

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 902001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/09/02	04:09:34.26	0.40	0.73	51.4430	16.1180	4.4	2.2	020	1.0f		32	17	197	0.61	3.59	m i ki	BGR	902001

Magnitude Err Nsta Author OrigID

ML 3.0 0.3 17 BGR 902001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.61	169.5	Pg	04:09:45.710	-0.0					T__				m_e	ML 2.2
KSP	0.61	169.5	Sg	04:09:54.401	0.8					T__				m_e	
DPC	1.10	173.2	Pg	04:09:54.507	-0.5					T__				m_e	ML 3.0
DPC	1.10	173.2	Sg	04:10:09.306	0.1					T__				m_e	
BRG	1.48	248.2	Pn	04:10:00.821	-0.4					T__				m_e	ML 2.7
BRG	1.48	248.2	Sg	04:10:21.537	0.3					T__				m_e	
FBE	1.81	254.3	Pg	04:10:07.212	-1.1					T__				m_e	ML 2.6
FBE	1.81	254.3	Sg	04:10:31.675	-0.1					T__				m_e	
MORC	1.90	151.0	Pn	04:10:06.444	-0.5					T__				m_e	ML 3.2
MORC	1.90	151.0	Sg	04:10:33.905	-0.6					T__				m_e	
CLL	1.95	267.2	Pn	04:10:06.422	-1.2					T__				m_e	ML 2.8
CLL	1.95	267.2	Sg	04:10:35.642	-0.5					T__				m_e	
OKC	2.06	140.5	Sg	04:10:38.388	-1.2					T__				m_e	ML 2.9
TANN	2.52	247.4	Pn	04:10:15.714	0.3					T__				m_e	ML 3.0
TANN	2.52	247.4	Sg	04:10:54.026	-0.4					T__				m_e	
WERD	2.60	249.0	Sg	04:10:56.513	-0.3					T__				m_e	ML 3.1
OJC	2.63	116.3	Sg	04:10:58.841	1.1					T__				m_e	ML 3.1
MANZ	2.93	241.7	Pn	04:10:21.348	0.5					T__				m_e	ML 3.1
MANZ	2.93	241.7	Sg	04:11:07.273	0.0					T__				m_e	
MOX	2.94	256.0	Pg	04:10:28.869	-0.8					T__				m_e	ML 3.1
MOX	2.94	256.0	Sg	04:11:09.078	1.4					T__				m_e	
ROTZ	2.99	237.5	Pn	04:10:22.123	0.3					T__				m_e	ML 2.9
ROTZ	2.99	237.5	Sg	04:11:09.715	0.3					T__				m_e	
GEC2	3.02	211.7	Pn	04:10:23.797	1.6					T__				m_e	ML 3.0
GEC2	3.02	211.7	Sg	04:11:10.963	0.6					T__				m_e	
WET	3.09	223.3	Pn	04:10:23.642	0.5					T__				m_e	ML 2.9
WET	3.09	223.3	Sg	04:11:12.749	0.2					T__				m_e	
GRA1	3.57	242.5	Pg	04:10:41.899	0.4					T__				m_e	ML 3.4
GRA1	3.57	242.5	Sg	04:11:28.203	0.6					T__				m_e	
CLZ	3.59	278.6	Pn	04:10:30.936	1.1					T__				m_e	ML 3.1
CLZ	3.59	278.6	Pg	04:10:41.864	0.0					T__				m_e	
CLZ	3.59	278.6	Sg	04:11:29.049	0.8					T__				m_e	

Event 902005 Stubaier Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/09/02	18:07:50.99	0.11	0.32	47.1362	11.0632	0.9	0.7	155	12.5	1.2	32	9	041			m i uk	ZAMG	902015
2010/09/02	18:07:52.29	0.48	0.82	47.1180	11.0940	8.9	3.3	005	10.0f		12	8	191	0.40	2.58	m i ke	BGR	902005

(#PRIME)

Magnitude Err Nsta Author OrigID

ML 2.1 0.3 14 ZAMG 902015
 ML 1.7 0.2 5 BGR 902005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.40	68.2	Pg	18:07:59.733	-0.2					T__				m_e	ML 1.4
WTTA	0.40	68.2	Sg	18:08:05.405	0.2					T__				m_e	
DAVA	0.84	282.0	Pg	18:08:07.542	-0.7					T__				m_e	ML 1.6
DAVA	0.84	282.0	Sg	18:08:20.436	1.3					T__				m_e	
RJOB	1.31	61.1	Pg	18:08:18.455	1.5					T__				m_e	
KBA	1.53	90.7	Pg	18:08:20.767	-0.5					T__				m_e	ML 1.5
KBA	1.53	90.7	Sg	18:08:39.943	-1.1					T__				m_e	
BFO	2.22	304.1	Pg	18:08:33.923	-0.2					T__				m_e	ML 1.9
BFO	2.22	304.1	Sg	18:09:02.268	-0.6					T__				m_e	
MOA	2.26	70.0	Sg	18:09:05.037	0.7					T__				m_e	ML 1.8
WET	2.35	29.8	Pn	18:08:30.797	0.8					T__				m_e	
GRA1	2.58	1.8	Sg	18:09:13.417	-0.7					T__				m_e	

Event 903001 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
2010/09/03	01:29:28.80	0.08	0.69	51.6186	7.7498	2.1	1.2	146	1.0f		87	24	056			m i sr	LDG	903041
2010/09/03	01:29:29.40	0.52	0.21	51.6550	7.6550				1.0f			8	306	0.54	1.50	m i ki	BNS	903031
2010/09/03	01:29:28.90	0.40	0.21	51.6350	7.6210				1.0f			10	269			m i ki	GDNRW	903021
2010/09/03	01:29:30.60	0.19	1.00	51.5870	7.7010	3.3	2.2	000	1.0f		33	15	099	0.31	3.32	m i ki	BGR	903011
2010/09/03	01:29:28.60			51.6100	7.7130				1.0f				210	0.14	0.32	m i ki	BUG	903001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.2	28 LDG	903041
ML	2.3		BNS	903031
ML	2.4		GDNRW	903021
ML	2.6	0.2	10 BGR	903011
ML	2.4		BUG	903001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	27.8	Pg	01:29:32.800	1.5					T__				m__	ML 2.0
BAHL	0.14	27.8	Sg	01:29:35.600	2.4					T__				m__	
SORT	0.31	148.2	Pg	01:29:36.401	2.0					___				m_e	
SORT	0.31	148.2	Sg	01:29:41.410	3.1					___		176.6	0.34	m_e	
BUG	0.32	238.7	Pg	01:29:35.700	1.0					TA_				m_e	ML 2.4
BUG	0.32	238.7	Sg	01:29:40.900	2.0					TA_				m__	
ENTS	0.41	207.2	Pg	01:29:37.717	1.3					___				m_e	
ENTS	0.41	207.2	Sg	01:29:43.298	1.5					___				m_e	
HES	0.48	240.1	Pg	01:29:37.630	-0.1					___				m_e	
LAUG	0.54	241.9	Pg	01:29:39.290	0.4					___				m_e	
LAUG	0.54	241.9	Sg	01:29:47.370	1.5					___		153.1	2.16	m_e	
WTSB	0.67	302.6	Pg	01:29:42.400	1.2					___				m_e	
WTSB	0.67	302.6	Sg	01:29:52.698	2.9					___				m_e	
HOBG	0.67	200.9	Pg	01:29:42.770	1.5					___				m_e	
HOBG	0.67	200.9	Sg	01:29:52.600	2.7					___				m_e	
BNS	0.73	207.7	Pg	01:29:43.640	1.3					___				m_e	
BNS	0.73	207.7	Sg	01:29:54.220	2.5					___				m_e	

