

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 90704003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/04	23:24:27.62	0.43	0.69	51.5350	16.1050	5.6	2.2	019	1.0f		24	14	201	0.70	3.60	m i ki	BGR	90704003

Magnitude	Err	Nsta	Author	OrigID
ML	3.7	0.4	14 BGR	90704003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.70	170.2	Pg	23:24:41.209	0.4					T__				m_e ML	3.0
KSP	0.70	170.2	Sg	23:24:50.731	0.8					T__				m_e	
DPC	1.19	173.3	Pg	23:24:50.016	-0.1					T__				m_e ML	3.5
DPC	1.19	173.3	Sg	23:25:05.897	0.4					T__				m_e	
FBE	1.83	251.5	Pn	23:24:59.056	-0.3					T__				m_e ML	2.9
FBE	1.83	251.5	Sg	23:25:26.033	0.3					T__				m_e	
CLL	1.95	264.5	Pn	23:25:00.093	-0.9					T__				m_e ML	3.6
CLL	1.95	264.5	Sg	23:25:29.554	0.1					T__				m_e	
MORC	1.98	152.0	Pn	23:25:01.070	-0.3					T__				m_e ML	3.1
MORC	1.98	152.0	Sg	23:25:30.610	0.1					T__				m_e	
OKC	2.13	141.9	Pn	23:25:03.499	-0.0					T__				m_e ML	3.6
OKC	2.13	141.9	Sg	23:25:35.302	-0.1					T__				m_e	
WERD	2.63	247.0	Pn	23:25:10.419	0.2					T__				m_e ML	3.7
WERD	2.63	247.0	Sg	23:25:50.473	-0.6					T__				m_e	
OJC	2.68	118.0	Pn	23:25:09.572	-1.3					T__				m_e ML	3.7
OJC	2.68	118.0	Sg	23:25:52.203	-0.4					T__				m_e	
MOX	2.96	254.2	Pn	23:25:14.614	-0.0					T__				m_e ML	4.3
MOX	2.96	254.2	Sg	23:26:02.220	0.7					T__				m_e	
ROTZ	3.04	235.9	Pn	23:25:16.358	0.6					T__				m_e ML	3.8
ROTZ	3.04	235.9	Sg	23:26:02.414	-1.7					T__				m_e	
GEC2	3.10	210.7	Pn	23:25:17.088	0.5					T__				m_e ML	3.9
WET	3.16	222.0	Pn	23:25:17.990	0.6					T__				m_e ML	3.8
CLZ	3.57	277.2	Pn	23:25:23.832	0.9					T__				m_e ML	3.9
GRA1	3.60	241.2	Pn	23:25:24.182	0.7					T__				m_e ML	4.6

Event 90706002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/06	11:42:20.81	0.42	1.00	51.4800	16.1150	6.7	3.3	014	1.0f		20	12	199	0.65	3.58	m i ki	BGR	90706002

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.4	12 BGR	90706002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	170.0	Pg	11:42:32.737	-0.3					T__				m_e ML	2.6
DPC	1.14	173.3	Pg	11:42:41.539	-0.7					T__				m_e ML	3.3
DPC	1.14	173.3	Sg	11:42:58.647	1.7					T__				m_e	
FBE	1.82	253.2	Pn	11:42:53.882	1.5					T__				m_e ML	2.3
FBE	1.82	253.2	Sg	11:43:18.235	-0.3					T__				m_e	
CLL	1.95	266.1	Pn	11:42:52.698	-1.5					T__				m_e ML	3.2
CLL	1.95	266.1	Sg	11:43:22.559	-0.2					T__				m_e	

OKC	2.09	141.1	Pn	11:42:53.945	-2.1	T__	m_e	ML	3.3
WERD	2.61	248.2	Pn	11:43:03.013	-0.2	T__	m_e	ML	3.3
OJC	2.64	117.0	Pn	11:43:03.784	0.2	T__	m_e	ML	3.5
OJC	2.64	117.0	Sg	11:43:45.705	0.9	T__	m_e		
MOX	2.95	255.3	Pn	11:43:07.955	0.2	T__	m_e	ML	3.6
MOX	2.95	255.3	Sg	11:43:56.095	1.6	T__	m_e		
ROTZ	3.01	236.9	Pn	11:43:08.760	0.1	T__	m_e	ML	3.3
ROTZ	3.01	236.9	Sg	11:43:56.499	-0.0	T__	m_e		
GEC2	3.05	211.3	Pn	11:43:09.967	0.8	T__	m_e	ML	3.4
GEC2	3.05	211.3	Sg	11:43:56.095	-1.8	T__	m_e		
CLZ	3.58	278.0	Pn	11:43:16.237	-0.1	T__	m_e	ML	3.5
CLZ	3.58	278.0	Sg	11:44:14.969	0.4	T__	m_e		
GRA1	3.58	242.0	Sg	11:44:15.567	0.9	T__	m_e	ML	3.9

Event 90709008 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/09	14:38:53.60	0.61	0.31	51.5530	6.5810				1.0f			7	298	0.30	1.43	m i ki	BNS	90709028
2009/07/09	14:38:54.55	0.72	0.88	51.5150	6.6100	10.0	4.4	112	1.0f		11	6	212	0.42	2.36	m i ki	BGR	90709018
2009/07/09	14:38:53.60			51.5330	6.6010				1.0f				235	0.03	0.43	m i ki	BUG	90709008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	90709028
ML	2.3	0.2	6 BGR	90709018
ML	2.0		BUG	90709008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.03	226.8	Pg	14:38:54.400	0.3					T__				m__	ML	1.4
BRHE	0.03	226.8	Sg	14:38:55.700	1.2					T__				m__		
LAUG	0.28	130.3	Pg	14:38:59.890	1.0									m_e		
LAUG	0.28	130.3	Sg	14:39:03.870	1.3							105.9	0.38	m_e		
BUG	0.43	102.3	Pg	14:39:02.700	1.1					TA__				m_e	ML	2.0
BUG	0.43	102.3	Sg	14:39:09.200	2.1					TA__				m__		
BNS	0.67	147.5	Pg	14:39:06.060	-0.2									m_e		
BNS	0.67	147.5	Sg	14:39:16.710	1.7									m_e		
DREG	0.90	195.0	Pg	14:39:10.860	0.3									m_e		
DREG	0.90	195.0	Sg	14:39:23.950	1.7							75.0	0.44	m_e		
KLL	0.90	191.7	Pg	14:39:10.920	0.3									m_e		
KLL	0.90	191.7	Sg	14:39:24.350	2.0							91.1	0.44	m_e		
STB	0.95	170.8	Pg	14:39:12.020	0.5									m_e		
STB	0.95	170.8	Sg	14:39:24.980	1.2							77.4	0.37	m_e		
AHRW	1.04	163.1	Pg	14:39:14.526	1.4									m_e	ML	2.2
AHRW	1.04	163.1	Sg	14:39:28.580	2.1									m_e		
IBBN	1.05	42.3	Pg	14:39:14.646	1.2									m_e	ML	2.4
IBBN	1.05	42.3	Sg	14:39:28.530	1.5									m_e		
HILG	1.24	177.7	Pg	14:39:16.630	-0.4									m_e		
HILG	1.24	177.7	Sg	14:39:33.970	0.9									m_e		
BGG	1.41	160.4	Pg	14:39:18.800	-1.3									m_e		
BGG	1.41	160.4	Sg	14:39:37.630	-0.6							17.9	0.33	m_e		
TNS	1.75	137.6	Pg	14:39:27.322	0.7									m_e	ML	2.2
TNS	1.75	137.6	Sg	14:39:48.721	-0.6									m_e		

WLF	1.89	188.8	Sg	14:39:52.661	-1.0	---	m_e	ML	2.5
CLZ	2.36	81.0	Pg	14:39:39.108	1.1	---	m_e	ML	2.5
CLZ	2.36	81.0	Sg	14:40:08.578	0.1	---	m_e		

