

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 90302005 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/02	13:24:54.70	0.18	0.29	51.6000	6.5303	3.0	2.2	025	1.0f		17	9	247			m i sr	LDG	90302035
2009/03/02	13:24:55.50	0.99	0.41	51.5310	6.5380				1.0f			7	293	0.31	1.42	m i ki	BNS	90302025
2009/03/02	13:24:57.01	0.36	1.16	51.4840	6.6170	7.8	3.3	124	1.0f		15	9	162	0.41	2.36	m i ki	BGR	90302015
2009/03/02	13:24:55.20			51.4420	6.6150				1.0f							m i ki	BUG	90302005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.8	1	LDG	90302035
ML	2.7	0.3	6 LDG	90302035
ML	2.1		BNS	90302025
ML	2.3	0.1	6 BGR	90302015
ML	1.9		BUG	90302005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.08	339.6	Pg	13:24:56.000	-0.7					T__				m__	ML	1.9
BRHE	0.08	339.6	Sg	13:24:56.800	-0.9					T__				m__		
LAUG	0.22	113.8	Pg	13:25:01.170	1.7					___				m_e		
BUG	0.41	89.9	Pg	13:25:04.481	1.6					___				m_e	ML	2.1
BUG	0.41	89.9	Sg	13:25:11.187	3.0					___				m_e		
WTSB	0.54	12.2	Sg	13:25:12.317	0.1					___				m_e		
HOBG	0.64	135.2	Pg	13:25:09.770	2.5					___				m_e		
HGN	0.80	212.6	Pg	13:25:13.328	3.0					___				m_e		
HGN	0.80	212.6	Sg	13:25:24.918	4.2					___				m_e		
DREG	0.82	197.3	Pg	13:25:12.278	1.7					___				m_e	ML	2.4
DREG	0.82	197.3	Sg	13:25:25.084	4.0					___				m_e		
KLL	0.82	193.6	Pg	13:25:12.760	2.1					___				m_e		
STB	0.86	170.4	Pg	13:25:14.070	2.7					___				m_e		
STB	0.86	170.4	Sg	13:25:26.930	4.4					___		56.8	0.29	m_e		
MEM	0.92	204.9	Pg	13:25:13.941	1.5					___				m_e		
MEM	0.92	204.9	Sg	13:25:28.796	4.5					___				m_e		
IBBN	1.12	38.8	Sg	13:25:33.029	2.4					___				m_e	ML	2.4
HILG	1.15	178.0	Pg	13:25:18.610	1.7					___				m_e		
BGG	1.32	159.5	Pg	13:25:21.240	1.2					___				m_e		
TNS	1.68	135.8	Pg	13:25:27.669	0.8					___				m_e	ML	2.1
TNS	1.68	135.8	Sg	13:25:52.365	3.8					___				m_e		
WLF	1.80	189.6	Pn	13:25:29.236	2.7					___				m_e	ML	2.4
WLF	1.80	189.6	Sg	13:25:53.638	1.2					___				m_e		
CLZ	2.37	78.8	Pg	13:25:40.012	0.2					___				m_e	ML	2.4

Event 90303002 Belgium

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/03	03:23:34.40	1.22	0.31	50.6950	4.6630				5.0f			9	318	1.00	1.77	m i ke	BNS	90303012
2009/03/03	03:23:33.28	0.70	0.76	50.6340	4.6390	6.7	4.4	083	10.0f		18	11	264	0.83	5.31	m i ke	BGR	90303002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
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ML 2.9 BNS 90303012
 ML 3.0 0.1 6 BGR 90303002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
HGN	0.83	80.5	Pg	03:23:48.981	-0.0					T__				m_e	
MEM	0.87	91.1	Pg	03:23:49.786	0.1					T__				m_e	
MEM	0.87	91.1	Sg	03:24:02.202	1.2					T__				m_e	
DREG	1.01	87.7	Pg	03:23:52.200	-0.2					T__				m_e	ML 3.0
DREG	1.01	87.7	Sg	03:24:06.755	1.2					T__				m_e	
KLL	1.06	88.7	Pg	03:23:53.230	-0.1					---				mde	
RODG	1.10	61.7	Pg	03:23:54.210	0.2					---				m_e	
OPLO	1.24	38.0	Pg	03:23:56.169	-0.6					T__				m_e	
OPLO	1.24	38.0	Sg	03:24:13.092	0.2					T__				m_e	
HILG	1.34	104.0	Pg	03:23:58.360	-0.3					---				m_e	
WLF	1.37	134.4	Pn	03:23:58.811	1.1					T__				m_e	ML 2.9
WLF	1.37	134.4	Sg	03:24:15.695	-1.2					T__				m_e	
STB	1.40	90.8	Pg	03:23:58.800	-0.9					---				m_e	
STB	1.40	90.8	Sg	03:24:18.130	0.4					---		331.4	0.29	m_e	
LAUG	1.62	62.8	Pg	03:24:01.320	-2.5					---				m_e	
BNS	1.64	77.4	Pg	03:24:02.620	-1.6					---				m_e	
HOBG	1.74	77.4	Pg	03:24:03.510	-2.6					---				m_e	
BGG	1.77	102.9	Pg	03:24:04.360	-2.3					---				m_e	
BUG	1.84	63.0	Pg	03:24:06.974	-1.0					T__				m_e	ML 3.0
BUG	1.84	63.0	Sg	03:24:31.237	-0.6					T__				m_e	
WTSB	1.90	44.5	Pn	03:24:04.954	0.1					T__				m_e	
TNS	2.46	98.2	Pn	03:24:13.739	1.2					T__				m_e	ML 3.0
TNS	2.46	98.2	Pg	03:24:19.788	0.1					T__				m_e	
TNS	2.46	98.2	Sg	03:24:51.057	-0.4					T__				m_e	
IBBN	2.56	48.1	Sg	03:24:55.251	0.5					T__				m_e	ML 3.2
STU	3.48	120.6	Sg	03:25:24.243	0.2					T__				m_e	
CLL	5.31	79.5	Sg	03:26:21.827	-0.1					T__				m_e	

Event 90307003 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/07	11:11:45.30	0.17	0.29	51.5858	6.5726	3.1	1.9	004	1.0f		23	12	266			m i sr	LDG	90307033
2009/03/07	11:11:46.40	0.70	0.31	51.5220	6.5760				1.0f			9	273	0.29	1.32	m i ki	BNS	90307023
2009/03/07	11:11:45.98	0.61	0.83	51.4810	6.5740	8.9	4.4	124	1.0f		10	6	206	0.44	2.38	m i ki	BGR	90307013
2009/03/07	11:11:46.00			51.4770	6.5960				1.0f				243	0.04	0.42	m i ki	BUG	90307003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML 2.6	0.3	7	LDG	90307033
ML 2.1			BNS	90307023
ML 2.3	0.2	6	BGR	90307013
ML 2.2			BUG	90307003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.04	338.1	Pg	11:11:46.600	-0.2					T__				m__	ML 2.0
BRHE	0.04	338.1	Sg	11:11:47.300	-0.0					T__				m__	
LAUG	0.25	120.0	Pg	11:11:51.740	1.0					---				m_e	
BUG	0.42	94.7	Pg	11:11:54.900	1.0					TA_				mde	ML 2.2