PLH	0.82	223.0	Pg	01:29:44.732	0.6	---	---	---	m_e	---	---	---
PLH	0.82	223.0	Sg	01:29:55.470	0.7	---	---	222.5	0.30	m_e	---	---
WBS	0.85	198.7	Pg	01:29:45.551	1.0	---	---	---	---	m_e	---	---
WBS	0.85	198.7	Sg	01:29:57.159	1.6	---	---	60.0	0.17	m_e	---	---
JCK	0.99	234.8	Pg	01:29:47.495	0.3	---	---	---	---	m_e	---	---
JCK	0.99	234.8	Sg	01:30:00.344	0.4	---	---	558.6	0.27	m_e	---	---
RODG	1.06	244.7	Pg	01:29:49.490	0.8	---	---	---	---	m_e	---	---
AHRW	1.14	200.8	Pg	01:29:50.910	0.8	---	---	---	---	m_e	ML	2.6
AHRW	1.14	200.8	Sg	01:30:08.234	3.4	---	---	---	---	m_e	---	---
TDN	1.14	205.3	Pg	01:29:50.938	0.8	---	---	---	---	m_e	---	---
TDN	1.14	205.3	Sg	01:30:06.292	1.4	---	---	82.7	0.18	m_e	---	---
OPLO	1.14	270.6	Pg	01:29:52.142	2.0	---	---	---	---	m_e	---	---
OPLO	1.14	270.6	Sg	01:30:07.902	3.0	---	---	---	---	m_e	---	---
STB	1.15	208.7	Pg	01:29:51.130	0.8	---	---	---	---	m_e	---	---
STB	1.15	208.7	Sg	01:30:07.670	2.4	---	---	90.1	0.46	m_e	---	---
GSH	1.21	224.2	Pg	01:29:51.798	0.4	---	---	---	---	m_e	---	---
GSH	1.21	224.2	Sg	01:30:07.867	0.8	---	---	32.8	0.19	m_e	---	---
KLL	1.30	222.9	Pg	01:29:53.100	-0.1	---	---	---	---	m_e	---	---
KLL	1.30	222.9	Sg	01:30:11.030	1.0	---	---	52.6	0.32	m_e	---	---
WIT	1.36	332.4	Pg	01:29:56.827	2.5	---	---	---	---	m_e	---	---
WIT	1.36	332.4	Sg	01:30:15.563	3.7	---	---	---	---	m_e	---	---
HGN	1.40	233.5	Pg	01:29:54.699	-0.3	---	---	---	---	m_e	---	---
HGN	1.40	233.5	Sg	01:30:13.509	0.4	---	---	---	---	m_e	---	---
GTTG	1.40	91.8	Pg	01:29:56.380	1.4	---	---	---	---	m_e	ML	2.8
GTTG	1.40	91.8	Sg	01:30:14.341	1.2	---	---	---	---	m_e	---	---
BGG	1.42	189.7	Pg	01:29:55.240	-0.2	---	---	---	---	m_e	---	---
BGG	1.42	189.7	Sg	01:30:13.990	0.2	---	---	---	---	m_e	---	---
MEM	1.47	227.6	Sg	01:30:15.764	0.6	---	---	---	---	m_e	---	---
HILG	1.47	206.7	Pg	01:29:56.090	-0.2	---	---	---	---	m_e	---	---
HILG	1.47	206.7	Sg	01:30:15.480	0.2	---	---	---	---	m_e	---	---
LOH	1.61	207.9	Pg	01:29:58.085	-0.8	---	---	---	---	m_e	---	---
LOH	1.61	207.9	Sg	01:30:18.420	-1.3	---	---	41.6	0.27	m_e	---	---
UBBA	1.64	118.0	Pg	01:30:00.731	1.3	---	---	---	---	m_e	ML	2.2
UBBA	1.64	118.0	Sg	01:30:21.443	0.8	---	---	---	---	m_e	---	---
CLZ	1.66	81.0	Pn	01:29:59.125	1.0	---	---	---	---	m_e	ML	2.7
CLZ	1.66	81.0	Pg	01:30:01.164	1.2	---	---	---	---	m_e	---	---
CLZ	1.66	81.0	Sg	01:30:24.279	2.8	---	---	---	---	m_e	---	---
ASSE	1.90	72.9	Pn	01:30:03.851	2.5	---	---	---	---	m_e	ML	2.3
ASSE	1.90	72.9	Sg	01:30:32.128	3.2	---	---	---	---	m_e	---	---
MOX	2.63	110.0	Pn	01:30:13.822	2.6	---	---	---	---	m_e	ML	2.6
MOX	2.63	110.0	Pg	01:30:20.657	2.5	---	---	---	---	m_e	---	---
MOX	2.63	110.0	Sg	01:30:54.683	2.5	---	---	---	---	m_e	---	---
GRA1	2.94	129.4	Pn	01:30:17.956	2.6	---	---	---	---	m_e	ML	2.8
GRA1	2.94	129.4	Pg	01:30:26.167	2.2	---	---	---	---	m_e	---	---
GRA1	2.94	129.4	Sg	01:31:06.016	4.1	---	---	---	---	m_e	---	---
TANN	3.22	109.9	Pn	01:30:22.234	3.1	---	---	---	---	m_e	ML	2.8
TANN	3.22	109.9	Pg	01:30:31.873	2.6	---	---	---	---	m_e	---	---
TANN	3.22	109.9	Sg	01:31:13.247	2.4	---	---	---	---	m_e	---	---
CLL	3.31	93.2	Pn	01:30:23.129	2.7	---	---	---	---	m_e	ML	2.8
CLL	3.31	93.2	Pg	01:30:31.809	0.8	---	---	---	---	m_e	---	---

Event	904006 Poland		Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
Date	Time		0.39	0.56	51.5240	16.0790	3.3	2.2	022	1.0f		37	15	224	0.69	3.58	m i k i	BGR	904006

Magnitude	Err	Nsta	Author	OrigID
ML	3.7	0.3	14 BGR	904006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.69	168.8	Pg	15:45:28.121	0.3					T__				m_e	ML 3.0
KSP	0.69	168.8	Sg	15:45:37.768	1.0					T__				m_e	
DPC	1.18	172.5	Pg	15:45:36.854	-0.2					T__				m_e	ML 3.8
DPC	1.18	172.5	Sg	15:45:52.490	0.2					T__				m_e	
BRG	1.49	244.9	Pn	15:45:41.045	-0.8					T__				m_e	ML 3.6
BRG	1.49	244.9	Pg	15:45:42.308	-0.5					T__				m_e	
BRG	1.49	244.9	Sg	15:46:02.943	0.9					T__				m_e	
FBE	1.81	251.6	Pn	15:45:45.751	-0.5					T__				m_e	ML 3.3
FBE	1.81	251.6	Pg	15:45:48.599	-0.2					T__				m_e	
FBE	1.81	251.6	Sg	15:46:12.754	0.5					T__				m_e	
CLL	1.93	264.8	Pn	15:45:47.161	-0.7					T__				m_e	ML 3.4
CLL	1.93	264.8	Pg	15:45:50.869	-0.2					T__				m_e	
CLL	1.93	264.8	Sg	15:46:16.100	0.0					T__				m_e	
MORC	1.98	151.5	Pn	15:45:48.394	-0.1					T__				m_e	ML 3.9
MORC	1.98	151.5	Sg	15:46:17.138	-0.4					T__				m_e	
OKC	2.14	141.3	Pn	15:45:50.014	-0.6					T__				m_e	ML 3.7
OKC	2.14	141.3	Pg	15:45:54.799	-0.2					T__				m_e	
OKC	2.14	141.3	Sg	15:46:22.675	0.1					T__				m_e	
TANN	2.53	245.5	Sg	15:46:35.396	0.2					T__				m_e	ML 3.7
WERD	2.61	247.1	Pn	15:45:57.148	0.1					T__				m_e	ML 3.6
WERD	2.61	247.1	Pg	15:46:03.267	-0.6					T__				m_e	
WERD	2.61	247.1	Sg	15:46:37.808	0.3					T__				m_e	
MOX	2.94	254.3	Pn	15:46:01.443	-0.1					T__				m_e	ML 4.0
MOX	2.94	254.3	Pg	15:46:10.174	0.1					T__				m_e	
MOX	2.94	254.3	Sg	15:46:47.684	-0.4					T__				m_e	
MANZ	2.94	240.1	Pn	15:46:02.031	0.4					T__				m_e	ML 3.8
MANZ	2.94	240.1	Pg	15:46:10.934	0.7					T__				m_e	
MANZ	2.94	240.1	Sg	15:46:48.403	0.1					T__				m_e	
GEC2	3.08	210.5	Pn	15:46:03.968	0.5					T__				m_e	ML 3.8
GEC2	3.08	210.5	Pg	15:46:12.406	-0.4					T__				m_e	
GEC2	3.08	210.5	Sg	15:46:51.461	-1.1					T__				m_e	
WET	3.14	221.9	Pn	15:46:05.141	1.0					T__				m_e	ML 3.7
WET	3.14	221.9	Sg	15:46:54.510	0.2					T__				m_e	
CLZ	3.55	277.4	Pn	15:46:10.580	0.8					T__				m_e	
CLZ	3.55	277.4	Pg	15:46:21.847	0.2					T__				m_e	
GRA1	3.58	241.2	Pn	15:46:11.187	0.9					T__				m_e	ML 4.3
GRA1	3.58	241.2	Sg	15:47:09.342	0.7					T__				m_e	

Event	905003 SE of Budejovice/CR, Czech-Austrian border region		Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
Date	Time		0.09	0.48	48.6984	14.9927	2.9	1.7	174	2.0	0.0	52	15	081			m i k e	LDG	905023
2010/09/05	10:24:50.91		0.16	0.28	48.6170	14.9533	1.2	1.0	065	6.5	1.2	21	7	063			m i f e	ZAMG	905013
2010/09/05	10:24:51.45		0.21	0.76	48.6350	14.9270	2.2	2.2	141	10.0f		35	20	098	0.83	4.38	m i k e	BGR	905003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.2	17 LDG	905023
ML	2.9	0.1	8 ZAMG	905013
ML	2.9	0.4	19 BGR	905003

