6.8010	5.6	3.3	115	1.0f		21	18	164	0.33	4.80	m i ki	BGR	71205012
2007/12/05	13:51:04.00	0.20	0.21	49.3700	6.8400	2.0	1.0	103	1.0f		26	17	177	0.36	2.75	m i ki	LED	71205002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7		BNS	71205032
MD	3.6	0.1	3 LDG	71205022
ML	3.8	0.3	32 LDG	71205022
ML	3.2	0.2	7 BGR	71205012
ML	3.0	0.0	8 LED	71205002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RUP	0.36	23.1	P*	13:51:11.090						T__				mci	
ABH	0.69	41.6	P*	13:51:16.850						T__				m__	
LANF	0.74	121.3	P*	13:51:17.970						T__				m__	
KTD	0.81	93.0	P*	13:51:19.830						T__				m__	
BGG	0.90	20.8	Pg	13:51:20.540	-0.3					___				m_e	
HILG	0.93	353.6	Pg	13:51:21.850	0.4					___				m_e	
ECH	1.17	169.6	P	13:51:25.660						T__				m__	
KOE	1.20	28.2	Pg	13:51:25.790	-0.9					___				m_e	
SWS	1.22	83.9	P	13:51:26.260						T__				m__	ML 2.9
SWS	1.22	83.9	Sg	13:51:43.010	0.4					T__				m__	
STB	1.22	0.0	Pg	13:51:26.750	-0.3					___				m_e	
STB	1.22	0.0	Sg	13:51:43.270	0.4					___		104.3	1.01	m_e	
THEF	1.27	206.3	P	13:51:27.520						T__				md_	
TOD	1.30	78.8	P	13:51:27.230						T__				m__	
TOD	1.30	78.8	Pg	13:51:28.340	-0.1					T__				m__	
TOD	1.30	78.8	Sg	13:51:46.620	1.4					T__				m__	
LIBD	1.32	157.3	P*	13:51:29.630						T__				m__	
KLL	1.32	345.3	Pg	13:51:26.900	-2.0					___				m_e	
DREG	1.35	343.4	Pg	13:51:28.310	-1.1					___				m_e	
BFO	1.43	136.1	Pn	13:51:29.372	-1.0					___	6.4			m_e	ML 2.8

BFO	1.43	136.1	Sg	13:51:49.698	0.3	---	3.8	m_e												
LBG	1.46	118.1	Pg	13:51:31.660	0.1	T_		m_	ML	2.9										
MOF	1.53	172.6	Pg	13:51:33.000	0.2	T_		m_												
MOF	1.53	172.6	Sg	13:51:53.450	0.8	T_		m_												
KIZ	1.58	152.9	Pg	13:51:33.490	-0.3	T_		m_	ML	3.0										
KIZ	1.58	152.9	Sg	13:51:55.020	0.7	T_		m_												
HOBG	1.64	10.9	Pg	13:51:34.530	-0.5	---		m_e												
FELD	1.68	152.3	Pg	13:51:35.650	-0.0	T_		m_												
FELD	1.68	152.3	Sg	13:51:57.470	0.1	T_		m_												
SIND	1.80	89.6	P	13:51:34.290		T_		m_	ML	2.9										
SPAK	1.80	133.9	Pg	13:51:38.230	0.2	T_		m_												
BUCH	1.89	118.2	Pg	13:51:39.660	0.0	T_		m_	ML	3.0										
BUCH	1.89	118.2	Sg	13:52:05.820	1.8	---		m_												
BBS	1.96	166.6	Pg	13:51:40.100	-0.8	---		m_												
GUT	1.99	130.0	P	13:51:37.970		---		m_	ML	3.1										
GUT	1.99	130.0	Pg	13:51:41.470	0.1	T_		m_												
GUT	1.99	130.0	Sg	13:52:07.260	0.2	T_		m_												
LOMF	2.02	180.2	Pg	13:51:41.850	-0.2	T_		m_												
LOMF	2.02	180.2	Sg	13:52:08.870	0.7	T_		m_												
BUG	2.09	7.4	Sg	13:52:07.503	-2.8	---	3.1	m_e	ML	3.1										
HDH	2.35	108.3	Sg	13:52:19.900	1.4	---		m_	ML	3.0										
UBR	2.75	126.7	P*	13:51:48.750		---		m_	ML	3.0										
MOX	3.32	65.6	Pg	13:52:04.916	-1.7	---	2.4	m_e	ML	3.2										
MOX	3.32	65.6	Sg	13:52:49.900	0.3	---		m_e												
CLZ	3.34	40.9	Sg	13:52:47.615	-2.4	---	3.9	m_e	ML	3.4										
GUNZ	3.68	72.2	Sg	13:53:00.483	-0.3	---	3.1	m_e	ML	3.3										
WERD	3.68	70.9	Pg	13:52:12.406	-1.0	---	3.0	m_e	ML	3.2										
WERD	3.68	70.9	Sg	13:53:01.044	0.1	---	3.9	m_e												
TANN	3.77	71.8	Pg	13:52:13.731	-1.3	---	3.1	m_e	ML	3.4										
TANN	3.77	71.8	Sg	13:53:02.625	-1.1	---	3.9	m_e												
CLL	4.38	61.4	Pg	13:52:30.000	3.4	---		m_e	ML	3.5										
CLL	4.38	61.4	Sg	13:53:22.000	-1.2	---		m_i												
GEC2	4.52	94.1	Pn	13:52:13.429	1.2	---	22.4	m_e												
BRG	4.79	69.0	Sg	13:53:37.203	0.9	---	2.5	m_e												

Event 71209301 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/09	01:21:27.32	0.59		51.5870	16.0780	6.7	3.3	020	1.0f		19	13	239	0.76	3.61	m i ki	BGR	71209301

Magnitude	Err	Nsta	Author	OrigID
ML	3.4		BGR	71209301

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.76	169.6	Pg	01:21:41.569	0.0					T_				m_e	ML 2.9
KSP	0.76	169.6	Sg	01:21:51.098	-0.2					T_				m_e	
DPC	1.25	172.8	Pg	01:21:50.244	-0.6					T_				m_e	ML 3.1
DPC	1.25	172.8	Sg	01:22:06.599	-0.3					T_				m_e	
BRG	1.52	242.7	Pn	01:21:55.509	0.7					T_				m_e	ML 3.2
BRG	1.52	242.7	Sg	01:22:15.594	0.1					T_				m_e	
FBE	1.83	249.7	Pn	01:22:00.653	1.6					T_				m_e	ML 3.1
FBE	1.83	249.7	Sg	01:22:25.024	-0.4					T_				m_e	

CLL	1.94	262.9	Pn	01:22:00.390	-0.1	T__	m_e	ML	3.1
CLL	1.94	262.9	Pg	01:22:03.000	-0.8	---	m_e		
CLL	1.94	262.9	Sg	01:22:29.000	0.2	---	m_e		
OKC	2.19	142.4	Pn	01:22:04.345	0.4	T__	m_e	ML	3.7
TANN	2.56	244.2	Pn	01:22:09.736	0.8	T__	m_e	ML	3.6
TANN	2.56	244.2	Sg	01:22:48.134	-0.5	T__	m_e		
WERD	2.63	245.8	Pn	01:22:10.606	0.7	T__	m_e	ML	3.3
MGBB	2.93	238.0	Pn	01:22:14.900	0.9	---	mci	ML	3.2
MOX	2.95	253.2	Pg	01:22:23.100	0.1	---	m_e	ML	3.6
MOX	2.95	253.2	Sg	01:23:02.305	1.1	T__	m_e		
ROTZ	3.05	234.9	Pn	01:22:16.651	1.0	T__	m_e	ML	3.3
GEC2	3.13	209.9	Pn	01:22:18.322	1.5	T__	m_e	ML	3.7
WET	3.18	221.1	Pn	01:22:18.297	0.9	T__	m_e	ML	3.4
GRA1	3.61	240.3	Pn	01:22:24.551	1.3	T__	m_e	ML	3.9
GRA1	3.61	240.3	Sg	01:23:23.085	0.9	T__	m_e		
HROE	3.87	256.6	Pn	01:22:27.700	1.0	---	mci	ML	3.4

Event 71209001 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/09	04:21:59.30			48.3600	6.6700				10.0f							m i uk	NEIC	71209021
2007/12/09	04:22:00.17	0.26	0.82	48.3490	6.6680	3.3	2.2	147	10.0f		31	19	091	0.35	4.68	m i ke	BGR	71209011
2007/12/09	04:22:00.20	0.04	0.44	48.3393	6.6426	0.8	0.6	160	10.0	0.0	76	29	054			m i ke	LDG	71209001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5		NEIC	71209021
ML	2.7	0.4	7 BGR	71209011
MD	3.0	0.0	3 LDG	71209001
ML	2.8	0.3	26 LDG	71209001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.36	109.6	Pg	04:22:07.154	-0.1					---	36.7			m_e	
ECH	0.36	109.6	Sg	04:22:11.865	-0.3					---	3.4			m_e	
THEF	0.45	255.8	Pg	04:22:08.895	0.1					---	28.6			m_e	
THEF	0.45	255.8	Sg	04:22:14.773	0.1					---	2.7			m_e	
MOF	0.59	145.9	Pg	04:22:11.238	-0.2					---	6.3			m_e	
LOMF	1.00	172.8	Pg	04:22:19.275	0.2					---	12.0			m_e	
LOMF	1.00	172.8	Sg	04:22:32.014	0.0					---	1.6			m_e	
LANF	1.00	49.7	Pg	04:22:18.606	-0.5					---	7.9			m_e	
LANF	1.00	49.7	Sg	04:22:31.216	-0.9					---	2.5			m_e	
FELD	1.02	116.5	Pg	04:22:19.374	-0.1					---	9.4			m_e	
FELD	1.02	116.5	Sg	04:22:32.107	-0.6					---	2.7			m_e	
BBS	1.05	146.1	Pg	04:22:20.158	0.1					---	4.2			m_e	
BFO	1.12	89.8	Pg	04:22:21.211	-0.2					---	7.8			m_e	ML
BFO	1.12	89.8	Sg	04:22:33.987	-2.0					---	9.2			m_e	
WLF	1.36	346.5	Pg	04:22:26.176	0.2					---	4.0			m_e	ML
WLF	1.36	346.5	Sg	04:22:43.745	0.1					---	4.2			m_e	
KTD	1.36	43.5	Pg	04:22:25.937	-0.0					---	3.2			m_e	
SPAK	1.45	98.6	Pg	04:22:27.726	0.2					---	8.9			m_e	
ABH	1.65	20.7	Pg	04:22:30.811	-0.6					---	3.9			m_e	
STU	1.74	74.7	Pn	04:22:29.979	0.3					---	0.8			m_e	ML