Event 90711006 Wiesbaden/Taunus

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/11	21:55:20.20	0.11	0.24	49.9506	8.0670	2.0	1.4	032	4.0f		31	15	210			m i ke	LDG	90711036
2009/07/11	21:55:19.80	0.32	0.01	50.0870	8.1330				7.0	3.8		3	328			m i ke	GDNRW	90711026
2009/07/11	21:55:18.25	0.41	0.29	50.0570	8.2410	5.6	3.3	168	10.0f		10	6	160	0.21	2.57	m i ke	BGR	90711016
2009/07/11	21:55:18.10	0.20	0.29	50.1300	8.1700	5.0	2.0	332	10.0f		14	7	172	0.20	1.80	m i ke	LED	90711006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.5	0.2	3 LDG	90711036
ML	2.2	0.3	17 LDG	90711036
ML	1.6		GDNRW	90711026
ML	1.6	0.3	4 BGR	90711016
ML	1.6	0.2	3 LED	90711006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	0.20	62.4	P*	21:55:22.450						T_				mci	ML 2.0
TNS	0.20	62.4	S*	21:55:25.340						T_				m_i	
ABH	0.47	238.4	P*	21:55:27.080						T_				m_	
ABH	0.47	238.4	S*	21:55:33.310						T_				m_	
TOD	0.66	141.8	P*	21:55:31.160						T_				m_	
TOD	0.66	141.8	PmP	21:55:31.750	-1.5					T_				m_	
TOD	0.66	141.8	S*	21:55:40.280						T_				m_	
BHE	0.67	289.8	Pg	21:55:32.647	1.8					---				m_e	
BHE	0.67	289.8	Sg	21:55:41.556	1.9					---		41.5	0.05	m_e	
AHRW	0.81	300.9	Pg	21:55:35.514	2.1					---				m_e	ML 1.4
AHRW	0.81	300.9	Sg	21:55:47.098	3.1					---				m_e	
RUP	0.83	239.5	P*	21:55:33.810						T_				m_	
RUP	0.83	239.5	PmP	21:55:35.470	-0.5					T_				m_	
WBS	0.88	320.5	Pg	21:55:36.896	2.1					---				m_e	
WBS	0.88	320.5	Sg	21:55:49.007	2.8					---		14.6	0.14	m_e	
LANF	1.17	191.8	P	21:55:38.960						T_				m_	
OLF	1.18	288.7	Sg	21:55:57.128	1.6					---				m_e	
UBBA	1.35	58.7	Sg	21:56:01.463	0.3					---				m_e	ML 1.6
WLF	1.38	251.1	P	21:55:43.140						---				m_	ML 1.5
WLF	1.38	251.1	Pg	21:55:44.030	-0.1					T_				m_	
WLF	1.38	251.1	Sg	21:56:02.490	0.4					T_				m_	
BUG	1.43	336.9	Sg	21:56:06.163	2.6					---				m_e	ML 2.1
BFO	1.80	176.6	P	21:55:47.550						T_				m_	ML 1.6
BFO	1.80	176.6	S	21:56:09.150						T_				m_	
ROTZ	2.62	96.4	Sg	21:56:40.451	-1.0					---				m_e	

Event 90712002 Glarus, Walenstadt/CH, Walensee

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
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2009/07/12	04:42:39.50	0.09	0.51	47.1574	9.3706	1.7	1.5	083	4.0f		62	19	051											m i ke	LDG	90712032
2009/07/12	04:42:38.13	0.25	0.26	47.1949	9.3159	1.6	1.1	114	9.5	0.9	27	5	103											m i uk	ZAMG	90712022
2009/07/12	04:42:38.30			47.1900	9.3500				-1.0															m i uk	SED	90712012
2009/07/12	04:42:39.77	1.00	0.67	47.1730	9.2820	13.3	4.4	028	10.0f		8	5	245	0.42	1.67									m i ke	BGR	90712002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.2	22 LDG	90712032
ML	2.4	0.3	8 ZAMG	90712022
ML	1.8		SED	90712012
ML	2.0	0.2	5 BGR	90712002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.42	74.1	Pg	04:42:46.868	-1.0					T__				m_e	ML 1.6
DAVA	0.42	74.1	Sg	04:42:53.577	0.1					T__				m_e	
BFO	1.32	331.4	Pg	04:43:04.975	0.2					T__				m_e	ML 1.9
BFO	1.32	331.4	Sg	04:43:22.152	0.3					T__				m_e	
STU	1.60	357.9	Sg	04:43:30.874	0.2					T__				m_e	ML 2.2
WTTA	1.60	85.9	Pg	04:43:09.611	-0.4					T__				m_e	ML 2.1
WTTA	1.60	85.9	Sg	04:43:32.149	1.4					T__				m_e	
FUR	1.67	52.9	Sg	04:43:33.582	0.8					T__				m_e	ML 2.3

Event 90712004 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/07/12	08:18:23.30	0.18	0.21	51.6429	6.5057	3.3	1.7	003	2.0	0.0	14	5	270				m i ke	LDG	90712034
2009/07/12	08:18:25.40	0.69	0.31	51.5460	6.5710				1.0f			5	296	0.30	1.42		m i ki	BNS	90712024
2009/07/12	08:18:25.85	0.70	0.57	51.5070	6.4970	8.9	3.3	119	1.0f		11	6	217	0.49	2.43		m i ki	BGR	90712014
2009/07/12	08:18:24.50			51.5630	6.5590				1.0f				294	0.05	0.46		m i ki	BUG	90712004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.3	6 LDG	90712034
ML	1.8		BNS	90712024
ML	2.1	0.2	5 BGR	90712014
ML	1.9		BUG	90712004

Effects	Loctyp	Location	Intensity	Scale	Author
<u>F</u>	<u>Summar</u>		3.0-	4.0 EMS	BNS

(Felt in Rheinberg)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.05	171.0	Pg	08:18:26.100	0.7					T__				m__	ML 1.3
BRHE	0.05	171.0	Sg	08:18:27.600	1.5					T__				m__	
LAUG	0.32	131.3	Pg	08:18:31.150	0.6					___				m_e	
BUG	0.46	105.2	Pg	08:18:34.100	1.0					TA_				m_e	ML 1.9
BUG	0.46	105.2	Sg	08:18:41.100	2.0					TA_				m__	
DREG	0.92	192.9	Pg	08:18:42.490	0.6					___				m_e	
KLL	0.93	189.7	Pg	08:18:42.570	0.6					___				m_e	
STB	0.98	169.6	Pg	08:18:44.030	1.0					___				m_e	
STB	0.98	169.6	Sg	08:18:57.200	1.4					___		27.0	0.70	m_e	
IBBN	1.05	44.4	Pg	08:18:46.706	2.4					___				m_e	ML 2.2

IBBN	1.05	44.4	Sg	08:19:01.891	4.1	---	m_e		
AHRW	1.07	162.2	Pg	08:18:46.092	1.4	---	m_e ML	1.8	
AHRW	1.07	162.2	Sg	08:18:59.461	0.9	---	m_e		
HILG	1.27	176.6	Pg	08:18:48.860	0.4	---	m_e		
BGG	1.44	159.8	Pg	08:18:51.500	-0.2	---	m_e		
TNS	1.79	137.6	Pn	08:18:57.267	1.5	---	m_e		
TNS	1.79	137.6	Pg	08:18:58.643	0.3	---	m_e		
WLF	1.92	187.9	Pg	08:19:00.989	0.4	---	m_e ML	2.3	
WLF	1.92	187.9	Sg	08:19:24.131	-1.2	---	m_e		
CLZ	2.38	81.8	Sg	08:19:42.971	2.9	---	m_e ML	2.2	