Effects	Loctyp	Location	Intensity	Scale	Author
		Summar	5.0	EMS	ZAMG

(There are reports of objects, which toppled down, and a fissure in the plastering.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GEC2	0.83	285.0	Pg	10:25:07.674	0.4					T__				m_e	ML	2.6
GEC2	0.83	285.0	Sg	10:25:18.970	0.8					T__				m_e		
MOA	0.90	209.5	Pg	10:25:08.547	0.0					T__				m_e	ML	2.4
MOA	0.90	209.5	Sg	10:25:20.861	0.7					T__				m_e		
KHC	1.02	299.7	Pg	10:25:11.178	0.5					T__				m_e	ML	2.1
KHC	1.02	299.7	Sg	10:25:24.390	0.5					T__				m_e		
KRUC	1.06	65.6	Pg	10:25:11.605	0.2					T__				m_e	ML	2.4
KRUC	1.06	65.6	Sg	10:25:25.998	0.9					T__				m_e		
VRAC	1.28	57.8	Pg	10:25:16.106	0.4					T__				m_e	ML	2.7
VRAC	1.28	57.8	Sg	10:25:33.114	0.8					T__				m_e		
PRU	1.38	349.6	Pg	10:25:18.133	0.7					T__				m_e	ML	2.5
PRU	1.38	349.6	Sg	10:25:36.502	1.2					T__				m_e		
WET	1.44	291.5	Pn	10:25:16.166	-0.7					T__				m_e	ML	2.7
WET	1.44	291.5	Pg	10:25:19.032	0.4					T__				m_e		
WET	1.44	291.5	Sg	10:25:37.841	0.6					T__				m_e		
ARSA	1.44	163.7	Pg	10:25:18.042	-0.6					T__				m_e	ML	2.7
ARSA	1.44	163.7	Sg	10:25:37.879	0.6					T__				m_e		
RJOB	1.68	238.5	Pg	10:25:23.178	0.0					T__				m_e	ML	2.8
RJOB	1.68	238.5	Sg	10:25:46.231	1.3					T__				m_e		
KBA	1.88	214.9	Pg	10:25:25.680	-1.3					T__				m_e	ML	2.7
KBA	1.88	214.9	Sg	10:25:50.581	-0.8					T__				m_e		
DPC	1.94	27.3	Pg	10:25:27.854	-0.2					T__				m_e	ML	3.4
DPC	1.94	27.3	Sg	10:25:52.971	-0.2					T__				m_e		
OBKA	2.14	187.0	Pg	10:25:31.408	-0.4					T__				m_e		
TANN	2.39	319.0	Sg	10:26:07.096	-0.4					T__				m_e	ML	3.1
FUR	2.47	260.4	Sg	10:26:11.262	1.3					T__				m_e	ML	3.2
GRA1	2.64	295.0	Pg	10:25:40.618	-0.7					T__				m_e	ML	3.1
GRA1	2.64	295.0	Sg	10:26:14.395	-1.1					T__				m_e		
MOX	2.94	314.4	Pg	10:25:46.157	-0.7					T__				m_e	ML	3.2
MOX	2.94	314.4	Sg	10:26:23.697	-1.2					T__				m_e		
CLL	2.95	335.9	Sg	10:26:25.552	0.5					T__				m_e	ML	3.3
DAVA	3.64	250.1	Pg	10:25:59.427	-0.6					T__				m_e	ML	3.1
DAVA	3.64	250.1	Sg	10:26:47.064	0.0					T__				m_e		
STU	3.79	274.2	Sg	10:26:52.096	0.4					T__				m_e	ML	3.7
BFO	4.38	268.5	Sg	10:27:11.338	0.6					T__				m_e	ML	3.1

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
907010 Hamm/Westfalen, Ruhr Coal Mining District	2010/09/07	18:51:15.90	0.94	0.41	51.6630	7.6900				1.0f			6	307	0.56	1.51	m i ki	BNS	907040

2010/09/07 18:51:16.00	0.35	0.11	51.6050	7.6460					1.0f		9 263			m i k i GDNRW	907030
2010/09/07 18:51:16.66	0.25	0.77	51.5610	7.7000	3.3	3.3	133		1.0f	20	9 081	0.29	2.14	m i k i BGR	907020
2010/09/07 18:51:15.60			51.6220	7.7150					1.0f					m i k i BUG	907010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BNS	907040
ML	2.1		GDNRW	907030
ML	2.3	0.1	6 BGR	907020
ML	1.8		BUG	907010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.13	29.7	Pg	18:51:19.200	1.1					T__				m__	ML	1.8
BAHL	0.13	29.7	Sg	18:51:22.400	2.6					T__				m__		
SORT	0.32	149.5	Pg	18:51:22.776	1.2					---				m_e		
SORT	0.32	149.5	Sg	18:51:27.593	2.0					---		101.1	0.29	m_e		
BUG	0.33	237.0	Pg	18:51:22.169	0.3					---				m_e	ML	2.2
BUG	0.33	237.0	Sg	18:51:27.187	1.1					---				m_e		
ENTS	0.43	206.6	Pg	18:51:24.145	0.5					---				m_e		
ENTS	0.43	206.6	Sg	18:51:29.721	0.6					---				m_e		
HES	0.49	238.9	Sg	18:51:31.230	0.0					---				m_e		
LAUG	0.55	240.9	Pg	18:51:26.110	0.1					---				m_e		
LAUG	0.55	240.9	Sg	18:51:34.180	1.1					---				m_e		
WTSB	0.66	301.6	Pg	18:51:28.859	0.8					---				m_e		
WTSB	0.66	301.6	Sg	18:51:39.087	2.4					---				m_e		
HOBG	0.68	200.6	Pg	18:51:29.140	0.7					---				m_e		
HOBG	0.68	200.6	Sg	18:51:39.820	2.6					---				m_e		
IBBN	0.68	2.3	Pg	18:51:29.981	1.5					---				m_e	ML	2.3
IBBN	0.68	2.3	Sg	18:51:40.088	2.7					---				m_e		
PLH	0.83	222.5	Sg	18:51:42.030	-0.1					---		130.1	0.29	m_e		
WBS	0.86	198.5	Sg	18:51:43.454	0.5					---		35.9	0.19	m_e		
JCK	0.99	234.3	Sg	18:51:47.345	0.2					---		628.0	0.17	m_e		
RODG	1.07	244.1	Pg	18:51:36.540	0.8					---				m_e		
RODG	1.07	244.1	Sg	18:51:51.590	2.0					---				m_e		
OPLO	1.14	270.0	Pg	18:51:38.733	1.6					---				m_e		
OPLO	1.14	270.0	Sg	18:51:53.546	1.6					---				m_e		
AHRW	1.15	200.6	Pg	18:51:38.289	1.0					---				m_e	ML	2.3
AHRW	1.15	200.6	Sg	18:51:52.258	0.0					---				m_e		
TDN	1.15	205.1	Pg	18:51:37.652	0.3					---				m_e		
TDN	1.15	205.1	Sg	18:51:52.815	0.6					---		39.2	0.15	m_e		
STB	1.17	208.5	Pg	18:51:37.800	0.2					---				m_e		
STB	1.17	208.5	Sg	18:51:54.280	1.7					---		52.9	0.44	m_e		
GSH	1.22	223.9	Sg	18:51:54.444	0.1					---		20.1	0.21	m_e		
OLFT	1.39	216.3	Pg	18:51:41.540	-0.3					---				m_e		
OLFT	1.39	216.3	Sg	18:51:59.361	-0.4					---				m_e		
HGN	1.41	233.2	Pg	18:51:41.061	-1.1					---				m_e		
HGN	1.41	233.2	Sg	18:52:00.264	-0.1					---				m_e		
BGG	1.44	189.7	Pg	18:51:42.260	-0.4					---				m_e		
TNS	1.47	161.5	Pn	18:51:42.774	0.2					---				m_e	ML	2.2
TNS	1.47	161.5	Pg	18:51:43.583	0.2					---				m_e		
TNS	1.47	161.5	Sg	18:52:01.829	-0.6					---				m_e		
HILG	1.48	206.5	Pg	18:51:42.590	-0.9					---				m_e		
CLZ	1.66	81.4	Pn	18:51:46.872	1.8					---				m_e	ML	2.5
CLZ	1.66	81.4	Pg	18:51:48.552	1.7					---				m_e		

CLZ	1.66	81.4	Sg	18:52:10.606	2.3	---	m_e											
WLF	2.19	207.5	Pg	18:51:56.366	-0.6	---	m_e	ML	2.4									
WLF	2.19	207.5	Sg	18:52:22.643	-2.7	---	m_e											

