

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 90104002 Feldkirch/A, Swiss-Liechtenstein-Austrian border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/04	15:30:32.00	0.27	0.11	47.1920	9.4500				10.0f			8	349	3.32	4.47	m i ke	BNS	90104052
2009/01/04	15:30:30.00	0.06	1.12	47.2373	9.3728	1.6	1.4	179	3.0f		238	39	014			m i ke	LDG	90104042
2009/01/04	15:30:30.00			47.1750	9.3600				3.0				0			m i ke	SED	90104032
2009/01/04	15:30:31.23	0.56	0.77	47.2747	9.3899	3.8	2.4	051	8.6	2.2	50	14	331			m i fe	ZAMG	90104022
2009/01/04	15:30:32.45	0.39	1.18	47.2660	9.4100	7.8	3.3	031	10.0f		36	23	219	0.32	4.67	m i ke	BGR	90104012
2009/01/04	15:30:30.30	0.20	0.47	47.1500	9.3900	2.0	2.0	135	10.0f		34	16	115	0.36	3.31	m i ke	LED	90104002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BNS	90104052
MD	4.2	0.2	5 LDG	90104042
ML	4.5	0.2	40 LDG	90104042
ML	4.1		SED	90104032
ML	4.3	0.4	20 ZAMG	90104022
ML	4.4	0.3	14 BGR	90104012
ML	4.4	0.3	23 LED	90104002

Effects	Loctyp	Location	Intensity	Scale	Author
D	Summar		5.0	EMS	ZAMG
(Slight damage around Feldkirch.)					

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.36	67.5	P*	15:30:37.360						T__				m_i	
DAVA	0.36	67.5	Sg	15:30:43.568	1.5					__				m_e	
LLS	0.40	220.9	P*	15:30:38.200						T__				mci ML	4.1
LLS	0.40	220.9	S*	15:30:44.350						T__				m_i	
WILA	0.42	309.1	P*	15:30:38.370						T__				mdi ML	4.5
WILA	0.42	309.1	S*	15:30:44.730						T__				m_i	
MUO	0.54	250.8	P*	15:30:41.120						T__				mci ML	4.4
MUO	0.54	250.8	S*	15:30:49.440						T__				m__	
ZUR	0.59	292.0	P*	15:30:41.760						T__				mdi ML	4.4
ZUR	0.59	292.0	S*	15:30:50.080						T__				m__	
SISB	0.61	331.9	P*	15:30:41.890						T__				mdi ML	4.0
SISB	0.61	331.9	S*	15:30:50.590						T__				m__	
SISB	0.61	331.9	SmS	15:30:55.300	1.0					T__				m__	
OBER	0.66	66.9	P*	15:30:43.410						T__				mce ML	4.3
OBER	0.66	66.9	Pg	15:30:42.200	-0.7					__				mce	
OBER	0.66	66.9	S*	15:30:54.040						T__				m__	
OBER	0.66	66.9	Sg	15:30:54.200	2.6					__				mci	
UBR	0.72	42.2	P*	15:30:44.820						T__				mci ML	4.5
UBR	0.72	42.2	S*	15:30:55.460						T__				m__	
UBR	0.72	42.2	SmS	15:31:00.020	2.8					T__				m_i	
SLE	0.86	315.8	P*	15:30:46.380						T__				mdi ML	4.2
SLE	0.86	315.8	PmP	15:30:48.110	-0.6					T__				mdi	
SLE	0.86	315.8	S*	15:30:57.680						__				m__	
SLE	0.86	315.8	SmS	15:31:00.350	-0.9					T__				m__	
GUT	0.94	348.7	Pn	15:30:47.790	-1.1					T__				mdi ML	4.6
GUT	0.94	348.7	Pg	15:30:49.260	1.2					T__				mci	
GUT	0.94	348.7	Sn	15:31:00.340	-1.7					T__				m__	

GUT	0.94	348.7	Sg	15:31:02.510	2.2
SPAK	1.04	337.1	Pn	15:30:49.690	-0.5
FELD	1.18	308.3	Pn	15:30:52.350	0.1
PART	1.22	72.8	Pn	15:30:53.600	0.9
PLON	1.22	72.8	P*	15:30:33.120	
PLON	1.22	72.8	S*	15:30:35.400	
KIZ	1.28	309.6	Pn	15:30:53.650	0.1
KIZ	1.28	309.6	Sg	15:31:10.980	-0.1
BUCH	1.30	358.9	Pn	15:30:53.940	0.1
BUCH	1.30	358.9	Sn	15:31:10.530	0.1
BBS	1.31	284.5	Pn	15:30:54.760	0.8
FBB	1.34	310.0	Pn	15:30:54.620	0.2
BFO	1.38	329.2	Pn	15:30:55.010	0.1
BFO	1.38	329.2	Sg	15:31:12.958	-1.2
TUBL	1.39	351.6	Pn	15:30:55.220	0.2
TUBL	1.39	351.6	Sn	15:31:12.290	-0.3
HDH	1.54	20.6	Pn	15:30:56.780	-0.2
HDH	1.54	20.6	Sg	15:31:19.550	0.4
LIBD	1.57	310.4	Pn	15:30:57.940	0.5
LIEN	1.57	310.4	P*	15:30:33.080	
LBG	1.57	345.5	Pn	15:30:57.440	0.0
LBG	1.57	345.5	Sn	15:31:16.540	-0.2
SCE	1.58	93.2	Pn	15:31:00.400	2.7
FUR	1.62	50.7	Pn	15:30:59.570	1.4
FUR	1.62	50.7	Pg	15:31:01.422	0.5
FUR	1.62	50.7	Sg	15:31:22.802	0.8
STU	1.63	355.4	Pn	15:30:58.200	-0.0
STU	1.63	355.4	Sg	15:31:21.578	-0.5
MOF	1.68	295.5	Pn	15:30:59.710	0.8
LOMF	1.75	277.5	Pn	15:31:01.060	1.1
NORI	1.77	27.3	Pn	15:31:00.100	-0.2
NORI	1.77	27.3	Sg	15:31:27.000	0.2
ECH	1.84	306.2	Pn	15:31:01.600	0.4
LANF	2.11	330.5	Pn	15:31:05.510	0.7
SIND	2.20	3.7	Pn	15:31:05.500	-0.6
KTD	2.34	338.6	Pn	15:31:08.450	0.6
RJOB	2.38	74.4	Pn	15:31:11.567	3.2
TOD	2.49	351.2	Pn	15:31:09.910	0.0
THEF	2.53	296.5	Pn	15:31:11.630	1.2
KBA	2.69	90.1	Pn	15:31:16.858	4.2
KBA	2.69	90.1	Sg	15:31:57.628	1.8
GRA1	2.82	24.9	Pn	15:31:13.417	-1.0
RUP	2.98	329.6	Pn	15:31:17.960	1.3
ABH	2.99	336.6	Pn	15:31:17.850	1.1
WET	3.06	48.1	Pn	15:31:18.753	1.0
TNS	3.13	348.9	Pn	15:31:19.060	0.4
TNS	3.13	348.9	Sg	15:32:09.054	-0.9
ROTZ	3.21	34.5	Pn	15:31:19.248	-0.5
WLF	3.31	320.7	Pn	15:31:23.010	2.0
BGG	3.34	336.8	Pn	15:31:22.800	1.3
GEC2	3.35	58.0	Pn	15:31:23.148	1.6
GEC2	3.35	58.0	Sg	15:32:16.045	-0.6
MOA	3.37	76.2	Pn	15:31:24.572	2.7
MOA	3.37	76.2	Pg	15:31:33.269	-0.5

T__	m_i	
T__	mdi	
T__	mdi	
---	mci ML	3.9
T__	mdi ML	3.8
T__	m__	
T__	mdi ML	4.2
T__	m__	
T__	mdi ML	4.6
T__	m__	
T__	mdi	
---	m__	
---	mdi ML	4.3
---	m_e	
---	mdi ML	4.5
---	m__	
---	mci ML	4.8
---	m__	
---	mde	
---	mci ML	4.1
---	mdi ML	4.7
---	m__	
---	mdi ML	4.3
---	m_e ML	4.6
---	m_e	
---	md ML	4.7
---	m_e	
---	mdi	
---	mdi	
---	mci ML	4.7
---	mci	
---	mde ML	3.7
---	mdi	
---	mde ML	4.5
---	mde	
---	m_e ML	4.2
---	mdi	
---	mde	
---	m_e ML	4.2
---	m_e	
---	m_e ML	4.7
---	m__	
---	mdi	
---	m_e ML	4.6
---	mde ML	4.3
---	m_e	
---	m_e ML	4.5
---	mde ML	3.8
---	m_e	
---	m_e ML	4.5
---	m_e	
---	m_e	
---	m_e	

MOA	3.37	76.2	Sg	15:32:19.455	2.2													m_e
KOE	3.45	342.2	Pn	15:31:24.300	1.3													m_e
OBKA	3.59	98.4	Pn	15:31:28.968	4.1													m_e ML 4.5
OBKA	3.59	98.4	Pg	15:31:37.923	0.0													m_e
HILG	3.61	331.4	Pn	15:31:26.500	1.3													m_e
UBBA	3.69	6.0	Pn	15:31:26.204	-0.0													m_e ML 4.5
UBBA	3.69	6.0	Pg	15:31:40.184	0.3													m_e
UBBA	3.69	6.0	Sg	15:32:26.394	-1.2													m_e
MOX	3.79	21.9	Pn	15:31:26.210	-1.3													m_e ML 4.9
TANN	3.84	30.6	Pn	15:31:26.970	-1.3													m_e
KLL	4.04	331.1	Pn	15:31:32.300	1.3													m_e
HOBG	4.06	341.4	Pn	15:31:32.600	1.3													m_e
DREG	4.08	330.6	Pn	15:31:33.166	1.7													m_e
BNS	4.08	340.0	Pn	15:31:33.000	1.5													m_e
BNS	4.08	340.0	Sn	15:32:19.400	3.6						317.3	0.33						m_e
ARSA	4.17	86.4	Pn	15:31:35.747	3.1													m_e
LAUG	4.49	340.1	Pn	15:31:38.500	1.4													m_e
BUG	4.51	342.9	Pn	15:31:38.543	1.2													m_e
CLZ	4.73	7.4	Pn	15:31:40.759	0.4													m_e
BRG	4.77	37.0	Pn	15:31:40.639	-0.2													m_e
CLL	4.78	28.2	Pn	15:31:39.618	-1.4													m_e

Event 90104003 Feldkirch/A, Swiss-Liechtenstein-Austrian border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/04	15:48:47.40	0.08	0.76	47.2106	9.4142	1.8	1.5	155	4.0f		102	33	041			m i ke	LDG	90104043
2009/01/04	15:48:47.20			47.2000	9.4000				4.0				0			m i uk	SED	90104033
2009/01/04	15:48:48.85	0.55	0.62	47.1431	9.4497	3.4	2.5	051	7.0	2.4	35	12	324			m i fe	ZAMG	90104023
2009/01/04	15:48:49.87	0.41	1.33	47.2490	9.4300	7.8	4.4	030	10.0f		30	18	219	0.31	3.74	m i ke	BGR	90104013
2009/01/04	15:48:47.60	0.20	0.41	47.1500	9.3700	3.0	2.0	064	10.0f		23	13	108	0.37	3.30	m i ke	LED	90104003
#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
MD	3.5	0.1	3 LDG	90104043
ML	3.3	0.2	35 LDG	90104043
ML	3.1		SED	90104033
ML	3.2	0.6	18 ZAMG	90104023
ML	3.1	0.4	13 BGR	90104013
ML	3.2	0.2	19 LED	90104003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.37	68.3	P*	15:48:54.470						T_				m_i	
DAVA	0.37	68.3	Sg	15:49:00.660	0.9									m_e	
LLS	0.39	219.3	P*	15:48:55.310						T_				mde ML	2.9
LLS	0.39	219.3	S*	15:49:01.470						T_				m_	
WILA	0.41	310.3	P*	15:48:55.710						T_				mdi ML	3.6
WILA	0.41	310.3	S*	15:49:02.020						T_				m_i	
SISB	0.60	333.0	P*	15:48:59.140						T_				mdi ML	3.0
SISB	0.60	333.0	S*	15:49:08.030						T_				m_i	
OBER	0.68	67.4	Pg	15:49:01.000	0.5									mdi ML	2.7
OBER	0.68	67.4	Sg	15:49:11.300	2.0									mdi	
UBR	0.73	43.0	P*	15:49:01.920						T_				mci ML	3.4

UBR	0.73	43.0	S*	15:49:12.590		T__	m_i	
UBR	0.73	43.0	SmS	15:49:17.150	2.3	T__	m__	
SLE	0.86	316.4	P*	15:49:03.660		T__	mdi ML	3.5
SLE	0.86	316.4	PmP	15:49:05.350	-0.5	T__	m_i	
SLE	0.86	316.4	S*	15:49:15.080		T__	m__	
SLE	0.86	316.4	SmS	15:49:17.710	-0.6	T__	m_i	
GUT	0.94	349.5	Pn	15:49:05.010	-1.2	T__	mdi ML	3.2
SPAK	1.03	337.8	Pn	15:49:06.870	-0.6	T__	m__	
FELD	1.17	308.7	Pn	15:49:09.730	0.3	T__	mce	
PART	1.23	73.0	Pn	15:49:10.900	0.7	___	mce ML	2.8
PLON	1.23	73.0	P*	15:48:50.260		T__	mdi ML	2.5
PLON	1.23	73.0	S*	15:48:52.840		T__	m_i	
KIZ	1.27	310.0	Pn	15:49:10.880	0.2	T__	mde ML	3.4
BUCH	1.30	359.5	Pn	15:49:11.150	0.0	T__	mdi ML	3.3
BBS	1.30	284.7	Pn	15:49:12.950	1.8	T__	mci	
BFO	1.37	329.7	Pn	15:49:12.260	0.2	___	mde ML	3.3
BFO	1.37	329.7	Pg	15:49:13.340	-0.2	___	m__	
BFO	1.37	329.7	Sg	15:49:31.769	0.5	___	m_e	
TUBL	1.39	352.1	Pn	15:49:12.480	0.2	___	m__ ML	3.1
HDH	1.54	21.1	Pn	15:49:13.980	-0.4	___	mdi ML	3.7
HDH	1.54	21.1	Sg	15:49:37.070	0.5	___	m_i	
WTTA	1.54	84.9	Pn	15:49:15.926	1.5	___	m_e ML	2.9
LIBD	1.55	310.7	P	15:49:17.220		___	m__	
LIEN	1.55	310.7	P*	15:48:50.210		___	mci ML	3.1
LBG	1.56	345.9	Pn	15:49:14.700	0.0	___	mde ML	3.2
LBG	1.56	345.9	Sn	15:49:33.730	-0.2	___	m__	
SCE	1.60	93.1	Pn	15:49:17.600	2.5	___	mci ML	3.2
STU	1.63	355.9	Pn	15:49:15.150	-0.4	___	m__ ML	3.4
STU	1.63	355.9	Sg	15:49:38.907	-0.4	___	m_e	
FUR	1.63	51.0	Pn	15:49:18.451	2.8	___	m_e ML	3.4
FUR	1.63	51.0	Sg	15:49:40.603	1.0	___	m_e	
MOF	1.67	295.7	Pn	15:49:17.810	1.7	___	m__	
LOMF	1.74	277.6	Pn	15:49:18.140	1.1	___	m__	
NORI	1.78	27.7	Pn	15:49:17.500	-0.1	___	mci	
NORI	1.78	27.7	Sg	15:49:44.200	-0.1	___	mci	
ECH	1.83	306.4	Pn	15:49:18.900	0.6	___	mde ML	2.6
SIND	2.20	4.0	Pn	15:49:22.690	-0.7	___	mde ML	3.2
RJOB	2.39	74.5	Pn	15:49:28.936	3.0	___	m_e ML	3.0
RJOB	2.39	74.5	Sg	15:50:05.410	1.8	___	m_e	
KBA	2.71	90.1	Pn	15:49:33.797	3.6	___	m_e ML	2.9
KBA	2.71	90.1	Pg	15:49:37.992	-0.6	___	m_e	
GRA1	2.82	25.1	Pg	15:49:40.224	-0.6	___	m_e ML	3.5
WET	3.07	48.3	Pn	15:49:35.913	0.7	___	m_e ML	3.4
TNS	3.13	349.1	P	15:49:36.440		___	m__ ML	2.9
TNS	3.13	349.1	Pg	15:49:47.217	0.6	___	m_e	
TNS	3.13	349.1	Sg	15:50:27.360	0.2	___	m_e	
ROTZ	3.22	34.7	Pn	15:49:37.097	-0.1	___	m_e ML	3.4
WLF	3.30	320.8	Pn	15:49:40.610	2.4	___	m__ ML	2.8
GEC2	3.36	58.1	Pn	15:49:40.299	1.3	___	m_e ML	3.3
GEC2	3.36	58.1	Pg	15:49:49.380	-1.5	___	m_e	
GEC2	3.36	58.1	Sg	15:50:32.057	-2.2	___	m_e	
MOA	3.38	76.3	Pn	15:49:41.740	2.4	___	m_e	
MOA	3.38	76.3	Pg	15:49:50.249	-1.1	___	m_e	
OBKA	3.60	98.4	Pn	15:49:46.388	4.1	___	m_e	

UBBA	3.69	6.2	Pn	15:49:44.162	0.6	---	m_e
MOX	3.79	22.1	Pn	15:49:43.815	-1.1	---	m_e
TANN	3.85	30.8	Pg	15:50:01.057	0.9	---	m_e ML 3.5
TANN	3.85	30.8	Sg	15:50:49.269	-0.6	---	m_e

Event 90106005 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/06	16:09:23.04	0.62	2.25	45.8410	10.6640	21.1	12.2	037	10.0f		27	15	253	1.54	4.85	m i ke	BGR	90106005