Station	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.42	94.7	Sg	11:12:01.400	2.0					TA_				m_	
RODG	0.42	218.2	Sg	11:12:01.590	2.2					__				m_e	
BNS	0.63	144.5	Pg	11:11:59.290	1.4					__				m_e	
HOBG	0.68	136.6	Pg	11:12:00.200	1.5					__				m_e	
DREG	0.85	195.8	Pg	11:12:02.830	0.9					__				m_e ML	2.4
DREG	0.85	195.8	Sg	11:12:15.481	2.6					__				m_e	
KLL	0.85	192.3	Pg	11:12:03.480	1.5					__				m_e	
STB	0.90	170.0	Pg	11:12:04.710	1.8					__				m_e	
STB	0.90	170.0	Sg	11:12:17.400	2.9					__	57.1	0.32		m_e	
IBBN	1.10	40.4	Pg	11:12:07.438	0.8					__				m_e ML	2.4
IBBN	1.10	40.4	Sg	11:12:22.669	1.8					__				m_e	
HILG	1.19	177.4	Pg	11:12:09.310	1.0					__				m_e	
KOE	1.27	145.3	Pg	11:12:10.540	0.6					__				m_e	
TNS	1.71	136.3	Pg	11:12:18.145	-0.2					__				m_e ML	2.0
TNS	1.71	136.3	Sg	11:12:42.636	2.2					__				m_e	
WLF	1.83	189.0	Pg	11:12:20.884	0.3					__				m_e ML	2.4
WLF	1.83	189.0	Sg	11:12:43.891	-0.4					__				m_e	
CLZ	2.37	79.7	Sg	11:13:01.576	0.3					__				m_e ML	2.4

Event 90311002 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/11	01:34:16.71	0.74	0.73	45.5340	17.4400	13.3	8.9	042	10.0f		20	14	324	2.23	7.63	m i ke	BGR	90311022

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	6 BGR	90311022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	2.23	296.9	Pn	01:34:51.827	-1.0					T_				m_e ML	3.1
OBKA	2.23	296.9	Sg	01:35:27.496	-0.2					T_				m_e	
MOA	3.18	317.9	Pn	01:35:05.840	0.2					T_				m_e ML	3.1
MOA	3.18	317.9	Sn	01:35:40.898	-0.1					T_				m_e	
KBA	3.22	300.1	Pn	01:35:05.639	-0.7					T_				m_e ML	2.8
RJOB	3.87	306.3	Pn	01:35:15.990	0.9					T_				m_e ML	3.3
RJOB	3.87	306.3	Sn	01:35:59.876	2.5					T_				m_e	
GEC2	4.17	323.9	Pn	01:35:19.738	0.6					T_				m_e ML	2.9
GEC2	4.17	323.9	Sn	01:36:05.929	1.5					T_				m_e	
WTTA	4.36	295.5	Pn	01:35:22.665	1.0					T_				m_e	
WET	4.75	321.1	Pn	01:35:27.156	0.1					T_				m_e ML	3.2
WET	4.75	321.1	Sn	01:36:18.428	0.4					T_				m_e	
DAVA	5.50	291.3	Pn	01:35:37.933	0.8					T_				m_e	
ROTZ	5.51	322.1	Pn	01:35:38.472	1.2					T_				m_e	
GRA1	5.90	317.0	Pn	01:35:43.006	0.4					T_				m_e	
TANN	5.91	327.5	Pn	01:35:43.115	0.4					T_				m_e	
TANN	5.91	327.5	Sn	01:36:45.412	0.2					T_				m_e	
MOX	6.42	324.9	Pn	01:35:50.386	0.8					T_				m_e	
BFO	6.81	297.5	Pn	01:35:54.479	-0.5					T_				m_e	
TNS	7.63	311.1	Pn	01:36:06.688	0.6					T_				m_e	

Event 90311005 Koblenz/Middle Rhine Area

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/11	09:43:36.80	0.07	0.74	50.3226	7.4730	1.4	1.2	065	9.5	0.7	49	15	065			m i ke	LDG	90311025
2009/03/11	09:43:36.32	0.28	0.51	50.3220	7.4980	3.3	2.2	005	10.0f		14	9	069	0.35	2.64	m i ke	BGR	90311015
2009/03/11	09:43:36.90	1.34	0.41	50.3490	7.4640				3.1	13.4		8	144	0.16	1.05	m i ke	BNS	90311005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.1	2 LDG	90311025
ML	3.0	0.3	16 LDG	90311025
ML	2.4	0.2	8 BGR	90311015
ML	2.1		BNS	90311005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BGG	0.16	209.6	Pg	09:43:40.150	0.1					T__					mde
BGG	0.16	209.6	Sg	09:43:42.350	0.2					T__		1260.0	0.11	m_e	
KOE	0.19	65.8	Pg	09:43:40.650	0.2					T__				mci	
KOE	0.19	65.8	Sg	09:43:43.220	0.3					T__				m_i	
AHRW	0.31	308.0	Pg	09:43:43.369	0.5					---				m_e	
AHRW	0.31	308.0	Sg	09:43:47.911	1.0					---				m_e	
STB	0.47	301.9	Pg	09:43:46.340	0.6					T__				mde	
STB	0.47	301.9	Sg	09:43:52.210	0.5					T__		53.1	0.34	m_e	
HILG	0.50	263.8	Pg	09:43:46.760	0.3					T__				m_e	
HILG	0.50	263.8	Sg	09:43:53.430	0.5					T__		116.7	0.20	m_e	
HOBG	0.64	352.6	Pg	09:43:49.540	0.6					T__				mce	
HOBG	0.64	352.6	Sg	09:43:57.640	0.4					T__		183.2	0.48	m_e	
TNS	0.64	101.0	Pg	09:43:48.520	-0.5					---				m_e	ML 2.1
TNS	0.64	101.0	Sg	09:43:56.461	-0.8					---				m_e	
KLL	0.79	292.5	Pg	09:43:52.430	0.6					T__				m_e	
DREG	0.84	292.3	Pg	09:43:53.480	0.7					T__				m_e	
DREG	0.84	292.3	Sg	09:44:03.990	0.3					T__		59.5	0.38	m_e	
LAUG	1.05	342.1	Pg	09:43:56.720	-0.1					T__				mde	
WLF	1.09	231.4	Pn	09:43:56.244	-2.1					---				m_e	ML 2.2
WLF	1.09	231.4	Sg	09:44:12.291	0.9					---				m_e	
BUG	1.10	353.7	Sg	09:44:13.098	1.3					---				m_e	ML 2.4
UBBA	1.68	72.8	Pg	09:44:07.740	-0.8					---				m_e	ML 2.2
UBBA	1.68	72.8	Sg	09:44:29.212	-1.0					---				m_e	
GTTG	1.98	51.8	Sg	09:44:39.502	-0.2					---				m_e	ML 2.9
BFO	2.10	164.1	Sg	09:44:41.498	-2.0					---				m_e	ML 2.3
MOX	2.66	82.0	Sg	09:45:00.456	-0.9					---				m_e	ML 2.5

Event 90312018 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/12	21:14:44.36	0.21	0.77	51.5420	15.9970	2.2	2.2	017	1.0f		51	24	094	0.72	4.94	m i ki	BGR	90312018

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	21 BGR	90312018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.72	165.0	Pg	21:14:58.621	0.6					T__	11.5			m_e	ML 2.6
KSP	0.72	165.0	Sg	21:15:08.807	1.5					T__				m_e	