Event 910004 Poland																		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/09/10	22:38:07.06	1.29	0.47	50.2640	18.8980	11.1	7.8	040	1.0f		12	9	321	3.21	4.36	m i ki	BGR	910014

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.1	9 BGR	910014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	3.21	282.9	Pg	22:39:08.380	0.9					T__	1.3			m_e ML	2.7
BRG	3.21	282.9	Sg	22:39:48.872	-0.0					T__	2.1			m_e	
FBE	3.58	282.7	Sg	22:40:01.339	0.6					T__	4.1			m_e ML	2.9
GEC2	3.66	249.2	Pg	22:39:15.614	-0.4					T__	2.0			m_e ML	3.1
GEC2	3.66	249.2	Sg	22:40:04.020	0.8					T__	5.1			m_e	
CLL	3.87	287.9	Sg	22:40:10.258	0.3					T__	2.6			m_e ML	3.2
WET	4.05	256.3	Pn	22:39:08.659	-0.3					T__	1.1			m_e ML	3.1
WET	4.05	256.3	Sg	22:40:15.861	0.1					T__	2.7			m_e	
TANN	4.11	274.6	Sg	22:40:17.203	-0.4					T__	3.2			m_e ML	3.0
WERN	4.17	272.8	Sg	22:40:20.518	1.1					T__	2.5			m_e ML	3.1
WERD	4.21	275.0	Sg	22:40:20.913	0.2					T__	2.1			m_e ML	3.1
MANZ	4.36	269.0	Sg	22:40:26.098	0.5					T__	2.7			m_e ML	3.1

Event 913006 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	
2010/09/13	08:49:06.70	0.73	0.31	51.6510	7.6540				1.0f					5	317	0.70	1.31 m i ki	BNS	913036
2010/09/13	08:49:05.80	0.50	0.21	51.6330	7.6720				1.0f					3	304		m i ki	GDNRW	913026
2010/09/13	08:49:07.37	0.33	0.67	51.6080	7.7020	4.4	3.3	131	1.0f		10	5	120	0.32	1.67	m i ki	BGR	913016	
2010/09/13	08:49:05.40			51.6100	7.7040				1.0f					208	0.15	0.32	m i ki	BUG	913006
(#PRIME)																			

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	913036
ML	1.6		GDNRW	913026
ML	2.0	0.1	5 BGR	913016
ML	1.8		BUG	913006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.15	29.7	Pg	08:49:09.500	1.3					T__				m__ ML	1.6
BAHL	0.15	29.7	Sg	08:49:12.700	2.6					T__				m__	
SORT	0.31	147.3	Pg	08:49:13.044	1.8					---				m_e	
SORT	0.31	147.3	Sg	08:49:17.819	2.6					---		55.8	0.29	m_e	
BUG	0.32	238.1	Pg	08:49:12.400	1.0					TA_				m_e ML	1.8
BUG	0.32	238.1	Sg	08:49:17.500	2.0					TA_				m__	
ENTS	0.41	206.5	Pg	08:49:14.304	1.1					---				m_e	
ENTS	0.41	206.5	Sg	08:49:20.233	1.8					---				m_e	

WTSB	0.66	302.8	Pg	08:49:19.824	1.9	---	m_e	ML	1.8
WTSB	0.66	302.8	Sg	08:49:28.545	2.1	---	m_e		
HOBG	0.67	200.4	Pg	08:49:20.270	2.3	---	m_e		
IBBN	0.70	2.8	Pg	08:49:20.291	1.8	---	m_e	ML	2.0
IBBN	0.70	2.8	Sg	08:49:30.580	3.0	---	m_e		
BNS	0.73	207.3	Pg	08:49:21.380	2.3	---	m_e		
WBS	0.85	198.3	Pg	08:49:22.908	1.6	---	m_e		
WBS	0.85	198.3	Sg	08:49:34.517	2.2	---	18.6	0.20	m_e
AHRW	1.14	200.5	Pg	08:49:28.637	1.8	---	m_e	ML	2.1
AHRW	1.14	200.5	Sg	08:49:44.717	3.1	---	m_e		
STB	1.15	208.4	Pg	08:49:27.920	0.8	---	m_e		
STB	1.15	208.4	Sg	08:49:44.340	2.3	---	33.1	0.64	m_e
KOE	1.18	179.1	Pg	08:49:29.110	1.4	---	m_e		
KLL	1.30	222.8	Pg	08:49:30.560	0.6	---	m_e		
CLZ	1.67	81.0	Pg	08:49:37.951	1.1	---	m_e	ML	2.1
CLZ	1.67	81.0	Sg	08:50:01.036	2.6	---	m_e		

Event 913007 Murau/A, Mur Valley

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/09/13	18:46:48.51	0.17	0.59	47.1456	14.1276	1.3	1.2	146	5.7	6.0	33	11	043			m i f e	ZAMG	913017
2010/09/13	18:46:49.05	0.32	1.29	47.1880	14.2130	5.6	4.4	063	5.0f		17	11	099	0.60	3.43	m i k e	BGR	913007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.2	12 ZAMG	913017
ML	2.6	0.3	9 BGR	913007

Effects Loctyp Location Intensity Scale Author
Summar 4.0- 5.0 EMS ZAMG

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.60	259.8	Pg	18:46:59.099	-1.3					T__				m_e	ML 2.2
KBA	0.60	259.8	Sg	18:47:05.877	-2.3					T__				m_e	
MOA	0.66	3.1	Pg	18:47:01.778	0.2					T__				m_e	
OBKA	0.72	161.2	Pg	18:47:01.999	-0.6					T__				m_e	ML 2.3
OBKA	0.72	161.2	Sg	18:47:12.348	0.5					T__				m_e	
ARSA	0.89	85.5	Pg	18:47:07.327	1.4					T__				m_e	
RJOB	1.10	300.3	Pg	18:47:10.529	0.7					T__				m_e	ML 2.6
RJOB	1.10	300.3	Sg	18:47:27.259	3.1					T__				m_e	
GEC2	1.69	348.5	Pg	18:47:20.359	-0.6					T__				m_e	ML 2.5
GEC2	1.69	348.5	Sg	18:47:42.881	0.1					T__				m_e	
WTTA	1.75	273.4	Pg	18:47:22.278	0.2					T__				m_e	ML 2.4
WTTA	1.75	273.4	Sg	18:47:47.160	2.5					T__				m_e	
WET	2.15	336.0	Pg	18:47:28.195	-1.4					T__				m_e	ML 2.4
WET	2.15	336.0	Sg	18:47:57.190	-0.1					T__				m_e	
DAVA	2.94	273.5	Sg	18:48:22.847	0.3					T__				m_e	ML 2.7
GRA1	3.19	322.7	Sg	18:48:29.693	-0.8					T__				m_e	ML 3.1
TANN	3.43	341.0	Sg	18:48:37.279	-0.6					T__				m_e	ML 2.9

Event 914001 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
2010/09/14	00:49:46.00	0.58	0.21	51.6400	7.7530				1.0	8.8		6	300	0.58	1.34	m i ki	BNS	914031
2010/09/14	00:49:45.10	0.27	0.01	51.6650	7.6690				1.0f			4	325			m i ki	GDNRW	914021
2010/09/14	00:49:47.09	0.32	0.63	51.6120	7.6860	5.6	3.3	110	1.0f		11	7	127	0.31	1.68	m i ki	BGR	914011
2010/09/14	00:49:44.90			51.6200	7.7090				1.0f				206	0.14	0.33	m i ki	BUG	914001