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	7 BGR	90106005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	1.54	339.8	Pn	16:09:51.662	1.8					T_				m_e ML	2.7
DAVA	1.54	339.8	Sn	16:10:08.341	-0.6					T_				m_e	
WTTA	1.57	24.8	Pn	16:09:52.777	2.5					T_				m_e ML	3.0
WTTA	1.57	24.8	Sn	16:10:08.979	-0.6					T_				m_e	
KBA	2.22	55.2	Pn	16:09:58.933	-0.1					T_				m_e ML	2.9
FUR	2.36	10.0	Pn	16:10:02.989	2.1					T_				m_e	
RJOB	2.39	36.8	Pn	16:10:03.518	2.2					T_				m_e	
RJOB	2.39	36.8	Pg	16:10:08.182	0.0					T_				m_e	
OBKA	2.77	74.7	Pn	16:10:01.463	-5.0					T_				m_e ML	3.4
BFO	2.95	328.3	Pn	16:10:07.672	-1.3					T_				m_e ML	3.1
BFO	2.95	328.3	Pg	16:10:21.093	2.4					T_				m_e	
MOA	3.18	49.5	Pn	16:10:11.813	-0.2					T_				m_e	
WET	3.63	23.6	Pn	16:10:19.038	1.0					T_				m_e ML	3.2
WET	3.63	23.6	Pg	16:10:33.391	2.0					T_				m_e	
ARSA	3.63	65.4	Pn	16:10:14.999	-3.1					T_				m_e	
ARSA	3.63	65.4	Pg	16:10:34.580	3.2					T_				m_e	
GEC2	3.64	33.3	Pn	16:10:18.723	0.4					T_				m_e ML	3.2
GEC2	3.64	33.3	Pg	16:10:33.386	1.7					T_				m_e	
ROTZ	4.06	14.2	Pn	16:10:24.268	0.3					T_				m_e	
ROTZ	4.06	14.2	Pg	16:10:38.936	-0.6					T_				m_e	
TNS	4.62	342.1	Pg	16:10:46.207	-4.0					T_				m_e	
TNS	4.62	342.1	Sg	16:11:50.348	0.4					T_				m_e	
TANN	4.73	14.0	Pn	16:10:33.633	0.6					T_				m_e	
TANN	4.73	14.0	Pg	16:10:48.083	-4.1					T_				m_e	
MOX	4.85	7.2	Pn	16:10:35.578	1.0					T_				m_e	
MOX	4.85	7.2	Pg	16:10:49.661	-4.7					T_				m_e	
MOX	4.85	7.2	Sg	16:11:56.930	-0.1					T_				m_e	

Event 90108003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/08	11:23:18.70	0.34	1.12	50.3250	18.8060	6.7	4.4	006	1.0f		23	12	170	0.64	4.14	m i ki	BGR	90108003

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.3	10 BGR	90108003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.64	99.1	Pg	11:23:29.749	-1.1					T__				m_e	ML 3.2
OJC	0.64	99.1	Sg	11:23:39.404	0.3					T__				m_e	
OKC	0.65	221.2	Pg	11:23:31.370	0.5					T__				m_e	ML 2.7
OKC	0.65	221.2	Sg	11:23:41.296	2.1					T__				m_e	
MORC	0.98	236.4	Pg	11:23:37.024	-0.1					T__				m_e	ML 3.2
MORC	0.98	236.4	Sg	11:23:50.778	1.0					T__				m_e	
DPC	1.59	271.9	Pn	11:23:47.257	0.1					T__				m_e	ML 3.0
DPC	1.59	271.9	Sg	11:24:09.001	-0.1					T__				m_e	
KSP	1.68	289.0	Pn	11:23:49.270	0.9					T__				m_e	ML 3.1
KSP	1.68	289.0	Sg	11:24:12.025	0.0					T__				m_e	
BRG	3.13	281.9	Pg	11:24:17.550	-0.2					T__				m_e	ML 3.4
BRG	3.13	281.9	Sg	11:24:58.342	0.1					T__				m_e	
FBE	3.51	281.9	Pg	11:24:25.770	0.9					T__				m_e	
GEC2	3.62	247.9	Pg	11:24:25.451	-1.5					T__				m_e	ML 3.7
GEC2	3.62	247.9	Sg	11:25:12.876	-1.0					T__				m_e	
CLL	3.79	287.2	Pg	11:24:31.259	1.0					T__				m_e	ML 3.7
CLL	3.79	287.2	Sg	11:25:19.966	0.7					T__				m_e	
WET	4.01	255.1	Pg	11:24:33.105	-1.1					T__				m_e	
WET	4.01	255.1	Sg	11:25:23.755	-2.3					T__				m_e	
TANN	4.05	273.7	Pn	11:24:21.731	1.2					T__				m_e	ML 3.6
TANN	4.05	273.7	Sg	11:25:27.872	0.6					T__				m_e	
WERD	4.14	274.2	Pg	11:24:35.919	-0.9					T__				m_e	ML 3.6
WERD	4.14	274.2	Sg	11:25:30.226	-0.1					T__				m_e	

Event 90109006 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/09	23:52:09.61	0.87	1.22	44.3030	10.2830	15.6	10.0	025	10.0f		19	12	290	3.00	6.41	m i ke	BGR	90109006

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.1	8 BGR	90109006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	3.00	354.8	Pn	23:52:57.224	1.1					T__	4.3			m_e	ML 3.2
DAVA	3.00	354.8	Sn	23:53:31.313	1.6					T__				m_e	
WTTA	3.11	17.2	Pn	23:52:58.174	0.5					T__	10.4			m_e	ML 3.3
WTTA	3.11	17.2	Sn	23:53:33.870	1.6					T__				m_e	
KBA	3.50	36.5	Pn	23:53:01.726	-1.3					T__	3.3			m_e	
OBKA	3.72	52.1	Pn	23:53:06.143	0.2					T__	2.0			m_e	ML 3.2
OBKA	3.72	52.1	Sn	23:53:47.249	0.6					T__				m_e	
RJOB	3.85	26.0	Pn	23:53:08.243	0.5					T__	2.5			m_e	
BFO	4.25	342.2	Pn	23:53:12.820	-0.3					T__	1.7			m_e	ML 3.1
BFO	4.25	342.2	Sn	23:53:56.910	-2.1					T__				m_e	
MOA	4.49	36.5	Pn	23:53:16.680	0.2					T__	3.6			m_e	ML 3.1
MOA	4.49	36.5	Sn	23:54:05.065	0.2					T__				m_e	
GEC2	5.11	26.1	Pn	23:53:24.026	-0.8					T__	5.3			m_e	ML 3.2
GEC2	5.11	26.1	Sn	23:54:17.498	-1.9					T__				m_e	
WET	5.16	19.2	Pn	23:53:24.113	-1.3					T__	2.2			m_e	ML 3.2
WET	5.16	19.2	Sn	23:54:17.718	-2.7					T__				m_e	
ROTZ	5.62	12.8	Pn	23:53:29.659	-2.0					T__	1.9			m_e	
TNS	6.05	348.8	Sn	23:54:41.724	0.3					T__				m_e	ML 3.5

MOX 6.41 7.6 Sn 23:54:48.215 -1.6 T__ m_e

Event 90110004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/10	17:12:29.50			51.5900	15.9080				5.0f							m i uk	NEIC	90110024
2009/01/10	17:12:32.10	0.39	0.21	51.6050	16.1520				5.0f			9	348	5.42	6.29	m i ke	BNS	90110014
2009/01/10	17:12:31.91	0.46	0.76	51.5160	16.1280	6.7	2.2	023	1.0f		25	16	201	0.68	3.61	m i ki	BGR	90110004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		NEIC	90110024
ML	3.7		BNS	90110014
ML	3.9	0.4	16 BGR	90110004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	171.2	Pg	17:12:45.256	0.5					T__				m_e ML	3.0
KSP	0.68	171.2	Sg	17:12:51.678	-1.9					T__				m_e	
DPC	1.17	173.9	Pg	17:12:54.098	0.1					T__				m_e ML	3.5
DPC	1.17	173.9	Sg	17:13:09.505	0.4					T__				m_e	
BRG	1.51	245.7	Pg	17:12:58.666	-1.8					T__				m_e ML	4.0
BRG	1.51	245.7	Sg	17:13:20.512	0.5					T__				m_e	
FBE	1.84	252.2	Pn	17:13:03.402	-0.3					T__	104.5			m_e ML	3.8
FBE	1.84	252.2	Pg	17:13:06.055	-0.5					___				m_e	
FBE	1.84	252.2	Sg	17:13:30.454	0.2					T__				m_e	
MORC	1.96	152.2	Pn	17:13:05.620	0.2					T__	278.2			m_e ML	3.5
MORC	1.96	152.2	Sg	17:13:34.628	0.6					T__				m_e	
CLL	1.96	265.1	Pn	17:13:04.591	-0.8					T__	88.6			m_e ML	3.9
CLL	1.96	265.1	Pg	17:13:08.530	-0.3					___				m_e	
CLL	1.96	265.1	Sg	17:13:33.930	-0.3					T__				m_e	
OKC	2.11	141.9	Pn	17:13:07.041	-0.4					T__	8.3			m_e ML	4.0
OKC	2.11	141.9	Pg	17:13:11.614	-0.1					___				m_e	
OKC	2.11	141.9	Sg	17:13:39.767	0.8					T__				m_e	
TANN	2.56	245.9	Pn	17:13:13.402	-0.1					T__	37.4			m_e ML	4.1
TANN	2.56	245.9	Pg	17:13:20.107	-0.0					___				m_e	
TANN	2.56	245.9	Sg	17:13:53.086	-0.1					T__				m_e	
WERD	2.63	247.5	Pn	17:13:14.727	0.2					T__	28.3			m_e ML	4.0
WERD	2.63	247.5	Pg	17:13:21.264	-0.2					___				m_e	
WERD	2.63	247.5	Sg	17:13:54.377	-1.1					___				m_e	
OJC	2.65	117.8	Pn	17:13:13.498	-1.3					T__	6.1			m_e ML	4.0
OJC	2.65	117.8	Pg	17:13:21.354	-0.6					___				m_e	
OJC	2.65	117.8	Sg	17:13:57.413	1.2					___				m_e	
MGBB	2.92	239.6	Pn	17:13:18.900	0.5					___				mdi ML	3.9
MOX	2.97	254.7	Pn	17:13:19.064	0.0					T__	11.6			m_e ML	4.4
MOX	2.97	254.7	Pg	17:13:27.763	-0.0					___				m_e	
MOX	2.97	254.7	Sg	17:14:06.838	0.7					T__				m_e	
ROTZ	3.04	236.4	Pn	17:13:20.480	0.4					T__	48.3			m_e ML	3.9
ROTZ	3.04	236.4	Pg	17:13:28.469	-0.7					___				m_e	
ROTZ	3.04	236.4	Sg	17:14:07.832	-0.6					___				m_e	
GEC2	3.09	211.1	Pn	17:13:21.319	0.6					T__	72.7			m_e ML	4.0
GEC2	3.09	211.1	Pg	17:13:29.719	-0.4					___				m_e	
GEC2	3.09	211.1	Sg	17:14:08.879	-1.2					___				m_e	

WET	3.15	222.4	Pn	17:13:22.005	0.4	T__	63.6	m_e	ML	3.9
WET	3.15	222.4	Sg	17:14:12.894	0.9	---	---	m_e	---	---
CLZ	3.58	277.5	Pn	17:13:27.953	0.5	T__	27.3	m_e	ML	4.1
CLZ	3.58	277.5	Pg	17:13:39.143	-0.3	---	---	m_e	---	---
CLZ	3.58	277.5	Sg	17:14:26.493	0.8	---	---	m_e	---	---
GRA1	3.61	241.6	Pn	17:13:28.831	1.1	T__	26.7	m_e	ML	4.6
GRA1	3.61	241.6	Pg	17:13:40.616	0.7	---	---	m_e	---	---
GRA1	3.61	241.6	Sg	17:14:27.445	0.9	---	---	m_e	---	---
HROE	3.88	257.7	Pn	17:13:31.500	0.0	---	---	mci	ML	4.1
KOE	5.40	261.6	Pn	17:13:52.500	0.5	---	---	m_e	---	---
HOBG	5.53	267.9	Pn	17:13:54.500	0.7	---	---	m_e	---	---
BNS	5.63	267.9	Pn	17:13:55.900	0.7	---	---	m_e	---	---
BGG	5.70	260.2	Pn	17:13:56.600	0.5	---	---	m_e	---	---
LAUG	5.72	271.9	Pn	17:13:56.700	0.2	---	---	m_e	---	---
STB	5.91	264.7	Sn	17:15:06.000	3.9	---	---	29.5	0.76	m_e
HILG	6.08	262.1	Pn	17:14:02.500	1.2	---	---	m_e	---	---
KLL	6.22	265.8	Pn	17:14:04.000	0.8	---	---	m_e	---	---
DREG	6.27	266.1	Pn	17:14:04.600	0.8	---	---	m_e	---	---

Event 90111001 Weinfelden, Kreuzlingen/CH (Thurgau)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/11	01:18:13.70	0.17	0.24	47.4440	9.1411	2.4	1.8	120	10.0f		16	8	269			m i ke	LDG	90111031
2009/01/11	01:18:12.62	0.31	0.13	47.4337	9.2161	2.1	1.2	134	11.9	1.4	16	4	335			m i uk	ZAMG	90111021
2009/01/11	01:18:13.45	0.59	0.51	47.4730	9.2340	4.4	2.2	044	5.0f		17	12	212	0.48	3.53	m i ke	BGR	90111011
2009/01/11	01:18:12.89	0.40	0.19	47.4380	9.2110	5.3	1.7	022	11.0	2.0	26	9	208	0.30	1.93	m i ke	LED	90111001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.3	0.0	3 LDG	90111031
ML	2.1	0.4	9 LDG	90111031
ML	1.9	0.3	4 ZAMG	90111021
ML	2.0	0.4	8 BGR	90111011
ML	1.9	0.4	11 LED	90111001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SISB	0.30	326.3	P*	01:18:19.070						T__				mdi	ML 1.4
SISB	0.30	326.3	S*	01:18:23.840						T__				m__	
DAVA	0.48	108.2	Pg	01:18:22.183	0.1					---	1.5			m_e	ML 1.6
DAVA	0.48	108.2	Sg	01:18:28.891	0.5					---				m_e	
GUT	0.64	354.2	P*	01:18:24.960						T__				md_	ML 2.0
GUT	0.64	354.2	PmP	01:18:26.690	-0.8					T__				m__	
GUT	0.64	354.2	S*	01:18:33.710						T__				m__	
GUT	0.64	354.2	SmS	01:18:36.670	-0.8					T__				m__	
UBR	0.65	67.8	P*	01:18:25.580						T__				mci	ML 1.5
UBR	0.65	67.8	PmP	01:18:27.700	-0.0					T__				m__	
UBR	0.65	67.8	SmS	01:18:38.640	0.7					T__				m__	
OBER	0.73	92.0	P*	01:18:27.360						---				m__	ML 0.3
OBER	0.73	92.0	S*	01:18:37.280						T__				m__	
OBER	0.73	92.0	SmS	01:18:40.880	0.8					T__				m__	
KIZ	1.01	301.3	P	01:18:32.100						T__				m__	ML 2.0
KIZ	1.01	301.3	Pg	01:18:32.400	0.3					T__				mc_	

KIZ	1.01	301.3	S	01:18:45.470						T__				m__					
BUCH	1.02	5.3	P	01:18:32.290						T__				md__	ML				2.1
BUCH	1.02	5.3	Pg	01:18:32.540	0.4					T__				m__					
BUCH	1.02	5.3	S	01:18:45.920						T__				m__					
BUCH	1.02	5.3	SmS	01:18:47.090	-1.0					T__				m__					
BFO	1.07	326.8	Pg	01:18:33.340	0.2					T__				m__	ML				1.0
BFO	1.07	326.8	Sg	01:18:48.130	1.1									m__					
TUBL	1.09	355.5	Pg	01:18:33.790	0.3					T__				m__	ML				1.2
TUBL	1.09	355.5	Sg	01:18:48.740	1.1					T__				m__					
LBG	1.26	347.4	Pg	01:18:36.300	-0.4					T__				md__	ML				1.9
LBG	1.26	347.4	PmP	01:18:36.800	-1.2					T__				m__					
LBG	1.26	347.4	Sg	01:18:53.380	0.4					T__				m__					
HDH	1.33	29.8	Pg	01:18:37.500	-0.4					T__				m__	ML				2.3
HDH	1.33	29.8	Sg	01:18:55.470	0.3					T__				m__					
STU	1.33	359.5	Sg	01:18:55.253	-0.1									m_e	ML				2.0
FUR	1.56	61.6	Pg	01:18:42.502	0.1						2.5			m_e	ML				2.1
FUR	1.56	61.6	Sg	01:19:03.602	0.9									m_e					
WTTA	1.65	95.2	Pg	01:18:43.899	-0.2						1.4			m_e	ML				1.8
WTTA	1.65	95.2	Sg	01:19:06.052	0.6									m_e					
SIND	1.93	7.7	Pg	01:18:49.060	-0.2									m__	ML				1.8
SIND	1.93	7.7	Sg	01:19:13.520	-0.7									m__					
RJOB	2.44	81.6	Sg	01:19:30.512	0.2									m_e	ML				2.6
GRA1	2.62	29.8	Sn	01:19:24.186	0.4									m_e	ML				2.6
GRA1	2.62	29.8	Sg	01:19:34.649	-1.4									m_e					
WET	2.98	53.7	Sg	01:19:46.553	-1.0									m_e	ML				2.0
ROTZ	3.06	39.3	Sg	01:19:48.959	-1.1									m_e					
GEC2	3.31	63.2	Sn	01:19:41.266	1.2									m_e					
UBBA	3.42	8.4	Sg	01:20:00.407	-1.2									m_e					
MOX	3.57	25.3	Sg	01:20:06.265	-0.2									m_e					

Event 90111002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/11	10:53:57.40	0.51	0.31	51.5360	16.0800				5.0f			9	348	5.37	6.24	m i ke	BNS	90111012
2009/01/11	10:53:56.37	0.32	0.70	51.5200	16.1150	3.3	2.2	017	1.0f		44	16	201	0.69	3.60	m i ki	BGR	90111002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.9		BNS	90111012
ML	4.3	0.4	16 BGR	90111002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
KSP	0.69	170.5	Pg	10:54:09.703	0.4					T__	623.1			m_e	ML	3.6
KSP	0.69	170.5	Sg	10:54:19.209	1.1					T__				m_e		
DPC	1.18	173.6	Pg	10:54:18.651	0.1					T__	828.0			m_e	ML	3.8
DPC	1.18	173.6	Sg	10:54:34.186	0.4					T__				m_e		
BRG	1.51	245.4	Pn	10:54:23.254	-0.5					T__	3.8			m_e	ML	4.3
BRG	1.51	245.4	Pg	10:54:24.767	-0.0					T__	179.8			m_e		
BRG	1.51	245.4	Sg	10:54:44.785	0.5					T__				m_e		
FBE	1.83	252.0	Pn	10:54:27.665	-0.5					T__	7.5			m_e	ML	3.5
FBE	1.83	252.0	Pg	10:54:30.959	0.1					T__	87.7			m_e		
FBE	1.83	252.0	Sg	10:54:54.522	0.0					T__				m_e		