STU	1.74	74.7	Sg	04:22:55.011	-0.6	---	4.4													m_e	
TOD	1.90	47.4	Pn	04:22:29.895	-2.0	---	1.4													m_e	
TOD	1.90	47.4	Pg	04:22:36.020	-0.1	---	1.8													m_e	
TOD	1.90	47.4	Sg	04:22:59.797	-0.9	---	4.6													m_e	
FUR	3.09	91.5	Sg	04:23:38.541	0.2	---	3.3													m_e ML	3.0
GRA1	3.29	64.0	Sg	04:23:44.391	-0.5	---														m_e ML	3.1
MOX	3.97	52.6	Sg	04:24:06.405	0.1	---	3.0													m_e ML	3.0
WET	4.19	76.6	Sn	04:23:49.594	1.3	---	3.8													m_e ML	3.0
WET	4.19	76.6	Sg	04:24:11.363	-1.9	---	3.1													m_e	
TANN	4.32	59.1	Sg	04:24:16.690	-0.7	---	2.5													m_e	
GEC2	4.69	81.2	Sn	04:24:03.249	3.1	---	4.0													m_e	
GEC2	4.69	81.2	Sg	04:24:28.747	-0.6	---	1.9													m_e	
CLL	5.06	51.7	Sg	04:24:41.000	-0.0	---														m_e	

Event 71209002 Tauern Mountains/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/09	07:35:43.07	2.56	0.94	47.2460	14.3640	25.6	22.2	032	0.0f		9	8	337	1.66	4.16	m i se	BGR	71209002

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	3 BGR	71209002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	1.66	344.8	Pg	07:36:14.410	0.1					T_	4.5			m_e ML	2.3
GEC2	1.66	344.8	Sg	07:36:36.648	0.9					T_	11.3			m_e	
WET	2.14	333.0	Sg	07:36:51.352	0.3					T_	4.2			m_e ML	2.1
GUNZ	3.39	337.5	Sg	07:37:31.657	0.8					T_	2.0			m_e ML	2.7
TANN	3.41	339.1	Sg	07:37:31.799	0.5					T_	3.0			m_e	
WERD	3.48	337.8	Sg	07:37:34.488	1.0					T_	2.3			m_e	
BRG	3.64	355.8	Sg	07:37:38.624	-0.0					T_	1.6			m_e	
MOX	3.85	333.1	Sg	07:37:43.509	-1.8					T_	1.7			m_e	
CLL	4.16	348.2	Sg	07:37:53.841	-1.3					T_	1.6			m_e	

Event 71210002 E Salzkammergut/A, Totes Gebirge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/10	06:26:19.06	1.94	0.47	47.5740	13.4840	25.6	17.8	070	10.0f		5	3	340	1.28	2.92	m i se	BGR	71210012
2007/12/10	06:26:18.89	0.11	0.22	47.6456	13.7476	1.3	0.7	149	1.0	0.0	14	5	127			m i sr	ZAMG	71210002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	2 BGR	71210012
ML	2.0	0.6	5 ZAMG	71210002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	1.20	358.6	Pg	06:26:43.111	1.6					---	5.6			m_e ML	1.9
GEC2	1.20	358.6	Sg	06:26:59.894	2.9					---				m_e	
WET	1.61	339.3	Pg	06:26:49.738	0.6					---	1.4			m_e ML	2.0
WET	1.61	339.3	Sg	06:27:11.263	1.4					---				m_e	
TANN	2.89	343.5	Sg	06:27:51.043	0.2					---				m_e	

Event 71211001 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/11	20:29:15.00			49.3730	6.8040				10.0							m i uk	NEIC	71211041
2007/12/11	20:29:14.70	1.19	0.51	49.3970	6.9330				1.0f			9	314	0.85	1.61	m i ki	BNS	71211031
2007/12/11	20:29:14.20	0.06	0.59	49.3812	6.8218	1.2	0.9	178	1.0f	113	34	064				m i sr	LDG	71211021
2007/12/11	20:29:13.88	0.25	0.74	49.3710	6.8520	3.3	2.2	127	1.0f	28	23	096	0.36	4.51		m i ki	BGR	71211011
2007/12/11	20:29:14.40	0.20	0.24	49.3800	6.8500	3.0	2.0	115	1.0f	36	21	196	0.68	2.75		m i ki	LED	71211001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.7		NEIC	71211041
ML	2.7		BNS	71211031
MD	3.6	0.1	4 LDG	71211021
ML	3.7	0.3	35 LDG	71211021
ML	3.2	0.3	17 BGR	71211011
ML	3.0	0.0	11 LED	71211001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RUP	0.35	22.8	Pg	20:29:21.154	0.2					___	2.1			m_e	
WLF	0.53	302.4	Pg	20:29:24.581	0.1					___	55.7			m_e ML	3.0
WLF	0.53	302.4	Sg	20:29:30.629	-0.8					___	6.2			m_e	
ABH	0.68	41.7	P*	20:29:27.100						T_				m_	
LANF	0.74	122.2	P*	20:29:28.190						T_				m_	
KTD	0.81	93.8	P*	20:29:30.180						T_				m_	
BGG	0.88	20.6	Pg	20:29:30.510	-0.6					___				m_e	
HILG	0.92	353.2	Pg	20:29:31.920	0.2					___				m_e	
ECH	1.18	170.0	P	20:29:35.950						T_				m_	
KOE	1.19	28.2	Pg	20:29:36.150	-0.7					___				m_e	
SWS	1.21	84.3	P	20:29:36.510						T_				m_ ML	3.0
SWS	1.21	84.3	Pg	20:29:37.470	0.3					___				m_	
SWS	1.21	84.3	Sg	20:29:53.280	0.5					T_				m_	
STB	1.21	359.7	Pg	20:29:36.740	-0.5					___				m_e	
STB	1.21	359.7	Sg	20:29:53.480	0.5					___		117.9	0.75	m_e	
THEF	1.28	206.4	P	20:29:37.810						T_				m_	
TOD	1.29	79.2	P	20:29:37.570						T_				m_	
TOD	1.29	79.2	Sg	20:29:56.870	1.5					T_				m_	
KLL	1.31	344.9	Pg	20:29:38.060	-1.1					___				m_e	
LIBD	1.33	157.7	P*	20:29:39.860						T_				m_	
TNS	1.33	50.1	P	20:29:38.220						___				m_	
TNS	1.33	50.1	Sg	20:29:58.370	1.7					___				m_	
DREG	1.34	343.1	Pg	20:29:38.880	-0.8					___				m_e	
BFO	1.43	136.6	P	20:29:39.560						T_				md_ ML	3.1
BFO	1.43	136.6	S	20:29:58.380						T_				m_	
BFO	1.43	136.6	Sg	20:30:00.480	0.6					___				m_	
LBG	1.46	118.6	P	20:29:40.210						T_				m_ ML	3.0
LBG	1.46	118.6	Pg	20:29:41.920	-0.0					T_				m_	
LBG	1.46	118.6	S	20:29:58.770						T_				m_	
LBG	1.46	118.6	Sg	20:30:01.360	0.5					T_				m_	
FBB	1.53	154.0	S*	20:30:03.940						___				m_	
MOF	1.54	172.9	Pg	20:29:43.260	-0.2					T_				m_	