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	914031
ML	1.6		GDNRW	914021
ML	2.0	0.1	3 BGR	914011
ML	1.8		BUG	914001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	30.6	Pg	00:49:49.100	1.6					T__				m__	ML 1.4
BAHL	0.14	30.6	Sg	00:49:52.000	2.8					T__				m__	
BUG	0.33	236.9	Pg	00:49:52.100	1.0					TA__				m_e	ML 1.8
BUG	0.33	236.9	Sg	00:49:57.300	2.0					TA__				m__	
LAUG	0.55	240.8	Pg	00:49:57.180	2.0					___				m_e	
HOBG	0.68	200.4	Pg	00:49:59.150	1.5					___				m_e	
IBBN	0.69	2.6	Pg	00:49:59.864	2.0					___	3.6			m_e	
IBBN	0.69	2.6	Sg	00:50:10.106	3.4					___	2.4			m_e	
BNS	0.74	207.2	Pg	00:50:00.860	2.1					___				m_e	
WBS	0.86	198.3	Sg	00:50:14.554	2.4					___		18.2	0.15	m_e	
JCK	0.99	234.3	Sg	00:50:17.842	1.5					___				m_e	
AHRW	1.15	200.5	Pg	00:50:08.180	1.6					___	4.7			m_e	ML 2.0
AHRW	1.15	200.5	Sg	00:50:24.453	3.0					___	4.0			m_e	
STB	1.16	208.3	Pg	00:50:07.980	1.2					___				m_e	
STB	1.16	208.3	Sg	00:50:24.400	2.6					___		26.8	0.50	m_e	
KOE	1.19	179.3	Pg	00:50:08.620	1.2					___				m_e	
KLL	1.31	222.6	Pg	00:50:10.070	0.5					___				m_e	
OLFT	1.39	216.2	Pg	00:50:11.418	0.4					___				m_e	
OLFT	1.39	216.2	Sg	00:50:29.918	0.9					___				m_e	
GTTG	1.40	92.2	Pg	00:50:13.215	1.9					___	2.1			m_e	
TNS	1.47	161.3	Pn	00:50:13.306	1.5					___	2.0			m_e	ML 2.0
TNS	1.47	161.3	Sg	00:50:34.011	2.3					___	2.8			m_e	
UBBA	1.64	118.3	Pg	00:50:18.795	2.9					___	1.4			m_e	
CLZ	1.66	81.3	Pn	00:50:16.986	2.6					___	2.2			m_e	

Event 915008 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
2010/09/15	21:11:55.90	0.65	0.31	51.6880	7.6130				1.0f			7	305	0.54	1.49	m i ki	BNS	915038
2010/09/15	21:11:56.30	0.36	0.11	51.6060	7.6550				1.0f			5	268			m i ki	GDNRW	915028
2010/09/15	21:11:56.23	0.78	0.48	51.6400	7.7380	11.1	5.6	157	1.0f		7	4	206	0.35	1.64	m i ki	BGR	915018
2010/09/15	21:11:55.40			51.6320	7.6840				1.0f				194	0.14	0.32	m i ki	BUG	915008

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BNS	915038

ML	2.0		GDNRW	915028
ML	2.1	0.1	3 BGR	915018
ML	1.9		BUG	915008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	38.9	Pg	21:11:59.500	1.5					T__				m__	ML 1.5
BAHL	0.14	38.9	Sg	21:12:02.500	2.8					T__				m__	
BUG	0.32	233.6	Pg	21:12:02.500	1.0					TA_				m_e	ML 1.9
BUG	0.32	233.6	Sg	21:12:07.600	2.0					TA_				m__	
SORT	0.33	147.5	Pg	21:12:03.102	1.4					---				m_e	
SORT	0.33	147.5	Sg	21:12:07.908	1.9					---		58.2	0.12	m_e	
ENTS	0.43	203.7	Pg	21:12:04.474	1.0					---				m_e	
ENTS	0.43	203.7	Sg	21:12:10.185	1.2					---				m_e	
LAUG	0.54	238.9	Pg	21:12:05.970	0.4					---				m_e	
HOBG	0.68	198.8	Pg	21:12:09.430	1.1					---				m_e	
BNS	0.74	205.6	Pg	21:12:10.850	1.5					---				m_e	
WBS	0.86	197.1	Sg	21:12:23.754	0.9					---		22.6	0.15	m_e	
JCK	0.98	233.2	Pg	21:12:14.652	0.7					---				m_e	
JCK	0.98	233.2	Sg	21:12:27.773	1.1					---		194.2	0.24	m_e	
AHRW	1.16	199.5	Pg	21:12:18.407	1.2					---	5.0			m_e	ML 2.1
AHRW	1.16	199.5	Sg	21:12:34.475	2.4					---	7.4			m_e	
STB	1.17	207.4	Pg	21:12:18.550	1.2					---				m_e	
STB	1.17	207.4	Sg	21:12:34.500	2.1					---		40.6	0.38	m_e	
KOE	1.21	178.6	Pg	21:12:19.000	0.9					---				m_e	
KLL	1.31	221.7	Pg	21:12:20.320	0.3					---				m_e	
OLFT	1.39	215.4	Sg	21:12:40.002	0.5					---				m_e	
BGG	1.44	188.9	Pg	21:12:21.830	-0.8					---				m_e	
TNS	1.49	160.9	Pg	21:12:23.816	0.3					---	5.2			m_e	ML 2.1
TNS	1.49	160.9	Sn	21:12:41.875	0.1					---	3.4			m_e	
CLZ	1.68	81.8	Pg	21:12:27.825	0.8					---	5.5			m_e	

Event 917001 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	
2010/09/17	02:31:49.80	0.75	0.31	51.6820	7.6700				1.0f			7	298	0.56	1.34	m i ki	BNS	917031	
2010/09/17	02:31:50.40	0.25	0.11	51.6070	7.6600				1.0f			4	287			m i ki	GDNRW	917021	
2010/09/17	02:31:50.63	0.43	0.76	51.6310	7.7070	8.9	4.4	136	1.0f		10	7	128	0.33	1.66	m i ki	BGR	917011	
2010/09/17	02:31:49.60			51.6200	7.6970				1.0f					202	0.14	0.32	m i ki	BUG	917001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	917031
ML	1.6		GDNRW	917021
ML	2.2	0.1	5 BGR	917011
ML	2.0		BUG	917001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	33.3	Pg	02:31:53.600	1.4					T__				m__	ML 1.7
BAHL	0.14	33.3	Sg	02:31:56.500	2.4					T__				m__	
SORT	0.32	147.6	Pg	02:31:57.167	1.5					---				m_e	
SORT	0.32	147.6	Sg	02:32:01.847	2.1					---		66.5	0.34	m_e	
BUG	0.32	236.2	Pg	02:31:56.600	0.9					TA_				m_e	ML 2.0

Station	Mag	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.32	236.2	Sg		02:32:01.700	1.9					TA_				m_	
ENTS	0.42	205.3	Pg		02:31:58.516	1.0					---				m_e	
ENTS	0.42	205.3	Sg		02:32:04.206	1.3					---				m_e	
LAUG	0.54	240.5	Pg		02:32:00.060	0.3					---				m_e	
LAUG	0.54	240.5	Sg		02:32:08.440	1.7					---				m_e	
HOBG	0.68	199.8	Pg		02:32:03.650	1.3					---				m_e	
HOBG	0.68	199.8	Sg		02:32:14.230	3.2					---				m_e	
IBBN	0.69	3.2	Pg		02:32:04.419	1.9					---				m_e ML	2.1
BNS	0.73	206.6	Pg		02:32:04.350	0.9					---				m_e	
BNS	0.73	206.6	Sg		02:32:15.420	2.5					---				m_e	
WBS	0.85	197.8	Sg		02:32:18.172	1.4					---	30.6	0.16		m_e	
RODG	1.06	243.9	Pg		02:32:10.130	0.6					---				m_e	
RODG	1.06	243.9	Sg		02:32:25.260	2.0					---				m_e	
AHRW	1.15	200.1	Pg		02:32:12.733	1.5					---				m_e ML	2.2
AHRW	1.15	200.1	Sg		02:32:28.959	2.9					---				m_e	
STB	1.16	208.0	Pg		02:32:12.130	0.7					---				m_e	
STB	1.16	208.0	Sg		02:32:29.090	2.7					---	38.0	0.67		m_e	
KOE	1.19	178.9	Pg		02:32:13.230	1.1					---				m_e	
KOE	1.19	178.9	Sg		02:32:29.690	2.1					---				m_e	
KLL	1.31	222.3	Pg		02:32:14.530	0.3					---				m_e	
KLL	1.31	222.3	Sg		02:32:31.690	0.6					---	20.1	0.34		m_e	
OLFT	1.38	216.0	Pg		02:32:15.796	0.1					---				m_e	
OLFT	1.38	216.0	Sg		02:32:33.826	0.3					---				m_e	
HGN	1.40	233.0	Pn		02:32:15.612	0.1					---				m_e	
HGN	1.40	233.0	Sg		02:32:35.302	1.3					---				m_e	
MEM	1.47	227.1	Sg		02:32:36.946	0.8					---				m_e	
TNS	1.48	161.0	Pn		02:32:17.215	0.7					---				m_e ML	2.2
CLZ	1.67	81.3	Pg		02:32:21.667	0.6					---				m_e ML	2.3

Event 918005 Poland
Date 2010/09/18 Time 12:23:00.81 Err 0.60 RMS 0.70 Latitude 51.4160 Longitude 16.1670 Smaj 7.8 Smin 3.3 Az 027 Depth 1.0f
Err Ndef Nsta Gap mdist Mdist Qual Author OrigID
20 13 243 0.58 3.09 m i ki BGR 918015