Event 90715006 Bad Reichenhall, SW of Salzburg/A, Austrian-German border

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/15	21:27:43.12	0.16	0.48	47.7620	12.8181	1.3	1.1	004	0.7	2.0	27	8	045			m i uk	ZAMG	90715016
2009/07/15	21:27:45.50	0.29	0.90	47.7670	12.8610	4.4	3.3	065	0.0f		21	14	104	0.05	3.80	m i ke	BGR	90715006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	8 ZAMG	90715016
ML	2.1	0.3	12 BGR	90715006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.05	235.8	Pg	21:27:43.944	-2.6					---				m_e	
RJOB	0.05	235.8	Sg	21:27:45.151	-2.0					---				m_e	
KBA	0.76	154.4	Sg	21:28:10.630	0.9					T_				m_e ML	1.4
MOA	0.95	84.5	Pg	21:28:03.686	0.3					T_				m_e ML	1.6
FUR	1.13	291.0	Pg	21:28:07.587	0.7					T_				m_e ML	2.3
FUR	1.13	291.0	Sg	21:28:23.388	1.9					T_				m_e	
GEC2	1.21	27.1	Pn	21:28:07.661	-1.4					T_				m_e ML	1.9
GEC2	1.21	27.1	Sg	21:28:26.610	2.5					T_				m_e	
WET	1.38	0.5	Pn	21:28:09.225	-2.0					T_				m_e ML	2.1
WET	1.38	0.5	Sg	21:28:29.594	0.3					T_				m_e	
GRB5	1.56	330.2	Pn	21:28:14.267	0.6					T_				m_e ML	2.3
GRB5	1.56	330.2	Sg	21:28:35.955	1.0					T_				m_e	
GRC4	1.59	326.6	Pn	21:28:14.734	0.6					T_				m_e ML	2.2
GRC4	1.59	326.6	Sg	21:28:37.250	1.2					T_				m_e	
GRB2	1.70	332.8	Pg	21:28:19.221	1.7					T_				m_e ML	2.3
GRB2	1.70	332.8	Sg	21:28:40.204	0.8					T_				m_e	
OBKA	1.70	137.0	Pn	21:28:16.547	0.9					T_				m_e	
GRB3	1.72	336.5	Pn	21:28:14.541	-1.4					T_				m_e ML	2.4
DAVA	2.07	257.7	Pg	21:28:23.568	-0.9					T_				m_e ML	2.3
DAVA	2.07	257.7	Sg	21:28:52.639	1.4					T_				m_e	
GRA1	2.21	331.3	Pg	21:28:27.647	0.5					T_				m_e ML	2.5
TANN	2.66	354.5	Sg	21:29:12.038	2.0					T_				m_e ML	2.3
CLL	3.54	1.4	Pg	21:28:53.800	1.5					---				m_i	
CLL	3.54	1.4	Sg	21:29:38.000	-0.0					---				m_e	
TNS	3.80	311.9	Pn	21:28:44.129	0.1					T_				m_e	

Event 90717005 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/17	07:49:19.20	0.04	0.21	48.3276	6.6953	0.7	0.6	121	15.0	0.0	56	25	090			m i ke	LDG	90717015
2009/07/17	07:49:19.04	0.99	0.74	48.3430	6.6440	11.1	4.4	054	10.0f		10	8	236	0.37	3.29	m i ke	BGR	90717005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.1	3 LDG	90717015
ML	3.0	0.3	22 LDG	90717015
ML	2.6	0.3	7 BGR	90717005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.37	110.2	Pg	07:49:26.395	0.3					T__				m_e	
ECH	0.37	110.2	Sg	07:49:30.995	0.0					T__				m_e	
BFO	1.12	90.0	Pg	07:49:39.159	-1.1					T__				m_e ML	2.4
BFO	1.12	90.0	Sg	07:49:54.747	-0.0					T__				m_e	
WLF	1.36	346.5	Sg	07:50:03.453	1.1					T__				m_e ML	2.2
STU	1.74	74.8	Sg	07:50:15.128	0.7					T__				m_e ML	2.6
AHRW	2.22	7.1	Sg	07:50:29.116	-0.4					T__				m_e ML	2.4
TNS	2.22	31.4	Sg	07:50:28.911	-0.6					T__				m_e ML	2.9
OBER	2.62	109.6	Sg	07:50:43.626	1.3					T__				m_e ML	2.6
GRA1	3.29	64.1	Sg	07:51:04.279	0.7					T__				m_e ML	3.0

Event 90718003 Aschersleben, Hettstedt

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/18	02:40:41.45	0.32	0.57	51.7950	11.3570	3.3	3.3	157	0.0f		11	9	077	0.15	1.29	m i ke	BGR	90718013

(Hangrutschung bei Nachterstedt (ehemaliges Braunkohlenabbaugebiet))

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	7 BGR	90718013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
STF1	0.15	68.3	Pg	02:40:44.679	0.4					T__				m_e	
STF1	0.15	68.3	Sg	02:40:46.698	0.5					T__				m_e	
STF2	0.15	67.2	Sg	02:40:46.624	0.4					T__				m_e	
WIMM	0.29	161.4	Pg	02:40:47.702	0.8					T__				m_e ML	1.6
WIMM	0.29	161.4	Sg	02:40:51.590	1.0					T__				m_e	
FLT1	0.54	352.2	Sg	02:40:59.292	0.7					T__				m_e ML	1.6
CLZ	0.61	274.8	Sg	02:41:03.165	2.3					T__				m_e ML	1.8
GTTG	0.90	254.4	Sg	02:41:11.313	1.3					T__				m_e ML	2.0
CLL	1.13	114.8	Sg	02:41:18.498	1.0					T__				m_e ML	1.8
MOX	1.16	171.9	Sg	02:41:20.194	1.8					T__				m_e ML	1.7
UBBA	1.29	221.5	Sg	02:41:23.345	0.8					T__				m_e ML	1.7

Event 90719005 Eastern Lungau/A, Mur Valley

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/19	05:07:57.02	0.16	0.38	47.1084	13.7648	1.5	1.0	043	9.2	2.5	22	6	059			m i uk	ZAMG	90719015
2009/07/19	05:07:57.95	0.29	0.63	47.0990	13.7810	4.4	2.2	018	10.0f		17	10	128	0.30	3.10	m i ke	BGR	90719005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.1	7 ZAMG	90719015
ML	2.0	0.4	8 BGR	90719005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.30	266.2	Pg	05:08:03.455	-0.4					T__				m_e	ML 1.6
KBA	0.30	266.2	Sg	05:08:07.157	-0.7					T__				m_e	
OBKA	0.79	138.0	Pg	05:08:13.355	0.4					T__				m_e	ML 1.9
OBKA	0.79	138.0	Sg	05:08:23.297	0.1					T__				m_e	
RJOB	0.92	314.1	Pg	05:08:16.251	0.8					T__				m_e	ML 1.7
RJOB	0.92	314.1	Sg	05:08:27.881	0.5					T__				m_e	
ARSA	1.19	82.1	Pg	05:08:20.000	-0.5					T__				m_e	ML 1.2
ARSA	1.19	82.1	Sg	05:08:36.497	0.5					T__				m_e	
WTTA	1.47	277.2	Sg	05:08:46.180	1.5					T__				m_e	ML 1.9
GEC2	1.75	358.3	Pg	05:08:30.506	-0.4					T__				m_e	
GEC2	1.75	358.3	Sg	05:08:53.691	0.2					T__				m_e	
FUR	2.00	303.1	Sg	05:09:01.796	0.4					T__				m_e	ML 2.5
OBER	2.39	278.7	Pg	05:08:42.589	-0.4					T__				m_e	ML 2.3
OBER	2.39	278.7	Sg	05:09:14.184	0.4					T__				m_e	
DAVA	2.66	275.5	Pg	05:08:47.177	-0.9					T__				m_e	ML 2.4
DAVA	2.66	275.5	Sg	05:09:22.612	0.2					T__				m_e	
GRA1	3.10	327.7	Sg	05:09:35.607	-0.9					T__				m_e	

Event 90721001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/21	06:05:22.80			51.2810	15.9340				5.0f							m i uk	NEIC	90721011
2009/07/21	06:05:19.63	1.50	0.56	51.5850	16.2940	23.3	10.0	030	1.0f		6	4	286	0.74	1.96	m i ki	BGR	90721001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		NEIC	90721011
ML	3.9	0.1	4 BGR	90721001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.74	180.0	Pn	06:05:34.689	-1.9					T__				m_e	ML 3.7
DPC	1.23	179.2	Pn	06:05:43.490	0.2					T__				m_e	ML 4.0
BRG	1.64	245.1	Pn	06:05:49.351	0.6					T__				m_e	ML 4.0
BRG	1.64	245.1	Sn	06:06:10.444	1.0					T__				m_e	
FBE	1.96	251.3	Pn	06:05:53.944	0.8					T__				m_e	ML 3.9
FBE	1.96	251.3	Sn	06:06:20.035	3.1					T__				m_e	
CLL	2.07	263.6	Pn	06:05:56.000	1.4					---				m_e	ML 3.7
CLL	2.07	263.6	Pg	06:05:58.000	-0.6					---				m_e	
CLL	2.07	263.6	Sg	06:06:24.400	-1.0					---				m_i	