DPC	1.21	170.1	Pg	21:15:07.391	0.2	T__	93.4	m_e	ML	2.8
DPC	1.21	170.1	Sg	21:15:23.732	1.0	T__		m_e		
BRG	1.45	243.3	Pn	21:15:10.772	-0.2	T__	1.4	m_e	ML	2.8
BRG	1.45	243.3	Pg	21:15:11.887	0.2	T__	45.7	m_e		
BRG	1.45	243.3	Sg	21:15:31.847	1.4	T__		m_e		
RUE	1.65	305.3	Pn	21:15:12.545	-1.2	T__	4.0	m_e	ML	2.9
RUE	1.65	305.3	Sg	21:15:36.811	-0.1	T__		m_e		
FBE	1.77	250.5	Pg	21:15:17.560	-0.1	T__	9.3	m_e	ML	2.1
FBE	1.77	250.5	Sg	21:15:41.356	0.9	T__		m_e		
PRU	1.81	211.2	Pn	21:15:15.990	0.2	T__	4.7	m_e	ML	2.7
PRU	1.81	211.2	Pg	21:15:18.074	-0.3	T__	21.0	m_e		
PRU	1.81	211.2	Sg	21:15:42.802	1.1	T__		m_e		
CLL	1.88	264.0	Pn	21:15:16.178	-0.6	T__	12.5	m_e	ML	2.8
CLL	1.88	264.0	Pg	21:15:19.276	-0.5	T__	4.1	m_e		
CLL	1.88	264.0	Sg	21:15:44.168	0.0	T__		m_e		
GKP	1.89	23.2	Pn	21:15:16.468	-0.4	T__	1.2	m_e	ML	2.9
GKP	1.89	23.2	Sg	21:15:43.798	-0.5	T__		m_e		
MORC	2.02	150.4	Pn	21:15:18.816	0.1	T__	14.0	m_e	ML	2.7
MORC	2.02	150.4	Sg	21:15:48.847	0.4	T__		m_e		
OKC	2.18	140.5	Pg	21:15:25.396	-0.1	T__	5.3	m_e	ML	3.1
OKC	2.18	140.5	Sg	21:15:53.050	-0.6	T__		m_e		
TANN	2.49	244.5	Pn	21:15:25.537	0.4	T__	6.6	m_e	ML	3.0
TANN	2.49	244.5	Pg	21:15:32.316	0.9	T__	3.0	m_e		
TANN	2.49	244.5	Sg	21:16:03.961	0.3	T__		m_e		
NEUB	2.66	264.4	Pn	21:15:28.098	0.8	T__	1.4	m_e	ML	3.4
NEUB	2.66	264.4	Pg	21:15:34.347	-0.1	T__	3.0	m_e		
NEUB	2.66	264.4	Sg	21:16:09.817	1.1	T__		m_e		
TRIB	2.71	245.4	Pn	21:15:28.394	0.4	T__	3.3	m_e		
TRIB	2.71	245.4	Sg	21:16:10.429	0.1	T__		m_e		
OJC	2.74	117.4	Pn	21:15:28.516	0.1	T__	2.7	m_e	ML	3.1
OJC	2.74	117.4	Pg	21:15:36.174	0.2	T__	4.5	m_e		
OJC	2.74	117.4	Sg	21:16:12.420	1.1	T__		m_e		
KHC	2.86	213.6	Pn	21:15:30.883	0.8	T__	4.5	m_e	ML	2.9
KHC	2.86	213.6	Pg	21:15:37.332	-1.0	T__	3.0	m_e		
KHC	2.86	213.6	Sg	21:16:15.968	0.7	T__		m_e		
MOX	2.89	253.7	Pn	21:15:30.627	0.1	T__	3.1	m_e	ML	3.1
MOX	2.89	253.7	Pg	21:15:38.923	0.0	T__	3.7	m_e		
MOX	2.89	253.7	Sg	21:16:16.256	-0.0	T__		m_e		
ROTZ	2.99	235.0	Pn	21:15:32.632	0.8	T__	9.8	m_e	ML	2.9
ROTZ	2.99	235.0	Sg	21:16:19.908	0.7	T__		m_e		
GEC2	3.07	209.5	Pn	21:15:33.946	1.0	T__	6.4	m_e	ML	3.2
GEC2	3.07	209.5	Sg	21:16:21.485	-0.4	T__		m_e		
WET	3.12	220.9	Pn	21:15:33.465	-0.1	T__	9.4	m_e	ML	3.1
CLZ	3.50	277.1	Pn	21:15:39.715	1.0	T__	4.0	m_e	ML	3.2
GRA1	3.55	240.5	Sg	21:16:38.568	1.5	T__		m_e	ML	3.5
NRDL	3.75	287.0	Pn	21:15:43.084	1.0	T__	2.0	m_e		
UBBA	3.83	261.5	Pn	21:15:43.922	0.7	T__	2.2	m_e	ML	3.2
UBBA	3.83	261.5	Pg	21:15:55.902	-0.6	T__	1.4	m_e		
TNS	4.94	257.5	Pn	21:15:59.886	1.6	T__	2.1	m_e		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/13	21:29:19.73	0.54	0.67	50.2830	18.8890	6.7	4.4	016	1.0f		12	7	166	0.58	3.86	m i ki	BGR	90313010

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.1	5 BGR	90313010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.58	95.9	Pg	21:29:30.990	0.2					T__				m_e ML	2.9
OKC	0.65	227.2	Pg	21:29:31.957	-0.1					T__				m_e ML	2.8
OKC	0.65	227.2	Sg	21:29:40.944	0.5					T__				m_e	
MORC	1.00	240.2	Pg	21:29:38.332	-0.3					T__				m_e ML	3.0
MORC	1.00	240.2	Sg	21:29:51.306	-0.3					T__				m_e	
DPC	1.64	273.3	Pg	21:29:49.055	-1.6					T__				m_e	
DPC	1.64	273.3	Sg	21:30:11.573	-0.3					T__				m_e	
KSP	1.74	289.8	Pg	21:29:52.729	0.2					T__				m_e ML	3.0
KSP	1.74	289.8	Sg	21:30:15.740	0.7					T__				m_e	
BRG	3.20	282.5	Pg	21:30:20.212	0.3					T__				m_e ML	3.2
BRG	3.20	282.5	Sg	21:31:00.067	-1.2					T__				m_e	
CLL	3.86	287.7	Sg	21:31:22.810	0.5					T__				m_e	

Event 90315003 Eastern Tennengau/A, Hoher Dachstein

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/15	06:49:10.44	0.22	0.29	47.4275	13.4740	1.2	1.0	167	7.8	10.2	21	8	143			m i uk	ZAMG	90315013
2009/03/15	06:49:12.35	0.32	1.13	47.4070	13.5680	8.9	5.6	105	10.0f		10	6	096	0.36	1.80	m i ke	BGR	90315003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	9 ZAMG	90315013
ML	2.0	0.1	2 BGR	90315003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.36	204.8	Pg	06:49:18.241	-1.1					T__				m_e	
KBA	0.36	204.8	Sg	06:49:23.554	-0.6					T__				m_e	
MOA	0.65	46.5	Pg	06:49:23.719	-0.9					T__				m_e	
OBKA	1.12	142.9	Pn	06:49:34.957	1.5					T__				m_e	
OBKA	1.12	142.9	Sn	06:49:48.827	0.5					T__				m_e	
WTTA	1.32	264.5	Pn	06:49:34.815	-1.3					T__				m_e	
WTTA	1.32	264.5	Sn	06:49:54.858	1.9					T__				m_e	
GEC2	1.44	3.5	Pn	06:49:37.323	-0.4					T__				m_e ML	1.9
GEC2	1.44	3.5	Sn	06:49:56.581	0.8					T__				m_e	
WET	1.80	345.5	Pn	06:49:41.753	-0.8					T__				m_e ML	2.1