MOF	1.54	172.9	Sg	20:30:03.230	-0.1	T__	m__		
KIZ	1.59	153.2	P	20:29:41.580		T__	m__ ML	3.1	
KIZ	1.59	153.2	Pg	20:29:43.680	-0.7	T__	m__		
KIZ	1.59	153.2	S	20:30:00.980		T__	m__		
KIZ	1.59	153.2	Sg	20:30:05.020	0.1	T__	m__		
BNS	1.60	7.4	Pg	20:29:43.140	-1.4	_____	m_e		
HOBG	1.63	10.7	Pg	20:29:43.940	-1.2	_____	m_e		
STU	1.65	110.8	Pn	20:29:43.299	-0.4	_____	m_e ML	3.0	
STU	1.65	110.8	Sg	20:30:05.070	-1.8	_____	m_e		
FELD	1.69	152.7	P	20:29:42.920		T__	m__		
FELD	1.69	152.7	Pg	20:29:46.180	0.0	T__	m__		
FELD	1.69	152.7	Sg	20:30:07.730	-0.2	T__	m__		
TUBL	1.70	119.5	Pg	20:29:46.280	-0.1	T__	m__ ML	3.0	
TUBL	1.70	119.5	Sg	20:30:08.550	0.2	_____	m__		
SIND	1.79	90.0	P	20:29:44.610		T__	m__ ML	3.0	
SPAK	1.81	134.3	Pg	20:29:48.310	-0.1	T__	m__		
BUCH	1.89	118.5	P	20:29:46.830		T__	m__ ML	3.0	
BBS	1.96	166.9	Pg	20:29:50.900	-0.5	T__	m__		
GUT	1.99	130.4	P	20:29:47.740		T__	m__ ML	3.1	
GUT	1.99	130.4	Pg	20:29:51.740	-0.1	T__	m__		
GUT	1.99	130.4	Sg	20:30:17.470	-0.0	T__	m__		
LOMF	2.03	180.4	Pn	20:29:48.217	-0.6	_____	m_e		
LOMF	2.03	180.4	Pg	20:29:51.940	-0.7	T__	m__		
LOMF	2.03	180.4	Sg	20:30:18.680	-0.2	T__	m__		
BUG	2.08	7.2	Sg	20:30:19.533	-0.9	_____	m_e ML	3.1	
SISB	2.20	139.6	P*	20:29:55.600		_____	m__ ML	3.0	
SISB	2.20	139.6	S*	20:30:26.240		_____	m__		
HDH	2.34	108.6	Sg	20:30:29.460	0.7	_____	m__ ML	3.0	
HROE	2.42	60.2	Pn	20:29:53.600	-0.6	_____	mci ML	2.7	
UBBA	2.48	53.4	Sg	20:30:33.170	-0.0	_____	m_e ML	2.9	
UBR	2.75	127.0	S*	20:30:43.890		_____	m__ ML	3.0	
GRA1	2.85	82.1	Sg	20:30:46.693	1.6	_____	m_e ML	3.4	
OBER	3.02	129.5	Pn	20:30:03.500	1.2	_____	mci ML	2.8	
FUR	3.16	111.0	Pn	20:30:05.582	1.4	_____	m_e ML	3.7	
MOX	3.31	65.7	Pg	20:30:15.388	-1.4	_____	m_e ML	3.1	
MOX	3.31	65.7	Sg	20:31:00.000	0.4	_____	m_e		
CLZ	3.32	40.9	Pn	20:30:05.412	-1.0	_____	m_e ML	3.4	
ROTZ	3.49	81.6	Sg	20:31:05.894	0.5	_____	m_e		
GUNZ	3.67	72.4	Sg	20:31:10.668	-0.2	_____	m_e ML	3.4	
WERD	3.67	71.0	Pn	20:30:11.778	0.7	_____	m_e ML	3.3	
WERD	3.67	71.0	Pg	20:30:23.149	-0.4	_____	m_e		
WERD	3.67	71.0	Sg	20:31:11.258	0.2	_____	m_e		
WERN	3.68	73.6	Pn	20:30:11.500	0.3	_____	m_e ML	3.4	
WERN	3.68	73.6	Sg	20:31:10.618	-0.6	_____	m_e		
TANN	3.76	71.9	Sg	20:31:12.758	-1.1	_____	m_e ML	3.4	
WET	3.94	91.1	Pn	20:30:15.490	0.7	_____	m_e		
RJOB	4.26	110.4	Pn	20:30:21.030	1.9	_____	m_e		
CLL	4.37	61.5	Pg	20:30:38.100	1.3	_____	m_i ML	3.5	
CLL	4.37	61.5	Sg	20:31:32.417	-0.9	_____	m_e		
GEC2	4.52	94.2	Pn	20:30:23.660	1.1	_____	m_e ML	3.4	

Event 71212003 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/12	14:52:33.50	0.10	0.78	51.4770	6.5432	2.0	1.3	154	1.0f		118	34	154			m i sr	LDG	71212043
2007/12/12	14:52:38.70	3.40	0.64	51.2000	6.8300	44.0	31.0	128	10.0f		17	16	320	1.39	4.11	m i ke	LED	71212033
2007/12/12	14:52:32.90	0.59	0.21	51.4960	6.5810				1.5	17.2		13	274	0.27	1.38	m i ki	BNS	71212023
2007/12/12	14:52:33.08	0.29	0.93	51.4440	6.6460	4.4	3.3	128	1.0f		27	16	147	0.39	3.97	m i ki	BGR	71212013
2007/12/12	14:52:31.80			51.4090	6.5660				1.0f							m i ki	BUG	71212003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.6	0.1	5 LDG	71212043
ML	3.7	0.3	34 LDG	71212043
ML	3.0	0.1	9 LED	71212033
ML	3.2		BNS	71212023
ML	3.4	0.2	15 BGR	71212013
ML	3.3		BUG	71212003

Effects                      Loctyp Location                      Intensity Scale Author  
 F                                  Summar                                  5.0                      EMS                      BNS  
 (Felt in Moers-Repelen (I=V), Moers (I=IV), Duisburg (I=II-IV))

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.24	103.7	Pg	14:52:37.890	1.5										
LAUG	0.24	103.7	Sg	14:52:41.710	2.2							1371.6	0.59	m_e	
BD09	0.32	191.5	Pg	14:52:40.800	3.0									m_e	
BD09	0.32	191.5	Sg	14:52:47.270	5.3									m_i	
BD11	0.34	194.6	Sg	14:52:47.840	5.3									m_i	
RODG	0.36	222.5	Pg	14:52:40.700	2.2									m_e	
BD03	0.42	180.8	Pg	14:52:42.620	3.0									mde	
BUG	0.44	85.6	Pg	14:52:41.100	1.0					TA_				m_e	ML 3.3
BUG	0.44	85.6	Sg	14:52:47.800	2.0					TA_				m_e	
BD01	0.45	174.4	Sg	14:52:51.660	5.5									m_i	
BD07	0.47	171.7	Pg	14:52:43.800	3.1									m_e	
BNS	0.59	139.1	Pg	14:52:45.470	2.6									mdi	
BNS	0.59	139.1	Sg	14:52:54.370	3.9							1608.2	0.52	m_e	
HOBG	0.64	131.2	Pg	14:52:46.300	2.4									mde	
HOBG	0.64	131.2	Sg	14:52:56.080	3.9							1112.6	0.51	m_e	
HGN	0.76	212.0	Pg	14:52:48.339	2.3						242.6			m_e	
HGN	0.76	212.0	Sg	14:52:59.679	3.8						14.8			m_e	
DREG	0.78	195.8	Pg	14:52:48.770	2.4									mde	
DREG	0.78	195.8	Sg	14:53:01.100	4.7							804.9	0.19	m_e	
KLL	0.78	192.0	Pg	14:52:48.790	2.3									m_e	
KLL	0.78	192.0	Sg	14:53:00.770	4.2							654.0	0.22	m_e	
STB	0.83	168.0	Pg	14:52:50.090	2.6									m_e	
STB	0.83	168.0	Sg	14:53:02.310	4.0							677.4	0.33	m_e	
HILG	1.12	176.3	Pg	14:52:55.240	2.3									m_e	
HILG	1.12	176.3	Sg	14:53:10.840	3.5							761.0	0.39	m_e	
IBBN	1.16	38.9	Pg	14:52:53.457	-0.2						18.0			m_e	ML 3.5
IBBN	1.16	38.9	Sg	14:53:08.895	0.2						6.2			m_e	
KOE	1.23	142.8	Pg	14:52:56.570	1.6									m_e	
KOE	1.23	142.8	Sg	14:53:14.130	3.3							439.7	0.28	m_e	
BGG	1.30	157.6	Pg	14:52:57.580	1.3									mde	
BGG	1.30	157.6	Sg	14:53:16.410	3.4							269.8	0.38	m_e	
WIT	1.41	2.6	Pg	14:52:58.937	0.6						2.5			m_e	



WIT	1.41	2.6	Sg	14:53:16.857	0.4	---	3.6	m_e	
ABH	1.65	157.4	Pn	14:53:02.810	1.7	---		mde	
ABH	1.65	157.4	Pg	14:53:04.980	2.1	---		m__	
RUP	1.74	169.4	Pn	14:53:05.980	3.7	---		m__	
WLF	1.76	188.7	Pn	14:53:04.399	1.7	---		m_e	ML 3.5
WLF	1.76	188.7	Pg	14:53:06.802	1.8	---	22.4	m_e	
WLF	1.76	188.7	Sg	14:53:29.859	2.0	---	7.7	m_e	
GTTG	2.12	85.0	Pg	14:53:11.330	-0.4	---	5.4	m_e	ML 3.6
GTTG	2.12	85.0	Sg	14:53:39.295	0.1	---	5.3	m_e	
UBBA	2.24	104.0	Pg	14:53:13.878	-0.1	---	10.2	m_e	ML 2.9
TOD	2.30	140.8	P	14:53:12.020		---		mci	
SWS	2.36	143.9	P	14:53:12.620		---		m__	ML 2.9
CLZ	2.40	78.1	Pn	14:53:10.966	-0.4	---	3.7	m_e	ML 3.4
CLZ	2.40	78.1	Pg	14:53:16.054	-1.0	---	12.9	m_e	
HROE	2.42	109.7	Pn	14:53:12.600	1.0	---		m di	ML 3.0
NRDL	2.44	62.2	Pg	14:53:17.142	-0.6	---	5.2	m_e	
LANF	2.55	161.4	P	14:53:15.790		---		mce	
ASSE	2.64	72.5	Pg	14:53:22.030	0.5	---	8.1	m_e	
SIND	2.83	135.6	P	14:53:19.070		---		m__	ML 3.3
SIND	2.83	135.6	S	14:53:53.840		---		m__	
LBG	3.10	151.6	P	14:53:22.900		---		m__	ML 3.0
ECH	3.22	172.9	P	14:53:24.220		---		m__	
MOX	3.27	101.6	Pn	14:53:24.736	1.7	---	5.9	m_e	ML 3.3
MOX	3.27	101.6	Pg	14:53:33.710	0.4	---	2.3	m_e	
MOX	3.27	101.6	Sg	14:54:15.854	0.3	---		m_e	
BFO	3.28	159.1	Pn	14:53:25.305	2.1	---	17.4	m_e	ML 3.3
GRA1	3.42	118.3	Pn	14:53:27.163	2.0	---		m_e	ML 3.6
BUCH	3.46	147.7	P	14:53:27.970		---		m__	ML 3.2
KIZ	3.56	165.3	P	14:53:28.780		---		m__	ML 3.1
SPAK	3.60	155.7	P	14:53:29.970		---		m__	
FELD	3.65	164.7	P	14:53:30.560		---		m__	
HDH	3.67	138.9	P	14:53:30.620		---		m__	ML 3.1
GUT	3.72	152.8	P	14:53:31.550		---		m__	ML 3.0
GUT	3.72	152.8	S	14:54:04.560		---		m__	
WERD	3.74	102.6	Pn	14:53:31.274	1.8	---	6.4	m_e	ML 3.3
WERD	3.74	102.6	Sg	14:54:31.005	0.3	---	2.8	m_e	
GUNZ	3.78	103.8	Pn	14:53:31.860	1.8	---	4.6	m_e	ML 3.4
GUNZ	3.78	103.8	Pg	14:53:42.864	-0.2	---	2.1	m_e	
MANZ	3.79	109.9	Pn	14:53:32.419	2.3	---		m_e	ML 3.5
TANN	3.85	102.7	Pn	14:53:32.813	1.9	---	7.2	m_e	ML 3.4
MGBB	3.86	109.7	Pn	14:53:33.000	2.0	---		mci	ML 2.9
ROTZ	3.94	112.4	Pn	14:53:34.004	1.9	---		m_e	ML 3.5
CLL	4.02	88.9	Pn	14:53:34.600	1.4	---		m_e	ML 3.6
CLL	4.02	88.9	Pg	14:53:45.951	-1.6	---	3.1	m_e	
CLL	4.02	88.9	Sg	14:54:39.217	-0.3	---	3.8	m_e	
SISB	4.03	156.4	P	14:53:36.300		---		mce	ML 3.0
UBR	4.38	147.0	P	14:53:40.860		---		m__	ML 3.0

