

WIT	1.34	332.7	Pg	20:45:54.120	2.1	---	m_e		
WIT	1.34	332.7	Sg	20:46:13.018	3.7	---	m_e		
OLFT	1.38	215.7	Pg	20:45:53.076	0.3	---	m_e		
OLFT	1.38	215.7	Sg	20:46:11.092	0.4	---	m_e		
HGN	1.40	232.7	Pn	20:45:52.695	0.1	---	m_e		
HGN	1.40	232.7	Sg	20:46:11.760	0.6	---	m_e		
GTTG	1.42	92.3	Pn	20:45:54.516	1.7	---	m_e	ML	2.6
GTTG	1.42	92.3	Sg	20:46:13.648	2.0	---	m_e		
BGG	1.44	189.0	Pg	20:45:53.590	-0.2	---	m_e		
MEM	1.47	226.8	Pn	20:45:54.167	0.6	---	m_e		
MEM	1.47	226.8	Sg	20:46:13.911	0.7	---	m_e		
HILG	1.48	205.9	Pg	20:45:54.360	-0.2	---	m_e		
TNS	1.48	160.9	Pn	20:45:54.348	0.6	---	m_e	ML	2.4
UBBA	1.66	118.2	Pn	20:45:58.516	2.4	---	m_e	ML	2.1
UBBA	1.66	118.2	Sg	20:46:20.121	0.8	---	m_e		
CLZ	1.68	81.5	Pn	20:45:57.169	0.8	---	m_e	ML	2.4
CLZ	1.68	81.5	Sg	20:46:20.827	0.9	---	m_e		
NRDL	1.72	58.7	Pg	20:46:01.644	2.5	---	m_e		
WLF	2.19	207.0	Pn	20:46:05.045	1.7	---	m_e	ML	2.4
FLT1	2.30	70.7	Pn	20:46:06.659	1.9	---	m_e	ML	2.4
FLT1	2.30	70.7	Pg	20:46:10.818	0.8	---	m_e		
MOX	2.65	110.2	Pn	20:46:11.874	2.3	---	m_e	ML	2.4
MOX	2.65	110.2	Pg	20:46:18.697	2.0	---	m_e		
TANN	3.24	110.1	Pn	20:46:20.231	2.7	---	m_e	ML	2.6
BFO	3.32	172.6	Pn	20:46:19.615	0.9	---	m_e		
ECH	3.43	185.9	Pn	20:46:20.521	0.4	---	m_e		

Event 503004 N of Bischofshofen/A, Tennengebirge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/03	09:14:21.71	0.48	0.24	47.6710	13.4317	3.5	1.5	037	3.7	2.3	12	4	124			m i sr	ZAMG	503014
2010/05/03	09:14:26.08	0.29	1.75	47.5930	13.2500	7.8	5.6	055	10.0f		12	8	089	0.34	2.00	m i ke	BGR	503004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	4 ZAMG	503014
ML	1.7	0.2	6 BGR	503004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.34	295.4	Pg	09:14:29.902	-2.8					T_				m_e	ML 1.3
KBA	0.52	172.9	Pg	09:14:33.594	-2.4					T_				m_e	ML 1.5
KBA	0.52	172.9	Sg	09:14:41.473	-1.3					T_				m_e	
WTTA	1.14	253.8	Pg	09:14:47.933	0.3					T_				m_e	ML 2.0
WTTA	1.14	253.8	Sg	09:15:06.317	3.9					T_				m_e	
GEC2	1.29	13.3	Pn	09:14:49.789	0.4					T_				m_e	ML 1.8
GEC2	1.29	13.3	Sg	09:15:07.114	0.0					T_				m_e	
OBKA	1.40	140.3	Pg	09:14:53.213	0.7					T_				m_e	ML 1.9
OBKA	1.40	140.3	Sg	09:15:10.284	-0.3					T_				m_e	
ARSA	1.58	101.7	Sg	09:15:18.659	2.4					T_				m_e	ML 1.7
GRC1	1.81	321.3	Sg	09:15:23.700	-0.1					T_				m_e	
GRB3	2.00	331.9	Sg	09:15:28.845	-0.7					T_				m_e	