Event 90316007 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	
2009/03/16	22:12:24.40	0.79	0.41	51.6810	7.6110				1.0f				8	305	0.53	1.51	m i ki	BNS	90316027
2009/03/16	22:12:24.60	0.45	0.70	51.5840	7.7390	6.7	5.6	158	1.0f		6	4	117	0.33	1.65	m i ki	BGR	90316017	
2009/03/16	22:12:23.60			51.6390	7.6750				1.0f							m i ki	BUG	90316007	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	90316027
ML	1.9	0.1	2 BGR	90316017
ML	1.8		BUG	90316007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.32	232.0	Pg	22:12:30.700	1.0					TA_				m_e	ML 1.8
BUG	0.32	232.0	Sg	22:12:35.800	2.0					TA_				m_	
LAUG	0.54	238.0	Pg	22:12:34.210	0.5					---				m_e	
IBBN	0.67	4.4	Pg	22:12:37.444	1.2					---				m_e	
HOBG	0.69	198.2	Pg	22:12:37.710	1.1					---				m_e	
STB	1.17	207.0	Pg	22:12:46.700	1.1					---				m_e	
STB	1.17	207.0	Sg	22:13:02.860	2.1					---		24.7	0.54	m_e	
KOE	1.21	178.3	Pg	22:12:46.870	0.4					---				m_e	
KLL	1.31	221.3	Pg	22:12:48.450	0.2					---				m_e	
DREG	1.33	223.4	Pg	22:12:48.790	0.1					---				m_e	
BGG	1.45	188.6	Pg	22:12:50.950	0.0					---				m_e	
HILG	1.49	205.4	Pg	22:12:51.780	0.2					---				m_e	
TNS	1.50	160.7	Pg	22:12:52.160	0.3					---				m_e	ML 1.8
TNS	1.50	160.7	Sg	22:13:09.227	-2.0					---				m_e	
CLZ	1.68	82.0	Sg	22:13:18.005	1.0					---				m_e	

Event 90317008 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/17	22:02:09.60	0.76	0.31	51.5230	6.5700				1.0f			8	292	0.29	1.40	m i ki	BNS	90317028
2009/03/17	22:02:10.02	0.73	0.84	51.5000	6.5560	11.1	4.4	125	1.0f		9	6	208	0.45	1.85	m i ki	BGR	90317018
2009/03/17	22:02:08.50			51.4510	6.5500				1.0f				280	0.07	0.45	m i ki	BUG	90317008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	90317028
ML	2.0	0.2	2 BGR	90317018
ML	1.8		BUG	90317008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.07	11.5	Pg	22:02:09.800	0.0					T_				m_	ML 1.6
BRHE	0.07	11.5	Sg	22:02:10.600	-0.0					T_				m_	
LAUG	0.27	112.0	Pg	22:02:15.020	1.5					---				m_e	
BUG	0.45	91.0	Pg	22:02:18.000	1.0					TA_				m_e	ML 1.8
BUG	0.45	91.0	Sg	22:02:24.800	2.0					TA_				m_	
HOBG	0.68	133.3	Pg	22:02:23.400	2.1					---				m_e	
DREG	0.81	194.3	Pg	22:02:26.028	2.2					---				m_e	ML 2.1
DREG	0.81	194.3	Sg	22:02:38.162	3.8					---				m_e	
KLL	0.82	190.7	Pg	22:02:26.710	2.8					---				m_e	
STB	0.88	167.9	Pg	22:02:27.880	2.9					---				m_e	
STB	0.88	167.9	Sg	22:02:40.750	4.4					---		25.5	0.34	m_e	
AHRW	0.97	159.8	Pg	22:02:29.473	2.7					---				m_e	
AHRW	0.97	159.8	Sg	22:02:43.204	3.9					---				m_e	
IBBN	1.14	40.6	Sg	22:02:45.767	1.2					---				m_e	
HILG	1.16	175.9	Pg	22:02:32.560	2.2					---				m_e	

KOE	1.27	143.6	Pg	22:02:33.730	1.3	---	m_e
BGG	1.34	157.9	Pg	22:02:35.190	1.4	---	m_e
TNS	1.72	135.0	Pg	22:02:41.260	0.4	---	m_e
WLF	1.80	188.2	Pg	22:02:44.497	2.0	---	m_e

Event 90319006 Gundersleben, Sondershausen, S of Nordhausen

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/19	19:48:53.70	0.34	0.48	51.2970	10.7080	5.6	2.2	051	1.0f		11	8	130	0.53	1.64	m i ki	BGR	90319006

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	3 BGR	90319006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GTTG	0.53	298.5	Sg	19:49:10.325	-0.1					T_				m_e ML	1.9
CLZ	0.58	339.2	Pg	19:49:04.634	-0.1					T_				m_e ML	2.0
CLZ	0.58	339.2	Sg	19:49:12.153	-0.1					T_				m_e	
ASSE	0.83	358.5	Pg	19:49:09.838	0.4					T_				m_e ML	2.1
MOX	0.87	138.4	Pg	19:49:10.540	0.5					T_				m_e	
NRDL	1.25	343.0	Sg	19:49:33.878	0.4					T_				m_e	
TANN	1.42	127.9	Pg	19:49:19.497	-0.9					T_				m_e	
TANN	1.42	127.9	Sg	19:49:38.796	0.1					T_				m_e	
CLL	1.43	88.7	Pg	19:49:19.987	-0.7					T_				m_e	
CLL	1.43	88.7	Sg	19:49:39.955	0.7					T_				m_e	
GRA1	1.64	168.3	Sg	19:49:46.162	0.4					T_				m_e	

Event 90321003 Le Val-d'Ajol/F, SW Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/21	11:10:01.10	0.06	0.69	47.9510	6.5002	1.5	1.2	162	15.0	0.0	48	19	034			m i ke	LDG	90321023
2009/03/21	11:10:00.77	0.96	0.57	47.9630	6.4820	10.0	4.4	042	10.0f		10	6	252	0.52	2.70	m i ke	BGR	90321013
2009/03/21	11:10:01.60	0.20	0.19	47.9700	6.5300	2.0	1.0	020	13.0	4.0	16	10	144	0.42	2.52	m i ke	LED	90321003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.8	0.1	6 LDG	90321023
ML	2.7	0.3	14 LDG	90321023
ML	2.1	0.3	5 BGR	90321013
ML	2.2	0.2	9 LED	90321003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
MOF	0.42	106.1	P*	11:10:09.980						T_				mci	
THEF	0.44	306.0	P*	11:10:10.220						T_				mdi	
THEF	0.44	306.0	S*	11:10:16.320						T_				m_	
ECH	0.49	59.4	P*	11:10:11.050						T_				m_ ML	2.6
ECH	0.49	59.4	S*	11:10:17.760						T_				m_	
ECH	0.49	59.4	SmS	11:10:20.020	-2.1					T_				m_	
LOMF	0.65	162.0	Pn	11:10:13.930	-2.0					T_				mde	
LOMF	0.65	162.0	Pg	11:10:14.270	0.2					T_				mci	
LIBD	0.74	75.5	Pg	11:10:16.340	0.6					T_				m_	