Event 71212006 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/12	21:40:35.90	0.12	0.69	49.3874	6.8175	2.2	2.1	049	1.0f		28	14	086			m i sr	LDG	71212016

2007/12/12 21:40:36.42 0.51 0.41 49.3000 6.7040 33.4 4.4 042 1.0f 6 3 185 0.51 4.60 m i ki BGR 71212006  
(#PRIME)

Magnitude Err Nsta Author OrigID  
MD 2.5 1 LDG 71212016  
ML 2.6 0.2 12 LDG 71212016  
ML 1.8 0.2 2 BGR 71212006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.51	315.7	Pg	21:40:46.432	0.4					T__	3.6			m_e ML	1.6
WLF	0.51	315.7	Sg	21:40:52.259	-0.4					T__				m_e	
BFO	1.44	131.6	Pn	21:41:03.368	0.4					T__				m_e ML	2.0
BFO	1.44	131.6	Pg	21:41:03.910	0.3					T__	2.6			m_e	
BFO	1.44	131.6	Sg	21:41:21.774	-0.5					T__				m_e	
GEC2	4.60	93.0	Pn	21:41:45.773	-0.0					T__				m_e	

Event 71213310 Tecklenburg/Ibbenbueren, W of Osnabrueck

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/13	01:04:16.58	0.87		52.3410	7.8530	13.3	4.4	173	1.0f		7	4	228	0.07	2.02	m i ki	BGR	71213310

Magnitude Err Nsta Author OrigID  
ML 2.2 BGR 71213310

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
IBBN	0.07	238.9	Pg	01:04:17.744	-0.1					T__				m_e	
IBBN	0.07	238.9	Sg	01:04:18.171	-0.6					T__				m_e	
BUG	0.97	202.0	Pg	01:04:35.882	1.0					T__				m_e ML	2.4
BUG	0.97	202.0	Sg	01:04:49.783	2.4					T__				m_e	
CLZ	1.63	106.9	Pg	01:04:48.323	1.1					T__				m_e ML	2.1
CLZ	1.63	106.9	Sg	01:05:09.134	0.9					T__				m_e	
UBBA	2.02	137.9	Sg	01:05:21.473	0.6					T__				m_e	

Event 71213002 Alzey, SW of Worms

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/13	14:11:39.20	0.09	0.70	49.6869	8.2366	1.6	1.2	018	15.2	0.8	33	12	088			m i ke	LDG	71213022
2007/12/13	14:11:39.11	0.32	0.90	49.6720	8.3130	4.4	4.4	137	10.0f		14	9	098	0.56	3.61	m i ke	BGR	71213012
2007/12/13	14:11:39.76	0.15	0.21	49.6890	8.2780	2.6	1.3	039	8.0	2.0	17	11	092	0.34	2.34	m i ke	LED	71213002

(#PRIME)

Magnitude Err Nsta Author OrigID  
MD 2.8 1 LDG 71213022  
ML 3.0 0.2 13 LDG 71213022  
ML 2.3 0.2 8 BGR 71213012  
ML 2.5 0.1 8 LED 71213002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SWS	0.34	126.6	P*	14:11:46.420						T__				mci ML	2.4
SWS	0.34	126.6	S*	14:11:51.060						T__				m_i	

TOD	0.35	103.5	P*	14:11:46.570						T__								m__	
KTD	0.39	199.0	P*	14:11:47.510						T__								m__	
ABH	0.51	292.5	P*	14:11:49.600						T__								m__	
TNS	0.54	11.5	P*	14:11:50.090						T__								m__	
TNS	0.54	11.5	Sg	14:11:57.994	0.8						7.5							m_e	
LANF	0.77	203.7	P*	14:11:53.680						T__								m__	
SIND	0.93	111.0	P*	14:11:57.360						T__								m__ ML	2.8
LBG	1.08	161.5	Pn	14:11:58.580	-1.9					T__								m__ ML	2.1
LBG	1.08	161.5	Pg	14:12:00.190	0.0					T__								mci	
BFO	1.36	178.6	Pn	14:12:02.180	-2.1						3.3							m_e ML	2.0
BFO	1.36	178.6	Pg	14:12:05.082	-0.3						11.8							m_e	
BFO	1.36	178.6	Sg	14:12:21.912	-1.1						4.2							m_e	
WLF	1.38	269.8	Sg	14:12:22.865	-0.7						3.9							m_e ML	2.2
BUCH	1.43	150.0	Pg	14:12:06.800	0.1					T__								m__ ML	2.5
BUCH	1.43	150.0	Sg	14:12:24.980	-0.1					T__								m__	
UBBA	1.58	43.6	Sg	14:12:28.774	-1.2						4.1							m_e ML	2.1
SPAK	1.62	167.9	Pg	14:12:10.140	-0.2													m__	
ECH	1.65	206.9	Sg	14:12:30.630	-1.5													m__	
HDH	1.68	130.5	Sg	14:12:31.900	-1.2													m__ ML	2.5
GUT	1.71	160.9	Pn	14:12:07.520	-1.5					T__								m__ ML	2.3
GUT	1.71	160.9	Sg	14:12:33.840	-0.3					T__								m__	
KIZ	1.75	187.9	P	14:12:07.020						T__								m__ ML	2.5
KIZ	1.75	187.9	Sn	14:12:27.150	-3.7					T__								m__	
KIZ	1.75	187.9	Sg	14:12:34.560	-0.8					T__								m__	
FELD	1.82	185.8	Sg	14:12:36.280	-1.4													m__	
MOF	1.99	202.8	Sg	14:12:41.440	-1.5													m__	
MOX	2.34	64.6	Pg	14:12:22.599	-1.3						1.7							m_e ML	2.4
UBR	2.34	148.3	Pg	14:12:25.200	1.3													m__ ML	2.5
UBR	2.34	148.3	Sg	14:12:54.080	-0.2													m__	
GUNZ	2.69	73.9	Pg	14:12:29.717	-0.8						2.8							m_e ML	2.5
TANN	2.78	73.3	Pg	14:12:30.988	-1.2						4.3							m_e ML	2.6
TANN	2.78	73.3	Sg	14:13:06.136	-2.0						4.1							m_e	
WET	3.04	98.6	Pn	14:12:28.362	1.2						2.0							m_e ML	2.6
WET	3.04	98.6	Sg	14:13:15.385	-1.0						4.2							m_e	
GEC2	3.64	101.3	Sg	14:13:33.682	-1.7						3.4							m_e	

Event 71213307 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/13	14:52:15.10			51.1960	15.9090				5.0f							m i uk	NEIC	71213317
2007/12/13	14:52:18.75	0.37		51.4730	16.1490	4.4	2.2	015	1.0f		31	16	198	0.64	3.60	m i ki	BGR	71213307

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		NEIC	71213317
ML	4.3		BGR	71213307

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.64	171.8	Pg	14:52:31.136	0.4					T__				m_e ML	3.4
KSP	0.64	171.8	Sg	14:52:41.312	2.3					T__				m_e	
DPC	1.13	174.4	Pg	14:52:40.096	0.1					T__				m_e ML	3.7
DPC	1.13	174.4	Sg	14:52:55.950	1.4					T__				m_e	