Event 90722004 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
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------

2009/07/22 21:44:12.70 0.55 0.21 51.6140 7.6360 1.0f 9 298 0.50 1.45 m i ki BNS 90722024
 2009/07/22 21:44:11.19 0.46 0.44 51.5890 7.7750 7.8 4.4 098 1.0f 7 4 163 0.35 1.43 m i ki BGR 90722014
 2009/07/22 21:44:11.00 51.6050 7.7020 1.0f 209 0.15 0.32 m i ki BUG 90722004
 (#PRIME)

Magnitude Err Nsta Author OrigID
 ML 1.8 BNS 90722024
 ML 2.0 0.1 3 BGR 90722014
 ML 1.8 BUG 90722004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.15	29.3	Pg	21:44:14.800	0.9					T__				m_e	ML 1.4
BAHL	0.15	29.3	Sg	21:44:17.500	1.7					T__				m_e	
BUG	0.32	238.8	Pg	21:44:17.900	1.0					TA_				m_e	ML 1.8
BUG	0.32	238.8	Sg	21:44:23.000	2.0					TA_				m_e	
LAUG	0.54	242.0	Pg	21:44:22.630	1.5					---				m_e	
LAUG	0.54	242.0	Sg	21:44:29.550	1.5					---		37.2	0.43	m_e	
HOBG	0.66	200.5	Pg	21:44:24.950	1.5					---				m_e	
HOBG	0.66	200.5	Sg	21:44:34.790	2.7					---				m_e	
IBBN	0.70	2.8	Pg	21:44:25.533	1.3					---				m_e	ML 2.0
IBBN	0.70	2.8	Sg	21:44:35.115	1.8					---				m_e	
BNS	0.72	207.4	Pg	21:44:26.250	1.7					---				m_e	
AHRW	1.13	200.5	Pg	21:44:33.892	1.5					---				m_e	ML 2.0
AHRW	1.13	200.5	Sg	21:44:48.789	1.8					---				m_e	
STB	1.15	208.5	Pg	21:44:34.150	1.5					---				m_e	
STB	1.15	208.5	Sg	21:44:49.400	2.0					---		32.4	0.46	m_e	
KOE	1.18	179.1	Pg	21:44:34.760	1.5					---				m_e	
KOE	1.18	179.1	Sg	21:44:50.860	2.4					---				m_e	
KLL	1.30	222.9	Pg	21:44:35.860	0.4					---				m_e	
DREG	1.32	225.0	Pg	21:44:36.180	0.3					---				m_e	
BGG	1.42	189.5	Pg	21:44:38.230	0.5					---				m_e	
BGG	1.42	189.5	Sg	21:44:56.680	0.6					---				m_e	
TNS	1.46	160.9	Sg	21:44:57.702	0.3					---				m_e	
HILG	1.46	206.5	Pg	21:44:38.700	0.1					---				m_e	
HILG	1.46	206.5	Sg	21:44:58.200	0.7					---				m_e	

Event 90723005 St. Die/F, NW Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/23	09:57:11.30	0.04	0.35	48.3314	6.6623	0.8	0.6	167	13.1	0.5	55	25	044			m i ke	LDG	90723015
2009/07/23	09:57:11.53	0.70	0.74	48.3960	6.7320	7.8	3.3	049	10.0f		12	8	221	0.34	3.22	m i ke	BGR	90723005

(#PRIME)

Magnitude Err Nsta Author OrigID
 MD 3.0 0.1 3 LDG 90723015
 ML 2.9 0.3 23 LDG 90723015
 ML 2.5 0.3 6 BGR 90723005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.34	122.3	Pg	09:57:18.404	0.3					T__				m_e	
ECH	0.34	122.3	Sg	09:57:22.904	0.3					T__				m_e	
BFO	1.06	93.0	Pg	09:57:31.333	-0.3					T__				m_e	ML 2.3

BFO	1.06	93.0	Sg	09:57:44.831	-0.6	T__	m_e												
WLF	1.32	343.5	Pg	09:57:35.819	-0.7	T__	m_e ML												2.3
WLF	1.32	343.5	Sg	09:57:54.462	0.8	T__	m_e												
STU	1.67	76.1	Sg	09:58:05.784	1.1	T__	m_e ML												2.7
TNS	2.14	30.8	Pg	09:57:52.146	0.2	T__	m_e ML												2.4
TNS	2.14	30.8	Sg	09:58:20.750	1.1	T__	m_e												
AHRW	2.16	5.8	Sg	09:58:19.043	-1.1	T__	m_e ML												2.3
FUR	3.03	92.7	Sg	09:58:48.090	0.2	T__	m_e												
GRA1	3.22	64.5	Sg	09:58:52.807	-0.9	T__	m_e ML												3.0

Event 90723006 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/23	14:31:59.50	0.04	0.26	48.3338	6.6692	0.9	0.7	177	12.0f		27	11	080			m i ke	LDG	90723016
2009/07/23	14:31:59.64	1.45	0.26	48.3480	6.6540	22.2	5.6	046	10.0f		5	3	235	0.36	1.36	m i ke	BGR	90723006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.6	0.1	3 LDG	90723016
ML	2.5	0.1	9 LDG	90723016
ML	1.7	0.0	2 BGR	90723006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.36	111.3	Pg	14:32:06.591	-0.1					T__					m_e
ECH	0.36	111.3	Sg	14:32:11.190	-0.3					T__					m_e
BFO	1.11	90.3	Pg	14:32:21.212	0.5					T__					m_e ML 1.7
BFO	1.11	90.3	Sg	14:32:35.200	0.1					T__					m_e
WLF	1.36	346.2	Sg	14:32:42.705	-0.1					T__					m_e ML 1.7

Event 90723001 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/07/23	14:42:58.00	0.83	0.41	51.5900	6.7960				1.0f					6	310	0.26	1.31	m i ki BNS	90723031
2009/07/23	14:42:57.40	0.56	0.21	51.5990	6.8150				1.0f					8	271		m i ki	GDNRW	90723021
2009/07/23	14:42:57.40	0.46	0.59	51.5800	6.7450	6.7	3.3	093	1.0f		9	6	174	0.35	1.95	m i ki	BGR	90723011	
2009/07/23	14:42:57.90			51.5870	6.8580				1.0f								m i ki	BUG	90723001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BNS	90723031
ML	2.0		GDNRW	90723021
ML	2.5	0.1	5 BGR	90723011
ML	2.2		BUG	90723001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.24	167.2	Pg	14:43:02.690	0.2					___					m_e
BUG	0.29	119.6	Pg	14:43:04.500	1.0					TA_					m_e ML 2.2
BUG	0.29	119.6	Sg	14:43:09.300	2.0					TA_					m_
WTSB	0.38	354.5	Pg	14:43:05.035	-0.0					___					m_e
WTSB	0.38	354.5	Sg	14:43:10.921	0.9					___					m_e

ENT	0.49	134.9	Pg	14:43:07.665	0.6	---														m_e			
ENT	0.49	134.9	Sg	14:43:15.160	1.8	---															m_e		
PLH	0.58	182.4	Pg	14:43:08.936	0.0	---															m_e		
PLH	0.58	182.4	Sg	14:43:17.447	1.0	---															m_e		
HOBG	0.67	153.6	Pg	14:43:11.110	0.5	---															m_e		
SOR	0.73	108.5	Pg	14:43:12.250	0.5	---															m_e		
SOR	0.73	108.5	Sg	14:43:23.067	1.9	---															m_e		
WBS	0.83	161.0	Pg	14:43:13.846	0.4	---															m_e		
WBS	0.83	161.0	Sg	14:43:25.236	1.1	---															m_e		
GSH	0.90	199.6	Pg	14:43:15.333	0.4	---															m_e		
GSH	0.90	199.6	Sg	14:43:27.352	0.8	---															m_e		
IBBN	0.91	37.3	Sg	14:43:28.870	2.1	---															m_e	ML	2.7
STB	0.99	180.7	Pg	14:43:17.290	0.7	---															m_e		
STB	0.99	180.7	Sg	14:43:30.970	1.5	---															m_e		
KLL	1.00	200.3	Pg	14:43:16.630	-0.1	---															m_e		
DREG	1.00	203.2	Pg	14:43:16.900	0.1	---															m_e		
TDN	1.01	176.9	Sg	14:43:31.302	1.2	---															m_e		
AHRW	1.05	172.5	Pg	14:43:18.491	0.7	---															m_e	ML	2.5
AHRW	1.05	172.5	Sg	14:43:33.462	2.0	---															m_e		
OLF	1.13	194.3	Pg	14:43:19.342	0.2	---															m_e		
OLF	1.13	194.3	Sg	14:43:34.416	0.7	---															m_e		
KOE	1.29	154.3	Pg	14:43:22.550	0.4	---															m_e		
TNS	1.69	143.1	Pg	14:43:29.884	0.1	---															m_e	ML	2.4
WLF	1.97	193.4	Sg	14:43:59.410	-1.2	---															m_e	ML	2.6