BBS	0.83	127.1	P	11:10:17.380		T__										m__		
KIZ	0.93	90.3	Pg	11:10:18.690	-0.6	T__										mce	ML	2.0
FELD	0.99	94.9	Pg	11:10:19.440	-1.0	T__										m__		
BFO	1.25	72.6	Pn	11:10:22.660	-1.5	T__										m__	ML	2.0
BFO	1.25	72.6	Pg	11:10:25.510	0.2	T__										mci		
BFO	1.25	72.6	Sg	11:10:41.637	0.0	---										m_e		
LANF	1.32	39.4	Pg	11:10:26.490	-0.0	T__										m__		
LBG	1.66	64.4	Pg	11:10:32.860	-0.1	---										mdi	ML	2.0
WLF	1.71	351.8	Pn	11:10:30.245	-0.1	---	0.9									m_e	ML	2.0
WLF	1.71	351.8	Sg	11:10:55.945	-0.2	---										m_e		
GUT	1.73	85.7	Pg	11:10:34.370	0.1	---										m__	ML	2.2
BUCH	1.94	74.6	Pg	11:10:38.400	0.1	---										m__	ML	2.4
SIND	2.45	54.7	Pg	11:10:48.590	0.7	---										m__	ML	2.2
HDH	2.52	74.5	Pg	11:10:49.280	0.1	---										m__	ML	2.4
TNS	2.58	28.4	Sg	11:11:23.260	-0.3	---										m_e	ML	2.4
OBER	2.59	101.1	Sg	11:11:24.666	0.5	---										m_e	ML	2.3
DREG	2.70	356.0	Sg	11:11:26.059	-1.4	---										m_e	ML	2.3

Event 90325001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/25	00:03:41.50	1.04	0.61	51.6660	15.9430				5.0f			4	354	5.31	5.99	m i ke	BNS	90325011
2009/03/25	00:03:40.70	0.21	0.69	51.5410	16.1100	2.2	1.1	017	1.0f		93	47	171	0.71	6.26	m i ki	BGR	90325001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.6		BNS	90325011
ML	3.8	0.4	33 BGR	90325001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.71	170.6	Pg	00:03:54.139	0.1					T__	49.8			m_e	ML 3.1
KSP	0.71	170.6	Sg	00:04:03.864	0.7					T__				m_e	
DPC	1.20	173.5	Pg	00:04:02.988	-0.3					T__	197.2			m_e	ML 3.3
DPC	1.20	173.5	Sg	00:04:18.058	-0.7					T__				m_e	
BRG	1.51	244.7	Pn	00:04:07.516	-0.6					T__	3.7			m_e	ML 3.7
BRG	1.51	244.7	Pg	00:04:09.038	-0.2					T__	106.9			m_e	
BRG	1.51	244.7	Sg	00:04:29.484	0.7					T__				m_e	
RUE	1.71	304.0	Pn	00:04:10.048	-0.8					T__	3.7			m_e	ML 3.5
RUE	1.71	304.0	Sg	00:04:35.446	0.4					T__				m_e	
FBE	1.83	251.3	Pn	00:04:11.966	-0.5					T__	2.4			m_e	ML 2.8
FBE	1.83	251.3	Pg	00:04:14.572	-0.7					T__	56.5			m_e	
FBE	1.83	251.3	Sg	00:04:38.845	-0.1					T__				m_e	
PRU	1.84	213.2	Pn	00:04:12.340	-0.3					T__	25.2			m_e	ML 3.4
PRU	1.84	213.2	Sg	00:04:39.327	0.1					T__				m_e	
CLL	1.95	264.4	Pn	00:04:13.306	-0.8					T__	43.9			m_e	ML 3.5
CLL	1.95	264.4	Pg	00:04:16.701	-0.8					T__	2.5			m_e	
CLL	1.95	264.4	Sg	00:04:42.748	0.1					T__				m_e	
MORC	1.98	152.2	Pn	00:04:14.348	-0.2					T__	68.4			m_e	ML 3.4
MORC	1.98	152.2	Sg	00:04:43.336	-0.4					T__				m_e	
OKC	2.14	142.1	Pn	00:04:15.815	-0.8					T__	4.0			m_e	ML 3.7
OKC	2.14	142.1	Pg	00:04:20.470	-0.5					T__	8.2			m_e	
OKC	2.14	142.1	Sg	00:04:47.667	-0.9					T__				m_e	

SCHF	2.48	251.1	Pn	00:04:21.499	0.2	T__	5.8	m_e ML	3.9
SCHF	2.48	251.1	Pg	00:04:26.713	-0.8	T__	4.2	m_e	
SCHF	2.48	251.1	Sg	00:04:59.676	0.1	T__		m_e	
HKWD	2.51	255.0	Pn	00:04:21.698	0.0	T__	5.3	m_e	
HKWD	2.51	255.0	Sg	00:05:00.194	-0.3	T__		m_e	
TANN	2.56	245.3	Pn	00:04:22.527	0.2	T__	17.6	m_e	
TANN	2.56	245.3	Pg	00:04:28.973	0.1	T__	5.2	m_e	
TANN	2.56	245.3	Sg	00:05:02.665	0.7	T__		m_e	
MULD	2.59	245.6	Pn	00:04:23.163	0.4	T__	7.3	m_e	
MULD	2.59	245.6	Pg	00:04:29.479	-0.1	T__	6.3	m_e	
MULD	2.59	245.6	Sg	00:05:03.167	0.1	T__		m_e	
WERD	2.63	246.9	Pn	00:04:23.630	0.3	T__	4.4	m_e ML	3.7
WERD	2.63	246.9	Pg	00:04:29.931	-0.4	T__	6.5	m_e	
WERD	2.63	246.9	Sg	00:05:03.370	-0.9	T__		m_e	
NKC	2.65	241.9	Pn	00:04:24.096	0.5	T__	24.6	m_e	
GUNZ	2.66	245.2	Pn	00:04:23.838	0.2	T__	6.1	m_e ML	4.0
GUNZ	2.66	245.2	Pg	00:04:31.386	0.7	T__	7.0	m_e	
GUNZ	2.66	245.2	Sg	00:05:04.884	-0.2	T__		m_e	
WERN	2.67	243.4	Pn	00:04:24.032	0.2	T__	15.7	m_e ML	4.0
WERN	2.67	243.4	Pg	00:04:30.910	-0.0	T__	3.8	m_e	
WERN	2.67	243.4	Sn	00:04:53.747	-1.0	T__		m_e	
WERN	2.67	243.4	Sg	00:05:06.017	0.6	T__		m_e	
OJC	2.68	118.2	Pn	00:04:22.227	-1.7	T__	5.2	m_e ML	3.9
OJC	2.68	118.2	Pg	00:04:29.893	-1.2	T__	13.1	m_e	
OJC	2.68	118.2	Sg	00:05:07.028	1.3	T__		m_e	
PLN	2.70	248.5	Pn	00:04:24.384	0.1	T__	13.9	m_e	
PLN	2.70	248.5	Pg	00:04:32.121	0.5	T__	3.2	m_e	
PLN	2.70	248.5	Sg	00:05:06.767	0.3	T__		m_e	
ROHR	2.73	242.8	Pn	00:04:25.010	0.4	T__	6.4	m_e	
ROHR	2.73	242.8	Pg	00:04:32.374	0.3	T__	3.7	m_e	
ROHR	2.73	242.8	Sg	00:05:07.894	0.6	T__		m_e	
NEUB	2.73	264.7	Pg	00:04:31.798	-0.3	T__	14.3	m_e ML	4.3
NEUB	2.73	264.7	Sg	00:05:08.485	1.2	T__		m_e	
TRIB	2.77	246.1	Pn	00:04:25.259	0.0	T__	5.1	m_e	
TRIB	2.77	246.1	Sg	00:05:09.557	0.8	T__		m_e	
TAUT	2.81	260.2	Pn	00:04:25.526	-0.2	T__	4.0	m_e	
TAUT	2.81	260.2	Pg	00:04:33.491	-0.1	T__	7.3	m_e	
TAUT	2.81	260.2	Sg	00:05:10.084	0.2	T__		m_e	
WIMM	2.86	271.4	Sg	00:05:11.479	-0.2	T__		m_e	
KHC	2.90	214.8	Pn	00:04:27.064	0.1	T__	20.1	m_e ML	3.6
KHC	2.90	214.8	Sg	00:05:12.278	-0.6	T__		m_e	
MOX	2.96	254.1	Pn	00:04:27.716	-0.1	T__	6.9	m_e ML	4.2
MOX	2.96	254.1	Pg	00:04:36.177	-0.3	T__	6.8	m_e	
MOX	2.96	254.1	Sg	00:05:15.262	0.5	T__		m_e	
ROTZ	3.04	235.9	Pn	00:04:29.468	0.5	T__	23.7	m_e ML	3.8
ROTZ	3.04	235.9	Pg	00:04:36.943	-1.1	T__	1.6	m_e	
ROTZ	3.04	235.9	Sg	00:05:17.250	-0.2	T__		m_e	
GEC2	3.11	210.7	Pn	00:04:30.184	0.4	T__	36.0	m_e ML	3.9
WET	3.16	222.0	Pn	00:04:30.780	0.3	T__	24.0	m_e ML	3.8
SCHD	3.24	253.8	Pn	00:04:31.664	0.1	T__	5.7	m_e	
SCHD	3.24	253.8	Sg	00:05:23.778	0.2	T__		m_e	
ASSE	3.41	282.1	Sg	00:05:28.010	-1.0	T__		m_e ML	3.7
CLZ	3.57	277.1	Pn	00:04:36.500	0.5	T__	11.3	m_e ML	3.9
CLZ	3.57	277.1	Pg	00:04:47.141	-0.8	T__	3.1	m_e	