Magnitude Err Nsta Author OrigID
ML 3.2 0.3 15 BGR 918015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.58	172.1	Pg	12:23:11.282	-0.4					T_				m_e ML	2.4
KSP	0.58	172.1	Sg	12:23:19.495	0.3					T_				m_e	
DPC	1.07	174.7	Pg	12:23:20.115	-0.9					T_				m_e ML	3.2
DPC	1.07	174.7	Sg	12:23:35.529	0.7					T_				m_e	
BRG	1.50	249.6	Pn	12:23:27.463	-0.6					T_				m_e ML	3.1
BRG	1.50	249.6	Sg	12:23:49.098	0.7					T_				m_e	
FBE	1.83	255.4	Pn	12:23:34.209	1.6					T_				m_e ML	3.1
FBE	1.83	255.4	Sg	12:23:58.719	-0.3					T_				m_e	
MORC	1.86	151.4	Pn	12:23:32.141	-0.8					T_				m_e ML	3.3
MORC	1.86	151.4	Sg	12:23:59.478	-0.3					T_				m_e	
CLL	1.98	268.1	Pn	12:23:33.507	-1.1					T_				m_e ML	3.1
OKC	2.02	140.7	Sg	12:24:02.976	-1.9					---				m_e ML	2.9
TANN	2.54	248.2	Pn	12:23:42.220	-0.0					T_				m_e ML	3.4
TANN	2.54	248.2	Sg	12:24:21.290	-0.3					T_				m_e	

OJC	2.59	116.1	Sg	12:24:23.106	0.1	---	m_e	ML	3.3
WERD	2.62	249.8	Sg	12:24:22.907	-1.1	T_	m_e	ML	3.3
MANZ	2.94	242.5	Pn	12:23:48.515	0.9	T_	m_e	ML	3.5
MOX	2.96	256.7	Pn	12:23:47.953	0.0	T_	m_e	ML	3.6
MOX	2.96	256.7	Sg	12:24:35.307	0.3	T_	m_e		
ROTZ	3.01	238.3	Pn	12:23:48.624	0.1	T_	m_e	ML	3.3
GEC2	3.02	212.5	Pn	12:23:49.498	0.8	T_	m_e	ML	3.4
WET	3.09	224.0	Pn	12:23:49.945	0.2	T_	m_e	ML	3.3

Event 919006 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
2010/09/19	12:46:25.70	0.61	0.31	51.6350	7.6690				1.0f			5	300	0.53	1.30	m i ki	BNS	919036
2010/09/19	12:46:25.40	0.23	0.01	51.6130	7.6530				1.0f			5	269			m i ki	GDNRW	919026
2010/09/19	12:46:25.88	0.31	0.94	51.5840	7.7270	4.4	3.3	154	1.0f	15	8	081	0.32	1.66	m i ki	BGR	919016	
2010/09/19	12:46:24.50			51.6270	7.7070				1.0f			203	0.13	0.33	m i ki	BUG	919006	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	919036
ML	2.0		GDNRW	919026
ML	2.1	0.1	5 BGR	919016
ML	2.0		BUG	919006

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		3.0	EMS	BNS

(Felt in Boenen)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.13	32.7	Pg	12:46:28.700	1.7					T_				m_e	ML	1.6
BAHL	0.13	32.7	Sg	12:46:31.800	3.1					T_				m_e		
SORT	0.32	149.2	Pg	12:46:32.341	1.8									m_e		
SORT	0.32	149.2	Sg	12:46:37.205	2.5							52.7	0.22	m_e		
BUG	0.33	235.8	Pg	12:46:31.700	1.0					TA_				m_e	ML	2.0
BUG	0.33	235.8	Sg	12:46:37.000	2.0					TA_				m_e		
ENTS	0.43	205.7	Pg	12:46:33.713	1.2									m_e		
ENTS	0.43	205.7	Sg	12:46:39.407	1.3									m_e		
LAUG	0.55	240.1	Pg	12:46:35.720	0.9									m_e		
LAUG	0.55	240.1	Sg	12:46:43.720	1.8									m_e		
WTSB	0.66	301.5	Pg	12:46:39.013	2.1									m_e		
WTSB	0.66	301.5	Sg	12:46:48.621	3.3									m_e		
IBBN	0.68	2.7	Pg	12:46:39.426	2.1									m_e	ML	2.1
HOBG	0.68	200.1	Pg	12:46:38.590	1.2									m_e		
HOBG	0.68	200.1	Sg	12:46:48.010	1.8									m_e		
WBS	0.86	198.1	Sg	12:46:53.313	1.4							26.3	0.19	m_e		
JCK	0.99	233.9	Sg	12:46:56.957	0.9							514.3	0.16	m_e		
AHRW	1.16	200.3	Pg	12:46:47.561	1.3									m_e	ML	2.1
AHRW	1.16	200.3	Sg	12:47:03.717	2.5									m_e		
STB	1.17	208.1	Pg	12:46:47.270	0.8									m_e		
STB	1.17	208.1	Sg	12:47:03.630	2.0							46.1	0.40	m_e		
KOE	1.20	179.2	Pg	12:46:48.260	1.1									m_e		
KOE	1.20	179.2	Sg	12:47:04.940	2.3									m_e		

KLL	1.31	222.3	Pg	12:46:49.400	0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e		
KLL	1.31	222.3	Sg	12:47:07.120	0.9	---	---	---	---	---	---	---	---	---	---	---	---	20.2	0.10	m_e	
OLFT	1.39	216.0	Pg	12:46:51.097	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
OLFT	1.39	216.0	Sg	12:47:08.935	0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
HGN	1.41	232.9	Pg	12:46:50.873	-0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
HGN	1.41	232.9	Sg	12:47:09.823	0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
MEM	1.47	227.0	Pg	12:46:52.112	-0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
MEM	1.47	227.0	Sg	12:47:12.077	0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
TNS	1.48	161.3	Pg	12:46:52.228	-0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e ML	2.1
TNS	1.48	161.3	Sg	12:47:11.163	-0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	
CLZ	1.66	81.5	Pg	12:46:56.304	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e ML	2.2
CLZ	1.66	81.5	Sg	12:47:20.065	2.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	

Event 919007 Poland
Date 2010/09/19 Time 19:15:02.80 Err 0.44 RMS 0.57 Latitude 51.4990 Longitude 16.1820 Smaj 5.6 Smin 2.2 Az 022 Depth 1.0f
Err 25 Ndef 17 Nsta 200 Gap 0.66 Mdist 3.63 Qual m i ki Author BGR OrigID 919017

Magnitude 3.1 Err 0.3 Nsta 15 Author BGR OrigID 919017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.66	173.9	Pg	19:15:15.100	-0.1					T_				m_e ML	2.4
KSP	0.66	173.9	Sg	19:15:24.635	0.9					T_				m_e	
DPC	1.15	175.5	Pg	19:15:23.978	-0.5					T_				m_e ML	3.4
DPC	1.15	175.5	Sg	19:15:39.521	0.1					T_				m_e	
BRG	1.54	246.8	Pn	19:15:30.078	-0.5					T_				m_e ML	3.0
BRG	1.54	246.8	Sg	19:15:51.406	-0.2					T_				m_e	
FBE	1.86	253.0	Pn	19:15:36.357	1.4					T_				m_e ML	2.9
FBE	1.86	253.0	Sg	19:16:01.553	-0.4					T_				m_e	
MORC	1.93	152.9	Pn	19:15:35.578	-0.3					T_				m_e ML	3.4
MORC	1.93	152.9	Sg	19:16:03.614	-0.4					T_				m_e	
CLL	1.99	265.7	Pn	19:15:35.519	-1.2					T_				m_e ML	3.0
OKC	2.08	142.4	Pn	19:15:37.093	-0.8					T_				m_e ML	3.0
OKC	2.08	142.4	Sg	19:16:07.866	-0.9					T_				m_e	
TANN	2.58	246.6	Pn	19:15:44.452	-0.3					T_				m_e ML	3.2
TANN	2.58	246.6	Sg	19:16:25.075	0.3					T_				m_e	
OJC	2.62	117.9	Pn	19:15:45.129	-0.1					T_				m_e	
WERD	2.66	248.2	Pn	19:15:45.720	-0.0					T_				m_e ML	3.0
WERD	2.66	248.2	Sg	19:16:26.917	-0.3					T_				m_e	
MANZ	2.99	241.2	Pn	19:15:50.292	0.0					T_				m_e	
MOX	2.99	255.2	Pn	19:15:50.431	0.1					T_				m_e ML	3.3
MOX	2.99	255.2	Sg	19:16:38.471	0.6					T_				m_e	
ROTZ	3.06	237.1	Pn	19:15:51.307	0.1					T_				m_e ML	3.1
GEC2	3.09	211.9	Pn	19:15:52.647	1.0					T_				m_e ML	3.2
WET	3.16	223.1	Pn	19:15:52.543	-0.1					T_				m_e ML	3.0
CLZ	3.62	277.7	Pn	19:15:59.458	0.7					T_				m_e ML	3.1
GRA1	3.63	242.1	Pn	19:15:59.217	0.3					T_				m_e ML	3.6