CLL	1.95	265.0	Pn	10:54:29.132	-0.7	T__	113.8	m_e	ML	4.1
CLL	1.95	265.0	Pg	10:54:32.810	-0.4	T__	3.9	m_e		
CLL	1.95	265.0	Sg	10:54:58.820	0.4	T__		m_e		
MORC	1.96	152.0	Pn	10:54:30.154	0.2	T__	167.7	m_e	ML	3.9
MORC	1.96	152.0	Sg	10:54:57.088	-1.7	T__		m_e		
OKC	2.12	141.8	Pn	10:54:31.737	-0.3	T__	15.5	m_e	ML	4.3
OKC	2.12	141.8	Pg	10:54:36.573	0.3	T__	10.8	m_e		
OKC	2.12	141.8	Sg	10:55:03.824	0.2	T__		m_e		
TANN	2.55	245.8	Pn	10:54:38.096	0.2	T__	51.8	m_e	ML	4.5
TANN	2.55	245.8	Pg	10:54:44.253	-0.2	T__	6.5	m_e		
TANN	2.55	245.8	Sg	10:55:17.207	-0.2	T__		m_e		
WERD	2.63	247.4	Pn	10:54:39.309	0.4	T__	47.3	m_e	ML	4.5
WERD	2.63	247.4	Pg	10:54:45.551	-0.3	T__	5.3	m_e		
WERD	2.63	247.4	Sg	10:55:18.944	-0.9	T__		m_e		
OJC	2.66	117.8	Pn	10:54:37.886	-1.5	T__	21.4	m_e	ML	4.4
OJC	2.66	117.8	Pg	10:54:45.912	-0.6	T__	16.3	m_e		
OJC	2.66	117.8	Sg	10:55:22.010	1.0	T__		m_e		
MGBB	2.91	239.4	Pn	10:54:42.500	-0.3	---		mde	ML	4.0
MOX	2.96	254.6	Pn	10:54:43.588	0.2	T__	28.0	m_e	ML	4.8
MOX	2.96	254.6	Pg	10:54:51.113	-1.0	T__	5.6	m_e		
MOX	2.96	254.6	Sg	10:55:30.482	0.1	T__		m_e		
ROTZ	3.03	236.2	Pn	10:54:45.027	0.6	T__	74.8	m_e	ML	4.4
ROTZ	3.03	236.2	Pg	10:54:53.275	-0.3	T__	1.8	m_e		
ROTZ	3.03	236.2	Sg	10:55:31.857	-0.9	T__		m_e		
GEC2	3.09	210.9	Pn	10:54:45.595	0.4	T__	59.2	m_e	ML	4.5
GEC2	3.09	210.9	Pg	10:54:54.677	0.1	T__	4.8	m_e		
GEC2	3.09	210.9	Sg	10:55:34.294	-0.2	T__		m_e		
WET	3.15	222.3	Pn	10:54:46.556	0.6	T__	14.3	m_e	ML	4.4
WET	3.15	222.3	Sg	10:55:36.768	0.4	T__		m_e		
CLZ	3.57	277.4	Pn	10:54:52.260	0.5	T__	35.2	m_e	ML	4.4
CLZ	3.57	277.4	Pg	10:55:04.576	0.8	T__	2.1	m_e		
CLZ	3.57	277.4	Sg	10:55:50.758	0.8	T__		m_e		
GRA1	3.60	241.4	Pn	10:54:53.162	1.0	T__	54.6	m_e	ML	5.1
GRA1	3.60	241.4	Pg	10:55:06.172	1.9	T__	2.6	m_e		
GRA1	3.60	241.4	Sg	10:55:52.088	1.3	T__		m_e		
HROE	3.87	257.6	Pn	10:54:55.700	-0.1	---		m_e	ML	4.4
KOE	5.39	261.6	Pn	10:55:17.200	0.8	---		m_e		
HOBG	5.52	267.9	Pn	10:55:19.200	1.1	---		m_e		
BNS	5.62	267.8	Pn	10:55:20.100	0.6	---		m_e		
BGG	5.69	260.1	Pn	10:55:21.000	0.5	---		m_e		
LAUG	5.72	271.9	Pn	10:55:21.500	0.7	---		m_e		
STB	5.90	264.6	Pn	10:55:24.600	1.3	---		m_e		
STB	5.90	264.6	Sn	10:56:30.000	3.6	---		45.0	0.41	m_e
HILG	6.07	262.0	Pn	10:55:27.000	1.4	---		m_e		
KLL	6.22	265.8	Pn	10:55:28.400	0.8	---		m_e		
DREG	6.26	266.0	Pn	10:55:29.500	1.3	---		m_e		

Event 90112006 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/12	17:16:14.40	0.75	0.21	51.5180	6.5890				0.1	11.3		9	272	0.28	1.39	m i ki	BNS	90112026
2009/01/12	17:16:12.68	0.80	0.74	51.5650	6.4940	8.9	3.3	140	1.0f		13	8	252	0.50	3.44	m i ki	BGR	90112016

2009/01/12 17:16:13.70
(#PRIME)

51.4660 6.5950

1.0f

m i ki BUG

90112006

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		BNS	90112026
ML	2.4	0.3	6 BGR	90112016
ML	2.0		BUG	90112006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.25	117.7	Pg	17:16:19.570	1.2					---				m_i	
RODG	0.41	219.1	Sg	17:16:29.430	2.6					---				m_e	
BUG	0.42	93.2	Pg	17:16:22.600	1.0					TA_				mde ML	2.0
BUG	0.42	93.2	Sg	17:16:29.100	2.0					TA_				m_	
BNS	0.62	143.9	Pg	17:16:27.020	1.6					---				m_e	
HOBG	0.67	135.9	Pg	17:16:27.960	1.7					---				m_e	
DREG	0.83	196.0	Pg	17:16:30.536	1.1					---	15.4			m_e ML	2.3
DREG	0.83	196.0	Sg	17:16:42.794	2.6					---				m_e	
KLL	0.84	192.4	Pg	17:16:31.540	2.0					---				m_e	
STB	0.89	169.9	Pg	17:16:32.480	2.1					---				m_e	
STB	0.89	169.9	Sg	17:16:45.520	3.7					---		36.9	0.34	m_e	
HILG	1.18	177.4	Pg	17:16:37.180	1.3					---				m_e	
KOE	1.26	145.0	Pg	17:16:38.460	1.0					---				m_e	
BGG	1.34	159.3	Pg	17:16:39.660	0.6					---				m_e	
TNS	1.71	136.0	Pg	17:16:45.958	0.1					---	5.7			m_e ML	2.4
TNS	1.71	136.0	Sg	17:17:10.646	2.7					---				m_e	
WLF	1.82	189.0	Pg	17:16:48.569	0.5					---	3.0			m_e ML	2.6
WLF	1.82	189.0	Sg	17:17:11.855	0.2					---				m_e	
GTTG	2.10	86.5	Sg	17:17:21.769	1.4					---				m_e ML	2.9
UBBA	2.23	105.5	Pg	17:16:56.936	1.2					---	1.9			m_e	
CLZ	2.37	79.4	Pg	17:16:57.742	-0.7					---	2.5			m_e ML	2.1
CLZ	2.37	79.4	Sg	17:17:28.978	-0.1					---				m_e	
BFO	3.33	159.7	Pn	17:17:07.006	1.2					---	1.5			m_e	

Event 90113001 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
2009/01/13	03:55:49.70	0.71	0.31	51.6550	7.8000				1.0f			7	298	0.61	1.48	m i ki	BNS	90113021
2009/01/13	03:55:50.29	0.28	0.69	51.6550	7.7290	3.3	2.2	157	1.0f		21	13	128	0.36	3.35	m i ki	BGR	90113011
2009/01/13	03:55:49.00			51.6290	7.7930				1.0f							m i ki	BUG	90113001

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	90113021
ML	2.3	0.2	10 BGR	90113011
ML	2.2		BUG	90113001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.38	240.2	Pg	03:55:57.000	0.9					TA_				mde ML	2.2
BUG	0.38	240.2	Sg	03:56:02.900	1.9					TA_				m_	
LAUG	0.60	242.6	Pg	03:56:01.060	0.8					---				m_e	
IBBN	0.68	358.2	Pg	03:56:02.291	0.5					---	1.7			m_e ML	2.1
IBBN	0.68	358.2	Sg	03:56:11.057	0.5					---				m_e	

HOBG	0.71	204.2	Pg	03:56:03.260	0.9	---																m_e			
RODG	1.12	244.9	Sg	03:56:26.810	2.3	---																	m_e		
STB	1.20	210.4	Pg	03:56:12.140	0.6	---																	m_e		
STB	1.20	210.4	Sg	03:56:28.880	1.9	---							36.4	0.46									m_e		
KOE	1.20	181.9	Pg	03:56:12.760	1.1	---																	m_e		
GTTG	1.35	92.7	Pg	03:56:17.352	2.9	---				2.0													m_e ML	2.8	
GTTG	1.35	92.7	Sg	03:56:34.957	3.0	---																	m_e		
KLL	1.35	224.0	Pg	03:56:14.520	0.0	---																	m_e		
DREG	1.38	226.0	Pg	03:56:15.074	0.2	---				3.8													m_e ML	2.2	
DREG	1.38	226.0	Sg	03:56:33.424	0.7	---																	m_e		
BGG	1.45	191.6	Pg	03:56:16.170	-0.2	---																	m_e		
TNS	1.47	163.4	Pn	03:56:16.684	0.9	---				5.0													m_e ML	2.3	
TNS	1.47	163.4	Sg	03:56:38.610	3.0	---																	m_e		
UBBA	1.60	119.5	Pn	03:56:20.875	3.2	---				6.5													m_e ML	2.2	
UBBA	1.60	119.5	Sg	03:56:43.364	3.5	---																	m_e		
CLZ	1.61	81.4	Pn	03:56:20.111	2.3	---				1.9													m_e ML	2.2	
CLZ	1.61	81.4	Sg	03:56:42.557	2.4	---																	m_e		
ASSE	1.85	73.1	Sg	03:56:50.291	2.6	---																	m_e ML	2.4	
WLF	2.22	208.5	Pn	03:56:27.369	1.3	---				2.0													m_e ML	2.4	
WLF	2.22	208.5	Sg	03:57:01.497	1.9	---																	m_e		
MOX	2.59	110.8	Sg	03:57:12.990	1.6	---																	m_e ML	2.5	
WERD	3.07	110.8	Sg	03:57:30.301	3.7	---																	m_e		
WERN	3.18	113.1	Sg	03:57:31.788	1.7	---																	m_e		
BFO	3.32	173.8	Pn	03:56:42.494	1.6	---				2.0													m_e		

Event 90113002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/13	04:12:14.97	0.36	0.88	51.4060	16.1820	4.4	2.2	018	1.0f		30	16	197	0.57	3.63	m i ki	BGR	90113012

Magnitude	Err	Nsta	Author	OrigID
ML	3.6	0.4	16 BGR	90113012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.57	172.9	Pg	04:12:26.067	0.4					T__	17.8			m_e ML	3.0
KSP	0.57	172.9	Sg	04:12:34.361	1.4					T__				m_e	
DPC	1.06	175.2	Pg	04:12:35.230	0.3					T__	25.1			m_e ML	3.2
DPC	1.06	175.2	Sg	04:12:48.689	0.1					---				m_e	
BRG	1.50	250.1	Pn	04:12:42.148	-0.1					T__	42.2			m_e ML	3.4
BRG	1.50	250.1	Sg	04:13:03.810	1.1					---				m_e	
FBE	1.84	255.8	Pn	04:12:46.153	-0.7					T__	27.0			m_e ML	2.8
FBE	1.84	255.8	Sg	04:13:13.260	-0.1					T__				m_e	
MORC	1.84	151.5	Pn	04:12:47.052	0.1					T__	24.1			m_e ML	3.4
MORC	1.84	151.5	Sg	04:13:12.490	-1.1					T__				m_e	
CLL	1.99	268.4	Pn	04:12:48.207	-0.7					T__	71.6			m_e ML	3.5
CLL	1.99	268.4	Sg	04:13:17.441	-0.7					T__				m_e	
OKC	2.00	140.8	Pn	04:12:48.499	-0.6					T__	24.6			m_e ML	3.7
OKC	2.00	140.8	Sg	04:13:17.833	-0.8					T__				m_e	
TANN	2.55	248.5	Pn	04:12:56.837	0.4					T__	32.6			m_e ML	3.7
TANN	2.55	248.5	Sg	04:13:36.531	0.7					T__				m_e	
OJC	2.57	116.0	Pn	04:12:54.797	-2.0					T__	15.4			m_e ML	4.0
OJC	2.57	116.0	Sg	04:13:37.002	0.2					T__				m_e	

WERD	2.62	250.1	Pn	04:12:57.897	0.4	T__	56.8	m_e	ML	3.5
WERD	2.62	250.1	Sg	04:13:38.565	0.2	T__		m_e		
MGBB	2.89	241.8	Pn	04:13:01.700	0.6	___		mdi	ML	3.5
MOX	2.97	256.9	Pn	04:13:02.251	0.0	T__	8.6	m_e	ML	4.0
MOX	2.97	256.9	Sg	04:13:49.762	0.4	T__		m_e		
ROTZ	3.01	238.5	Pn	04:13:03.387	0.7	T__	24.0	m_e	ML	3.7
ROTZ	3.01	238.5	Sg	04:13:50.207	-0.3	T__		m_e		
GEC2	3.01	212.8	Pn	04:13:03.945	1.2	T__	63.8	m_e	ML	3.8
GEC2	3.01	212.8	Sg	04:13:49.259	-1.5	T__		m_e		
WET	3.09	224.3	Pn	04:13:04.402	0.5	T__	12.0	m_e	ML	3.8
WET	3.09	224.3	Sg	04:13:52.837	-0.4	T__		m_e		
GRA1	3.59	243.4	Pn	04:13:11.755	1.2	T__	9.8	m_e	ML	4.2
GRA1	3.59	243.4	Sg	04:14:08.114	-0.8	T__		m_e		
CLZ	3.63	279.2	Pn	04:13:11.832	0.7	T__	4.5	m_e	ML	3.8
CLZ	3.63	279.2	Sg	04:14:11.102	0.7	T__		m_e		
HROE	3.89	259.4	Pn	04:13:15.100	0.4	___		mdi	ML	3.9

Event 90113004 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
2009/01/13	05:20:33.50	0.64	0.31	51.7050	7.6550				1.0f			7	306	0.57	1.54	m i ki	BNS	90113024
2009/01/13	05:20:34.26	0.34	0.63	51.5960	7.8140	4.4	4.4	115	1.0f		10	6	111	0.37	1.60	m i ki	BGR	90113014
2009/01/13	05:20:33.40			51.6400	7.7050				1.0f							m i ki	BUG	90113004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90113024
ML	2.2	0.1	4 BGR	90113014
ML	1.8		BUG	90113004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.34	233.8	Pg	05:20:40.700	1.0					TA_				mde	ML 1.8
BUG	0.34	233.8	Sg	05:20:46.000	1.9					TA_				m_	
LAUG	0.55	238.9	Pg	05:20:44.110	0.2					___				m_e	
IBBN	0.67	2.8	Pg	05:20:47.626	1.7					___				m_e	ML 2.2
IBBN	0.67	2.8	Sg	05:20:57.694	3.1					___				m_e	
HOBG	0.70	199.6	Pg	05:20:47.350	0.8					___				m_e	
HOBG	0.70	199.6	Sg	05:20:58.430	2.9					___				m_e	
STB	1.18	207.8	Pg	05:20:56.170	0.6					___				m_e	
STB	1.18	207.8	Sg	05:21:12.730	1.9					___		23.4	0.30	m_e	
KOE	1.21	179.2	Pg	05:20:56.660	0.4					___				m_e	
KLL	1.32	221.9	Pg	05:20:58.320	-0.0					___				m_e	
DREG	1.34	224.0	Pg	05:20:58.738	0.0					___				m_e	ML 2.2
DREG	1.34	224.0	Sg	05:21:18.258	2.2					___				m_e	
TNS	1.49	161.4	Pg	05:21:01.052	-0.5					___				m_e	ML 2.2
TNS	1.49	161.4	Sg	05:21:20.642	-0.2					___				m_e	
HILG	1.50	206.0	Pg	05:21:01.160	-0.4					___				m_e	
UBBA	1.66	118.8	Pg	05:21:03.953	-0.6					___				m_e	
CLZ	1.66	82.0	Pg	05:21:04.109	-0.6					___				m_e	

Event 90113009 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
2009/01/13	22:13:03.40	0.83	0.41	51.6740	7.6880				1.0f			8	303	0.56	1.52	m i ki	BNS	90113029
2009/01/13	22:13:03.92	0.31	0.55	51.5720	7.8050	4.4	3.3	141	1.0f		11	6	109	0.36	1.61	m i ki	BGR	90113019
2009/01/13	22:13:02.50			51.6430	7.7730				1.0f							m i ki	BUG	90113009

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	2.0		BNS	90113029
ML	2.2	0.1	6 BGR	90113019
ML	2.1		BUG	90113009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.37	237.3	Pg	22:13:10.500	1.0					TA_				m_e	ML 2.1
BUG	0.37	237.3	Sg	22:13:16.300	1.9					TA_				m_	
LAUG	0.59	240.8	Pg	22:13:13.940	0.3									m_e	
IBBN	0.66	359.3	Pg	22:13:17.388	2.4						3.5			m_e	ML 2.0
IBBN	0.66	359.3	Sg	22:13:27.449	3.9									m_e	
HOBG	0.71	202.8	Pg	22:13:16.830	0.9									m_e	
BNS	0.78	209.0	Pg	22:13:17.770	0.7									m_e	
STB	1.20	209.5	Pg	22:13:26.160	1.0									m_e	
STB	1.20	209.5	Sg	22:13:42.540	1.9							25.1	0.29	m_e	
KOE	1.22	181.2	Pg	22:13:26.260	0.8									m_e	
KLL	1.35	223.2	Pg	22:13:27.840	-0.2									m_e	
GTTG	1.37	93.3	Pg	22:13:29.912	1.7						1.5			m_e	ML 2.3
DREG	1.38	225.2	Pg	22:13:28.540	0.1						3.1			m_e	ML 2.2
DREG	1.38	225.2	Sg	22:13:46.905	0.7									m_e	
TNS	1.48	163.1	Pg	22:13:29.979	-0.5						5.7			m_e	ML 2.0
TNS	1.48	163.1	Sg	22:13:48.827	-0.8									m_e	
HILG	1.52	207.4	Pg	22:13:30.740	-0.3									m_e	
CLZ	1.62	81.9	Pg	22:13:33.688	0.6						6.6			m_e	ML 2.2
CLZ	1.62	81.9	Sg	22:13:56.047	2.0									m_e	