GRA1	3.61	241.1	Pn	00:04:37.474	0.9	T__	11.6										m_e	ML	4.4		
NRDL	3.81	286.8	Pn	00:04:40.233	0.9	T__	4.1											m_e			
UBBA	3.90	261.7	Pn	00:04:40.918	0.4	T__	2.5											m_e	ML	3.9	
BSEG	4.24	306.6	Pn	00:04:44.123	-1.1	T__	12.0												m_e	ML	3.9
RJOB	4.37	210.7	Pn	00:04:48.143	1.3	T__	7.4												m_e	ML	4.3
RJOB	4.37	210.7	Pg	00:05:02.702	-0.3	T__	2.3												m_e		
FUR	4.59	224.6	Pn	00:04:50.990	1.0	T__	6.7												m_e	ML	4.6
TNS	5.01	257.7	Pn	00:04:56.230	0.7	T__	7.4												m_e	ML	4.2
STU	5.22	240.7	Pn	00:04:58.286	-0.2	T__	1.5												m_e	ML	4.6
KOE	5.39	261.3	Pn	00:05:00.300	-0.4	---													m_e		
BUG	5.50	272.4	Pn	00:05:03.097	0.8	T__	2.1												m_e	ML	3.9
BNS	5.62	267.6	Pn	00:05:03.000	-0.8	---													m_e		
HLG	5.62	301.2	Pn	00:05:04.388	0.5	T__	2.5												m_e		
STB	5.90	264.4	Pn	00:05:08.300	0.7	---													m_e		
STB	5.90	264.4	Sn	00:06:12.400	1.7	---							19.4	0.58					m_e		
BFO	5.94	240.4	Pn	00:05:07.817	-0.4	T__	3.7												m_e	ML	4.3
BFO	5.94	240.4	Sg	00:06:51.129	1.6	T__													m_e		
HILG	6.07	261.8	Pn	00:05:09.400	-0.6	---													m_e		
DREG	6.26	265.8	Pn	00:05:14.378	1.9	T__	1.9												m_e	ML	4.0

Event 90325008 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/25	14:28:15.90	0.24	0.26	51.4996	6.5539	4.3	2.3	177	1.0f		12	6	269			m i sr	LDG	90325038
2009/03/25	14:28:15.80	0.97	0.41	51.5110	6.5380				1.0f			7	303	0.73	1.40	m i ki	BNS	90325028
2009/03/25	14:28:16.37	0.34	0.63	51.4920	6.5810	4.4	2.2	125	1.0f		16	8	166	0.43	2.38	m i ki	BGR	90325018
2009/03/25	14:28:15.10			51.5490	6.5910				1.0f				263	0.04	0.44	m i ki	BUG	90325008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.4	4 LDG	90325038
ML	2.1		BNS	90325028
ML	2.4	0.2	4 BGR	90325018
ML	2.1		BUG	90325008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.04	200.3	Pg	14:28:15.800	0.0					T__				m__	ML	1.8
BRHE	0.04	200.3	Sg	14:28:16.600	0.3					T__				m__		
BUG	0.44	104.1	Pg	14:28:24.300	1.0					TA__				m_e	ML	2.1
BUG	0.44	104.1	Sg	14:28:31.000	2.0					TA__				m__		
WTSB	0.44	17.1	Pg	14:28:26.377	3.0					---	2.4			m_e		
WTSB	0.44	17.1	Sg	14:28:32.183	3.2					---				m_e		
HOBG	0.73	140.3	Pg	14:28:29.250	0.4					---				m_e		
HGN	0.89	208.0	Pg	14:28:31.759	-0.1					---	25.0			m_e		
HGN	0.89	208.0	Sg	14:28:43.055	-0.2					---				m_e		
DREG	0.91	194.4	Pg	14:28:32.137	-0.2					---	12.6			m_e	ML	2.4
DREG	0.91	194.4	Sg	14:28:44.406	0.3					---				m_e		
KLL	0.92	191.1	Pg	14:28:32.850	0.4					---				m_e		
STB	0.97	170.6	Pg	14:28:33.950	0.6					---				m_e		
STB	0.97	170.6	Sg	14:28:46.690	0.8					---		53.7	0.30	m_e		
MEM	1.01	201.6	Pg	14:28:33.861	-0.3					---	8.2			m_e		
MEM	1.01	201.6	Sg	14:28:46.818	-0.3					---				m_e		

IBBN	1.04	43.1	Sg	14:28:51.554	3.3	---	m_e	ML	2.4
HILG	1.26	177.4	Pg	14:28:38.560	-0.3	---	m_e		
KOE	1.33	147.0	Pg	14:28:39.940	-0.3	---	m_e		
BGG	1.42	160.4	Pg	14:28:41.230	-0.7	---	m_e		
TNS	1.77	137.8	Pn	14:28:47.447	1.4	---	m_e		2.7
TNS	1.77	137.8	Pg	14:28:48.544	0.1	---	m_e		7.1
TNS	1.77	137.8	Sg	14:29:11.925	0.6	---	m_e		
CLZ	2.36	81.4	Pg	14:28:59.731	0.1	---	m_e	ML	2.5
CLZ	2.36	81.4	Sg	14:29:31.596	1.5	---	m_e		