Event 919008 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	
2010/09/19	19:28:41.20	0.13	0.37	51.6732	7.7398	2.2	1.8	048	1.0f		32	13	295			m i sr	LDG	919048	
2010/09/19	19:28:41.40	0.52	0.21	51.6680	7.6980				1.0f				6	297	0.57	1.34	m i ki	BNS	919038
2010/09/19	19:28:41.80	0.30	0.11	51.6070	7.6670				1.0f				6	269			m i ki	GDNRW	919028
2010/09/19	19:28:41.72	0.41	0.99	51.6070	7.7380	7.8	5.6	131	1.0f	10	7	081	0.34	1.65		m i ki	BGR	919018	
2010/09/19	19:28:40.70			51.6250	7.6950				1.0f				200	0.14	0.32	m i ki	BUG	919008	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.3	3 LDG	919048
ML	2.5	0.3	11 LDG	919048
ML	2.0		BNS	919038
ML	2.1		GDNRW	919028
ML	2.2	0.0	5 BGR	919018
ML	2.0		BUG	919008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.14	34.8	Pg	19:28:44.900	1.6					T__				m__	ML	1.7
BAHL	0.14	34.8	Sg	19:28:47.900	2.8					T__				m__		
BUG	0.32	235.3	Pg	19:28:47.800	1.0					TA__				m_e	ML	2.0
BUG	0.32	235.3	Sg	19:28:53.000	2.0					TA__				m__		
SORT	0.32	147.9	Pg	19:28:48.465	1.6					___				m_e		
SORT	0.32	147.9	Sg	19:28:53.282	2.3					___		84.9	0.30	m_e		
ENTS	0.42	204.9	Pg	19:28:49.854	1.2					___				m_e		
ENTS	0.42	204.9	Sg	19:28:55.542	1.4					___				m_e		
LAUG	0.54	239.9	Pg	19:28:52.080	1.2					___				m_e		
LAUG	0.54	239.9	Sg	19:29:00.110	2.2					___				m_e		
WTSB	0.65	302.0	Pg	19:28:55.046	2.1					___				m_e		
HOBG	0.68	199.5	Pg	19:28:54.980	1.5					___				m_e		
HOBG	0.68	199.5	Sg	19:29:05.460	3.2					___				m_e		
IBBN	0.68	3.3	Pg	19:28:55.578	2.0					___				m_e	ML	2.2
WBS	0.86	197.6	Pg	19:28:58.093	1.2					___				m_e		
WBS	0.86	197.6	Sg	19:29:09.634	1.7					___		31.2	0.23	m_e		
JCK	0.99	233.7	Pg	19:29:00.481	1.2					___				m_e		
JCK	0.99	233.7	Sg	19:29:13.695	1.7					___		439.1	0.22	m_e		
RODG	1.06	243.7	Pg	19:29:02.050	1.4					___				m_e		
RODG	1.06	243.7	Sg	19:29:16.800	2.4					___				m_e		
TDN	1.15	204.5	Pg	19:29:03.648	1.3					___				m_e		
TDN	1.15	204.5	Sg	19:29:18.911	1.6					___		37.0	0.23	m_e		
AHRW	1.15	200.0	Pg	19:29:02.900	0.5					___				m_e	ML	2.2
AHRW	1.15	200.0	Sg	19:29:20.312	3.0					___				m_e		
STB	1.16	207.8	Pg	19:29:03.160	0.5					___				m_e		
STB	1.16	207.8	Sg	19:29:20.030	2.4					___		34.7	0.33	m_e		
KOE	1.20	178.9	Pg	19:29:04.440	1.1					___				m_e		
KOE	1.20	178.9	Sg	19:29:21.050	2.2					___				m_e		
KLL	1.31	222.1	Pg	19:29:05.460	0.1					___				m_e		
KLL	1.31	222.1	Sg	19:29:23.610	1.4					___		24.0	0.50	m_e		
OLFT	1.39	215.8	Pg	19:29:07.226	0.4					___				m_e		
OLFT	1.39	215.8	Sg	19:29:25.507	0.8					___				m_e		
HGN	1.40	232.8	Pg	19:29:06.796	-0.3					___				m_e		
HGN	1.40	232.8	Sg	19:29:26.023	0.8					___				m_e		
TNS	1.48	161.0	Pg	19:29:08.313	-0.3					___				m_e	ML	2.2
CLZ	1.67	81.5	Pg	19:29:12.986	0.8					___				m_e	ML	2.3

Event 921008 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
2010/09/21	16:01:17.60	0.68	0.31	51.6190	7.6680				1.0f				8 294	0.52	1.43	m i k i	BNS	921028
2010/09/21	16:01:17.31	0.38	1.09	51.6060	7.6740	7.8	4.4	148	1.0f		12	7 127	0.30	1.69	m i k i	BGR	921018	
2010/09/21	16:01:15.70			51.6350	7.6920				1.0f				195	0.13	0.33	m i k i	BUG	921008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	921028
ML	2.0	0.1	5 BGR	921018
ML	1.8		BUG	921008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.13	38.0	Pg	16:01:19.900	1.7					T_				m_e ML	1.4
BAHL	0.13	38.0	Sg	16:01:22.800	3.0					T_				m_e	
BUG	0.33	233.7	Pg	16:01:22.900	1.0					TA_				m_e ML	1.8
BUG	0.33	233.7	Sg	16:01:28.100	2.0					TA_				m_e	
LAUG	0.55	238.9	Pg	16:01:27.440	1.5									m_e	
LAUG	0.55	238.9	Sg	16:01:34.910	1.9									m_e	
IBBN	0.67	3.5	Pg	16:01:30.688	2.3									m_e	
HOBG	0.69	199.1	Pg	16:01:29.880	1.2									m_e	
HOBG	0.69	199.1	Sg	16:01:39.500	1.9									m_e	
BNS	0.74	205.9	Sg	16:01:41.790	2.4									m_e	
RODG	1.06	243.1	Pg	16:01:37.350	1.6									m_e	
RODG	1.06	243.1	Sg	16:01:51.960	2.5									m_e	
AHRW	1.16	199.7	Pg	16:01:38.987	1.4									m_e ML	2.0
AHRW	1.16	199.7	Sg	16:01:55.290	2.7									m_e	
STB	1.17	207.5	Pg	16:01:38.900	1.1									m_e	
STB	1.17	207.5	Sg	16:01:55.030	2.2							23.4	0.18	m_e	
KOE	1.21	178.8	Pg	16:01:39.500	1.0									m_e	
KOE	1.21	178.8	Sg	16:01:56.280	2.1							26.1	0.37	m_e	
KLL	1.31	221.8	Pg	16:01:40.980	0.5									m_e	
KLL	1.31	221.8	Sg	16:01:58.650	1.2							13.5	0.32	m_e	
HGN	1.41	232.4	Pg	16:01:42.226	0.0									m_e ML	2.0
HGN	1.41	232.4	Sg	16:02:00.963	0.6									m_e	
BGG	1.45	189.0	Pg	16:01:43.490	0.5									m_e	
BGG	1.45	189.0	Sg	16:02:01.900	0.2									m_e	
MEM	1.47	226.5	Pg	16:01:43.485	0.0									m_e	
MEM	1.47	226.5	Sg	16:02:03.301	0.8									m_e	
TNS	1.49	161.1	Sg	16:02:02.450	-0.6									m_e ML	1.8
CLZ	1.67	81.9	Pg	16:01:48.234	1.0									m_e ML	2.1
CLZ	1.67	81.9	Sg	16:02:12.626	3.8									m_e	

Event 923001 E of Oberstdorf, Lechtaler Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/09/23	12:29:55.80	0.08	0.51	47.2282	10.2081	1.5	1.1	053	2.0	0.0	75	26 147				m i k e	LDG	923021
2010/09/23	12:29:53.88	0.26	1.06	47.2918	10.3725	2.2	1.3	176	5.9	6.4	32	7 049				m i f e	ZAMG	923011

2010/09/23 12:29:54.88 0.34 0.88 47.3330 10.3630 4.4 3.3 176 10.0f 24 15 166 0.33 4.33 m i ke BGR 923001
 (#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.2	0.7	2 LDG	923021
ML	3.0	0.2	30 LDG	923021
ML	2.8	0.3	10 ZAMG	923011
ML	3.1	0.3	14 BGR	923001