BRG	1.51	247.4	Pn	14:52:45.559	-0.6	T__	m_e	ML	4.1
BRG	1.51	247.4	Sg	14:53:07.531	0.9	T__	m_e		
FBE	1.84	253.6	Pn	14:52:50.067	-0.5	T__	m_e	ML	4.1
FBE	1.84	253.6	Sg	14:53:17.353	0.3	T__	m_e		
CLL	1.97	266.4	Pn	14:52:51.340	-1.1	T__	m_e	ML	4.2
CLL	1.97	266.4	Pg	14:52:55.000	-0.9	---	m_e		
CLL	1.97	266.4	Sg	14:53:21.345	-0.0	T__	m_e		
OKC	2.07	141.5	Pn	14:52:53.049	-0.7	T__	m_e		
OKC	2.07	141.5	Sg	14:53:24.801	0.3	T__	m_e		
TANN	2.55	247.0	Pn	14:53:00.574	0.3	T__	m_e	ML	4.5
TANN	2.55	247.0	Sg	14:53:41.467	1.6	T__	m_e		
OJC	2.62	117.1	Pn	14:52:59.811	-1.4	T__	m_e	ML	4.4
OJC	2.62	117.1	Sg	14:53:43.967	1.9	T__	m_e		
WERD	2.63	248.5	Pn	14:53:01.477	0.1	T__	m_e	ML	4.3
MGBB	2.91	240.5	Pn	14:53:05.800	0.7	---	mdi	ML	4.0
MANZ	2.96	241.4	Pn	14:53:06.678	0.9	T__	m_e	ML	4.5
MANZ	2.96	241.4	Sg	14:53:54.578	1.8	T__	m_e		
MOX	2.97	255.6	Pn	14:53:05.910	-0.0	T__	m_e	ML	4.7
MOX	2.97	255.6	Pg	14:53:14.600	-0.1	---	m_e		
MOX	2.97	255.6	Sg	14:53:54.925	1.9	T__	m_e		
ROTZ	3.03	237.2	Pn	14:53:07.532	0.8	T__	m_e	ML	4.1
ROTZ	3.03	237.2	Sg	14:53:55.085	0.2	T__	m_e		
GEC2	3.06	211.8	Pn	14:53:07.992	0.8	T__	m_e	ML	4.3
GEC2	3.06	211.8	Sg	14:53:55.748	-0.2	T__	m_e		
WET	3.13	223.2	Pn	14:53:08.719	0.6	T__	m_e	ML	4.4
WET	3.13	223.2	Sg	14:53:58.760	0.6	T__	m_e		
GRA1	3.60	242.3	Pn	14:53:15.125	0.6	T__	m_e	ML	5.0
GRA1	3.60	242.3	Sg	14:54:14.484	1.4	T__	m_e		
CLZ	3.60	278.1	Pn	14:53:15.320	0.8	T__	m_e	ML	4.4
CLZ	3.60	278.1	Sg	14:54:13.897	0.7	T__	m_e		
HROE	3.88	258.4	Pn	14:53:18.900	0.5	---	mdi	ML	4.4

Event 71214303 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/14	19:26:04.12	0.37		51.4650	16.0940	4.4	2.2	014	1.0f		30	16	198	0.63	3.57	m i ki	BGR	71214303

Magnitude	Err	Nsta	Author	OrigID
ML	3.3		BGR	71214303

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.63	168.6	Pg	19:26:16.348	0.3					T__				m_e	ML 2.5
KSP	0.63	168.6	Sg	19:26:26.548	2.3					T__				m_e	
DPC	1.12	172.6	Pn	19:26:24.980	-1.3					T__				m_e	ML 2.7
DPC	1.12	172.6	Sg	19:26:41.337	1.5					T__				m_e	
BRG	1.47	247.2	Pn	19:26:30.337	-0.7					T__				m_e	ML 3.1
BRG	1.47	247.2	Sg	19:26:52.114	1.2					T__				m_e	
FBE	1.80	253.5	Pn	19:26:34.551	-0.9					T__				m_e	ML 3.1
FBE	1.80	253.5	Sg	19:27:02.062	0.7					T__				m_e	
CLL	1.94	266.5	Pn	19:26:36.131	-1.2					T__				m_e	ML 3.2
CLL	1.94	266.5	Pg	19:26:40.000	-0.6					---				m_e	
CLL	1.94	266.5	Sg	19:27:06.360	0.7					T__				m_e	

OKC	2.08	140.5	Pn	19:26:38.553	-0.8	T__	m_e		
TANN	2.52	246.8	Pn	19:26:45.122	-0.1	T__	m_e ML	3.4	
TANN	2.52	246.8	Sg	19:27:25.290	1.2	T__	m_e		
WERD	2.59	248.4	Pn	19:26:46.307	0.1	T__	m_e ML	3.2	
WERD	2.59	248.4	Sg	19:27:27.682	1.2	T__	m_e		
OJC	2.65	116.6	Pg	19:26:54.473	0.4	T__	m_e ML	3.5	
OJC	2.65	116.6	Sg	19:27:28.626	0.3	T__	m_e		
MGBB	2.87	240.2	Pn	19:26:50.300	0.3	---	mdi ML	3.1	
MANZ	2.92	241.2	Pn	19:26:50.924	0.2	T__	m_e ML	3.6	
MANZ	2.92	241.2	Sg	19:27:38.391	1.4	T__	m_e		
MOX	2.93	255.5	Pn	19:26:50.697	-0.1	T__	m_e ML	3.7	
MOX	2.93	255.5	Pg	19:26:59.000	-0.4	---	m_e		
MOX	2.93	255.5	Sg	19:27:38.755	1.5	T__	m_e		
ROTZ	2.99	237.0	Pn	19:26:52.109	0.4	T__	m_e ML	3.4	
GEC2	3.03	211.3	Pn	19:26:53.222	1.0	T__	m_e ML	3.4	
GEC2	3.03	211.3	Sg	19:27:39.615	-0.9	T__	m_e		
WET	3.10	222.8	Pn	19:26:53.766	0.7	T__	m_e ML	3.3	
WET	3.10	222.8	Sg	19:27:43.165	0.6	T__	m_e		
GRA1	3.56	242.1	Pn	19:27:00.030	0.6	T__	m_e ML	3.9	
GRA1	3.56	242.1	Sg	19:27:59.540	2.2	T__	m_e		
CLZ	3.57	278.3	Pn	19:26:59.909	0.4	T__	m_e ML	3.6	
CLZ	3.57	278.3	Sg	19:27:58.069	0.6	T__	m_e		
HROE	3.85	258.4	Pn	19:27:03.300	0.0	---	mdi ML	3.5	

Event 71214002 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/14	23:01:15.10	0.50	0.21	49.3980	6.8250				1.4	7.1		6	314	0.87	1.32	m i ki	BNS	71214032
2007/12/14	23:01:14.30	0.04	0.44	49.3749	6.8260	0.8	0.7	131	1.0f		94	35	043			m i sr	LDG	71214022
2007/12/14	23:01:14.17	0.28	0.74	49.3710	6.8380	3.3	3.3	075	1.0f		18	16	098	0.53	4.52	m i ki	BGR	71214012
2007/12/14	23:01:14.20	0.50	0.38	49.3800	6.8100	6.0	3.0	134	1.0f		14	12	198	0.69	2.77	m i ki	LED	71214002

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BNS	71214032
MD	3.0	0.1	3 LDG	71214022
ML	3.1	0.3	35 LDG	71214022
ML	2.7	0.3	8 BGR	71214012
ML	2.6	0.0	7 LED	71214002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.51	303.9	Pg	23:01:24.756	0.9					---	17.8			m_e ML	2.3
WLF	0.51	303.9	Sg	23:01:30.635	0.1					---	6.4			m_e	
ABH	0.69	43.3	P*	23:01:27.100						T__				m__	
LANF	0.76	121.2	P*	23:01:28.330						T__				mci	
KTD	0.83	93.6	Pg	23:01:30.330	0.4					T__				m__	
BGG	0.89	22.2	Pg	23:01:31.400	0.3					---				m_e	
HILG	0.92	354.7	Pg	23:01:32.300	0.8					---				m_e	
ECH	1.19	168.7	Pg	23:01:36.610	0.0					T__				m__	
KOE	1.20	29.2	Pg	23:01:37.300	0.4					---				m_e	
STB	1.21	0.9	Pg	23:01:37.170	0.1					---				m_e	
STB	1.21	0.9	Sg	23:01:53.470	0.7					---		67.0	0.33	m_e	

SWS	1.23	84.4	P	23:01:36.540		T__								m__	ML	2.5		
SWS	1.23	84.4	Sg	23:01:53.330	-0.1	T__								m__				
THEF	1.27	205.3	Pg	23:01:38.020	-0.1	T__								mdi				
KLL	1.31	346.0	Pg	23:01:38.460	-0.4	___								m_e				
TOD	1.31	79.3	Pg	23:01:38.530	-0.4	T__								m__				
DREG	1.34	344.1	Pg	23:01:38.710	-0.7	___								m_e				
LIBD	1.34	156.7	P*	23:01:39.970		T__								m__				
BFO	1.45	135.8	Pn	23:01:40.301	-0.5	___				7.7				m_e	ML	2.3		
BFO	1.45	135.8	Sg	23:01:58.524	-1.7	___				3.5				m_e				
LBG	1.49	118.1	Pg	23:01:42.030	-0.2	T__								m__	ML	2.6		
LBG	1.49	118.1	S	23:01:58.530		___								m__				
MOF	1.54	171.9	Pg	23:01:43.360	0.1	T__								mde				
MOF	1.54	171.9	Sg	23:02:03.590	0.4	T__								m__				
KIZ	1.60	152.4	Pg	23:01:44.020	-0.3	T__								m__	ML	2.5		
STU	1.68	110.4	Sg	23:02:05.173	-2.3	___								m_e	ML	2.6		
FELD	1.70	151.9	Pg	23:01:46.260	0.1	T__								mci				
SIND	1.82	89.9	P	23:01:44.720		___								m__	ML	2.5		
SPAK	1.82	133.7	Pg	23:01:48.570	-0.0	___								m__				
BUCH	1.91	118.1	P	23:01:47.470		___								m__	ML	2.6		
GUT	2.01	129.9	P	23:01:48.770		___								m__	ML	2.7		
GUT	2.01	129.9	Sg	23:02:17.390	-0.6	___								m__				
LOMF	2.03	179.7	Pg	23:01:52.110	-0.3	___								m__				
BUG	2.08	7.9	Sg	23:02:19.838	-0.5	___				3.9				m_e	ML	2.6		
UBBA	2.50	53.7	Sg	23:02:33.945	0.3	___				2.6				m_e	ML	2.5		
UBR	2.77	126.6	P	23:01:59.680		___								m__	ML	2.6		
GRA1	2.88	82.1	Pg	23:02:07.101	-1.4	___								m_e	ML	2.9		
GRA1	2.88	82.1	Sg	23:02:44.559	-1.1	___								m_e				
MOX	3.34	65.9	Pg	23:02:15.400	-1.7	___								m_e				
MOX	3.34	65.9	Sg	23:03:00.200	0.0	___								m_e				
TANN	3.78	72.0	Sg	23:03:13.491	-0.9	___				3.2				m_e	ML	3.1		
WET	3.97	91.1	Pn	23:02:16.156	1.2	___				3.6				m_e	ML	3.1		
CLL	4.40	61.6	Sg	23:03:34.000	0.2	___								m_e				
GEC2	4.54	94.1	Pn	23:02:23.900	1.2	___				23.2				m_e				