Event 90723003 Dueren

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/07/23	19:55:13.30	0.07	0.63	50.9439	6.5098	1.5	1.2	114	6.0f		62	25	076				m i ke	LDG	90723033
2009/07/23	19:55:12.75	0.47	0.35	50.9350	6.4670	6.7	3.3	097	10.0f		11	6	182	0.55	1.59		m i ke	BGR	90723023
2009/07/23	19:55:12.40	0.68	0.21	50.9300	6.4690				5.7	29.7		10	115				m i ki	GDNRW	90723013
2009/07/23	19:55:12.60	1.17	0.41	50.9330	6.4700				6.2	4.8		23	111	0.01	0.95		m i ke	BNS	90723003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.2	0.2	3 LDG	90723033
ML	3.1	0.3	29 LDG	90723033
ML	2.6	0.3	5 BGR	90723023
ML	2.1		GDNRW	90723013
ML	2.3		BNS	90723003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BD05	0.01	66.6	Pg	19:55:13.090	-0.6					T__					mce
BD05	0.01	66.6	Sg	19:55:14.050	-0.3					T__					m_e
BD08	0.05	157.7	Pg	19:55:13.900	-0.1					T__					m_e
BD08	0.05	157.7	Sg	19:55:15.520	0.5					T__					m_i
BD03	0.08	43.0	Pg	19:55:14.420	-0.0					T__					mce
BD04	0.08	102.4	Pg	19:55:14.740	0.3					T__					m_e
BD04	0.08	102.4	Sg	19:55:16.980	1.2					T__					m_e
JCK	0.10	346.4	Pg	19:55:14.715	-0.1					---					m_e
JCK	0.10	346.4	Sg	19:55:16.545	0.2					---					m_e
BD01	0.11	75.8	Pg	19:55:15.190	0.3					T__		3526.8	0.17		m_e

BA05	0.12	97.2	Pg	19:55:15.600	0.5
BD11	0.15	350.5	Pg	19:55:15.980	0.3
GSH	0.21	196.2	Pg	19:55:16.653	0.0
GSH	0.21	196.2	Sg	19:55:19.795	0.4
PLH	0.23	72.0	Pg	19:55:17.282	0.2
PLH	0.23	72.0	Sg	19:55:20.586	0.4
RWB	0.26	310.5	Pg	19:55:17.652	0.0
RWB	0.26	310.5	Sg	19:55:21.677	0.6
RODG	0.28	319.4	Pg	19:55:18.270	0.3
KLL	0.30	199.4	Pg	19:55:18.380	-0.0
KLL	0.30	199.4	Sg	19:55:22.980	0.6
DREG	0.31	209.1	Pg	19:55:18.480	-0.0
DREG	0.31	209.1	Sg	19:55:23.050	0.5
STB	0.41	145.2	Pg	19:55:20.960	0.5
STB	0.41	145.2	Sg	19:55:26.660	0.8
OLF	0.44	184.1	Pg	19:55:20.887	-0.1
OLF	0.44	184.1	Sg	19:55:26.806	0.1
BNS	0.45	85.7	Pg	19:55:21.580	0.5
BNS	0.45	85.7	Sg	19:55:27.700	0.8
TDN	0.47	139.8	Sg	19:55:28.046	0.5
LAUG	0.51	35.2	Pg	19:55:21.820	-0.5
LAUG	0.51	35.2	Sg	19:55:29.040	0.0
WBS	0.53	103.6	Pg	19:55:22.852	0.2
WBS	0.53	103.6	Sg	19:55:29.820	0.3
HOBG	0.55	84.4	Pg	19:55:23.360	0.4
HOBG	0.55	84.4	Sg	19:55:29.880	-0.2
AHRW	0.55	135.4	Pg	19:55:23.519	0.5
AHRW	0.55	135.4	Sg	19:55:31.356	1.2
HILG	0.65	168.2	Pg	19:55:25.100	0.1
HILG	0.65	168.2	Sg	19:55:33.710	0.2
ENT	0.67	62.1	Pg	19:55:24.902	-0.3
BUG	0.71	44.3	Pg	19:55:25.800	-0.3
BUG	0.71	44.3	Sg	19:55:36.304	1.0
BHE	0.73	141.9	Pg	19:55:26.770	0.3
BHE	0.73	141.9	Sg	19:55:36.376	0.4
LOH	0.75	176.8	Pg	19:55:26.946	0.1
LOH	0.75	176.8	Sg	19:55:36.814	0.3
BGG	0.91	142.5	Pg	19:55:30.010	0.2
BGG	0.91	142.5	Sg	19:55:41.970	0.3
KOE	0.95	121.9	Pg	19:55:30.780	0.3
WTSB	1.05	11.1	Pg	19:55:32.661	0.2
WTSB	1.05	11.1	Sg	19:55:47.493	1.4
WLF	1.28	189.2	Pg	19:55:36.601	-0.2
WLF	1.28	189.2	Sg	19:55:54.146	0.7
TNS	1.44	118.7	Pg	19:55:39.900	0.1
IBBN	1.59	29.7	Pg	19:55:41.476	-1.1
IBBN	1.59	29.7	Sg	19:56:03.592	0.5
CLL	4.12	82.2	Pg	19:56:33.000	2.8
CLL	4.12	82.2	Sg	19:57:26.000	2.6

T__					m_e		
T__					m_e		
---					m_e		
---					m_e		
---					m_e		
---	2190.8	0.17			m_e		
---					m_e		
---	324.9	0.18			m_e		
T__					m_e		
T__					mce		
T__	324.2	0.26			m_e		
T__					m_e		
T__	181.4	0.72			m_e		
T__					mde		
T__	173.8	0.37			m_e		
---					m_e		
---	48.9	0.11			m_e		
T__					m_e		
T__	446.8	0.14			m_i		
---	104.3	0.16			m_e		
T__					m_e		
T__	172.8	0.54			m_e		
---					m_e		
---	105.8	0.20			m_e		
T__					m_e		
T__	524.9	0.54			m_e	ML	2.3
---					m_e		
---					m_e		
T__					m_e		
T__	156.0	0.42			m_e		
---					m_e		
---					m_e	ML	2.5
---					m_e		
---					m_e		
---	46.6	0.15			m_e		
---					m_e		
---	58.0	0.15			m_e		
T__					mde		
T__	103.0	0.23			m_e		
T__					mde		
---					m_e		
---					m_e	ML	2.9
---					m_e		
---					m_e	ML	2.4
---					m_e	ML	3.0
---					m_e		
---					m_e		
---					m_e		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/24	02:58:06.00			51.5240	6.5200				5.0f							m i uk	NEIC	90724061
2009/07/24	02:58:10.19	0.39	0.38	51.3464	6.8576	2.7	2.2	043	10.1	1.6	30	8	329			m i uk	ZAMG	90724051
2009/07/24	02:58:04.20	0.15	1.50	51.5483	6.3796	3.1	2.6	173	1.0f		150	36	078			m i sr	LDG	90724041
2009/07/24	02:58:06.70	0.79	0.21	51.4990	6.5910				1.0	5.9		9	268	0.27	1.38	m i ki	BNS	90724031
2009/07/24	02:58:06.30	0.37	0.11	51.4840	6.5950				1.0f			11	242			m i ki	GDNRW	90724021
2009/07/24	02:58:06.86	0.46	0.37	51.5010	6.5860	5.6	3.3	109	1.0f		18	14	187	0.43	5.51	m i ki	BGR	90724011
2009/07/24	02:58:05.70			51.5200	6.5800				1.0f				229	0.01	0.44	m i ki	BUG	90724001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		NEIC	90724061
ML	3.0	0.3	5 ZAMG	90724051
ML	3.9	0.2	39 LDG	90724041
ML	3.3		BNS	90724031
ML	3.1		GDNRW	90724021
ML	3.4	0.2	7 BGR	90724011
ML	3.2		BUG	90724001