Event 90114004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/14	10:22:03.32	0.36	0.64	51.4970	16.1200	3.3	2.2	019	1.0f		38	16	199	0.66	3.59	m i ki	BGR	90114014

Magnitude Err Nsta Author OrigID

ML	3.3	0.4	16 BGR	90114014
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.66	170.5	Pg	10:22:15.782	-0.0					T_				m_e	ML 2.6
KSP	0.66	170.5	Sg	10:22:25.073	0.7					T_				m_e	
DPC	1.15	173.6	Pg	10:22:24.866	-0.2					T_				m_e	ML 2.7
DPC	1.15	173.6	Sg	10:22:40.615	0.6					T_				m_e	
BRG	1.50	246.3	Pn	10:22:29.432	-1.2					T_				m_e	ML 3.2
BRG	1.50	246.3	Pg	10:22:30.935	-0.7					T_				m_e	
BRG	1.50	246.3	Sg	10:22:51.366	0.4					T_				m_e	
FBE	1.83	252.7	Pn	10:22:36.048	1.0					T_				m_e	ML 2.6
FBE	1.83	252.7	Sg	10:23:01.214	-0.1					T_				m_e	

MORC	1.94	151.8	Pn	10:22:36.438	-0.2	T__	m_e	ML	3.0
MORC	1.94	151.8	Sg	10:23:04.561	-0.5	T__	m_e		
CLL	1.95	265.7	Pn	10:22:35.661	-1.1	T__	m_e	ML	3.1
CLL	1.95	265.7	Sg	10:23:05.555	0.2	T__	m_e		
OKC	2.10	141.5	Sg	10:23:09.872	-0.1	T__	m_e	ML	3.3
TANN	2.55	246.3	Pn	10:22:45.188	0.4	T__	m_e	ML	3.4
TANN	2.55	246.3	Pg	10:22:51.647	0.4	T__	m_e		
TANN	2.55	246.3	Sg	10:23:24.533	0.3	T__	m_e		
WERD	2.62	247.9	Pn	10:22:45.677	-0.1	T__	m_e	ML	3.3
WERD	2.62	247.9	Pg	10:22:53.043	0.3	T__	m_e		
WERD	2.62	247.9	Sg	10:23:26.609	0.0	T__	m_e		
OJC	2.65	117.4	Pg	10:22:52.749	-0.5	T__	m_e	ML	3.5
OJC	2.65	117.4	Sg	10:23:27.865	0.4	T__	m_e		
MOX	2.96	255.0	Pn	10:22:50.388	0.0	T__	m_e	ML	3.6
MOX	2.96	255.0	Pg	10:22:58.848	-0.2	T__	m_e		
MOX	2.96	255.0	Sg	10:23:38.107	0.9	T__	m_e		
ROTZ	3.02	236.6	Pn	10:22:51.845	0.6	T__	m_e	ML	3.4
ROTZ	3.02	236.6	Sg	10:23:39.512	0.1	T__	m_e		
GEC2	3.07	211.2	Pn	10:22:52.743	0.8	T__	m_e	ML	3.5
GEC2	3.07	211.2	Pg	10:23:00.995	-0.2	T__	m_e		
GEC2	3.07	211.2	Sg	10:23:40.068	-0.8	T__	m_e		
WET	3.13	222.6	Pn	10:22:53.422	0.7	T__	m_e	ML	3.4
WET	3.13	222.6	Sg	10:23:42.057	-0.8	T__	m_e		
CLZ	3.58	277.8	Pn	10:22:59.554	0.7	T__	m_e	ML	3.5
CLZ	3.58	277.8	Pg	10:23:09.341	-1.5	T__	m_e		
CLZ	3.58	277.8	Sg	10:23:57.457	0.4	T__	m_e		
GRA1	3.59	241.8	Pn	10:22:59.818	0.8	T__	m_e	ML	3.9
GRA1	3.59	241.8	Pg	10:23:11.683	0.6	T__	m_e		
GRA1	3.59	241.8	Sg	10:23:58.304	0.8	T__	m_e		

Event 90115001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/15	05:17:31.06	0.37	0.74	51.4460	16.0980	4.4	2.2	017	1.0f		34	16	197	0.62	3.57	m i ki	BGR	90115011

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.3	15 BGR	90115011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.62	168.4	Pg	05:17:43.336	0.7					T__	88.2			m_e	ML 2.7
KSP	0.62	168.4	Sg	05:17:51.291	0.7					T__				m_e	
DPC	1.10	172.6	Pg	05:17:52.090	0.2					T__	127.1			m_e	ML 2.9
DPC	1.10	172.6	Sg	05:18:07.532	1.4					T__				m_e	
BRG	1.47	247.9	Pg	05:17:58.539	-0.2					T__	40.7			m_e	ML 3.2
BRG	1.47	247.9	Sg	05:18:18.626	0.9					T__				m_e	
FBE	1.80	254.1	Pg	05:18:04.276	-0.7					T__	11.2			m_e	ML 3.1
FBE	1.80	254.1	Sg	05:18:28.681	0.5					T__				m_e	
MORC	1.90	150.7	Pn	05:18:03.614	-0.2					T__	94.9			m_e	ML 3.0
MORC	1.90	150.7	Sg	05:18:30.769	-0.8					T__				m_e	
CLL	1.94	267.1	Pn	05:18:03.341	-0.9					T__	41.3			m_e	ML 3.4
CLL	1.94	267.1	Sg	05:18:32.271	-0.3					T__				m_e	
OKC	2.07	140.3	Pn	05:18:05.697	-0.3					T__	19.4			m_e	ML 3.4

OKC	2.07	140.3	Pg	05:18:09.513	-0.5	T__	6.4	m_e											
OKC	2.07	140.3	Sg	05:18:36.092	-0.7	T__		m_e											
TANN	2.51	247.2	Pn	05:18:12.439	0.4	T__	19.1	m_e ML	3.6										
TANN	2.51	247.2	Sg	05:18:50.369	-0.5	T__		m_e											
WERD	2.59	248.8	Pn	05:18:13.389	0.3	T__	21.6	m_e ML	3.5										
WERD	2.59	248.8	Pg	05:18:20.473	0.6	T__	9.3	m_e											
WERD	2.59	248.8	Sg	05:18:52.491	-0.8	T__		m_e											
OJC	2.64	116.2	Pg	05:18:19.625	-1.2	T__	12.6	m_e ML	3.5										
OJC	2.64	116.2	Sg	05:18:55.064	0.2	T__		m_e											
MOX	2.93	255.9	Pn	05:18:18.433	0.7	T__	7.0	m_e ML	3.7										
MOX	2.93	255.9	Pg	05:18:26.575	0.3	T__	5.1	m_e											
MOX	2.93	255.9	Sg	05:19:03.850	-0.3	T__		m_e											
ROTZ	2.99	237.3	Pn	05:18:19.339	0.8	T__	15.0	m_e ML	3.5										
ROTZ	2.99	237.3	Sg	05:19:05.244	-0.7	T__		m_e											
GEC2	3.02	211.5	Pn	05:18:19.638	0.7	T__	12.4	m_e ML	3.5										
GEC2	3.02	211.5	Sg	05:19:06.255	-0.7	T__		m_e											
WET	3.09	223.0	Pn	05:18:20.461	0.6	T__	7.6	m_e											
GRA1	3.56	242.4	Pn	05:18:27.296	1.0	T__	3.4	m_e ML	4.0										
GRA1	3.56	242.4	Sg	05:19:24.829	0.7	T__		m_e											
CLZ	3.57	278.6	Pn	05:18:27.443	1.0	T__	5.4	m_e ML	3.6										
CLZ	3.57	278.6	Sg	05:19:24.210	-0.4	T__		m_e											

Event 90115003 Switzerland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/01/15	07:54:04.76	0.72	1.22	46.5930	7.4830	8.9	6.7	030	10.0f		22	11	284	1.83	5.58	m i ke	BGR	90115013	
2009/01/15	07:54:00.50			46.6000	7.5000				-2.0							m i uk	SED	90115003	
#PRIME)																			

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.2	11 BGR	90115013
ML	2.8		SED	90115003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.82	17.7	Pn	07:54:34.189	2.0						22.3			m_e ML	2.9
BFO	1.82	17.7	Pg	07:54:38.835	4.1						3.5			m_e	
BFO	1.82	17.7	Sg	07:55:01.810	3.5									m_e	
STU	2.45	27.1	Sg	07:55:24.912	6.5									m_e ML	3.4
FUR	3.00	57.2	Sg	07:55:41.029	5.4									m_e ML	3.5
WLF	3.19	344.1	Sg	07:55:45.751	3.8									m_e ML	3.6
TNS	3.68	9.5	Pn	07:55:00.233	2.8						2.2			m_e ML	3.4
TNS	3.68	9.5	Sn	07:55:44.341	5.9									m_e	
TNS	3.68	9.5	Sg	07:56:01.338	4.0									m_e	
GRA1	3.96	37.4	Pg	07:55:18.620	3.4						2.9			m_e ML	3.7
GRA1	3.96	37.4	Sg	07:56:10.162	3.7									m_e	
WET	4.41	52.8	Pn	07:55:09.887	2.5						1.9			m_e ML	3.5
WET	4.41	52.8	Sg	07:56:24.514	3.8									m_e	
GEC2	4.74	59.4	Pn	07:55:15.750	4.0						2.0			m_e ML	3.5
GEC2	4.74	59.4	Pg	07:55:33.594	3.8						2.1			m_e	
GEC2	4.74	59.4	Sn	07:56:08.029	4.7									m_e	
GEC2	4.74	59.4	Sg	07:56:35.462	4.5									m_e	
MOX	4.87	32.4	Pg	07:55:36.626	4.3						1.9			m_e ML	3.6

MOX	4.87	32.4	Sg	07:56:39.216	3.9	---												m_e	
TANN	5.03	38.9	Pg	07:55:39.872	4.5	---	2.5											m_e ML	3.4
TANN	5.03	38.9	Sg	07:56:45.472	5.1	---												m_e	
CLZ	5.57	18.6	Sg	07:57:01.900	4.6	---												m_e ML	3.4

Event 90115008 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/15	13:18:10.86	0.98	1.10	50.0460	17.9770	10.0	7.8	064	1.0f		26	23	304	2.70	5.14	m i ki	BGR	90115008

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.3	21 BGR	90115008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	2.70	289.4	Pn	13:18:54.393	0.0					T_				m_e ML	2.8
BRG	2.70	289.4	Sg	13:19:35.053	-1.5					T_				m_e	
GEC2	3.03	248.3	Pn	13:18:58.662	-0.2					T_				m_e ML	3.1
GEC2	3.03	248.3	Sg	13:19:44.616	-2.4					T_				m_e	
FBE	3.07	288.3	Pn	13:18:59.779	0.4					T_				m_e ML	3.0
FBE	3.07	288.3	Sg	13:19:48.495	0.2					T_				m_e	
CLL	3.39	293.7	Sg	13:19:58.082	-0.6					T_				m_e ML	3.2
WET	3.43	256.7	Sg	13:20:00.201	0.5					T_				m_e ML	3.3
TANN	3.55	278.1	Sg	13:20:01.729	-1.8					T_				m_e ML	3.2
NKC	3.55	275.1	Sg	13:20:05.107	1.5					T_				m_e ML	3.4
MULD	3.58	278.0	Sg	13:20:05.226	0.5					T_				m_e ML	2.5
WERN	3.59	276.0	Sg	13:20:05.418	0.3					T_				m_e ML	3.0
SCHF	3.61	282.2	Sg	13:20:06.401	0.8					T_				m_e ML	3.2
GUNZ	3.63	277.2	Sg	13:20:08.155	2.1					T_				m_e ML	3.3
ROHR	3.63	275.1	Sg	13:20:06.336	0.1					T_				m_e ML	2.4
WERD	3.65	278.5	Sg	13:20:07.336	0.6					T_				m_e ML	3.1
HKWD	3.72	284.4	Sg	13:20:10.390	1.4					T_				m_e ML	3.5
STKB	3.72	286.7	Sg	13:20:09.060	-0.0					T_				m_e	
ROTZ	3.73	267.9	Sg	13:20:09.099	-0.1					T_				m_e ML	2.8
PLN	3.74	279.0	Sg	13:20:09.364	-0.5					T_				m_e ML	4.0
TRIB	3.75	276.9	Sg	13:20:10.309	0.3					T_				m_e ML	2.8
TAUT	4.09	285.6	Sg	13:20:22.555	1.7					T_				m_e ML	2.9
MOX	4.10	280.8	Sg	13:20:21.227	0.0					T_				m_e ML	3.3
RJOB	4.11	237.8	Sg	13:20:23.472	1.9					T_				m_e ML	3.4
GRA1	4.37	267.9	Sg	13:20:29.910	0.3					T_				m_e ML	3.3
UBBA	5.14	281.7	Sg	13:20:56.311	2.3					T_				m_e	

Event 90115011 Imst/A, Western Mieminger Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/15	17:56:27.40	0.54	0.47	47.4385	11.5694	12.2	7.3	048	10.0f		13	3	297			m i ke	LDG	90115031
2009/01/15	17:56:32.41	0.43	0.28	47.2951	10.9323	1.7	1.3	161	13.3	3.8	10	6	097			m i uk	ZAMG	90115021
2009/01/15	17:56:33.68	0.33	0.82	47.3690	10.9490	3.3	3.3	011	10.0f		23	15	162	0.48	3.30	m i ke	BGR	90115011

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
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ML	2.6	0.0	3	LDG	90115031
ML	2.2	0.3	6	ZAMG	90115021
ML	2.3	0.3	14	BGR	90115011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
PART	0.17	40.8	Pg	17:56:37.700	0.4									mdi	ML 2.0
PART	0.17	40.8	Sg	17:56:41.500	1.7									mdi	
OBER	0.45	275.1	Pg	17:56:41.900	-0.4									mci	ML 2.0
OBER	0.45	275.1	Sg	17:56:49.300	1.2									mci	
WTTA	0.48	102.5	Pg	17:56:42.062	-0.8					T__	27.7			m_e	ML 1.8
WTTA	0.48	102.5	Sg	17:56:48.982	-0.1					T__				m_e	
SCE	0.61	122.3	Pg	17:56:43.900	-1.5									mci	ML 1.5
SCE	0.61	122.3	Sg	17:56:51.900	-1.5									mci	
DAVA	0.73	263.9	Pg	17:56:47.018	-0.5					T__	7.6			m_e	ML 1.9
DAVA	0.73	263.9	Sg	17:56:58.389	1.4					T__				m_e	
RJOB	1.30	72.9	Pg	17:56:58.650	0.4					T__	8.4			m_e	ML 2.1
RJOB	1.30	72.9	Sg	17:57:17.926	2.9					T__				m_e	
KBA	1.65	99.2	Pg	17:57:04.833	-0.0					T__	4.0			m_e	ML 2.0
KBA	1.65	99.2	Sg	17:57:25.565	-0.7					T__				m_e	
BFO	2.00	299.6	Sg	17:57:37.190	-0.2					T__				m_e	ML 2.2
WET	2.19	35.2	Pn	17:57:10.053	0.8					T__	3.1			m_e	ML 2.3
WET	2.19	35.2	Sg	17:57:43.156	-0.2					T__				m_e	
MOA	2.29	76.7	Pg	17:57:15.416	-1.4					T__	8.6			m_e	ML 2.1
MOA	2.29	76.7	Sg	17:57:47.051	0.7					T__				m_e	
GEC2	2.36	50.2	Pn	17:57:11.737	0.2					T__	4.5			m_e	ML 2.2
GEC2	2.36	50.2	Pg	17:57:17.732	-0.4					T__	3.9			m_e	
GEC2	2.36	50.2	Sg	17:57:48.862	0.2					T__				m_e	
ROTZ	2.54	18.7	Sg	17:57:54.139	-0.2					T__				m_e	ML 2.6
WERN	3.07	17.3	Sg	17:58:10.738	-0.4					T__				m_e	ML 2.7
GUNZ	3.13	16.4	Sg	17:58:13.644	0.5					T__				m_e	ML 2.4
TANN	3.20	17.5	Sg	17:58:15.624	0.1					T__				m_e	ML 2.8
WERD	3.21	15.7	Sg	17:58:15.019	-0.5					T__				m_e	ML 2.5
PLN	3.22	13.8	Sg	17:58:15.328	-0.5					T__				m_e	
MOX	3.30	7.4	Sg	17:58:18.805	0.1					T__				m_e	ML 2.7

Event 90116001 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
2009/01/16	01:31:50.73	0.32	0.71	51.5800	7.7450	4.4	3.3	150	1.0f		15	9	082	0.33	2.17	m i ki	BGR	90116011
2009/01/16	01:31:49.90			51.6550	7.6760				1.0f				182	0.12	0.33	m i ki	BUG	90116001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	3 BGR	90116011
ML	1.9		BUG	90116001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.12	47.7	Pg	01:31:54.100	1.9					T__				m__	ML 1.2
BAHL	0.12	47.7	Sg	01:31:56.900	3.1					T__				m__	
BUG	0.33	229.9	Pg	01:31:57.200	1.0					TA__				mde	ML 1.9
BUG	0.33	229.9	Sg	01:32:02.400	2.0					TA__				m__	
WTSB	0.63	300.2	Pg	01:32:03.512	1.8					___	2.5			m_e	

IBBN	0.65	4.5	Pg	01:32:04.861	2.6	---	2.4	m_e	ML	2.0
DREG	1.34	222.9	Pg	01:32:15.601	0.4	---	3.1	m_e	ML	2.1
DREG	1.34	222.9	Sg	01:32:33.072	0.5	---		m_e		
HGN	1.41	231.5	Pg	01:32:16.153	-0.3	---	7.4	m_e		
HGN	1.41	231.5	Sg	01:32:34.851	0.2	---		m_e		
MEM	1.48	225.7	Pn	01:32:17.635	0.7	---	2.6	m_e		
MEM	1.48	225.7	Sg	01:32:37.550	0.6	---		m_e		
TNS	1.51	161.0	Pn	01:32:17.688	0.3	---	1.2	m_e		
TNS	1.51	161.0	Sg	01:32:36.922	-1.0	---		m_e		
CLZ	1.68	82.6	Pg	01:32:22.173	0.6	---	3.8	m_e		
CLZ	1.68	82.6	Sg	01:32:42.526	-0.7	---		m_e		
WLF	2.21	206.5	Sg	01:32:57.962	-2.2	---		m_e		