Event 71218304 Tecklenburg/Ibbenbueren, W of Osnabrueck

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/18	05:26:05.70	1.28	1.11	52.2160	7.7880				1.0f			6	336	1.01	2.03	m i ki	BNS	71218314
2007/12/18	05:26:04.43	1.26		52.2580	7.9360	16.7	5.6	157	1.0f		7	4	257	0.92	2.83	m i ki	BGR	71218304

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	71218314
ML	2.3		BGR	71218304

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.92	207.0	Pg	05:26:21.755	0.1					T__				m_e	ML 2.3
BUG	0.92	207.0	Sg	05:26:34.413	0.9					T__				m_e	
LAUG	1.09	214.5	Pg	05:26:24.630	-0.4					___				m_e	
LAUG	1.09	214.5	Sg	05:26:38.780	-0.4					___		27.5	0.65	m_e	
HOBG	1.33	196.6	Pg	05:26:28.010	-1.4					___				m_e	
CLZ	1.56	104.6	Pg	05:26:33.998	0.3					T__				m_e	ML 2.2



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBER	0.31	296.9	Pg	22:00:05.400	0.4					---				mdi	
DAVA	0.56	272.3	Pg	22:00:10.001	0.4					---	22.1			m_e ML	2.2
WTTA	0.63	90.0	Pg	22:00:11.206	0.2					---	11.2			m_e	
WTTA	0.63	90.0	Sg	22:00:20.469	1.2					---	4.8			m_e	
SCE	0.72	108.1	Pg	22:00:12.700	0.0					---				mci	
FUR	0.98	23.1	Pg	22:00:19.763	2.3					---	8.7			m_e ML	2.9
FUR	0.98	23.1	Sg	22:00:33.949	3.9					---	11.9			m_e	
KBA	1.81	95.0	Pg	22:00:34.612	1.5					---	10.2			m_e ML	2.3
KBA	1.81	95.0	Sg	22:00:59.305	2.9					---	3.9			m_e	
BFO	1.92	304.6	Pn	22:00:33.469	2.3					---	1.4			m_e ML	2.5
BFO	1.92	304.6	Sg	22:01:00.967	1.1					---	5.6			m_e	
WET	2.37	36.9	Pn	22:00:38.903	1.5					---	9.1			m_e ML	2.4
WET	2.37	36.9	Sn	22:01:08.568	3.7					---	2.2			m_e	
MOA	2.47	75.1	Sg	22:01:19.250	1.6					---	3.5			m_e ML	2.6
GUNZ	3.28	18.5	Sn	22:01:28.603	2.4					---	2.2			m_e ML	2.9
GUNZ	3.28	18.5	Sg	22:01:44.073	0.9					---	3.8			m_e	
TNS	3.31	334.1	Sn	22:01:29.499	2.6					---	1.8			m_e ML	3.1
MOX	3.43	9.7	Sn	22:01:33.080	3.3					---	2.4			m_e ML	3.0
MOX	3.43	9.7	Sg	22:01:51.400	3.4					---				m_e	
CLL	4.31	19.5	Sg	22:02:19.000	3.1					---				m_e	

Event 71221002 Tecklenburg/Ibbenbueren, W of Osnabrueck

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/21	06:52:52.70	0.28	0.11	52.2760	7.6170				1.0f			5	333	1.01	1.85	m i ki	BNS	71221012
2007/12/21	06:52:51.14	0.67	0.64	52.3290	7.8290	8.9	4.4	149	1.0f		9	5	198	0.05	2.14	m i ki	BGR	71221002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	71221012
ML	2.3	0.2	3 BGR	71221002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
IBBN	0.05	242.0	Pg	06:52:51.195	-0.9					T_	872.4			m_e	
BUG	0.95	201.5	Pg	06:53:09.553	0.5					T_	4.2			m_e ML	2.3
BUG	0.95	201.5	Sg	06:53:21.783	0.4					T_				m_e	
LAUG	1.12	209.6	Pg	06:53:11.840	-0.4					---				m_e	
LAUG	1.12	209.6	Sg	06:53:25.990	-0.7					---				m_e	
HOBG	1.38	193.1	Pg	06:53:16.250	-0.9					---				m_e	
NRDL	1.40	82.3	Pg	06:53:18.033	0.5					T_	2.4			m_e	
NRDL	1.40	82.3	Sg	06:53:35.626	0.0					T_				m_e	
BNS	1.42	196.8	Pg	06:53:16.940	-1.0					---				m_e	
CLZ	1.64	106.3	Pg	06:53:22.323	0.3					T_	4.8			m_e ML	2.1
CLZ	1.64	106.3	Sg	06:53:42.704	-0.4					T_				m_e	
STB	1.84	199.9	Pg	06:53:22.420	-3.4					---				m_e	
STB	1.84	199.9	Sg	06:53:44.800	-4.8					---		14.1	0.36	m_e	
KOE	1.90	181.9	Pg	06:53:23.640	-3.4					---				m_e	
TNS	2.14	169.4	Pg	06:53:32.623	1.1					T_	3.5			m_e ML	2.6
TNS	2.14	169.4	Sg	06:53:58.478	-0.7					T_				m_e	



Event 71221307 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/21	16:54:09.25	0.50		51.5010	16.1240	6.7	2.2	018	1.0f		24	16	199	0.67	3.60	m i ki	BGR	71221317

Magnitude	Err	Nsta	Author	OrigID
ML	3.1		BGR	71221317

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.67	170.8	Pg	16:54:21.614	-0.2					T__				m_e	ML 2.3
KSP	0.67	170.8	Sg	16:54:30.522	0.1					T__				m_e	
DPC	1.16	173.7	Pg	16:54:30.498	-0.6					T__				m_e	ML 2.5
DPC	1.16	173.7	Sg	16:54:47.130	1.1					T__				m_e	
BRG	1.50	246.2	Pn	16:54:36.964	0.4					T__				m_e	ML 3.0
BRG	1.50	246.2	Sg	16:54:57.203	0.2					T__				m_e	
FBE	1.83	252.6	Sg	16:55:06.895	-0.5					T__				m_e	ML 2.8
CLL	1.96	265.6	Pn	16:54:42.275	-0.5					T__				m_e	ML 3.1
CLL	1.96	265.6	Pg	16:54:46.000	-0.1					___				m_e	
CLL	1.96	265.6	Sg	16:55:11.964	0.6					T__				m_e	
OKC	2.10	141.6	Sg	16:55:14.682	-1.3					T__				m_e	ML 3.3
TANN	2.55	246.2	Pn	16:54:51.228	0.5					T__				m_e	ML 3.1
TANN	2.55	246.2	Sg	16:55:30.261	0.0					T__				m_e	
WERD	2.62	247.8	Pn	16:54:52.113	0.3					T__				m_e	ML 3.1
WERD	2.62	247.8	Sg	16:55:32.408	-0.2					T__				m_e	
OJC	2.65	117.5	Sg	16:55:35.300	1.9					T__				m_e	ML 3.2
MGBB	2.91	239.8	Pn	16:54:56.200	0.6					___				mdi	ML 2.7
MANZ	2.96	240.8	Pn	16:54:56.803	0.5					T__				m_e	ML 3.2
MANZ	2.96	240.8	Sg	16:55:44.207	1.0					T__				m_e	
MOX	2.96	254.9	Pn	16:54:57.000	0.7					___				m_e	ML 3.4
MOX	2.96	254.9	Pg	16:55:05.300	0.3					___				m_e	
MOX	2.96	254.9	Sg	16:55:44.897	1.6					T__				m_e	
ROTZ	3.03	236.6	Pn	16:54:57.964	0.7					T__				m_e	ML 3.0
GEC2	3.08	211.2	Pn	16:54:59.262	1.4					T__				m_e	ML 3.2
GEC2	3.08	211.2	Sg	16:55:45.915	-1.0					T__				m_e	
WET	3.14	222.6	Pn	16:54:59.133	0.4					T__				m_e	ML 3.1
CLZ	3.58	277.7	Sg	16:56:04.818	1.8					T__				m_e	ML 3.2
GRA1	3.60	241.7	Sg	16:56:04.681	1.1					T__				m_e	ML 3.6
HROE	3.87	257.9	Pn	16:55:09.400	0.7					___				mdi	ML 3.2

Event 71222001 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/22	00:22:01.90	0.61	0.31	49.3600	6.8060				1.0f			4	326	0.91	1.23	m i ki	BNS	71222021
2007/12/22	00:22:02.00	0.06	0.55	49.3821	6.7787	1.3	1.1	152	1.0f		54	26	089			m i sr	LDG	71222011
2007/12/22	00:22:02.46	0.46	0.90	49.3510	6.8050	8.9	5.6	035	1.0f		6	3	172	0.53	1.43	m i ki	BGR	71222001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		BNS	71222021
MD	2.6	1	LDG	71222011

ML 2.4 0.3 25 LDG 71222011  
 ML 1.9 0.3 3 BGR 71222001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.53	306.8	Pg	00:22:12.347	-0.1					T__	9.3			m_e	ML 1.5
WLF	0.53	306.8	Sg	00:22:19.209	-0.0					T__	3.6			m_e	
BGG	0.92	21.7	Pg	00:22:18.900	-0.9					---				m_e	
HILG	0.94	355.1	Pg	00:22:19.490	-0.8					---				m_e	
KOE	1.23	28.7	Pg	00:22:24.860	-0.8					---				m_e	
STB	1.24	1.0	Pg	00:22:24.510	-1.4					---				m_e	
STB	1.24	1.0	Sg	00:22:41.690	-0.3					---		10.5	0.66	m_e	
TNS	1.37	50.0	Pn	00:22:26.701	-1.3					---				m_e	ML 2.2
TNS	1.37	50.0	Pg	00:22:27.955	-0.4					T__	7.6			m_e	
TNS	1.37	50.0	Sg	00:22:46.484	0.4					T__	3.4			m_e	
BFO	1.43	134.9	Pn	00:22:28.905	0.1					---				m_e	ML 2.0
BFO	1.43	134.9	Pg	00:22:30.571	1.1					T__	3.4			m_e	
BFO	1.43	134.9	Sg	00:22:47.554	-0.4					T__	8.3			m_e	