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		4.0	EMS	BNS

(Felt in Kamp-Lintfort (IV), Duisburg (III), Moers (III-IV))

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.01	230.9	Pg	02:58:06.800	0.9					T				m	ML	2.6
BRHE	0.01	230.9	Sg	02:58:07.900	1.8					T				m		
LAUG	0.28	126.5	Pg	02:58:11.760	0.7									m		
LAUG	0.28	126.5	Sg	02:58:15.620	0.9							1685.0	0.50	m		
BUG	0.44	100.2	Pg	02:58:14.900	1.0					TA				m	ML	3.2
BUG	0.44	100.2	Sg	02:58:21.600	2.0					TA				m		
RODG	0.45	213.8	Pg	02:58:15.100	0.9									m		
RODG	0.45	213.8	Sg	02:58:21.300	1.3							4559.5	0.19	m		
WTSB	0.47	16.8	Pg	02:58:16.098	1.6									m		
JCK	0.49	190.9	Pg	02:58:15.487	0.5									m		
JCK	0.49	190.9	Sg	02:58:22.047	0.7							2964.7	0.21	m		
RWB	0.50	212.6	Pg	02:58:15.835	0.8									m		
RWB	0.50	212.6	Sg	02:58:22.611	1.2							2071.9	0.20	m		
PLH	0.54	163.7	Pg	02:58:16.385	0.6									m		
PLH	0.54	163.7	Sg	02:58:23.316	0.5							6158.7	0.27	m		
ENT	0.59	117.9	Pg	02:58:17.603	0.8									m		
ENT	0.59	117.9	Sg	02:58:25.540	1.1									m		
BNS	0.67	145.9	Pg	02:58:19.420	1.1									m		
HOBG	0.71	138.4	Pg	02:58:20.160	1.0									m		
HOBG	0.71	138.4	Sg	02:58:29.700	1.3							1305.8	0.60	m		
GSH	0.79	189.2	Pg	02:58:21.125	0.5									m		
GSH	0.79	189.2	Sg	02:58:31.650	0.7									m		
WBS	0.84	148.0	Pg	02:58:22.049	0.5									m		
WBS	0.84	148.0	Sg	02:58:33.044	0.7							541.2	0.21	m		
SOR	0.88	100.6	Pg	02:58:23.004	0.6									m		
KLL	0.89	191.0	Pg	02:58:22.770	0.3									m		
KLL	0.89	191.0	Sg	02:58:35.620	1.7							1152.2	0.59	m		
STB	0.94	169.9	Pg	02:58:24.100	0.7									m		
STB	0.94	169.9	Sg	02:58:36.940	1.4							1143.2	0.40	m		
TDN	0.97	166.2	Pg	02:58:24.570	0.5									m		

Station	Mag	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.23	173.7	Sg		15:23:09.520	1.2										
BUG	0.27	120.8	Pg		15:23:07.200	1.1					TA				m_e ML	1.6
BUG	0.27	120.8	Sg		15:23:11.600	2.1					TA				m_e	
WTSB	0.39	350.6	Pg		15:23:09.050	0.5									m_e	
IBBN	0.90	35.5	Pg		15:23:20.075	2.0									m_e ML	2.2
IBBN	0.90	35.5	Sg		15:23:34.623	4.9									m_e	
STB	0.98	182.4	Pg		15:23:21.050	1.4									m_e	
STB	0.98	182.4	Sg		15:23:33.520	1.2						34.1	1.31		m_e	
KLL	1.00	202.0	Pg		15:23:20.630	0.6									m_e	
KLL	1.00	202.0	Sg		15:23:34.760	1.8						37.2	0.24		m_e	
DREG	1.01	205.0	Pg		15:23:20.840	0.8									m_e	
DREG	1.01	205.0	Sg		15:23:34.870	1.8						65.8	0.00		m_e	
HGN	1.02	217.2	Pg		15:23:20.791	0.5									m_e	
AHRW	1.04	174.0	Pg		15:23:22.151	1.4									m_e ML	2.1
AHRW	1.04	174.0	Sg		15:23:36.300	2.1									m_e	
HILG	1.29	186.4	Pg		15:23:26.140	0.7									m_e	
HILG	1.29	186.4	Sg		15:23:42.870	0.7									m_e	
TNS	1.67	143.7	Sg		15:23:54.816	0.7									m_e ML	1.9
WLF	1.97	194.3	Sg		15:24:02.226	-1.5									m_e ML	2.0

Event 90728010 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/28	15:48:08.54	0.69	1.53	44.4330	9.0960	14.5	13.3	027	10.0f		24	16	282	2.62	6.44	m i ke	BGR	90728030

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.2	9 BGR	90728030

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
PLONS	2.62	4.2	Pn	15:48:49.826	-0.2					T				m_e ML	3.2
PLONS	2.62	4.2	Sn	15:49:21.422	1.6					T				m_e	
DAVA	2.91	10.6	Pn	15:48:54.539	0.7					T				m_e ML	3.5
DAVA	2.91	10.6	Sn	15:49:28.640	2.2					T				m_e	
WILA	2.98	357.5	Pn	15:48:55.475	0.6					T				m_e ML	3.6
BALST	3.06	341.9	Pn	15:48:57.934	2.0					T				m_e	
OBER	3.09	15.2	Pn	15:48:57.023	0.7					T				m_e ML	3.3
OBER	3.09	15.2	Sn	15:49:32.226	1.5					T				m_e	
SULZ	3.17	347.9	Pn	15:48:58.705	1.3					T				m_e ML	3.5
WTTA	3.34	31.1	Pn	15:49:00.702	1.0					T				m_e ML	3.2
WTTA	3.34	31.1	Sn	15:49:40.049	3.4					T				m_e	
SLE	3.36	353.1	Pn	15:48:59.777	-0.2					T				m_e ML	3.3
BFO	3.93	352.5	Pn	15:49:07.328	-0.4					T				m_e ML	3.5
BFO	3.93	352.5	Sn	15:49:48.639	-2.0					T				m_e	
RJOB	4.18	36.5	Pn	15:49:11.583	0.4					T				m_e ML	3.2
RJOB	4.18	36.5	Sn	15:49:59.749	3.3					T				m_e	
OBKA	4.35	59.6	Pn	15:49:13.772	0.4					T				m_e	
ARSA	5.29	55.5	Pn	15:49:25.802	-0.3					T				m_e	
WET	5.37	27.4	Pn	15:49:26.210	-1.1					T				m_e	
GEC2	5.43	34.0	Pn	15:49:26.486	-1.5					T				m_e	
GEC2	5.43	34.0	Sn	15:50:24.028	-1.7					T				m_e	
TNS	5.81	355.9	Pn	15:49:33.331	0.2					T				m_e	
TNS	5.81	355.9	Sn	15:50:35.348	0.7					T				m_e	

MOX 6.44 14.4 Sn 15:50:48.611 -0.9 T__ m_e

Event 90728013 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/28	22:32:41.12	0.93	0.80	44.8650	15.0940	15.6	11.1	079	10.0f		17	11	320	1.69	6.23	m i ke	BGR	90728033