Event 90117002 Vaduz/Liechtenstein, Swiss-Liechtenstein-Austrian border reg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/17	07:09:58.00	0.10	0.84	47.2926	9.5760	2.4	2.0	017	5.0f		73	28	058			m i ke	LDG	90117042
2009/01/17	07:09:57.41	0.16	0.16	47.1483	9.5214	0.9	0.6	120	10.6	1.4	35	6	320			m i fe	ZAMG	90117032
2009/01/17	07:09:57.80			47.1000	9.5000				5.0							m i uk	SED	90117022
2009/01/17	07:09:59.91	0.48	1.45	47.2280	9.4850	8.9	5.6	031	10.0f		28	17	233	0.27	3.72	m i ke	BGR	90117012
2009/01/17	07:09:58.54	0.42	0.87	47.1490	9.5020	5.3	4.1	090	5.0f		27	14	083	0.29	2.20	m i ke	LED	90117002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	21 LDG	90117042
ML	3.4	0.3	11 ZAMG	90117032
ML	3.0		SED	90117022
ML	3.0	0.2	16 BGR	90117012
ML	3.1	0.2	19 LED	90117002

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		4.0	EMS	ZAMG

(Felt.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
DAVA	0.29	61.7	Pg	07:10:02.899	-1.2					---				m_e	ML	2.9
DAVA	0.29	61.7	Sg	07:10:08.041	0.1					---				m_e		
DAVO	0.29	61.7	P*	07:10:06.610						T_				md_	ML	2.9
DAVO	0.29	61.7	S*	07:10:13.280						T_				m_		
LLS	0.45	228.4	P*	07:10:06.680						T_				mc_	ML	2.8
LLS	0.45	228.4	S*	07:10:13.450						T_				m_i		
WILA	0.48	303.6	P*	07:10:08.310						T_				mdi	ML	2.9
WILA	0.48	303.6	S*	07:10:16.090						T_				m_		
OBER	0.60	64.0	P*	07:10:09.610						T_				m_	ML	3.2
OBER	0.60	64.0	S*	07:10:17.620						---				m_		
OBER	0.60	64.0	SmS	07:10:18.910	-4.2					---				m_		
SISB	0.65	326.1	P*	07:10:11.260						T_				md_	ML	3.2
SISB	0.65	326.1	S*	07:10:21.180						T_				m_		
UBR	0.67	37.4	P*	07:10:11.310						T_				mci	ML	2.8
SLE	0.92	312.5	P*	07:10:16.100						T_				md_	ML	3.1
SLE	0.92	312.5	PmP	07:10:17.560	-0.7					T_				m_		
SLE	0.92	312.5	S*	07:10:28.730						T_				m_		

GUT	0.96	344.4	P*	07:10:16.540		T__	mc__ML	3.1
GUT	0.96	344.4	S*	07:10:29.920		T__	m__	
GUT	0.96	344.4	SmS	07:10:31.920	-0.9	T__	m__	
SPAK	1.07	333.4	P*	07:10:19.260		T__	m__	
PART	1.15	71.7	Pg	07:10:19.900	-0.3	___	mde ML	2.7
PLON	1.15	71.7	P*	07:10:00.920		T__	mc__ML	3.0
PLON	1.15	71.7	S*	07:10:03.480		T__	m__	
FELD	1.25	306.3	P	07:10:21.870		T__	mdi	
BUCH	1.30	355.7	P	07:10:22.100		T__	mc__ML	3.7
BUCH	1.30	355.7	Pg	07:10:23.520	0.4	___	m__	
BUCH	1.30	355.7	Sg	07:10:41.550	1.5	T__	m__	
KIZ	1.34	307.6	P	07:10:22.880		T__	md__ML	3.4
KIZ	1.34	307.6	Pg	07:10:24.220	0.4	T__	m__	
KIZ	1.34	307.6	Sg	07:10:42.400	1.3	T__	m__	
BBS	1.39	283.9	P	07:10:24.060		___	md__	
BBS	1.39	283.9	Pg	07:10:25.510	0.8	___	m__	
TUBL	1.40	348.6	S	07:10:41.290		___	m__ML	3.3
TUBL	1.40	348.6	Sg	07:10:44.110	1.0	___	m__	
BFO	1.42	326.7	P	07:10:24.080		___	m__ML	3.1
BFO	1.42	326.7	Pg	07:10:25.610	0.3	___	m__	
BFO	1.42	326.7	S	07:10:41.810		___	m__	
BFO	1.42	326.7	Sg	07:10:44.560	0.9	___	m__	
WTTA	1.45	84.7	Pn	07:10:26.569	1.8	___	m_e ML	2.8
WTTA	1.45	84.7	Sg	07:10:46.798	2.0	___	m_e	
SCE	1.51	93.4	Pn	07:10:25.800	0.3	___	mci ML	2.6
HDH	1.51	18.0	P	07:10:24.300		___	mci ML	2.8
HDH	1.51	18.0	Pg	07:10:26.420	-0.6	___	m__	
HDH	1.51	18.0	Sg	07:10:47.200	0.6	___	m__	
FUR	1.57	49.0	Pn	07:10:27.713	1.5	___	m_e ML	3.1
FUR	1.57	49.0	Sg	07:10:48.755	0.4	___	m_e	
LBG	1.59	342.9	P	07:10:26.130		___	mc__ML	3.4
LBG	1.59	342.9	Pg	07:10:28.610	0.1	___	m__	
LBG	1.59	342.9	S	07:10:45.420		___	m__	
LBG	1.59	342.9	Sg	07:10:49.410	0.4	___	m__	
LIEN	1.59	342.9	P*	07:10:00.870		T__	mc__ML	2.6
LIEN	1.59	342.9	S*	07:10:03.330		T__	m__	
STU	1.63	352.9	P	07:10:28.990		___	m__ML	3.1
STU	1.63	352.9	S	07:10:46.440		___	m__	
NORI	1.74	25.2	Pn	07:10:27.400	-1.2	___	mci ML	2.9
MOF	1.75	294.6	P	07:10:29.010		___	md__	
LOMF	1.83	277.3	P	07:10:30.290		___	md__	
LOMF	1.83	277.3	Sg	07:10:58.080	1.5	___	m__	
ECH	1.90	304.9	P	07:10:30.850		___	m__ML	2.3
SIND	2.20	1.8	P	07:10:33.570		___	md__ML	3.2
SIND	2.20	1.8	Pg	07:10:40.110	0.1	___	m__	
SIND	2.20	1.8	S	07:11:00.820		___	m__	
RJOB	2.30	74.0	Pn	07:10:38.699	2.4	___	m_e ML	2.9
KBA	2.62	90.1	Pn	07:10:43.123	2.6	___	m_e ML	2.8
KBA	2.62	90.1	Sg	07:11:21.862	0.2	___	m_e	
GRA1	2.79	23.5	Pn	07:10:40.859	-1.9	___	m_e ML	3.2
GRA1	2.79	23.5	Sg	07:11:26.877	-0.2	___	m_e	
WET	3.01	47.2	Pn	07:10:45.308	-0.5	___	m_e ML	3.3
WET	3.01	47.2	Sn	07:11:20.831	1.0	___	m_e	
TNS	3.15	347.6	Pn	07:10:48.456	0.7	___	m_e ML	3.1

TNS	3.15	347.6	Sn	07:11:23.490	0.3	---	m_e		
ROTZ	3.17	33.4	Pn	07:10:46.353	-1.7	---	m_e ML	3.1	
ROTZ	3.17	33.4	Sg	07:11:38.284	-1.1	---	m_e		
GEC2	3.28	57.3	Pn	07:10:49.613	0.1	---	m_e ML	3.1	
GEC2	3.28	57.3	Sn	07:11:27.767	1.5	---	m_e		
MOA	3.29	76.0	Pn	07:10:50.915	1.2	---	m_e ML	3.0	
MOA	3.29	76.0	Sn	07:11:29.694	3.2	---	m_e		
WERN	3.67	30.1	Pn	07:10:53.801	-0.9	---	m_e		
UBBA	3.68	4.9	Sg	07:11:54.432	-1.2	---	m_e ML	3.2	
MOX	3.76	20.9	Pn	07:10:53.648	-2.4	---	m_e ML	3.2	
WERD	3.78	28.2	Pn	07:10:53.656	-2.6	---	m_e ML	3.1	

Event 90117012 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
2009/01/17	13:05:48.81	0.89	0.47	51.7420	7.7310	12.2	4.4	161	1.0f		7	5	216	0.42	1.64	m i ki	BGR	90117022
2009/01/17	13:05:48.90			51.6690	7.7520				1.0f				200	0.08	0.38	m i ki	BUG	90117012

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	4 BGR	90117022
ML	1.9		BUG	90117012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.08	32.4	Pg	13:05:52.000	1.6					T_				m ML	1.5
BAHL	0.08	32.4	Sg	13:05:54.100	2.6					T_				m	
BUG	0.38	232.9	Pg	13:05:57.000	1.0					TA_				mde ML	1.9
BUG	0.38	232.9	Sg	13:06:02.800	1.9					TA_				m	
DREG	1.39	224.0	Sg	13:06:34.395	1.5									m_e ML	2.1
HGN	1.46	232.3	Sg	13:06:35.571	0.4									m_e	
TNS	1.51	162.9	Pg	13:06:18.120	0.7									m_e ML	2.1
TNS	1.51	162.9	Sg	13:06:39.406	2.5									m_e	
CLZ	1.63	82.9	Sg	13:06:41.094	0.4									m_e ML	2.1

Event 90117015 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	
2009/01/17	23:38:51.60	0.09	0.32	51.6088	7.7149	2.2	1.7	129	1.0f		23	11	119			m i sr	LDG	90117045	
2009/01/17	23:38:51.00	0.74	0.41	51.6840	7.6730				1.0f				8	304	0.56	1.53	m i ki	BNS	90117035
2009/01/17	23:38:51.63	0.39	0.68	51.6250	7.7730	6.7	4.4	150	1.0f		9	5	119	0.36	1.62	m i ki	BGR	90117025	
2009/01/17	23:38:49.90			51.6580	7.7680				1.0f								m i ki	BUG	90117015

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.3	3 LDG	90117045
ML	2.1		BNS	90117035
ML	2.3	0.0	5 BGR	90117025
ML	2.1		BUG	90117015

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

BUG	0.38	235.2	Pg	23:38:58.000	1.0	TA_	mde	ML	2.1
BUG	0.38	235.2	Sg	23:39:03.900	2.0	TA_	m_		
LAUG	0.60	239.4	Pg	23:39:01.520	0.4	---	m_e		
IBBN	0.65	359.5	Pg	23:39:05.050	2.9	---	m_e	ML	2.3
IBBN	0.65	359.5	Sg	23:39:14.095	3.6	---	m_e		
HOBG	0.73	202.1	Pg	23:39:04.440	0.8	---	m_e		
STB	1.21	209.1	Pg	23:39:13.600	0.8	---	m_e		
STB	1.21	209.1	Sg	23:39:30.160	1.7	---	m_e	40.2 0.47	
KOE	1.23	181.1	Pg	23:39:13.870	0.7	---	m_e		
KLL	1.36	222.7	Pg	23:39:15.790	0.2	---	m_e		
DREG	1.38	224.7	Pg	23:39:16.337	0.3	---	m_e	ML	2.3
DREG	1.38	224.7	Sg	23:39:35.725	1.8	---	m_e		
BGG	1.48	190.8	Pg	23:39:17.530	-0.2	---	m_e		
TNS	1.50	163.1	Pn	23:39:17.778	0.6	---	m_e	ML	2.2
TNS	1.50	163.1	Sg	23:39:38.671	1.2	---	m_e		
HILG	1.53	207.1	Pg	23:39:18.360	-0.3	---	m_e		
CLZ	1.62	82.5	Pn	23:39:19.817	1.0	---	m_e	ML	2.3
CLZ	1.62	82.5	Sg	23:39:44.032	2.6	---	m_e		

Event 90119005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/19	05:01:18.40	0.23	0.82	51.4570	16.0760	3.3	2.2	003	1.0f		43	19	103	0.63	3.56	m i ki	BGR	90119005

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.4	18 BGR	90119005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.63	167.4	Pg	05:01:31.045	0.8					T_	43.4			m_e	ML 2.7
KSP	0.63	167.4	Sg	05:01:38.784	0.4					T_				m_e	
DPC	1.12	171.9	Pg	05:01:39.831	0.4					T_	100.9			m_e	ML 2.8
DPC	1.12	171.9	Sg	05:01:55.535	1.6					T_				m_e	
BRG	1.46	247.3	Pn	05:01:44.469	-0.7					T_	77.6			m_e	ML 3.3
BRG	1.46	247.3	Pg	05:01:46.142	0.2					T_	61.1			m_e	
BRG	1.46	247.3	Sg	05:02:06.097	1.3					T_				m_e	
PRU	1.76	214.1	Pn	05:01:49.264	0.0					T_	7.1			m_e	ML 3.0
PRU	1.76	214.1	Sg	05:02:15.735	1.4					T_				m_e	
FBE	1.79	253.6	Pn	05:01:50.600	1.0					T_	1.6			m_e	ML 2.5
FBE	1.79	253.6	Sg	05:02:14.793	-0.4					T_				m_e	
MORC	1.92	150.5	Pn	05:01:51.466	0.1					T_	43.3			m_e	ML 2.9
MORC	1.92	150.5	Sg	05:02:19.576	0.2					T_				m_e	
CLL	1.92	266.8	Pn	05:01:50.522	-0.9					T_	11.7			m_e	ML 3.2
CLL	1.92	266.8	Pg	05:01:53.576	-1.1					T_	11.9			m_e	
CLL	1.92	266.8	Sg	05:02:19.815	0.3					T_				m_e	
GKP	1.95	20.9	Pg	05:01:54.737	-0.3					T_	3.0			m_e	ML 3.4
GKP	1.95	20.9	Sg	05:02:20.936	0.7					T_				m_e	
OKC	2.08	140.2	Pn	05:01:53.097	-0.5					T_	1.9			m_e	ML 3.4
OKC	2.08	140.2	Sg	05:02:25.011	0.4					T_				m_e	
WERD	2.58	248.4	Pn	05:02:00.415	0.1					T_	6.6			m_e	ML 3.5
WERD	2.58	248.4	Sg	05:02:39.929	-0.4					T_				m_e	
NKC	2.60	243.3	Pn	05:02:00.916	0.4					T_	20.4			m_e	ML 3.8
NKC	2.60	243.3	Sg	05:02:42.812	1.9					T_				m_e	

OJC	2.66	116.3	Pn	05:02:00.467	-0.9	T__	2.3	m_e	ML	3.6
OJC	2.66	116.3	Pg	05:02:07.893	-0.6	T__	10.7	m_e		
OJC	2.66	116.3	Sg	05:02:43.699	0.9	T__		m_e		
KHC	2.82	215.4	Pn	05:02:04.071	0.5	T__	7.7	m_e	ML	3.2
KHC	2.82	215.4	Sg	05:02:50.396	2.4	T__		m_e		
MOX	2.92	255.6	Pn	05:02:04.766	-0.2	T__	4.2	m_e	ML	3.9
MOX	2.92	255.6	Pg	05:02:13.304	-0.1	T__	4.2	m_e		
MOX	2.92	255.6	Sg	05:02:51.155	0.0	T__		m_e		
ROTZ	2.98	237.0	Pn	05:02:06.485	0.7	T__	10.5	m_e	ML	3.5
ROTZ	2.98	237.0	Pg	05:02:14.949	0.4	T__	2.5	m_e		
ROTZ	2.98	237.0	Sg	05:02:53.297	0.2	T__		m_e		
GEC2	3.02	211.1	Pn	05:02:07.793	1.5	T__	12.5	m_e	ML	3.4
GEC2	3.02	211.1	Pg	05:02:15.526	0.2	T__	7.5	m_e		
GEC2	3.02	211.1	Sg	05:02:54.404	-0.0	T__		m_e		
WET	3.09	222.7	Pn	05:02:08.138	1.0	T__	12.9	m_e	ML	3.4
WET	3.09	222.7	Sg	05:02:56.636	0.2	T__		m_e		
GRA1	3.55	242.1	Pn	05:02:14.209	0.7	T__	7.4	m_e	ML	4.1
GRA1	3.55	242.1	Sg	05:03:12.176	1.0	T__		m_e		
CLZ	3.56	278.4	Pn	05:02:14.099	0.5	T__	6.0	m_e		

Event 90119010 Switzerland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/19	13:12:25.42	0.73	1.20	46.5560	7.3470	10.0	7.8	176	10.0f		15	10	286	1.89	4.97	m i ke	BGR	90119020
2009/01/19	13:12:24.90			46.6000	7.5000				6.0							m i uk	SED	90119010
(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.2	6 BGR	90119020
ML	2.7		SED	90119010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.82	17.7	Pn	13:12:55.734	-0.2					___	8.1			m_e	ML 3.0
BFO	1.82	17.7	Sg	13:13:23.402	0.7					___				m_e	
STU	2.45	27.1	Sg	13:13:46.451	3.6					___				m_e	ML 3.5
FUR	3.00	57.2	Sg	13:14:03.854	3.8					___				m_e	ML 3.7
WLF	3.19	344.1	Pn	13:13:12.587	-2.0					___	1.6			m_e	ML 3.7
WLF	3.19	344.1	Sg	13:14:07.992	1.6					___				m_e	
TNS	3.68	9.5	Pn	13:13:21.489	0.4					___	2.9			m_e	
TNS	3.68	9.5	Sn	13:14:04.600	2.9					___				m_e	
TNS	3.68	9.5	Sg	13:14:23.147	1.4					___				m_e	
GRA1	3.96	37.4	Sg	13:14:35.248	4.4					___				m_e	ML 3.7
DREG	4.15	348.8	Pn	13:13:29.990	2.5					___	3.3			m_e	
WET	4.41	52.8	Pn	13:13:33.224	2.1					___	2.2			m_e	ML 3.5
WET	4.41	52.8	Sg	13:14:48.471	3.4					___				m_e	
GEC2	4.74	59.4	Pn	13:13:37.574	2.1					___	2.1			m_e	
MOX	4.87	32.4	Sg	13:15:01.315	1.6					___				m_e	

Event 90119012 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/01/19	15:34:28.70	0.15	0.28	51.5587	6.5788	2.6	1.8	005	1.0f		26	13	250			m i sr	LDG	90119042	
2009/01/19	15:34:29.20	0.75	0.31	51.5090	6.5470				1.0f				9	270	0.29	1.32	m i ki	BNS	90119032
2009/01/19	15:34:29.72	0.28	0.64	51.5000	6.5230	4.4	2.2	120	1.0f		15	9	095	0.42	1.85	m i ki	BGR	90119022	
2009/01/19	15:34:28.60			51.5250	6.5810				1.0f							m i ki	BUG	90119012	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.3	9 LDG	90119042
ML	2.4		BNS	90119032
ML	2.6	0.1	4 BGR	90119022
ML	2.4		BUG	90119012