Event 90325014 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
2009/03/25	23:09:28.20	0.20	0.29	51.6648	7.7004	3.4	2.4	041	1.0f		17	7	294			m i sr	LDG	90325044
2009/03/25	23:09:28.50	0.57	0.31	51.6650	7.6930				1.0f			7	297	0.72	1.48	m i ki	BNS	90325034
2009/03/25	23:09:29.46	0.23	0.68	51.5760	7.7020	3.3	2.2	163	1.0f		22	11	077	0.30	1.68	m i ki	BGR	90325024
2009/03/25	23:09:27.80			51.6470	7.6870				1.0f							m i ki	BUG	90325014

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.5	5 LDG	90325044
ML	2.2		BNS	90325034
ML	2.2	0.1	6 BGR	90325024
ML	2.0		BUG	90325014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.33	231.7	Pg	23:09:35.100	1.0					TA_				m_e	ML 2.0
BUG	0.33	231.7	Sg	23:09:40.300	2.0					TA_				m_	
WTSB	0.64	300.5	Pg	23:09:41.977	2.2						4.4			m_e	
WTSB	0.64	300.5	Sg	23:09:51.163	3.2									m_e	
IBBN	0.66	3.8	Pg	23:09:43.832	3.6						2.0			m_e	ML 2.1
IBBN	0.66	3.8	Sg	23:09:52.676	3.9									m_e	
HOBG	0.70	198.5	Pg	23:09:41.850	0.9									m_e	
BNS	0.75	205.3	Pg	23:09:43.150	1.1									m_e	
RODG	1.07	242.5	Pg	23:09:48.560	0.7									m_e	
OPLO	1.13	268.7	Pg	23:09:51.602	2.6						2.6			m_e	
OPLO	1.13	268.7	Sg	23:10:06.248	2.7									m_e	
STB	1.18	207.1	Pg	23:09:51.270	1.2									m_e	
STB	1.18	207.1	Sg	23:10:07.080	1.8							40.8	0.50	m_e	
KOE	1.22	178.7	Pg	23:09:51.270	0.4									m_e	
DREG	1.34	223.4	Pg	23:09:53.584	0.5						3.4			m_e	ML 2.1
DREG	1.34	223.4	Sg	23:10:11.963	1.5									m_e	
HGN	1.41	231.9	Pn	23:09:54.220	0.4						0.9			m_e	
HGN	1.41	231.9	Pg	23:09:54.591	0.2						7.0			m_e	
HGN	1.41	231.9	Sg	23:10:12.943	0.3									m_e	
GTTG	1.42	93.2	Pg	23:09:56.154	1.6						2.8			m_e	ML 2.3
BGG	1.46	188.8	Pg	23:09:54.520	-0.7									m_e	
MEM	1.48	226.1	Pn	23:09:54.990	0.2						1.0			m_e	
MEM	1.48	226.1	Pg	23:09:55.944	0.3						4.8			m_e	
MEM	1.48	226.1	Sg	23:10:15.154	0.4									m_e	
TNS	1.50	161.1	Pn	23:09:54.914	-0.2						1.2			m_e	ML 2.1
UBBA	1.67	118.8	Pg	23:10:01.406	2.2						1.8			m_e	

UBBA	1.67	118.8	Sg	23:10:21.818	1.0	---													m_e	
CLZ	1.67	82.3	Pg	23:10:00.531	1.2	---					5.0								m_e ML	2.3
CLZ	1.67	82.3	Sg	23:10:22.981	2.0	---													m_e	

Event 90328005 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
2009/03/28	22:20:02.10	0.59	0.31	51.6580	7.5970				1.0f			8	296	0.51	1.48	m i ki	BNS	90328025
2009/03/28	22:20:01.69	0.31	0.51	51.6100	7.6940	4.4	3.3	147	1.0f		11	6	125	0.31	1.68	m i ki	BGR	90328015
2009/03/28	22:20:00.50			51.6360	7.7150				1.0f				201	0.12	0.34	m i ki	BUG	90328005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BNS	90328025
ML	2.1	0.1	5 BGR	90328015
ML	1.9		BUG	90328005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.12	33.2	Pg	22:20:04.900	2.1					T_				m_ ML	1.8
BAHL	0.12	33.2	Sg	22:20:07.700	3.4					T_				m_	
BUG	0.34	235.0	Pg	22:20:07.900	1.0					TA_				mde ML	1.9
BUG	0.34	235.0	Sg	22:20:13.300	2.0					TA_				m_	
LAUG	0.56	239.6	Pg	22:20:11.500	0.5									m_e	
IBBN	0.67	2.3	Pg	22:20:15.400	2.3									m_e ML	2.0
IBBN	0.67	2.3	Sg	22:20:25.220	3.4									m_e	
HOBG	0.69	200.2	Pg	22:20:15.380	1.8									m_e	
RODG	1.08	243.4	Pg	22:20:21.800	1.0									m_e	
STB	1.18	208.1	Pg	22:20:23.670	1.0									m_e	
STB	1.18	208.1	Sg	22:20:39.590	1.7							34.6	0.59	m_e	
KOE	1.21	179.5	Pg	22:20:24.650	1.3									m_e	
DREG	1.35	224.3	Pg	22:20:26.219	0.4									m_e ML	2.0
DREG	1.35	224.3	Sg	22:20:44.695	1.4									m_e	
GTTG	1.40	92.8	Pg	22:20:28.716	1.8									m_e ML	2.3
GTTG	1.40	92.8	Sg	22:20:49.106	4.1									m_e	
BGG	1.45	189.6	Pg	22:20:28.290	0.5									m_e	
TNS	1.49	161.6	Pg	22:20:29.215	0.7									m_e	
HILG	1.49	206.3	Pg	22:20:28.230	-0.4									m_e	
HILG	1.49	206.3	Sg	22:20:48.020	0.1									m_e	
CLZ	1.66	81.8	Pg	22:20:32.877	1.1									m_e ML	2.1
CLZ	1.66	81.8	Sg	22:20:55.847	2.7									m_e	