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.2	7 BGR	90728033

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	1.69	347.2	Pn	22:33:08.370	-1.5					T__				m_e ML	3.0
OBKA	1.69	347.2	Sn	22:33:29.122	-1.3					T__				m_e	
KBA	2.53	331.8	Pn	22:33:20.601	-0.6					T__				m_e ML	2.7
KBA	2.53	331.8	Sn	22:33:49.537	-0.6					T__				m_e	
MOA	3.04	349.5	Pn	22:33:28.928	0.7					T__				m_e ML	2.7
MOA	3.04	349.5	Sn	22:34:02.975	0.8					T__				m_e	
RJOB	3.28	331.9	Pn	22:33:31.408	-0.1					T__				m_e ML	3.0
WTTA	3.39	316.2	Pn	22:33:34.075	1.1					T__				m_e ML	3.3
GEC2	4.09	347.1	Pn	22:33:42.397	-0.1					T__				m_e ML	3.1
GEC2	4.09	347.1	Sn	22:34:27.664	0.7					T__				m_e	
WET	4.54	341.4	Pn	22:33:47.657	-0.9					T__				m_e ML	2.9
WET	4.54	341.4	Sn	22:34:36.328	-1.1					T__				m_e	
ROTZ	5.28	339.3	Sn	22:34:54.159	-0.6					T__				m_e	
MANZ	5.50	339.6	Pn	22:34:02.016	0.4					T__				m_e	
BFO	5.79	309.1	Sn	22:35:06.437	-0.5					T__				m_e	
MOX	6.23	339.2	Pn	22:34:10.366	-1.2					T__				m_e	
MOX	6.23	339.2	Sn	22:35:16.456	-0.8					T__				m_e	

Event 90729001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/29	07:33:34.58	0.49	0.52	51.5010	16.0790	4.4	2.2	019	1.0f		37	23	239	0.67	3.57	m i ki	BGR	90729021

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.3	16 BGR	90729021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.67	168.4	Pg	07:33:46.982	-0.2					T__				m_e	
KSP	0.67	168.4	Sg	07:33:56.397	0.5					T__				m_e	
DPC	1.16	172.3	Pg	07:33:55.826	-0.6					T__				m_e ML	3.2
DPC	1.16	172.3	Sg	07:34:11.412	-0.0					T__				m_e	
FBE	1.80	252.3	Pg	07:34:07.808	-0.7					T__				m_e ML	2.3
FBE	1.80	252.3	Sg	07:34:31.854	0.0					T__				m_e	
CLL	1.93	265.5	Pn	07:34:06.565	-1.1					T__				m_e ML	3.1
CLL	1.93	265.5	Pg	07:34:10.000	-0.9					__				m_e	
CLL	1.93	265.5	Sg	07:34:35.795	-0.1					T__				m_e	
MORC	1.96	151.1	Pn	07:34:07.439	-0.6					T__				m_e ML	2.7
SCHF	2.45	251.8	Pg	07:34:21.118	0.3					T__				m_e ML	3.4
SCHF	2.45	251.8	Sg	07:34:52.208	-0.2					T__				m_e	

HKWD	2.48	255.8	Pg	07:34:21.348	-0.0	T__	m_e												
HKWD	2.48	255.8	Sg	07:34:53.445	0.0	T__	m_e												
TANN	2.52	245.9	Pn	07:34:15.945	0.2	T__	m_e ML												3.1
TANN	2.52	245.9	Sg	07:34:55.020	0.3	T__	m_e												
MULD	2.56	246.2	Sg	07:34:55.981	0.1	T__	m_e												
WERD	2.60	247.6	Pn	07:34:16.957	0.2	T__	m_e ML												3.1
WERD	2.60	247.6	Sg	07:34:56.485	-0.6	T__	m_e												
NKC	2.62	242.5	Pn	07:34:17.295	0.3	T__	m_e ML												3.6
NKC	2.62	242.5	Sg	07:34:58.907	1.1	T__	m_e												
WERN	2.63	244.0	Pn	07:34:17.792	0.6	T__	m_e												
PLN	2.67	249.2	Sg	07:34:59.868	0.5	T__	m_e												
ROHR	2.69	243.4	Pn	07:34:17.792	-0.2	T__	m_e												
NEUB	2.70	265.5	Sg	07:35:01.657	1.2	T__	m_e ML												3.7
TRIB	2.74	246.7	Pn	07:34:18.804	0.2	T__	m_e												
TRIB	2.74	246.7	Sg	07:35:01.266	-0.3	T__	m_e												
WIMM	2.85	272.2	Sg	07:35:05.422	0.4	T__	m_e ML												3.0
MOX	2.93	254.8	Pg	07:34:29.380	-0.4	T__	m_e ML												3.5
MOX	2.93	254.8	Sg	07:35:07.876	0.2	T__	m_e												
MANZ	2.93	240.5	Pn	07:34:22.373	1.1	T__	m_e ML												3.3
ROTZ	3.01	236.3	Pn	07:34:22.595	0.3	T__	m_e ML												3.2
ROTZ	3.01	236.3	Sg	07:35:10.131	0.1	T__	m_e												
GEC2	3.06	210.7	Pn	07:34:23.993	1.0	T__	m_e ML												3.2
SCHD	3.21	254.4	Pg	07:34:35.089	0.0	T__	m_e												
SCHD	3.21	254.4	Sg	07:35:16.955	0.4	T__	m_e												
GRA1	3.57	241.5	Sg	07:35:29.484	1.4	---	m_e ML												3.7

Event 90729007 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
2009/07/29	23:18:20.30	0.87	0.41	51.6830	7.6200				1.0f			7	315	0.54	1.51	m i ki	BNS	90729027
2009/07/29	23:18:20.20	0.50	0.82	51.6260	7.7260	6.7	5.6	084	1.0f		10	6	160	0.34	1.48	m i ki	BGR	90729017
2009/07/29	23:18:19.00			51.6440	7.6960				1.0f				192	0.12	0.33	m i ki	BUG	90729007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90729027
ML	2.1	0.0	4 BGR	90729017
ML	1.8		BUG	90729007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.12	39.9	Pg	23:18:23.300	2.0					T__				m__ ML	1.9
BAHL	0.12	39.9	Sg	23:18:25.900	3.0					T__				m__	
BUG	0.33	232.7	Pg	23:18:26.300	1.0					TA__				mde ML	1.8
BUG	0.33	232.7	Sg	23:18:31.600	2.0					TA__				m__	
LAUG	0.55	238.3	Pg	23:18:30.110	0.7					---				m_e	
LAUG	0.55	238.3	Sg	23:18:38.250	1.7					---				m_e	
WTSB	0.64	300.5	Pg	23:18:32.600	1.5					---				m_e	
IBBN	0.66	3.3	Pg	23:18:33.819	2.3					---				m_e ML	2.1
HOBG	0.70	199.1	Pg	23:18:33.580	1.4					---				m_e	
HOBG	0.70	199.1	Sg	23:18:43.970	2.8					---				m_e	
AHRW	1.17	199.7	Pg	23:18:42.558	1.5					---				m_e ML	2.1
AHRW	1.17	199.7	Sg	23:18:58.586	2.4					---				m_e	

STB	1.18	207.4	Pg	23:18:42.500	1.3	---													m_e
STB	1.18	207.4	Sg	23:18:58.910	2.4	---								50.3	0.38				m_e
KLL	1.32	221.6	Pg	23:18:44.120	0.2	---													m_e
KLL	1.32	221.6	Sg	23:19:02.510	1.5	---								11.0	0.28				m_e
DREG	1.34	223.7	Pg	23:18:44.420	0.1	---													m_e
DREG	1.34	223.7	Sg	23:19:02.990	1.3	---								13.6	0.75				m_e
HGN	1.41	232.2	Pg	23:18:45.433	-0.2	---													m_e
HGN	1.41	232.2	Sg	23:19:04.843	1.0	---													m_e
BGG	1.46	189.1	Pg	23:18:47.010	0.6	---													m_e
BGG	1.46	189.1	Sg	23:19:06.360	1.1	---													m_e
HILG	1.50	205.7	Pg	23:18:47.550	0.3	---													m_e
HILG	1.50	205.7	Sg	23:19:05.990	-0.5	---													m_e
TNS	1.50	161.3	Pg	23:18:47.765	0.5	---													m_e ML 2.1
TNS	1.50	161.3	Sg	23:19:06.535	-0.1	---													m_e
CLL	3.32	93.7	Pg	23:19:26.000	4.4	---													m_e
CLL	3.32	93.7	Sg	23:20:11.000	6.5	---													m_e