Event 71222002 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/22	06:51:48.00	0.06	0.29	49.3967	6.7581	1.2	1.0	078	1.0f		34	15	092			m i sr	LDG	71222012
2007/12/22	06:51:49.12	0.46	0.61	49.3620	6.7860	7.8	4.4	034	1.0f		6	3	171	0.51	1.45	m i ki	BGR	71222002

(#PRIME)

Magnitude Err Nsta Author OrigID  
 MD 2.2 1 LDG 71222012  
 ML 2.2 0.2 13 LDG 71222012  
 ML 1.7 0.3 3 BGR 71222002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.51	306.6	Pg	06:51:59.147	0.4					T__				m_e	ML 1.3
WLF	0.51	306.6	Sg	06:52:04.993	-0.4					T__	3.2			m_e	
TNS	1.37	50.6	Pg	06:52:14.525	-0.5					T__				m_e	ML 2.0
TNS	1.37	50.6	Sg	06:52:33.179	0.4					T__	2.0			m_e	
BFO	1.45	134.9	Pg	06:52:17.426	1.0					T__				m_e	ML 1.7
BFO	1.45	134.9	Sg	06:52:34.469	-0.7					T__	4.3			m_e	

Event 71222003 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/22	07:36:23.00	0.04	0.21	49.3493	6.8035	0.9	0.7	117	1.0f		31	14	084			m i sr	LDG	71222013
2007/12/22	07:36:23.70	0.47	0.39	49.3310	6.8250	7.8	4.4	036	1.0f		6	3	173	0.55	1.41	m i ki	BGR	71222003

(#PRIME)

Magnitude Err Nsta Author OrigID  
 MD 2.3 1 LDG 71222013  
 ML 2.2 0.3 13 LDG 71222013  
 ML 1.8 0.3 3 BGR 71222003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.55	307.6	Pg	07:36:34.673	0.6					T__	3.7			m_e	ML 1.4
WLF	0.55	307.6	Sg	07:36:40.872	-0.3					T__				m_e	
TNS	1.38	49.0	Pg	07:36:49.170	-0.5					T__	4.1			m_e	ML 2.1
TNS	1.38	49.0	Sg	07:37:07.788	0.4					T__				m_e	
BFO	1.41	134.7	Pg	07:36:50.036	-0.2					T__	3.6			m_e	ML 1.8
BFO	1.41	134.7	Sg	07:37:08.682	0.2					T__				m_e	

Event 71222004 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/22	11:12:41.90	0.21	0.76	51.5386	6.7969	3.6	3.6	059	1.0f		56	29	292			m i sr	LDG	71222034
2007/12/22	11:12:44.90	0.87	0.41	51.5280	6.5470				1.0f			9	274	0.30	1.41	m i ki	BNS	71222024
2007/12/22	11:12:44.64	0.74	0.44	51.4600	6.5120	11.1	4.4	119	1.0f		8	5	215	0.47	2.43	m i ki	BGR	71222014
2007/12/22	11:12:44.10			51.4220	6.5530				1.0f				279	0.09	0.45	m i ki	BUG	71222004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.3	18 LDG	71222034
ML	2.1		BNS	71222024
ML	2.2	0.2	2 BGR	71222014
ML	2.0		BUG	71222004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.09	6.9	Pg	11:12:45.300	-0.6					T__				m__	ML 1.8
BRHE	0.09	6.9	Sg	11:12:46.200	-0.9					T__				m__	
LAUG	0.25	106.1	Pg	11:12:50.380	1.5					---				m_e	
LAUG	0.25	106.1	Sg	11:12:55.110	2.9					---		97.3	0.50	m_i	
RODG	0.36	220.2	Sg	11:13:00.130	4.5					---		292.0	0.58	m_e	
BUG	0.45	87.3	Pg	11:12:53.500	1.0					TA_				m_e	ML 2.0
BUG	0.45	87.3	Sg	11:13:00.400	2.1					TA_				m__	
BNS	0.60	139.3	Pg	11:12:58.020	2.6					---				mde	
HOBG	0.66	131.6	Pg	11:12:58.850	2.4					---				m_e	
DREG	0.79	195.0	Pg	11:13:01.300	2.4					---				m_e	
DREG	0.79	195.0	Sg	11:13:14.130	5.1					---		97.4	0.36	m_e	
KLL	0.79	191.2	Pg	11:13:01.270	2.3					---				m_e	
KLL	0.79	191.2	Sg	11:13:14.260	5.1					---		38.6	0.20	m_e	
STB	0.85	167.6	Pg	11:13:03.070	3.0					---				m_e	
STB	0.85	167.6	Sg	11:13:16.580	5.5					---		56.9	0.39	m_e	
HILG	1.13	175.9	Pg	11:13:08.060	2.6					---				m_e	
HILG	1.13	175.9	Sg	11:13:24.230	4.1					---		53.3	0.40	m_e	
IBBN	1.16	39.6	Pg	11:13:06.119	0.2					---				m_e	ML 2.4
IBBN	1.16	39.6	Sg	11:13:21.344	0.5					---	4.2			m_e	
BGG	1.31	157.5	Pg	11:13:09.970	1.1					---				m_e	
BGG	1.31	157.5	Sg	11:13:29.690	3.9					---		15.1	0.49	m_e	
TNS	1.69	134.3	Pg	11:13:16.790	0.8					---				m_e	
WLF	1.78	188.4	Pg	11:13:19.245	1.7					---				m_e	
WLF	1.78	188.4	Sg	11:13:42.261	1.7					---	5.8			m_e	
CLZ	2.41	78.5	Pg	11:13:29.825	0.4					---				m_e	

Event 71222309 Stubaier Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/22	17:58:20.60	0.10	0.32	47.0658	11.2767	2.2	1.3	050	10.0f		67	28	166			m i ke	LDG	71222329
2007/12/22	17:58:19.13	0.39		47.1600	11.3460	5.6	4.4	177	10.0f		21	14	185	0.22	3.34	m i ke	BGR	71222319
2007/12/22	17:58:17.22	0.18	0.47	47.1722	11.2960	1.0	0.7	009	11.5	2.5	41	11	063			m i fe	ZAMG	71222309

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.3	27 LDG	71222329
ML	2.5		BGR	71222319
ML	2.7	0.3	16 ZAMG	71222309

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

(Felt also in Innsbruck)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.25	68.3	Pg	17:58:22.806	0.5									m_e	ML 1.8
SCE	0.31	115.2	Pg	17:58:24.100	0.7									mci	ML 2.4
SCE	0.31	115.2	Sg	17:58:28.300	0.6									mci	
OBER	0.72	289.4	Pg	17:58:31.900	1.0									mdi	ML 2.1
OBER	0.72	289.4	Sg	17:58:42.100	1.8									mdi	
DAVA	0.97	277.3	Pn	17:58:36.136	0.1									m_e	ML 2.8
DAVA	0.97	277.3	Sg	17:58:53.448	5.3									m_e	
FUR	0.99	359.2	Pn	17:58:37.518	1.2									m_e	ML 2.8
FUR	0.99	359.2	Sg	17:58:53.066	4.2									m_e	
RJOB	1.16	60.3	Pn	17:58:39.852	1.2									m_e	ML 2.4
RJOB	1.16	60.3	Pg	17:58:39.700	0.5									mci	
RJOB	1.16	60.3	Sg	17:58:57.757	3.5									m_e	
BGLD	1.26	66.9	Pg	17:58:41.600	0.6									mci	ML 2.3
KBA	1.40	93.1	Pn	17:58:43.600	1.7									m_e	ML 2.2
KBA	1.40	93.1	Sg	17:59:01.697	-0.0									m_e	
WET	2.24	27.6	Pn	17:58:55.558	2.3									m_e	ML 2.5
BFO	2.31	301.2	Pn	17:58:58.163	4.0									m_e	ML 2.5
BFO	2.31	301.2	Sg	17:59:32.162	1.6									m_e	
GEC2	2.32	43.0	Pn	17:58:57.100	2.7									m_e	ML 2.4
GEC2	2.32	43.0	Sg	17:59:32.712	1.7									m_e	
GRA1	2.52	358.9	Pg	17:59:05.454	0.7									m_e	ML 2.8
GRA1	2.52	358.9	Sg	17:59:39.196	1.8									m_e	
ROTZ	2.66	12.8	Sg	17:59:41.515	-0.4									m_e	ML 2.5
MANZ	2.86	10.5	Sg	17:59:49.553	1.3									m_e	ML 2.6
WERN	3.20	12.5	Sg	18:00:01.106	2.3									m_e	ML 2.9
GUNZ	3.26	11.7	Sg	18:00:01.475	0.5									m_e	ML 2.8
TANN	3.33	12.9	Sg	18:00:05.559	2.4									m_e	ML 2.7
MOX	3.48	3.3	Sn	17:59:52.600	4.3									m_e	
MOX	3.48	3.3	Sg	18:00:09.300	1.5									m_e	
CLL	4.28	14.4	Sg	18:00:34.000	0.7									m_e	