Event 90330001 SE of Belfort/F, French-Swiss border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/30	01:39:54.40			47.5000	7.1000				22.0							m i uk	SED	90330031
2009/03/30	01:39:58.30	0.05	0.38	47.4537	7.1218	0.9	0.8	119	18.3	0.5	66	27	037			m i ke	LDG	90330021
2009/03/30	01:39:54.83	0.64		47.4460	7.0040	11.1	5.6	041	25.3	0.2	22	15	309	0.48	4.65	m i ke	BGR	90330011
2009/03/30	01:39:54.49	0.08	0.13	47.4500	7.1490	1.5	1.2	357	23.0	2.0	17	13	159	0.24	2.34	m i ke	LED	90330001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		SED	90330031
ML	2.9	0.4	27 LDG	90330021
ML	2.5	0.3	5 BGR	90330011
ML	2.5	0.2	9 LED	90330001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LOMF	0.24	245.6	P*	01:40:00.470						T__				mci	
BBS	0.24	86.5	P*	01:40:00.510						T__				mci	
BALST	0.39	106.9	Sg	01:40:12.728	4.3					___				m_e	
MOF	0.40	358.5	P*	01:40:02.970						T__				mdi	
SULZ	0.66	82.7	Pn	01:40:07.226	-0.5					___				m_e ML	2.3
SULZ	0.66	82.7	Sg	01:40:20.526	4.2					___				m_e	
FELD	0.72	53.2	Pn	01:40:07.730	-0.8					T__				mci	
FELD	0.72	53.2	Pg	01:40:08.310	-0.2					T__				m__	
KIZ	0.72	45.4	Pn	01:40:07.550	-1.1					T__				mci ML	2.9
KIZ	0.72	45.4	Pg	01:40:08.240	-0.4					T__				m__	
KIZ	0.72	45.4	Sg	01:40:17.870	-0.5					T__				m__	
FBB	0.73	40.4	Pg	01:40:08.260	-0.5					T__				m__	
ECH	0.77	0.5	Pn	01:40:08.350	-0.9					T__				mde ML	3.4
ECH	0.77	0.5	Pg	01:40:08.850	-0.6					T__				m__	
ECH	0.77	0.5	Sg	01:40:18.300	-1.4					___				m__	
SLE	0.96	70.3	Pn	01:40:11.129	-0.7					___				m_e	
SLE	0.96	70.3	Sg	01:40:28.823	3.1					___				m_e	
THEF	1.10	315.5	Pg	01:40:14.540	-1.0					T__				mce	
THEF	1.10	315.5	Sg	01:40:29.420	-0.6					___				m__	
BFO	1.18	41.5	Sn	01:40:31.560	2.1					___				m_e	
BFO	1.18	41.5	Sg	01:40:35.626	3.0					___				m_e	
WILA	1.19	91.1	Pn	01:40:15.218	0.2					___				m_e	
WILA	1.19	91.1	Sn	01:40:33.057	3.5					___				m_e	
WILA	1.19	91.1	Sg	01:40:36.621	3.8					___				m_e	
SISB	1.25	78.4	Pn	01:40:15.460	-0.3					T__				m__ ML	2.5
GUT	1.46	64.1	P	01:40:17.760						T__				mci ML	2.4
PLONS	1.57	104.0	Pn	01:40:21.072	1.0					___				m_e	
PLONS	1.57	104.0	Sg	01:40:48.236	3.5					___				m_e	
LBG	1.64	41.6	P	01:40:19.700						T__				mce ML	2.5
BUCH	1.78	55.1	P	01:40:21.940						T__				m__ ML	2.8
DAVA	1.86	94.0	Sg	01:40:57.196	3.3					___				m_e ML	2.4
UBR	2.01	82.3	Pg	01:40:28.530	-4.0					___				m__ ML	2.5
WLF	2.31	343.8	Sg	01:41:08.403	0.2					___				m_e	
HDH	2.34	59.9	Pg	01:40:38.750	0.0					___				m__ ML	2.8
FUR	2.86	74.1	Sg	01:41:26.064	0.4					___				m_e	
TNS	2.90	16.6	Sg	01:41:26.716	-0.2					___				m_e ML	2.7
WTTA	3.05	91.9	Pn	01:40:43.332	3.2					___				m_e	
GRA1	3.50	48.7	Sg	01:41:45.251	-0.8					___				m_e ML	3.1
RJOB	3.82	83.6	Pn	01:40:52.535	1.9					___				m_e	
KBA	4.22	92.8	Pn	01:40:58.809	2.7					___				m_e	
TANN	4.58	47.7	Sg	01:42:21.486	1.4					___				m_e	

Event 90330010 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
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2009/03/30 17:45:52.57 0.53 0.65 51.4830 16.0760 7.8 2.2 016 1.0f 20 15 199 0.65 3.56 m i ki BGR 90330030

Magnitude Err Nsta Author OrigID
ML 3.0 0.4 8 BGR 90330030

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	167.9	Pg	17:46:04.936	0.0					T__				m_e	
DPC	1.14	172.1	Pg	17:46:13.852	-0.3					T__				m_e	ML 2.5
DPC	1.14	172.1	Sg	17:46:30.603	1.7					T__				m_e	
BRG	1.47	246.3	Pg	17:46:20.314	0.0					T__				m_e	ML 2.9
BRG	1.47	246.3	Sg	17:46:40.278	1.0					T__				m_e	
FBE	1.80	252.8	Pg	17:46:26.486	0.1					T__				m_e	ML 2.6
FBE	1.80	252.8	Sg	17:46:50.468	0.9					T__				m_e	
CLL	1.93	266.0	Pn	17:46:24.993	-0.6					T__				m_e	ML 2.9
CLL	1.93	266.0	Pg	17:46:28.320	-0.5					T__				m_e	
CLL	1.93	266.0	Sg	17:46:54.467	0.7					T__				m_e	
MORC	1.94	150.8	Pn	17:46:25.413	-0.5					T__				m_e	
OKC	2.10	140.6	Pn	17:46:27.381	-0.7					T__				m_e	
TANN	2.51	246.3	Pn	17:46:34.813	1.2					T__				m_e	
OJC	2.67	116.8	Sg	17:47:17.815	0.5					T__				m_e	ML 3.0
MOX	2.93	255.1	Sg	17:47:26.344	0.8					T__				m_e	ML 3.4
ROTZ	2.99	236.5	Pn	17:46:41.030	0.9					T__				m_e	
GEC2	3.04	210.9	Pn	17:46:42.377	1.6					T__				m_e	
WET	3.10	222.4	Pn	17:46:42.444	0.8					T__				m_e	
CLZ	3.56	278.0	Sg	17:47:46.006	0.5					T__				m_e	ML 3.2
GRA1	3.56	241.7	Sg	17:47:46.544	0.8					T__				m_e	ML 3.6

Event 90330012 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/03/30	19:10:07.34	0.68	0.59	51.4360	6.6350	10.0	3.3	131	1.0f		10	6	200	0.40	2.35	m i ki	BGR	90330022
2009/03/30	19:10:06.10			51.5430	6.5790				1.0f				272	0.03	0.44	m i ki	BUG	90330012

(#PRIME)

Magnitude Err Nsta Author OrigID
ML 2.0 0.2 3 BGR 90330022
ML 1.9 BUG 90330012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.03	190.1	Pg	19:10:07.100	0.4					T__				m__	ML 1.7
BRHE	0.03	190.1	Sg	19:10:07.900	0.9					T__				m__	
BUG	0.44	103.1	Pg	19:10:15.400	1.0					TA__				m_e	ML 1.9
BUG	0.44	103.1	Sg	19:10:22.200	2.1					TA__				m__	
DREG	0.91	194.0	Pg	19:10:23.244	0.1					---				m_e	ML 2.2
DREG	0.91	194.0	Sg	19:10:35.657	0.8					---				m_e	
IBBN	1.05	43.2	Sg	19:10:44.174	4.6					---				m_e	
TNS	1.77	137.5	Pg	19:10:38.797	-0.7					---				m_e	
WLF	1.90	188.4	Pg	19:10:41.292	-0.6					---				m_e	ML 2.1
WLF	1.90	188.4	Sg	19:11:04.452	-1.9					---				m_e	
CLZ	2.37	81.3	Pg	19:10:51.315	0.5					---				m_e	
CLZ	2.37	81.3	Sg	19:11:22.595	1.2					---				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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