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		4.0	EMS	ZAMG

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.33	262.1	Pg	12:30:00.128	-1.2					T__				m_e	ML 2.5
DAVA	0.33	262.1	Sg	12:30:05.642	-0.1					T__				m_e	
FUR	1.03	36.1	Pg	12:30:14.821	0.4					T__				m_e	ML 3.6
FUR	1.03	36.1	Sg	12:30:29.358	1.6					T__				m_e	
STU	1.64	331.9	Sg	12:30:47.714	0.8					T__				m_e	ML 2.9
BFO	1.69	306.9	Pg	12:30:26.128	-0.6					T__				m_e	ML 2.7
BFO	1.69	306.9	Sg	12:30:49.083	0.4					T__				m_e	
RJOB	1.69	75.3	Pg	12:30:26.267	-0.5					T__				m_e	ML 3.1
RJOB	1.69	75.3	Sg	12:30:50.241	1.6					T__				m_e	
KBA	2.04	96.1	Pg	12:30:32.870	-0.5					T__				m_e	ML 2.8
KBA	2.04	96.1	Sg	12:30:59.791	-0.0					T__				m_e	
GRA1	2.43	13.2	Sg	12:31:12.433	0.4					T__				m_e	ML 3.3
WET	2.47	41.8	Pn	12:30:34.354	0.1					T__				m_e	ML 2.9
WET	2.47	41.8	Pg	12:30:42.174	0.8					T__				m_e	
WET	2.47	41.8	Sg	12:31:11.914	-1.4					T__				m_e	
MOA	2.68	77.5	Sg	12:31:20.308	0.2					T__				m_e	ML 2.7
GEC2	2.69	54.6	Pn	12:30:37.852	0.6					T__				m_e	ML 2.8
GEC2	2.69	54.6	Pg	12:30:46.851	1.2					T__				m_e	
GEC2	2.69	54.6	Sg	12:31:19.406	-1.1					T__				m_e	
TNS	3.15	337.1	Pn	12:30:44.461	0.9					T__				m_e	
TANN	3.38	23.3	Sg	12:31:41.256	-0.9					T__				m_e	ML 3.3
MOX	3.41	13.5	Sg	12:31:43.164	-0.1					T__				m_e	ML 3.1
BRG	4.24	32.2	Sg	12:32:08.875	-0.9					T__				m_e	ML 3.4
CLL	4.33	22.4	Sg	12:32:11.254	-1.2					T__				m_e	ML 3.6

Event	924006	Kaub/Rhine																	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/09/24	09:56:03.80	0.09	0.75	50.1245	7.8689	1.8	1.3	055	10.0	0.0	27	7	091			m i ke	LDG	924046	
2010/09/24	09:56:02.70	0.27	0.11	50.1470	7.9380				7.0f							m i ke	GDNRW	924036	
2010/09/24	09:56:04.20	0.48	0.11	50.1540	7.9040				3.7	6.2				0.29	1.13	m i ke	BNS	924026	
2010/09/24	09:56:03.34	0.38	0.94	50.1270	7.8900	5.6	4.4	174	10.0f		9	6	119	0.37	1.97	m i ke	BGR	924016	
2010/09/24	09:56:03.90	0.50	0.38	50.1300	7.9000	13.0	3.0	331	5.0f		15	9	128	0.34	2.17	m i ke	LED	924006	

Magnitude	Err	Nsta	Author	OrigID
MD	2.4		1 LDG	924046
ML	2.5	0.3	8 LDG	924046
ML	1.6		GDNRW	924036

Magnitude Err Nsta Author OrigID
 ML 3.1 0.3 14 BGR 924004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.72	175.0	Pg	19:27:38.653	0.2					T__				m_e	ML 2.4
KSP	0.72	175.0	Sg	19:27:47.993	0.2					T__				m_e	
BRG	1.57	244.7	Pg	19:27:53.952	-0.4					T__				m_e	ML 3.0
BRG	1.57	244.7	Sg	19:28:14.768	0.1					T__				m_e	
FBE	1.89	251.2	Pg	19:27:59.766	-0.7					T__				m_e	ML 2.8
FBE	1.89	251.2	Sg	19:28:24.975	0.1					T__				m_e	
MORC	1.98	153.9	Pn	19:27:58.792	0.2					T__				m_e	ML 3.3
MORC	1.98	153.9	Pg	19:28:01.967	-0.2					T__				m_e	
CLL	2.01	263.9	Pn	19:27:58.547	-0.4					T__				m_e	ML 2.8
CLL	2.01	263.9	Pg	19:28:01.932	-0.7					T__				m_e	
OKC	2.12	143.6	Pn	19:28:00.731	0.2					T__				m_e	ML 3.1
OKC	2.12	143.6	Sg	19:28:31.607	-0.7					T__				m_e	
TANN	2.61	245.4	Sg	19:28:47.708	-0.2					T__				m_e	ML 3.3
OJC	2.64	119.2	Pg	19:28:14.526	-0.1					T__				m_e	ML 3.3
WERD	2.69	247.0	Pn	19:28:08.392	0.2					T__				m_e	ML 3.1
MOX	3.02	254.0	Pg	19:28:21.170	-0.5					T__				m_e	ML 3.3
MOX	3.02	254.0	Sg	19:29:01.501	0.8					T__				m_e	
MANZ	3.03	240.2	Pn	19:28:13.480	0.7					T__				m_e	ML 3.2
ROTZ	3.10	236.1	Pn	19:28:14.601	0.8					T__				m_e	ML 3.1
GEC2	3.15	211.3	Pn	19:28:14.990	0.5					T__				m_e	ML 3.3
WET	3.21	222.4	Pn	19:28:16.078	0.7					T__				m_e	ML 3.1

Event 930008 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
2010/09/30	15:36:30.00	0.75	0.31	51.6630	7.5890				1.0f			6	303	0.51	1.49	m i ki	BNS	930038
2010/09/30	15:36:29.20	0.50	0.21	51.6300	7.6450				1.0f			5	271			m i ki	GDNRW	930028
2010/09/30	15:36:30.62	0.30	0.67	51.5880	7.7640	5.6	3.3	106	1.0f		12	7	115	0.34	2.60	m i ki	BGR	930018
2010/09/30	15:36:28.80			51.6170	7.7050				1.0f							m i ki	BUG	930008

(#PRIME)

Magnitude Err Nsta Author OrigID
 ML 2.1 BNS 930038
 ML 2.2 GDNRW 930028
 ML 2.3 0.1 6 BGR 930018
 ML 2.1 BUG 930008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SORT	0.31	148.1	Pg	15:36:36.577	1.8					___				m_e	
SORT	0.31	148.1	Sg	15:36:41.254	2.5					___		93.9	0.30	m_e	
BUG	0.32	237.1	Pg	15:36:35.900	1.0					TA_				m_e	ML 2.1
BUG	0.32	237.1	Sg	15:36:41.100	2.0					TA_				m_	
ENTS	0.42	206.1	Pg	15:36:37.936	1.3					___				m_e	
ENTS	0.42	206.1	Sg	15:36:43.599	1.5					___				m_e	
LAUG	0.54	241.0	Pg	15:36:39.540	0.5					___				m_e	
HOBG	0.67	200.3	Pg	15:36:43.050	1.5					___				m_e	
IBBN	0.69	2.8	Pg	15:36:43.704	1.9					___				m_e	ML 2.3
IBBN	0.69	2.8	Sg	15:36:54.288	3.6					___				m_e	

WBS	0.85	198.2	Pg	15:36:45.878	1.0	---								m_e		
WBS	0.85	198.2	Sg	15:36:57.503	1.6	---					46.7	0.13		m_e		
JCK	0.99	234.3	Pg	15:36:47.493	0.1	---								m_e		
JCK	0.99	234.3	Sg	15:37:00.885	0.8	---					283.5	0.23		m_e		
AHRW	1.15	200.4	Pg	15:36:52.097	1.7	---								m_e	ML	2.3
AHRW	1.15	200.4	Sg	15:37:07.825	2.6	---								m_e		
STB	1.16	208.3	Pg	15:36:52.010	1.4	---								m_e		
STB	1.16	208.3	Sg	15:37:07.770	2.2	---					62.6	0.40		m_e		
KOE	1.19	179.2	Pg	15:36:52.530	1.3	---								m_e		
KLL	1.31	222.6	Pg	15:36:53.760	0.3	---								m_e		
OLFT	1.38	216.2	Pg	15:36:55.055	0.2	---								m_e		
OLFT	1.38	216.2	Sg	15:37:13.166	0.4	---								m_e		
TNS	1.47	161.2	Pg	15:36:56.542	0.0	---								m_e	ML	2.2
TNS	1.47	161.2	Sg	15:37:16.520	1.0	---								m_e		
HILG	1.47	206.4	Pg	15:36:56.810	0.2	---								m_e		
CLZ	1.67	81.2	Pn	15:36:59.750	1.4	---								m_e	ML	2.3
CLZ	1.67	81.2	Pg	15:37:01.269	1.0	---								m_e		
WLF	2.19	207.4	Pn	15:37:07.447	2.1	---								m_e	ML	2.4
HLG	2.57	2.3	Pn	15:37:12.970	2.4	---								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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