Event 71222005 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
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2007/12/22 21:07:58.00	0.72	0.31	49.4340	6.7940					1.4	9.7		7	313	0.85	1.59	m i ki	BNS	71222025
2007/12/22 21:07:57.00	0.04	0.38	49.3781	6.8136	0.9	0.8	165	1.0f			78	31	086			m i sr	LDG	71222015
2007/12/22 21:07:56.69	0.41	1.06	49.3740	6.8700	5.6	4.4	027	1.0f			15	10	165	0.55	3.66	m i ki	BGR	71222005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BNS	71222025
ML	3.0	0.3	31 LDG	71222015
ML	2.5	0.2	4 BGR	71222005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.55	302.2	Pg	21:08:07.203	0.2					T__				m_e	ML 2.2
WLF	0.55	302.2	Sg	21:08:13.982	-0.1					T__	3.1			m_e	
BGG	0.89	19.7	Pg	21:08:13.820	0.4					---				m_e	
HILG	0.93	352.4	Pg	21:08:14.500	0.4					---				m_e	
KOE	1.19	27.5	Pg	21:08:19.680	0.6					---				m_e	
STB	1.22	359.1	Pg	21:08:19.830	0.2					---				m_e	
STB	1.22	359.1	Sg	21:08:35.380	-0.1					---		69.5	0.53	m_e	
KLL	1.32	344.5	Pg	21:08:20.480	-1.1					---				m_e	
TNS	1.33	49.6	Pn	21:08:20.795	-0.8					---				m_e	ML 2.7
TNS	1.33	49.6	Pg	21:08:21.944	0.3					T__				m_e	
TNS	1.33	49.6	Sg	21:08:40.438	1.6					T__	3.6			m_e	
DREG	1.35	342.6	Pg	21:08:21.100	-1.1					---				m_e	
BFO	1.42	136.8	Pn	21:08:23.312	0.4					---				m_e	ML 2.5
BFO	1.42	136.8	Pg	21:08:24.083	0.7					T__				m_e	
BFO	1.42	136.8	Sg	21:08:42.696	0.9					T__	6.2			m_e	
HOBG	1.64	10.3	Pg	21:08:26.210	-1.3					---				m_e	
STU	1.64	110.7	Sg	21:08:46.780	-1.9					T__	4.3			m_e	ML 2.6
BUG	2.08	6.9	Sg	21:09:02.395	-0.4					T__	2.5			m_e	
UBBA	2.47	53.1	Sg	21:09:15.822	0.5					T__	2.1			m_e	
GRA1	2.84	81.9	Pg	21:08:50.689	0.4					T__				m_e	
GRA1	2.84	81.9	Sg	21:09:28.991	2.0					T__	3.4			m_e	
MOX	3.30	65.6	Pg	21:08:58.051	-0.9					T__				m_e	
MOX	3.30	65.6	Sg	21:09:41.955	0.3					T__	1.7			m_e	
CLZ	3.32	40.7	Pn	21:08:48.447	-0.2					T__				m_e	
WERD	3.66	70.9	Sg	21:09:51.307	-1.7					T__	2.1			m_e	
CLL	4.36	61.4	Pg	21:09:19.000	0.1					---				m_e	
CLL	4.36	61.4	Sg	21:10:17.000	1.7					---				m_e	

Event 71227004 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/27	10:32:18.90	0.08	0.18	49.3474	6.8182	1.5	0.8	054	1.0f		32	16	220			m i sr	LDG	71227014
2007/12/27	10:32:18.70	0.42	0.65	49.3450	6.7470	7.8	4.4	039	1.0f		8	4	176	0.50	4.58	m i ki	BGR	71227004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.6	0.2	3 LDG	71227014
ML	2.4	0.2	17 LDG	71227014
ML	2.0	0.3	3 BGR	71227004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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WLF	0.50	309.8	Pg	10:32:27.171	-1.0	T__	0.9										m_e	ML	1.5	
WLF	0.50	309.8	Sg	10:32:35.240	0.6	T__												m_e		
TNS	1.41	50.7	Pg	10:32:44.608	-0.6	T__	3.3											m_e	ML	2.3
TNS	1.41	50.7	Sg	10:33:03.543	0.2	T__												m_e		
BFO	1.45	133.7	Pn	10:32:45.645	0.3	T__												m_e	ML	2.1
BFO	1.45	133.7	Pg	10:32:46.539	0.4	T__	2.0											m_e		
BFO	1.45	133.7	Sg	10:33:04.282	-0.6	T__												m_e		
GEC2	4.58	93.6	Pn	10:33:28.617	0.9	T__												m_e		

Event 71227003 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/27	20:26:56.60	0.47	0.21	49.3480	6.8020	6.7	4.4	035	1.0f		6	3	172	0.53	1.43	m i ki	BGR	71227013

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	3 BGR	71227013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	0.53	307.1	Pg	20:27:06.644	0.1					T__				m_e	ML	1.6
WLF	0.53	307.1	Sg	20:27:13.360	0.0					T__	3.6			m_e		
TNS	1.38	49.9	Pg	20:27:22.222	-0.3					T__				m_e	ML	2.2
TNS	1.38	49.9	Sg	20:27:40.635	0.3					T__	2.7			m_e		
BFO	1.43	134.8	Pg	20:27:23.788	0.2					T__				m_e	ML	2.1
BFO	1.43	134.8	Sg	20:27:42.032	-0.0					T__	6.0			m_e		

Event 71228302 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/28	04:05:45.22	0.74		44.6800	10.1820	8.9	7.8	100	10.0f		25	16	311	3.55	7.16	m i ke	BGR	71228312

Magnitude	Err	Nsta	Author	OrigID
ML	4.6		BGR	71228312

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
RJOB	3.55	29.7	Pn	04:06:41.778	2.5					T__				m_e	ML	4.7
FUR	3.56	11.8	Pn	04:06:41.060	1.6					T__				m_e	ML	4.8
FUR	3.56	11.8	Sn	04:07:22.875	4.3					T__				m_e		
BFO	3.87	341.4	Pn	04:06:45.174	1.6					T__				m_e	ML	4.6
BFO	3.87	341.4	Sn	04:07:28.637	2.9					T__				m_e		
STU	4.15	351.0	Pn	04:06:48.774	1.4					T__				m_e	ML	4.8
STU	4.15	351.0	Sn	04:07:34.879	2.6					T__				m_e		
GEC2	4.81	28.8	Pn	04:06:57.023	0.7					T__				m_e	ML	4.5
GEC2	4.81	28.8	Sn	04:07:52.561	4.6					T__				m_e		
WET	4.83	21.4	Sn	04:07:51.694	3.4					T__				m_e	ML	4.5
GRA1	5.06	7.6	Pn	04:06:59.833	0.1					T__				m_e	ML	5.0
GRA1	5.06	7.6	Sn	04:07:58.372	4.6					T__				m_e		
ROTZ	5.27	14.4	Pn	04:07:02.718	0.2					T__				m_e	ML	4.4
ROTZ	5.27	14.4	Sn	04:08:01.828	3.1					T__				m_e		
MANZ	5.46	13.1	Sn	04:08:06.506	3.2					T__				m_e	ML	4.4
TNS	5.66	348.7	Pn	04:07:09.605	1.7					T__				m_e	ML	4.5







STB	1.24	357.4	Pg	02:32:38.280	-1.9															m_e		
TNS	1.31	47.9	Pg	02:32:41.040	-0.5															T	m_e ML	2.5
TNS	1.31	47.9	Sg	02:32:58.631	0.2															T	m_e	
BFO	1.38	137.5	Pg	02:32:42.719	-0.1															T	m_e ML	2.2
BFO	1.38	137.5	Sg	02:33:00.591	-0.1															T	m_e	
DREG	1.38	341.4	Pg	02:32:39.920	-3.0																m_e	
STU	1.59	110.6	Sg	02:33:04.535	-3.0																m_e ML	2.2
HOBG	1.65	8.9	Pg	02:32:45.110	-2.8																m_e	
BUG	2.10	5.8	Sg	02:33:21.734	-1.7																m_e	
GEC2	4.46	94.0	Pn	02:33:25.010	0.7																T	m_e

Event 71229002 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/29	22:24:50.30	0.38	0.11	49.3970	6.8520				1.0f			4	324	0.87	1.20	m i ki	BNS	71229022
2007/12/29	22:24:49.80	0.07	0.78	49.3741	6.8399	1.7	1.3	108	1.0f		31	13	053			m i sr	LDG	71229012
2007/12/29	22:24:50.08	1.25	0.77	49.3650	6.8270	20.0	8.9	092	1.0f		5	3	274	1.35	4.53	m i ki	BGR	71229002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		BNS	71229022
ML	2.7	0.2	11 LDG	71229012
ML	2.2	0.2	2 BGR	71229002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BGG	0.90	21.2	Pg	22:25:06.880	-0.2										m_e	
HILG	0.93	354.2	Pg	22:25:07.350	-0.3										m_e	
KOE	1.21	28.5	Pg	22:25:11.980	-0.9										m_e	
STB	1.23	0.4	Pg	22:25:12.690	-0.6										m_e	
STB	1.23	0.4	Sg	22:25:28.820	-0.3							13.0	0.19		m_e	
TNS	1.35	50.0	Pn	22:25:14.313	-1.1										m_e ML	2.4
TNS	1.35	50.0	Sg	22:25:33.289	0.2										m_e	
BFO	1.43	135.7	Pn	22:25:16.796	0.4										m_e ML	2.1
BFO	1.43	135.7	Sg	22:25:35.169	-0.4										m_e	
GEC2	4.53	94.0	Pn	22:25:59.611	1.2										m_e	

Event 71230002 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/12/30	22:37:08.70	0.92	0.41	49.4060	6.8730				1.0f			5	314	0.85	1.32	m i ki	BNS	71230022
2007/12/30	22:37:07.90	0.06	0.56	49.3723	6.7745	1.4	1.2	097	1.0f		31	14	060			m i sr	LDG	71230012
2007/12/30	22:37:08.42	1.25	0.68	49.3600	6.8360	20.0	7.8	092	1.0f		5	3	274	1.35	4.52	m i ki	BGR	71230002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		BNS	71230022
ML	2.6	0.2	9 LDG	71230012
ML	2.2	0.1	2 BGR	71230002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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