Event 90731001 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/31	11:03:14.90	0.08	0.62	51.4856	6.6545	1.6	1.2	146	1.0f		121	36	078			m i sr	LDG	90731041
2009/07/31	11:03:14.70	0.39	0.11	51.5030	6.5870				1.0f			11	245			m i ki	GDNRW	90731031
2009/07/31	11:03:15.30	0.83	0.31	51.5040	6.5580				1.0f			12	269	0.29	1.39	m i ki	BNS	90731021
2009/07/31	11:03:15.98	0.31	0.41	51.4720	6.5900	4.4	2.2	108	1.0f		18	13	151	0.42	3.84	m i ki	BGR	90731011
2009/07/31	11:03:14.70			51.4260	6.5910				1.0f							m i ki	BUG	90731001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.7	0.1	3 LDG	90731041
ML	3.8	0.3	36 LDG	90731041
ML	3.0		GDNRW	90731031
ML	3.2		BNS	90731021
ML	3.3	0.2	9 BGR	90731011
ML	3.0		BUG	90731001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.23	108.7	Pg	11:03:20.520	1.4					---					m_i
LAUG	0.23	108.7	Sg	11:03:24.940	2.8					---		1468.2	0.50		m_e
RODG	0.38	222.6	Pg	11:03:23.750	1.9					---					m_e
RODG	0.38	222.6	Sg	11:03:29.990	3.2					---					m_e
JCK	0.40	194.4	Pg	11:03:24.266	2.0					---					m_e
JCK	0.40	194.4	Sg	11:03:30.930	3.4					---		1393.1	0.18		m_e
BUG	0.42	87.8	Pg	11:03:23.600	0.9					TA_					m_e ML 3.0
BUG	0.42	87.8	Sg	11:03:30.200	2.1					TA_					m_
RWB	0.42	220.3	Sg	11:03:31.449	3.3					---		1548.1	0.17		m_e
PLH	0.45	161.2	Pg	11:03:25.042	1.9					---					m_e
PLH	0.45	161.2	Sg	11:03:32.250	3.4					---		1340.2	0.28		m_e
ENT	0.54	109.5	Pg	11:03:26.345	1.4					---					m_e
WTSB	0.56	13.3	Pg	11:03:25.089	-0.1					---					m_e
WTSB	0.56	13.3	Sg	11:03:32.417	0.1					---					m_e
BNS	0.59	141.4	Pg	11:03:28.170	2.4					---					mdi
BNS	0.59	141.4	Sg	11:03:37.370	3.9					---		691.9	2.31		m_e

HOBG	0.64	133.3	Pg	11:03:28.910	2.1	---													m_e	
HOBG	0.64	133.3	Sg	11:03:39.260	4.2	---				938.5	0.49								m_e	
GSH	0.70	191.0	Pg	11:03:29.862	1.9	---													m_e	
GSH	0.70	191.0	Sg	11:03:40.572	3.5	---				531.0	0.14								m_e	
WBS	0.76	144.7	Pg	11:03:30.775	1.8	---													m_e	
WBS	0.76	144.7	Sg	11:03:41.970	3.2	---				375.4	0.17								m_e	
HGN	0.78	212.3	Pg	11:03:31.131	1.7	---													m_e	
HGN	0.78	212.3	Sg	11:03:42.171	2.7	---													m_e	
DREG	0.80	196.6	Pg	11:03:31.370	1.7	---													m_e	
DREG	0.80	196.6	Sg	11:03:43.960	4.0	---				1215.6	0.28								m_e	
KLL	0.80	192.8	Pg	11:03:31.490	1.7	---													m_e	
KLL	0.80	192.8	Sg	11:03:44.220	4.1	---				926.8	0.66								m_e	
STB	0.85	169.2	Pg	11:03:32.780	2.1	---													m_e	
STB	0.85	169.2	Sg	11:03:45.620	4.0	---				830.8	0.30								m_e	
SOR	0.86	94.5	Pg	11:03:31.724	0.7	---													m_e	
SOR	0.86	94.5	Sg	11:03:43.746	1.6	---													m_e	
TDN	0.88	165.2	Sg	11:03:46.186	3.5	---													m_e	
AHRW	0.94	160.8	Pg	11:03:34.316	2.0	---													m_e ML	3.1
OLF	0.94	186.7	Pg	11:03:34.220	1.8	---													m_e	
OLF	0.94	186.7	Sg	11:03:47.902	3.4	---													m_e	
BHE	1.14	160.7	Pg	11:03:37.918	1.8	---													m_e	
BHE	1.14	160.7	Sg	11:03:54.125	3.4	---				193.5	0.37								m_e	
HILG	1.14	177.2	Pg	11:03:38.120	2.0	---													m_e	
HILG	1.14	177.2	Sg	11:03:54.290	3.5	---				648.8	0.32								m_e	
IBBN	1.14	38.9	Pg	11:03:36.392	0.2	---													m_e ML	3.3
IBBN	1.14	38.9	Sg	11:03:50.954	0.1	---													m_e	
KOE	1.23	143.9	Pg	11:03:39.170	1.3	---													m_e	
KOE	1.23	143.9	Sg	11:03:56.710	2.9	---													m_e	
LOH	1.24	181.6	Pg	11:03:39.619	1.5	---													m_e	
LOH	1.24	181.6	Sg	11:03:57.659	3.4	---				233.5	0.20								m_e	
BGG	1.31	158.6	Pg	11:03:40.890	1.5	---													m_e	
BGG	1.31	158.6	Sg	11:03:58.460	2.2	---				233.9	0.51								m_e	
WIT	1.39	2.0	Sg	11:03:59.154	0.3	---													m_e	
TNS	1.68	135.0	Pn	11:03:45.505	1.1	---													m_e ML	3.1
WLF	1.78	189.2	Pn	11:03:48.213	2.4	---													m_e ML	3.5
MOX	3.25	101.9	Pn	11:04:07.427	1.7	---													m_e ML	3.3
BFO	3.29	159.4	Pn	11:04:08.043	1.8	---													m_e ML	3.2
PLN	3.63	102.8	Pn	11:04:12.548	1.7	---													m_e	
WERD	3.73	103.0	Pn	11:04:13.895	1.7	---													m_e ML	3.3
WERN	3.82	105.1	Pn	11:04:15.310	1.8	---													m_e ML	3.5
WERN	3.82	105.1	Pg	11:04:27.800	1.0	---													m_e	
CLL	4.00	89.2	Pg	11:04:30.000	-0.1	---													m_e ML	2.9
CLL	4.00	89.2	Sg	11:05:19.000	-2.9	---													m_e	

Event 90731012 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/07/31	23:39:29.78	0.90	0.87	44.5370	9.0790	15.6	8.9	053	10.0f		19	17	291	2.81	6.34	m i ke	BGR	90731022

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.2	6 BGR	90731022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	2.81	11.2	Pn	23:40:14.776	1.1					T__				m_e	ML 3.4
WTTA	3.26	32.2	Pn	23:40:20.472	0.7					T__				m_e	ML 3.3
BFO	3.83	352.5	Pn	23:40:27.376	-0.2					T__				m_e	ML 3.5
BFO	3.83	352.5	Sn	23:41:09.074	-0.3					T__				m_e	
KBA	3.91	48.0	Pn	23:40:28.720	0.0					T__				m_e	ML 3.1
FUR	3.93	21.9	Pn	23:40:28.510	-0.4					T__				m_e	ML 3.7
RJOB	4.11	37.5	Pn	23:40:32.321	1.0					T__				m_e	ML 3.2
STU	4.23	1.0	Sn	23:41:17.350	-1.6					T__				m_e	
OBKA	4.31	60.8	Pn	23:40:33.746	-0.3					T__				m_e	
MOA	4.88	45.5	Pn	23:40:42.581	0.7					T__				m_e	
ARSA	5.24	56.5	Pn	23:40:45.931	-0.8					T__				m_e	
WET	5.29	28.1	Pn	23:40:46.329	-1.0					T__				m_e	
GEC2	5.35	34.7	Pn	23:40:46.665	-1.5					T__				m_e	
GEC2	5.35	34.7	Sn	23:41:44.471	-0.6					T__				m_e	
TNS	5.70	355.9	Pn	23:40:53.388	0.4					T__				m_e	
MANZ	5.82	19.6	Pn	23:40:52.100	-2.5					T__				m_e	
PLN	6.30	18.1	Pn	23:41:00.516	-0.6					T__				m_e	
TANN	6.31	20.0	Sn	23:42:07.557	-0.1					T__				m_e	
MOX	6.34	14.7	Sn	23:42:08.100	-0.4					T__				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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