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

(Felt in Moers.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.29	127.4	Pg	15:34:34.720	0.7									m_e	
BUG	0.44	100.9	Pg	15:34:37.800	1.0					TA_				mde	ML 2.4
BUG	0.44	100.9	Sg	15:34:44.500	2.0					TA_				m_	
OPLO	0.45	281.0	Sg	15:34:42.572	-0.3									m_e	
RODG	0.46	213.5	Pg	15:34:37.790	0.6									m_e	
WTSB	0.46	16.9	Pg	15:34:39.060	1.8						8.8			m_e	
WTSB	0.46	16.9	Sg	15:34:45.776	2.5									m_e	
BNS	0.67	146.2	Pg	15:34:42.110	0.8									m_e	
HOBG	0.72	138.7	Pg	15:34:42.930	0.8									m_e	
HGN	0.86	208.4	Pg	15:34:45.361	0.5						5.6			m_e	
HGN	0.86	208.4	Sg	15:34:56.626	0.6									m_e	
DREG	0.89	194.4	Pg	15:34:45.680	0.3						29.7			m_e	
DREG	0.89	194.4	Sg	15:34:58.084	1.2									m_e	
KLL	0.89	191.0	Pg	15:34:45.750	0.3									m_e	
STB	0.95	170.0	Pg	15:34:47.050	0.6									m_e	
STB	0.95	170.0	Sg	15:35:00.290	1.7							155.3	0.39	m_e	
MEM	0.98	201.7	Pg	15:34:47.311	0.2						8.5			m_e	
MEM	0.98	201.7	Sg	15:35:00.485	0.6									m_e	
IBBN	1.07	42.5	Pg	15:34:50.532	1.8						2.3			m_e	ML 2.7
IBBN	1.07	42.5	Sg	15:35:05.609	3.1									m_e	
HILG	1.23	177.1	Pg	15:34:52.300	0.4									m_e	
KOE	1.32	146.2	Pg	15:34:53.520	0.1									m_e	
TNS	1.76	137.2	Pn	15:35:01.019	1.7						6.6			m_e	ML 2.5
WLF	1.88	188.5	Sg	15:35:26.953	-1.4									m_e	ML 2.7

Event 90121002 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	
2009/01/21	02:48:00.20	0.63	0.31	51.6820	7.5950				1.0f				7	305	0.52	1.51	m i ki	BNS	90121022
2009/01/21	02:48:00.03	0.37	0.82	51.7400	7.5220	5.6	3.3	165	1.0f		16	9	149	0.34	1.80	m i ki	BGR	90121012	
2009/01/21	02:47:59.60			51.6450	7.6800				1.0f				187	0.13	0.33	m i ki	BUG	90121002	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
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ML	1.8		BNS	90121022
ML	2.1	0.2	2 BGR	90121012
ML	1.7		BUG	90121002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.13	43.7	Pg	02:48:03.700	1.7					T__				m__	ML 1.0
BAHL	0.13	43.7	Sg	02:48:06.300	2.7					T__				m__	
BUG	0.33	231.5	Pg	02:48:06.700	0.9					TA_				mde	ML 1.7
BUG	0.33	231.5	Sg	02:48:11.900	1.9					TA_				m__	
LAUG	0.54	237.6	Pg	02:48:10.130	0.3					---				m_e	
WTSB	0.63	300.9	Sg	02:48:14.858	-4.8					---				m_e	
HOBG	0.70	198.2	Pg	02:48:13.540	0.8					---				m_e	
STB	1.18	207.0	Pg	02:48:21.970	0.2					---				m_e	
STB	1.18	207.0	Sg	02:48:38.670	1.7					---		22.7	0.31	m_e	
KOE	1.22	178.5	Pg	02:48:23.320	0.7					---				m_e	
DREG	1.34	223.3	Pg	02:48:25.172	0.4					---	3.6			m_e	
DREG	1.34	223.3	Sg	02:48:43.293	1.2					---				m_e	
HGN	1.41	231.9	Pg	02:48:26.066	-0.0					---	5.4			m_e	
HGN	1.41	231.9	Sg	02:48:44.329	0.1					---				m_e	
GTTG	1.42	93.1	Pn	02:48:27.957	2.1					---	1.1			m_e	ML 2.2
BGG	1.46	188.7	Pg	02:48:26.370	-0.7					---				m_e	
MEM	1.47	226.0	Pn	02:48:27.459	0.9					---	1.9			m_e	
MEM	1.47	226.0	Sg	02:48:46.706	0.2					---				m_e	
HILG	1.49	205.4	Pg	02:48:27.540	-0.2					---				m_e	
TNS	1.50	160.9	Pn	02:48:28.196	1.3					---	2.7			m_e	
TNS	1.50	160.9	Sg	02:48:50.970	3.6					---				m_e	
UBBA	1.67	118.7	Pn	02:48:32.912	3.7					---	2.0			m_e	
UBBA	1.67	118.7	Sg	02:48:55.847	3.1					---				m_e	
CLZ	1.68	82.2	Pn	02:48:32.058	2.8					---	2.6			m_e	
CLZ	1.68	82.2	Sg	02:48:56.359	3.4					---				m_e	

Event 90121005 Selestat/F, SSW of Strasbourg/Upper Rhine Graben

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/21	03:43:12.40	0.04	0.52	48.2526	7.6137	1.0	0.7	148	11.9	0.6	51	19	038			m i ke	LDG	90121025
2009/01/21	03:43:12.22	0.20	0.76	48.2700	7.6610	2.2	2.2	113	10.0f		37	27	057	0.13	4.04	m i ke	BGR	90121015
2009/01/21	03:43:12.17	0.14	0.22	48.2640	7.6360	2.0	1.1	344	10.0f		32	17	101	0.12	2.03	m i ke	LED	90121005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.0	3 LDG	90121025
ML	2.6	0.3	19 LDG	90121025
ML	2.3	0.4	9 BGR	90121015
ML	2.5	0.2	13 LED	90121005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LIBD	0.12	191.0	P*	03:43:15.570						T__				mdi	
LIBD	0.12	191.0	S*	03:43:18.010						---				m__	
ECH	0.32	261.6	P*	03:43:18.600						T__				mci	
ECH	0.32	261.6	S*	03:43:22.950						T__				m__	
STR	0.33	14.0	Pg	03:43:19.361	0.7					---	2.1			m_e	
STRF	0.33	15.0	Sg	03:43:24.522	1.4					---				m_e	

KIZ	0.36	148.4	P*	03:43:19.300		T__	mdi	ML	1.7
KIZ	0.36	148.4	S*	03:43:24.350		T__	m__		
FELD	0.46	147.5	P*	03:43:21.290		T__	m__		
BFO	0.47	81.6	P*	03:43:21.260		T__	mci	ML	2.1
BFO	0.47	81.6	PmP	03:43:23.140	-1.2	T__	m__		
BFO	0.47	81.6	S*	03:43:27.410		T__	m__		
MOF	0.53	219.4	P*	03:43:22.650		T__	mc_		
MOF	0.53	219.4	Pg	03:43:22.633	0.3	___	m_e		29.2
MOF	0.53	219.4	PmP	03:43:23.690	-1.6	T__	m_i		
LANF	0.73	8.8	P*	03:43:26.190		T__	m__		
LANF	0.73	8.8	Pg	03:43:29.570	3.6	___	m__		
SLE	0.76	130.6	Pg	03:43:27.190	0.6	___	m_e	ML	2.2
SLE	0.76	130.6	Sg	03:43:36.898	0.4	___	m_e		
SPAK	0.78	101.5	P*	03:43:27.380		T__	m__		
SPAK	0.78	101.5	PmP	03:43:27.800	-1.4	T__	m__		
SULZ	0.80	156.3	Pg	03:43:27.741	0.4	___	m_e	ML	2.1
SULZ	0.80	156.3	Sg	03:43:38.360	0.6	___	m_e		
BBS	0.80	186.1	Pg	03:43:27.706	0.3	___	m_e		6.8
BBS	0.80	186.1	PmP	03:43:28.090	-1.4	T__	m__		
LBG	0.87	62.1	P	03:43:28.460		T__	md_	ML	2.5
LBG	0.87	62.1	S	03:43:39.860		T__	m__		
LBG	0.87	62.1	SmS	03:43:41.090	-2.1	T__	m__		
BOURR	0.91	197.5	Pg	03:43:29.518	0.1	___	m_e	ML	2.3
BOURR	0.91	197.5	Sg	03:43:42.092	0.9	___	m_e		
BALST	0.93	177.5	Pg	03:43:29.491	-0.3	___	m_e	ML	2.2
BALST	0.93	177.5	Sg	03:43:41.324	-0.5	___	m_e		
TUBL	0.99	74.4	Sg	03:43:44.680	0.8	T__	m__	ML	2.5
GUT	1.01	100.5	Pg	03:43:31.620	0.4	T__	m__	ML	2.5
GUT	1.01	100.5	PmP	03:43:30.750	-2.2	T__	mdi		
GUT	1.01	100.5	Sg	03:43:44.830	0.6	T__	m__		
GUT	1.01	100.5	SmS	03:43:45.310	-1.8	T__	m__		
SISB	1.06	122.5	Pg	03:43:32.430	0.2	T__	md_	ML	2.3
SISB	1.06	122.5	Sg	03:43:47.090	1.1	T__	m__		
LOMF	1.06	211.0	P	03:43:31.620		T__	m__		
LOMF	1.06	211.0	Pg	03:43:32.380	0.1	T__	m__		
THEF	1.09	268.7	P	03:43:31.860		T__	mc_		
THEF	1.09	268.7	Pg	03:43:33.050	0.2	T__	m__		
ZUR	1.10	144.3	Pg	03:43:33.081	0.2	___	m_e	ML	2.4
ZUR	1.10	144.3	Sg	03:43:46.878	-0.3	___	m_e		
STU	1.15	63.3	Pn	03:43:34.056	0.4	___	m_e	ML	2.5
STU	1.15	63.3	Sg	03:43:48.890	0.1	T__	m__		
BUCH	1.16	80.1	P	03:43:32.700		T__	mdi	ML	2.8
BUCH	1.16	80.1	Pg	03:43:34.510	0.5	___	m__		
BUCH	1.16	80.1	Sg	03:43:49.890	0.9	T__	m__		
SIND	1.69	49.4	Pg	03:43:44.740	0.7	___	m__	ML	2.5
SIND	1.69	49.4	Sg	03:44:06.380	0.4	___	m__		
WLF	1.71	325.7	Sg	03:44:06.670	0.2	___	m__	ML	2.4
HDH	1.74	78.4	Pg	03:43:45.260	0.3	___	m__	ML	2.3
HDH	1.74	78.4	Sg	03:44:07.650	0.3	___	m__		
UBR	1.75	108.5	Pg	03:43:46.130	0.8	___	m__	ML	2.4
UBR	1.75	108.5	Sg	03:44:09.580	1.6	___	m__		
TNS	2.03	14.8	Pg	03:43:51.641	1.2	___	m_e	ML	2.5
TNS	2.03	14.8	Sg	03:44:16.440	-0.2	___	m__		
GRA1	2.75	57.4	Pg	03:44:03.549	-0.5	___	m_e	ML	3.0

GRA1	2.75	57.4	Sg	03:44:38.935	-0.7	---													m_e
UBBA	2.98	30.1	Sg	03:44:47.012	0.1	---													m_e
ROTZ	3.35	61.7	Sg	03:44:56.556	-2.2	---													m_e
MOX	3.51	45.9	Pg	03:44:17.435	-1.0	---					3.0								m_e
MOX	3.51	45.9	Sg	03:45:02.674	-1.2	---													m_e
WET	3.57	73.8	Sg	03:45:04.106	-1.5	---													m_e
TANN	3.81	53.8	Sg	03:45:11.563	-1.6	---													m_e
GEC2	4.06	79.5	Sg	03:45:20.623	-0.4	---													m_e

Event 90121008 Luenen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/21	10:30:32.23	0.59	0.68	51.5560	7.6760	8.9	3.3	171	1.0f		11	7	193	0.28	1.70	m i ki	BGR	90121018
2009/01/21	10:30:30.00			51.6740	7.6330				1.0f				197	0.13	0.32	m i ki	BUG	90121008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	3 BGR	90121018
ML	1.7		BUG	90121008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.13	61.7	Pg	10:30:34.100	1.6					T_				m ML	1.1
BAHL	0.13	61.7	Sg	10:30:36.900	2.7					T_				m	
BUG	0.32	224.2	Pg	10:30:37.100	1.0					TA_				mde ML	1.7
BUG	0.32	224.2	Sg	10:30:42.300	2.0					TA_				m	
DREG	1.34	221.5	Pg	10:30:55.519	0.3						2.4			m_e	
DREG	1.34	221.5	Sg	10:31:13.409	0.9									m_e	
HGN	1.40	230.2	Pg	10:30:56.389	-0.0						3.7			m_e	
HGN	1.40	230.2	Sg	10:31:15.219	0.7									m_e	
MEM	1.47	224.4	Sg	10:31:17.555	0.7									m_e	
TNS	1.54	160.2	Pg	10:30:58.754	-0.3						2.5			m_e ML	2.3
TNS	1.54	160.2	Sg	10:31:16.919	-2.0									m_e	
CLZ	1.70	83.3	Sg	10:31:26.522	2.4									m_e ML	2.1
UBBA	1.71	119.1	Sg	10:31:24.926	0.6									m_e	

Event 90121022 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/21	23:07:06.31	0.21	0.87	51.5330	16.1330	3.3	2.2	013	1.0f		65	32	097	0.70	5.95	m i ki	BGR	90121022

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.4	23 BGR	90121022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.70	171.6	Pg	23:07:19.109	-0.3					T_	89.5			m_e ML	2.7
KSP	0.70	171.6	Sg	23:07:28.823	0.4					T_				m_e	
DPC	1.19	174.2	Pg	23:07:27.874	-0.8					T_	186.8			m_e ML	2.8
DPC	1.19	174.2	Sg	23:07:43.797	-0.3					T_				m_e	
BRG	1.52	245.2	Pn	23:07:32.997	-0.9					T_	4.9			m_e ML	3.3
BRG	1.52	245.2	Pg	23:07:35.049	0.0					T_	60.7			m_e	

BRG	1.52	245.2	Sg	23:07:54.862	0.2	T__		m_e	
RUE	1.73	304.0	Pn	23:07:36.422	-0.3	T__	14.5	m_e ML	3.3
RUE	1.73	304.0	Sg	23:08:02.235	1.0	T__		m_e	
PRU	1.84	213.7	Pn	23:07:37.656	-0.6	T__	4.4	m_e ML	2.9
PRU	1.84	213.7	Pg	23:07:39.730	-1.3	T__	69.3	m_e	
PRU	1.84	213.7	Sg	23:08:06.095	1.2	T__		m_e	
FBE	1.84	251.7	Pn	23:07:37.707	-0.6	T__	2.7	m_e ML	2.5
FBE	1.84	251.7	Pg	23:07:40.448	-0.6	T__	19.5	m_e	
FBE	1.84	251.7	Sg	23:08:04.830	-0.1	T__		m_e	
GKP	1.86	20.8	Pn	23:07:36.604	-1.9	T__	1.3	m_e ML	3.3
GKP	1.86	20.8	Pg	23:07:40.563	-0.9	T__	13.5	m_e	
CLL	1.96	264.6	Pn	23:07:39.420	-0.5	T__	6.3	m_e ML	3.3
CLL	1.96	264.6	Pg	23:07:42.804	-0.5	T__	5.5	m_e	
CLL	1.96	264.6	Sg	23:08:08.683	-0.1	T__		m_e	
MORC	1.97	152.5	Pn	23:07:39.719	-0.3	T__	38.4	m_e ML	3.0
MORC	1.97	152.5	Sg	23:08:07.836	-1.1	T__		m_e	
OKC	2.12	142.2	Pn	23:07:41.612	-0.4	T__	2.5	m_e ML	3.3
OKC	2.12	142.2	Pg	23:07:46.151	-0.2	T__	8.3	m_e	
OKC	2.12	142.2	Sg	23:08:12.997	-0.7	T__		m_e	
TANN	2.57	245.6	Pn	23:07:48.509	0.4	T__	11.4	m_e ML	3.4
TANN	2.57	245.6	Pg	23:07:55.148	0.4	T__	5.0	m_e	
TANN	2.57	245.6	Sg	23:08:26.197	-1.7	T__		m_e	
WERD	2.64	247.2	Pn	23:07:49.202	0.1	T__	4.6	m_e ML	3.4
WERD	2.64	247.2	Pg	23:07:55.684	-0.4	T__	11.0	m_e	
WERD	2.64	247.2	Sg	23:08:29.067	-1.2	T__		m_e	
OJC	2.66	118.2	Pn	23:07:48.325	-1.0	T__	4.3	m_e ML	3.5
OJC	2.66	118.2	Pg	23:07:56.695	0.3	T__	7.1	m_e	
OJC	2.66	118.2	Sg	23:08:33.074	2.3	T__		m_e	
NKC	2.66	242.2	Pn	23:07:49.521	0.2	T__	13.4	m_e ML	3.7
GUNZ	2.66	245.5	Pn	23:07:49.790	0.4	T__	3.3	m_e ML	3.6
GUNZ	2.66	245.5	Pg	23:07:56.344	-0.2	T__	6.7	m_e	
GUNZ	2.66	245.5	Sg	23:08:31.650	0.7	T__		m_e	
WERN	2.68	243.7	Pn	23:07:50.622	1.1	T__	11.6	m_e ML	3.6
WERN	2.68	243.7	Pg	23:07:56.977	0.2	T__	3.8	m_e	
WERN	2.68	243.7	Sg	23:08:31.534	0.2	T__		m_e	
PLN	2.71	248.8	Pn	23:07:50.133	0.1	T__	6.7	m_e	
PLN	2.71	248.8	Pg	23:07:56.453	-1.0	T__	3.3	m_e	
PLN	2.71	248.8	Sg	23:08:31.895	-0.6	T__		m_e	
NEUB	2.74	264.9	Pg	23:07:57.897	-0.0	T__	8.4	m_e ML	4.0
NEUB	2.74	264.9	Sg	23:08:33.401	0.1	T__		m_e	
MOX	2.97	254.4	Pn	23:07:53.843	0.3	T__	4.7	m_e ML	3.6
MOX	2.97	254.4	Pg	23:08:01.758	-0.6	T__	7.5	m_e	
MOX	2.97	254.4	Sg	23:08:41.940	1.2	T__		m_e	
ROTZ	3.05	236.2	Pn	23:07:55.025	0.4	T__	16.3	m_e ML	3.2
ROTZ	3.05	236.2	Pg	23:08:03.184	-0.6	T__	1.4	m_e	
GEC2	3.11	211.0	Pn	23:07:55.501	0.1	T__	18.1	m_e ML	3.5
WET	3.17	222.3	Pn	23:07:56.551	0.4	T__	8.8	m_e ML	3.4
CLZ	3.58	277.2	Pn	23:08:03.282	1.4	T__	8.1	m_e ML	3.6
GRA1	3.62	241.3	Pn	23:08:03.029	0.7	T__	6.8	m_e ML	3.9
GRA1	3.62	241.3	Sg	23:09:01.344	0.1	T__		m_e	
UBBA	3.91	261.9	Pn	23:08:07.747	1.5	T__	4.4	m_e	
UBBA	3.91	261.9	Sg	23:09:12.528	2.0	T__		m_e	
VYHS	3.91	261.9	Pn	23:08:01.087	-5.2	T__	7.6	m_e	
BSEG	4.26	306.6	Pn	23:08:10.349	-0.7	T__	8.0	m_e	

RJOB	4.37	210.9	Pn	23:08:13.436	1.0	T__	6.4	m_e
FUR	4.60	224.8	Pn	23:08:16.843	1.2	T__	1.9	m_e
TNS	5.02	257.9	Pn	23:08:22.170	0.8	T__	4.0	m_e
BFO	5.95	240.5	Sg	23:10:16.562	1.1	T__		m_e

Event 90122014 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
2009/01/22	16:40:55.50	0.61	0.31	51.6820	7.6480				1.0f			6	304	0.55	1.49	m i ki	BNS	90122034
2009/01/22	16:40:55.10	0.57	0.69	51.7930	7.4450	8.9	3.3	159	1.0f		13	9	187	0.37	1.87	m i ki	BGR	90122024
2009/01/22	16:40:55.00			51.6450	7.6790				1.0f							m i ki	BUG	90122014

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	90122034
ML	2.1	0.1	2 BGR	90122024
ML	1.7		BUG	90122014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.33	231.4	Pg	16:41:02.200	1.0					TA_				mde	ML 1.7
BUG	0.33	231.4	Sg	16:41:07.300	1.9					TA_				m_	
LAUG	0.54	237.6	Pg	16:41:05.890	0.6									m_e	
HOBG	0.70	198.2	Pg	16:41:08.980	0.9									m_e	
OPLO	1.12	268.8	Sg	16:41:26.619	-4.0									m_e	
STB	1.18	206.9	Pg	16:41:18.180	1.0									m_e	
STB	1.18	206.9	Sg	16:41:34.260	1.9							31.3	0.36	m_e	
KOE	1.22	178.4	Pg	16:41:18.670	0.7									m_e	
DREG	1.34	223.3	Pg	16:41:20.589	0.4						3.1			m_e	
DREG	1.34	223.3	Sg	16:41:38.789	1.3									m_e	
HGN	1.41	231.9	Pg	16:41:21.459	-0.0						5.9			m_e	
HGN	1.41	231.9	Sg	16:41:39.636	-0.0									m_e	
GTTG	1.42	93.1	Sg	16:41:45.453	5.2									m_e	ML 2.2
BGG	1.46	188.6	Pg	16:41:21.380	-1.0									m_e	
MEM	1.47	226.0	Pg	16:41:22.986	0.2						2.9			m_e	
MEM	1.47	226.0	Sg	16:41:42.533	0.7									m_e	
TNS	1.50	160.9	Pn	16:41:22.818	0.5						1.4			m_e	
UBBA	1.67	118.7	Pn	16:41:28.124	3.5						1.8			m_e	
CLZ	1.68	82.2	Pn	16:41:27.410	2.7						2.8			m_e	

Event 90122015 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
2009/01/22	17:04:18.00	1.00	0.51	51.7040	7.6800				1.0f			6	306	0.58	1.38	m i ki	BNS	90122035
2009/01/22	17:04:18.60	0.36	0.59	51.6260	7.7870	4.4	3.3	175	1.0f		15	8	142	0.37	1.62	m i ki	BGR	90122025
2009/01/22	17:04:17.50			51.6550	7.7540				1.0f							m i ki	BUG	90122015

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90122035
ML	2.2	0.1	3 BGR	90122025

ML 1.9 BUG 90122015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.37	234.8	Pg	17:04:25.500	1.0					TA_				mde	ML 1.9
BUG	0.37	234.8	Sg	17:04:31.200	1.9					TA_				m_	
LAUG	0.59	239.2	Pg	17:04:28.670	0.1									m_e	
WTSB	0.67	298.2	Pg	17:04:32.043	2.0						3.6			m_e	
WTSB	0.67	298.2	Sg	17:04:41.705	3.0									m_e	
HOBG	0.72	201.5	Pg	17:04:31.670	0.6									m_e	
STB	1.21	208.8	Pg	17:04:40.860	0.6									m_e	
STB	1.21	208.8	Sg	17:04:58.040	2.2							23.5	0.54	m_e	
KOE	1.23	180.7	Pg	17:04:41.310	0.6									m_e	
KLL	1.35	222.5	Pg	17:04:42.950	-0.1									m_e	
DREG	1.38	224.5	Pg	17:04:43.736	0.3						2.2			m_e	
DREG	1.38	224.5	Sg	17:05:02.389	1.2									m_e	
HGN	1.45	232.7	Pg	17:04:44.619	-0.2						5.1			m_e	
HGN	1.45	232.7	Sg	17:05:04.080	0.6									m_e	
TNS	1.50	162.8	Pg	17:04:46.186	0.5						3.7			m_e	ML 2.1
TNS	1.50	162.8	Sg	17:05:06.084	1.0									m_e	
MEM	1.52	227.0	Pn	17:04:45.995	1.0						1.6			m_e	
MEM	1.52	227.0	Sg	17:05:06.838	1.2									m_e	
CLZ	1.63	82.4	Pn	17:04:47.444	0.9						1.3			m_e	ML 2.3
CLZ	1.63	82.4	Pg	17:04:48.602	0.3						10.3			m_e	
UBBA	1.64	119.8	Pg	17:04:49.251	0.9						5.2			m_e	

Event 90123001 Selestat/F, SSW of Strasbourg/Upper Rhine Graben

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/23	01:18:20.70	0.04	0.56	48.2619	7.6076	0.9	0.7	155	12.0f		96	31	034			m i ke	LDG	90123021
2009/01/23	01:18:21.83	0.45	0.83	48.3430	7.7030	5.6	3.3	024	10.0f		28	16	225	0.42	4.00	m i ke	BGR	90123011
2009/01/23	01:18:20.87	0.10	0.19	48.2610	7.6350	1.3	1.0	346	10.0	1.5	41	18	101	0.11	2.03	m i ke	LED	90123001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.3	0.1	3 LDG	90123021
ML	3.2	0.3	30 LDG	90123021
ML	3.1	0.4	12 BGR	90123011
ML	3.2	0.3	12 LED	90123001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LIBD	0.11	190.9	P*	01:18:24.150						T_				mdi	
LIBD	0.11	190.9	S*	01:18:26.170										m_	
FBB	0.30	150.6	P*	01:18:27.060						T_				m_	
FBB	0.30	150.6	S*	01:18:31.280						T_				m_	
ECH	0.32	262.1	P*	01:18:27.200						T_				m_i	
ECH	0.32	262.1	S*	01:18:31.750						T_				m_i	
KIZ	0.36	148.1	P*	01:18:27.920						T_				mdi	ML 2.3
KIZ	0.36	148.1	S*	01:18:32.880						T_				m_	
FELD	0.46	147.2	P*	01:18:29.850						T_				mdi	
FELD	0.46	147.2	PmP	01:18:32.020	-0.9					T_				m_	
BFO	0.47	81.2	P*	01:18:29.880						T_				mci	ML 2.7
BFO	0.47	81.2	PmP	01:18:31.790	-1.3					T_				m_	

BFO	0.47	81.2	S*	01:18:36.000		T__	m__		
MOF	0.53	219.5	P*	01:18:31.240		T__	mci		
MOF	0.53	219.5	PmP	01:18:32.330	-1.6	T__	md_		
LANF	0.73	8.8	P*	01:18:34.770		T__	mc_		
LANF	0.73	8.8	PmP	01:18:35.630	-1.4	T__	m__		
SPAK	0.78	101.3	P*	01:18:35.980		T__	mc_		
BBS	0.80	186.1	P*	01:18:36.210		T__	mc_		
BBS	0.80	186.1	PmP	01:18:36.690	-1.5	T__	m_i		
LBG	0.87	61.9	P	01:18:37.040		T__	md_ ML	3.2	
LBG	0.87	61.9	S	01:18:48.480		T__	m__		
LBG	0.87	61.9	SmS	01:18:49.810	-2.1	T__	m__		
TUBL	1.00	74.2	P	01:18:39.020		T__	md_ ML	3.2	
TUBL	1.00	74.2	Pg	01:18:39.990	0.3	T__	m__		
TUBL	1.00	74.2	Sg	01:18:53.200	0.5	T__	m__		
GUT	1.01	100.3	P	01:18:39.360		T__	mdi ML	3.3	
GUT	1.01	100.3	Pg	01:18:40.220	0.3	T__	m__		
GUT	1.01	100.3	SmS	01:18:53.890	-2.0	T__	m__		
SISB	1.06	122.4	Pg	01:18:41.020	0.1	T__	md_ ML	3.0	
SISB	1.06	122.4	Sg	01:18:55.760	1.1	T__	m__		
LOMF	1.06	211.1	P	01:18:40.200		T__	m__		
LOMF	1.06	211.1	Pg	01:18:41.020	0.1	T__	m__		
THEF	1.09	268.9	P	01:18:40.460		T__	mci		
THEF	1.09	268.9	Pg	01:18:41.650	0.1	T__	m__		
KTD	1.10	15.4	P	01:18:40.100		T__	m__		
STU	1.15	63.1	P	01:18:40.850		T__	mdi ML	3.2	
STU	1.15	63.1	Pg	01:18:42.900	0.3	T__	m__		
STU	1.15	63.1	Sg	01:18:57.550	-0.0	T__	m__		
BUCH	1.16	80.0	P	01:18:41.280		T__	mdi ML	3.4	
BUCH	1.16	80.0	Pg	01:18:43.150	0.4	T__	m_i		
BUCH	1.16	80.0	S	01:18:56.290		T__	m__		
BUCH	1.16	80.0	Sg	01:18:58.460	0.7	T__	m__		
RUP	1.49	345.5	Pg	01:18:48.900	-0.1	T__	m__		
TOD	1.55	29.3	Pg	01:18:50.100	-0.0	T__	m__		
ABH	1.62	358.0	Pg	01:18:51.500	0.0	T__	m__		
SIND	1.69	49.3	P	01:18:47.950		T__	mci ML	3.2	
SIND	1.69	49.3	Pg	01:18:53.280	0.5	T__	m__		
SIND	1.69	49.3	Sg	01:19:15.140	0.4	T__	m__		
WLF	1.71	325.8	Pn	01:18:50.702	0.8	T__	m_e ML	2.6	
WLF	1.71	325.8	Pg	01:18:53.370	0.3	T__	md_		
WLF	1.71	325.8	Sg	01:19:14.521	-0.7	T__	m_e		
HDH	1.74	78.3	P	01:18:49.100		T__	m_ ML	2.9	
HDH	1.74	78.3	Pg	01:18:53.900	0.2	T__	m__		
HDH	1.74	78.3	Sg	01:19:16.240	0.1	T__	m__		
UBR	1.75	108.4	P	01:18:50.690		T__	mdi ML	2.8	
UBR	1.75	108.4	Pg	01:18:54.770	0.8	T__	m_i		
UBR	1.75	108.4	Sg	01:19:18.020	1.3	T__	m__		
TNS	2.03	14.8	P	01:18:52.930		T__	md_ ML	3.0	
TNS	2.03	14.8	Sg	01:19:25.040	-0.4	T__	m__		
FUR	2.43	91.0	Pn	01:19:00.189	0.5	T__	m_e ML	3.5	
FUR	2.43	91.0	Pg	01:19:06.929	0.3	T__	m_e		
FUR	2.43	91.0	Sg	01:19:38.583	0.5	T__	m_e		
GRA1	2.75	57.4	Pg	01:19:12.746	-0.1	T__	m_e ML	3.3	
GRA1	2.75	57.4	Sg	01:19:46.204	-2.2	T__	m_e		
UBBA	2.98	30.1	Pg	01:19:17.188	0.1	T__	m_e ML	3.1	

WLF	1.84	188.5	Sg	14:14:14.524	-0.2															m_e
CLZ	2.38	79.9	Pg	14:14:00.983	-0.3															m_e

Event 90124004 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
2009/01/24	12:38:38.40	0.60	0.31	51.6200	7.6520				1.0f			7	299	0.52	1.43	m i k i	BNS	90124024
2009/01/24	12:38:37.45	0.55	0.56	51.5660	7.7290	7.8	4.4	114	1.0f		11	7	160	0.31	1.44	m i k i	BGR	90124014
2009/01/24	12:38:36.90			51.6430	7.6790				1.0f							m i k i	BUG	90124004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90124024
ML	2.0	0.1	3 BGR	90124014
ML	1.7		BUG	90124004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.33	231.7	Pg	12:38:44.000	1.0					TA_				m_e	ML 1.7
BUG	0.33	231.7	Sg	12:38:49.200	2.0					TA_				m_e	
LAUG	0.54	237.7	Sg	12:38:55.740	1.6									m_e	
WTSB	0.63	301.1	Pg	12:38:50.729	1.9									m_e	
IBBN	0.67	4.2	Sg	12:39:02.632	4.6									m_e	ML 1.9
HOBG	0.69	198.3	Pg	12:38:50.780	0.8									m_e	
STB	1.17	207.0	Pg	12:39:00.240	1.2									m_e	
STB	1.17	207.0	Sg	12:39:15.550	1.4							30.2	0.41	m_e	
KOE	1.22	178.4	Pg	12:39:00.540	0.7									m_e	
KLL	1.31	221.3	Pg	12:39:01.590	-0.1									m_e	
DREG	1.34	223.3	Pg	12:39:02.383	0.3									m_e	ML 2.2
DREG	1.34	223.3	Sg	12:39:20.832	1.5									m_e	
HGN	1.40	231.9	Pg	12:39:03.308	-0.0									m_e	
HGN	1.40	231.9	Sg	12:39:22.079	0.6									m_e	
BGG	1.45	188.7	Pg	12:39:04.140	-0.1									m_e	
MEM	1.47	226.1	Pg	12:39:04.574	-0.1									m_e	
MEM	1.47	226.1	Sg	12:39:24.257	0.6									m_e	
TNS	1.50	160.9	Pg	12:39:04.607	-0.6									m_e	

Event 90125003 Rastatt/Upper Rhine Graben, French-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/25	09:11:47.40	0.06	0.39	48.8661	8.1959	1.2	1.0	025	11.0f		28	12	039			m i k e	LDG	90125023
2009/01/25	09:11:47.51	0.43	0.82	48.8680	8.1890	6.7	4.4	047	10.0f		9	7	132	0.55	3.63	m i k e	BGR	90125013
2009/01/25	09:11:47.76	0.21	0.31	48.8600	8.2320	3.8	1.7	029	5.0f		24	16	065	0.31	1.72	m i k e	LED	90125003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.4	0.2	3 LDG	90125023
ML	2.5	0.4	12 LDG	90125023
ML	1.9	0.2	2 BGR	90125013
ML	2.0	0.2	12 LED	90125003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LANF	0.31	293.4	P*	09:11:53.700						T__				mci	
LBG	0.42	117.6	P*	09:11:55.760						T__				mci ML	1.7
LBG	0.42	117.6	PmP	09:11:59.070	-0.9					___				m__	
LBG	0.42	117.6	S*	09:12:01.460						T__				m_i	
BFO	0.53	173.0	P*	09:11:57.850						T__				mdi ML	1.6
BFO	0.53	173.0	PmP	09:11:59.080	-2.4					___				m__	
BFO	0.53	173.0	S*	09:12:06.340						T__				m__	
BFO	0.53	173.0	SmS	09:12:08.380	-2.5					___				m__	
STU	0.64	97.7	Pg	09:11:59.684	-0.2					___				m_e ML	1.8
STU	0.64	97.7	Sg	09:12:09.905	1.8					___				m_e	
TUBL	0.66	120.7	Pg	09:12:00.940	0.8					T__				m__ ML	2.0
TOD	0.83	26.4	Pg	09:12:03.220	-0.3					T__				m__	
SPAK	0.84	153.9	Pg	09:12:04.300	0.6					T__				m__	
BUCH	0.85	118.6	P*	09:12:03.950						T__				mce ML	2.1
KIZ	0.93	193.1	P*	09:12:05.070						T__				mde ML	2.0
KIZ	0.93	193.1	S*	09:12:17.820						T__				m__	
ECH	0.96	228.2	P*	09:12:05.450						T__				m__ ML	1.4
ECH	0.96	228.2	S*	09:12:18.200						T__				m__	
GUT	0.98	143.1	Pn	09:12:06.220	-1.3					T__				m__ ML	2.2
GUT	0.98	143.1	Pg	09:12:06.940	0.6					T__				mdi	
GUT	0.98	143.1	Sg	09:12:19.730	0.7					T__				m__	
FELD	1.00	188.8	Pn	09:12:06.310	-1.4					T__				mdi	
FELD	1.00	188.8	Pg	09:12:06.850	0.3					T__				mci	
SIND	1.02	61.0	P	09:12:05.940						T__				m__ ML	2.0
ABH	1.11	336.7	Pg	09:12:08.500	-0.3					T__				m__	
MOF	1.24	216.3	Pg	09:12:11.360	0.1					T__				m__	
MOF	1.24	216.3	Sg	09:12:29.150	1.8					___				m__	
SISB	1.27	157.2	Pg	09:12:12.060	0.3					T__				mc__ ML	1.9
HDH	1.33	101.2	Pg	09:12:12.930	0.1					T__				mc__ ML	2.1
HDH	1.33	101.2	Sg	09:12:30.560	0.5					___				m__	
TNS	1.37	5.8	Pg	09:12:12.980	-0.6					___				m_e ML	1.8
TNS	1.37	5.8	S	09:12:28.490						___				m__	
TNS	1.37	5.8	Sg	09:12:32.415	1.1					___				m_e	
BBS	1.48	199.3	Sg	09:12:35.000	0.3					___				m__	
WLF	1.58	301.4	Sg	09:12:36.619	-1.3					___				m_e	
THEF	1.61	247.7	Sg	09:12:39.060	0.1					___				m__	
UBR	1.72	132.7	Sg	09:12:43.040	0.7					___				m__ ML	2.1
DAVA	1.92	144.4	Sg	09:12:50.014	1.2					___				m_e	
GRA1	2.12	65.8	Sg	09:12:54.299	-0.8					___				m_e	
GEC2	3.60	88.2	Pg	09:12:55.012	-0.6					___				m_e	

Event 90126007 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
2009/01/26	14:46:23.70	0.39	0.11	51.6760	7.6220				1.0f			4	316	0.72	1.34	m i ki	BNS	90126027
2009/01/26	14:46:24.27	0.51	0.94	51.6080	7.7270	7.8	5.6	173	1.0f		10	6	139	0.33	1.66	m i ki	BGR	90126017
2009/01/26	14:46:23.10			51.6280	7.7000				1.0f							m i ki	BUG	90126007
#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	90126027

ML 2.0 0.1 3 BGR 90126017
 ML 1.7 BUG 90126007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.33	235.2	Pg	14:46:30.200	0.9					TA_				mde	ML 1.7
BUG	0.33	235.2	Sg	14:46:35.400	1.9					TA_				m__	
WTSB	0.65	301.6	Pg	14:46:38.408	3.0					---				m_e	
HOBG	0.68	199.7	Pg	14:46:37.200	1.2					---				m_e	
STB	1.17	207.9	Pg	14:46:45.920	0.8					---				m_e	
STB	1.17	207.9	Sg	14:47:02.080	1.9					---		23.8	0.44	m_e	
KOE	1.20	179.0	Pg	14:46:46.850	1.1					---				m_e	
DREG	1.33	224.2	Pg	14:46:48.646	0.4					---				m_e	ML 2.1
DREG	1.33	224.2	Sg	14:47:07.210	1.7					---				m_e	
HGN	1.41	232.7	Pg	14:46:49.562	-0.0					---				m_e	
HGN	1.41	232.7	Sg	14:47:08.450	0.7					---				m_e	
TNS	1.48	161.2	Pg	14:46:50.670	-0.4					---				m_e	ML 2.0
TNS	1.48	161.2	Sg	14:47:12.156	2.0					---				m_e	
CLZ	1.67	81.6	Pg	14:46:55.334	0.8					---				m_e	

Event 90126008 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
2009/01/26	16:49:21.60	0.56	0.31	51.6750	7.8100				1.0f			5	317	0.75	1.41	m i ki	BNS	90126028
2009/01/26	16:49:22.25	0.48	0.67	51.6030	7.8190	5.6	4.4	158	1.0f		11	7	140	0.38	1.60	m i ki	BGR	90126018
2009/01/26	16:49:21.40			51.6500	7.7580				1.0f							m i ki	BUG	90126008

(#PRIME)

Magnitude Err Nsta Author OrigID
 ML 1.7 BNS 90126028
 ML 2.0 0.1 3 BGR 90126018
 ML 1.8 BUG 90126008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.37	235.6	Pg	16:49:29.300	0.9					TA_				mde	ML 1.8
BUG	0.37	235.6	Sg	16:49:35.000	1.9					TA_				m__	
WTSB	0.67	298.5	Pg	16:49:36.164	2.1					---				m_e	
WTSB	0.67	298.5	Sg	16:49:45.717	3.0					---				m_e	
HOBG	0.72	201.9	Pg	16:49:35.560	0.6					---				m_e	
STB	1.20	209.0	Pg	16:49:44.260	0.2					---				m_e	
STB	1.20	209.0	Sg	16:50:01.560	1.9					---		15.0	0.32	m_e	
KOE	1.22	180.8	Pg	16:49:44.800	0.3					---				m_e	
KLL	1.35	222.7	Pg	16:49:46.730	-0.2					---				m_e	
DREG	1.37	224.7	Pg	16:49:47.479	0.2					---				m_e	ML 2.0
DREG	1.37	224.7	Sg	16:50:06.840	1.8					---				m_e	
HGN	1.45	233.0	Pg	16:49:48.465	-0.2					---				m_e	
HGN	1.45	233.0	Sg	16:50:07.856	0.5					---				m_e	
TNS	1.49	162.8	Pg	16:49:50.096	0.6					---				m_e	
MEM	1.51	227.2	Sg	16:50:09.866	0.4					---				m_e	
CLZ	1.63	82.2	Pg	16:49:52.403	0.3					---				m_e	ML 2.1

Event 90127002 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/27	00:49:34.40	0.23	0.81	51.5521	6.5925	4.1	2.4	013	1.0f		26	12	247			m i sr	LDG	90127032
2009/01/27	00:49:34.60	0.90	0.41	51.5320	6.5570				1.0f			10	275	0.30	1.41	m i ki	BNS	90127022
2009/01/27	00:49:35.26	0.34	0.75	51.4700	6.6810	6.7	3.3	123	1.0f		13	8	154	0.37	2.32	m i ki	BGR	90127012
2009/01/27	00:49:34.50			51.5180	6.6110				1.0f							m i ki	BUG	90127002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.4	2 LDG	90127032
ML	2.7	0.3	7 LDG	90127032
ML	2.2		BNS	90127022
ML	2.3	0.2	5 BGR	90127012
ML	2.1		BUG	90127002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.27	128.7	Pg	00:49:40.020	0.5									m_e	
BUG	0.42	100.4	Pg	00:49:43.300	0.9					TA_				mde	ML 2.1
BUG	0.42	100.4	Sg	00:49:49.800	2.0					TA_				m_	
RODG	0.46	216.0	Pg	00:49:43.340	0.2									m_e	
WTSB	0.46	14.5	Pg	00:49:44.511	1.3									m_e	
WTSB	0.46	14.5	Sg	00:49:51.336	2.1									m_e	
OPLO	0.47	281.4	Pg	00:49:46.959	3.6									m_e	
BNS	0.66	147.2	Pg	00:49:47.650	0.8									m_e	
HOBG	0.70	139.5	Pg	00:49:48.750	1.1									m_e	
HGN	0.87	209.7	Pg	00:49:50.907	0.1									m_e	
HGN	0.87	209.7	Sg	00:50:03.187	1.2									m_e	
DREG	0.89	195.7	Pg	00:49:51.231	0.0									m_e	ML 2.4
DREG	0.89	195.7	Sg	00:50:03.511	0.8									m_e	
KLL	0.89	192.3	Pg	00:49:51.830	0.5									m_e	
STB	0.94	171.1	Pg	00:49:53.060	0.9									m_e	
STB	0.94	171.1	Sg	00:50:06.010	1.8							62.8	0.31	m_e	
MEM	0.98	202.9	Pg	00:49:52.831	-0.2									m_e	
MEM	0.98	202.9	Sg	00:50:07.273	1.5									m_e	
HILG	1.23	178.0	Pg	00:49:57.730	0.1									m_e	
KOE	1.30	146.7	Pg	00:49:58.960	-0.1									m_e	
BGG	1.39	160.5	Pg	00:50:00.190	-0.5									m_e	
TNS	1.74	137.5	Pg	00:50:06.633	-0.6									m_e	ML 2.1
WLF	1.88	189.1	Pg	00:50:09.263	-0.6									m_e	ML 2.5
WLF	1.88	189.1	Sg	00:50:32.462	-1.6									m_e	
CLZ	2.35	80.6	Pg	00:50:18.471	-0.4									m_e	ML 2.3
CLZ	2.35	80.6	Sg	00:50:49.576	0.3									m_e	

Event 90127007 Delemont, Solothurn/CH

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/27	07:10:13.70	0.04	0.58	47.2048	7.5501	0.9	0.8	122	10.0	0.6	57	19	029			m i ke	LDG	90127037
2009/01/27	07:10:13.60			47.2000	7.6000				9.0							m i uk	SED	90127027
2009/01/27	07:10:14.28	0.56	0.42	47.2380	7.5450	5.6	3.3	015	10.0f		18	10	219	0.14	3.46	m i ke	BGR	90127017
2009/01/27	07:10:13.90	0.90	0.24	47.2100	7.5700	9.0	4.0	346	5.0f		19	11	222	0.26	2.53	m i ke	LED	90127007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.7	0.1	3 LDG	90127037
ML	2.7	0.3	19 LDG	90127037
ML	2.1		SED	90127027
ML	2.2	0.4	8 BGR	90127017
ML	2.3	0.2	8 LED	90127007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.15	33.9	Pg	07:10:17.146	0.3					---				m_e	ML 2.0
BALST	0.15	33.9	Sg	07:10:19.584	0.7					---				m_e	
BBS	0.26	350.8	P*	07:10:19.020						T_				mdi	
BOURR	0.29	309.0	Pg	07:10:19.619	0.1					---				m_e	ML 1.4
BOURR	0.29	309.0	Sg	07:10:23.718	0.3					---				m_e	
SULZ	0.49	48.9	Pg	07:10:23.430	0.3					---				m_e	ML 1.9
SULZ	0.49	48.9	Sg	07:10:30.215	0.8					---				m_e	
LOMF	0.52	285.9	P*	07:10:23.940						T_				mce	
LOMF	0.52	285.9	S*	07:10:30.410						---				m_	
LOMF	0.52	285.9	SmS	07:10:35.390	-1.4					T_				m_	
MOF	0.71	335.5	P*	07:10:27.290						T_				mdi	
FELD	0.73	23.6	P*	07:10:27.580						T_				mci	
KIZ	0.78	17.3	P*	07:10:28.380						T_				m_	ML 2.4
KIZ	0.78	17.3	PmP	07:10:29.060	-2.3					T_				m_	
KIZ	0.78	17.3	S*	07:10:38.590						T_				m_	
SLE	0.84	47.9	Pg	07:10:29.635	-0.0					---				m_e	ML 2.3
SLE	0.84	47.9	Sg	07:10:40.448	-0.0					---				m_e	
WILA	0.93	76.8	Pg	07:10:32.124	0.7					---				m_e	ML 2.6
WILA	0.93	76.8	Sg	07:10:44.616	1.1					---				m_e	
LIBD	0.94	1.3	P*	07:10:32.270						T_				mci	
LIBD	0.94	1.3	S*	07:10:45.220						---				m_	
LIBD	0.94	1.3	SmS	07:10:48.180	0.5					---				m_	
ECH	1.04	344.8	Pg	07:10:33.700	0.1					T_				m_	ML 1.7
ECH	1.04	344.8	Sg	07:10:47.600	0.5					T_				m_i	
SISB	1.06	62.7	Pn	07:10:34.060	-0.6					T_				m_	ML 2.2
SISB	1.06	62.7	Pg	07:10:34.720	0.9					T_				m_	
SPAK	1.21	42.1	Pg	07:10:36.950	0.2					T_				mdi	
BFO	1.23	24.2	Pn	07:10:35.510	-1.6					T_				m_	ML 2.6
BFO	1.23	24.2	Pg	07:10:36.810	-0.3					T_				m_	
BFO	1.23	24.2	Sg	07:10:52.880	-0.1					T_				m_	
LIENZ	1.31	85.5	Sg	07:10:57.290	1.8					---				m_e	
GUT	1.35	49.8	Pg	07:10:39.360	-0.0					T_				m_	ML 2.3
GUT	1.35	49.8	Sg	07:10:57.070	0.2					T_				m_	
THEF	1.47	314.4	Pg	07:10:41.590	-0.0					---				mci	
DAVA	1.57	86.4	Pg	07:10:44.122	0.6					---				m_e	ML 2.2
DAVA	1.57	86.4	Sg	07:11:05.248	1.4					---				m_e	
BUCH	1.72	43.3	Pg	07:10:46.420	0.0					---				mdi	ML 2.2
BUCH	1.72	43.3	Sg	07:11:08.430	-0.2					---				m_	
UBR	1.78	73.7	Pg	07:10:47.760	0.3					---				mdi	ML 2.2
SIND	2.53	31.6	Sg	07:11:32.830	-1.5					---				m_	ML 2.5
TNS	3.07	10.5	Sg	07:11:51.745	0.4					---				m_e	
GRA1	3.47	42.9	Pg	07:11:18.950	-0.3					---				m_e	ML 3.0
GRA1	3.47	42.9	Sg	07:12:04.040	-0.0					---				m_e	

Event 90127010 Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/27	13:39:13.20	2.08	0.57	49.8730	18.7010	21.1	11.1	053	1.0f		8	7	320	3.19	4.24	m i ki	BGR	90127020

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.2	6 BGR	90127020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	3.19	290.1	Sg	13:40:55.061	0.4					T__				m_e ML	3.0
GEC2	3.41	254.4	Pg	13:40:18.297	0.8					T__				m_e ML	3.4
WET	3.85	261.3	Pg	13:40:25.433	-0.3					T__				m_e ML	3.5
WET	3.85	261.3	Sg	13:41:15.194	-0.3					T__				m_e	
CLL	3.89	293.8	Sg	13:41:16.455	-0.3					T__				m_e ML	3.5
WERN	4.08	278.3	Sg	13:41:22.934	0.2					T__				m_e ML	3.4
GUNZ	4.11	279.3	Sg	13:41:25.194	1.4					T__				m_e ML	3.3
TRIB	4.24	279.0	Sg	13:41:28.412	0.7					T__				m_e	

Event 90127011 Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/01/27	16:53:09.08	1.18	0.41	49.8160	18.6990	10.0	8.9	007	1.0f		12	9	324	3.21	4.14	m i ki	BGR	90127021

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	9 BGR	90127021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	3.21	291.0	Pg	16:54:09.232	-0.4					T__				m_e ML	2.9
BRG	3.21	291.0	Sg	16:54:52.178	1.0					T__				m_e	
GEC2	3.40	255.3	Pg	16:54:13.512	0.4					T__				m_e ML	3.2
GEC2	3.40	255.3	Sg	16:54:57.452	0.4					T__				m_e	
FBE	3.58	290.0	Sg	16:55:02.490	-0.4					T__				m_e ML	2.6
WET	3.84	262.1	Sg	16:55:10.893	-0.2					T__				m_e ML	3.3
TANN	4.04	280.9	Pg	16:54:25.413	0.1					T__				m_e ML	3.3
TANN	4.04	280.9	Sg	16:55:18.032	0.5					T__				m_e	
MULD	4.08	280.8	Pg	16:54:26.270	0.3					T__				m_e ML	2.8
WERN	4.09	279.0	Sg	16:55:19.502	0.6					T__				m_e ML	3.2
GUNZ	4.12	280.1	Pg	16:54:27.247	0.5					T__				m_e ML	3.3
WERD	4.14	281.2	Pg	16:54:27.491	0.3					T__				m_e ML	3.1

Event 90129002 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
2009/01/29	00:44:34.00	0.61	0.31	51.6350	7.6980				1.0f			8	300	0.55	1.49	m i ki	BNS	90129022
2009/01/29	00:44:33.93	0.70	0.32	51.5630	7.7680	14.5	5.6	163	1.0f		6	4	190	0.33	1.64	m i ki	BGR	90129012
2009/01/29	00:44:32.70			51.6490	7.6750				1.0f				184	0.13	0.33	m i ki	BUG	90129002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID

ML	2.0		BNS	90129022
ML	1.9	0.0	2 BGR	90129012
ML	1.7		BUG	90129002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.13	45.9	Pg	00:44:36.800	1.7					T__				m__	ML 1.1
BAHL	0.13	45.9	Sg	00:44:39.600	2.9					T__				m__	
BUG	0.33	230.6	Pg	00:44:39.900	1.0					TA_				mde	ML 1.7
BUG	0.33	230.6	Sg	00:44:45.100	2.0					TA_				m__	
LAUG	0.54	237.1	Pg	00:44:44.550	1.6					---				m_e	
HOBG	0.70	197.9	Pg	00:44:46.660	0.8					---				m_e	
STB	1.18	206.7	Pg	00:44:55.490	0.6					---				m_e	
STB	1.18	206.7	Sg	00:45:12.020	1.9					---		31.9	0.28	m_e	
KOE	1.22	178.3	Pg	00:44:56.450	0.7					---				m_e	
KLL	1.32	221.0	Pg	00:44:57.600	0.1					---				m_e	
DREG	1.34	223.1	Pg	00:44:58.317	0.4					---				m_e	ML 1.9
DREG	1.34	223.1	Sg	00:45:16.129	0.9					---				m_e	
BGG	1.46	188.5	Pg	00:44:60.000	-0.2					---				m_e	
HILG	1.50	205.2	Pg	00:45:00.760	-0.1					---				m_e	
TNS	1.51	160.9	Pg	00:45:00.489	-0.6					---				m_e	
CLZ	1.68	82.4	Pg	00:45:05.101	0.7					---				m_e	

Event 90130010 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
2009/01/30	17:22:09.50	0.36	0.21	51.6900	7.8070				1.0f			6	318	0.77	1.57	m i ki	BNS	90130030
2009/01/30	17:22:10.69	0.44	0.57	51.6180	7.7690	6.7	4.4	153	1.0f		8	5	118	0.36	1.63	m i ki	BGR	90130020
2009/01/30	17:22:09.60			51.6310	7.7170				1.0f							m i ki	BUG	90130010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		BNS	90130030
ML	2.3	0.1	5 BGR	90130020
ML	2.1		BUG	90130010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.34	235.8	Pg	17:22:16.900	0.9					TA_				mde	ML 2.1
BUG	0.34	235.8	Sg	17:22:22.300	2.0					TA_				m__	
IBBN	0.68	2.2	Pg	17:22:23.983	1.6					---				m_e	ML 2.2
IBBN	0.68	2.2	Sg	17:22:33.226	2.2					---				m_e	
HOBG	0.69	200.5	Pg	17:22:24.220	1.6					---				m_e	
STB	1.17	208.3	Pg	17:22:32.380	0.7					---				m_e	
STB	1.17	208.3	Sg	17:22:49.350	2.5					---		42.8	0.36	m_e	
KOE	1.21	179.6	Pg	17:22:32.560	0.2					---				m_e	
KLL	1.32	222.4	Pg	17:22:34.450	-0.1					---				m_e	
DREG	1.34	224.5	Pg	17:22:35.218	0.3					---				m_e	ML 2.4
DREG	1.34	224.5	Sg	17:22:54.278	2.0					---				m_e	
TNS	1.48	161.6	Pg	17:22:37.745	0.2					---				m_e	ML 2.2
TNS	1.48	161.6	Sg	17:22:57.530	0.9					---				m_e	
HILG	1.49	206.4	Pg	17:22:37.320	-0.4					---				m_e	
CLZ	1.66	81.7	Pn	17:22:39.991	1.0					---				m_e	ML 2.2
CLZ	1.66	81.7	Sg	17:23:02.750	0.5					---				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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