Event 503009 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
2010/05/03	14:47:59.10	0.76	0.31	51.6790	7.5930				1.0	6.4		7	315	0.52	1.50	m i ki	BNS	503039
2010/05/03	14:47:59.60	0.27	0.11	51.5570	7.7250				1.0f			4	334			m i ki	GDNRW	503029
2010/05/03	14:47:59.91	0.23	0.83	51.5840	7.7010	3.3	2.2	170	1.0f		23	11	077	0.30	1.68	m i ki	BGR	503019
2010/05/03	14:47:58.30			51.6240	7.6940				1.0f				200	0.14	0.32	m i ki	BUG	503009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	503039
ML	1.6		GDNRW	503029
ML	2.2	0.1	7 BGR	503019
ML	2.1		BUG	503009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	35.0	Pg	14:48:02.400	1.5					T_				m_e	ML 1.6
BAHL	0.14	35.0	Sg	14:48:05.500	2.8					T_				m_e	
BUG	0.32	235.4	Pg	14:48:05.400	1.0					TA_				m_e	ML 2.1
BUG	0.32	235.4	Sg	14:48:10.500	2.0					TA_				m_e	
ENTS	0.42	204.9	Pg	14:48:07.407	1.2					---				m_e	
ENTS	0.42	204.9	Sg	14:48:12.710	1.0					---				m_e	
LAUG	0.54	240.0	Pg	14:48:09.450	1.0					---				m_e	
LAUG	0.54	240.0	Sg	14:48:16.770	1.3					---				m_e	
WTSB	0.65	302.1	Pg	14:48:12.449	1.9					---				m_e	
WTSB	0.65	302.1	Sg	14:48:21.427	2.4					---				m_e	
HOBG	0.68	199.5	Pg	14:48:12.400	1.3					---				m_e	
HOBG	0.68	199.5	Sg	14:48:23.360	3.5					---				m_e	
IBBN	0.68	3.3	Pg	14:48:13.150	2.0					---				m_e	ML 2.2
IBBN	0.68	3.3	Sg	14:48:24.650	4.6					---				m_e	
PLH	0.83	221.7	Pg	14:48:14.840	1.0					---				m_e	
JCK	0.98	233.8	Sg	14:48:31.530	1.9					---				m_e	
AHRW	1.15	200.0	Pg	14:48:21.605	1.6					---				m_e	ML 2.2
AHRW	1.15	200.0	Sg	14:48:37.681	2.8					---				m_e	
STB	1.16	207.8	Pg	14:48:21.400	1.2					---				m_e	
STB	1.16	207.8	Sg	14:48:37.280	2.1					---		31.5	0.62	m_e	
GSH	1.21	223.4	Pg	14:48:22.190	1.1					---				m_e	
GSH	1.21	223.4	Sg	14:48:38.000	1.2					---				m_e	
KLL	1.31	222.1	Pg	14:48:23.280	0.4					---				m_e	
KLL	1.31	222.1	Sg	14:48:40.400	0.6					---		14.7	0.21	m_e	
DREG	1.33	224.2	Pg	14:48:23.360	0.0					---				m_e	
DREG	1.33	224.2	Sg	14:48:41.740	1.2					---		22.0	0.55	m_e	
HGN	1.40	232.8	Pg	14:48:24.689	0.0					---				m_e	
HGN	1.40	232.8	Sg	14:48:43.405	0.6					---				m_e	
GTTG	1.41	92.3	Pg	14:48:26.661	1.7					---				m_e	ML 2.4
GTTG	1.41	92.3	Sg	14:48:45.517	2.3					---				m_e	
BGG	1.44	189.2	Pg	14:48:25.770	0.4					---				m_e	
MEM	1.47	226.9	Pg	14:48:26.008	0.1					---				m_e	
MEM	1.47	226.9	Sg	14:48:45.782	0.9					---				m_e	
HILG	1.48	206.0	Pg	14:48:25.770	-0.4					---				m_e	
TNS	1.48	161.0	Pn	14:48:25.969	0.7					---				m_e	ML 2.2
TNS	1.48	161.0	Pg	14:48:26.909	0.7					---				m_e	

CLZ 1.65 81.1 Pn 16:52:17.779 2.9 m_e ML 2.1

Event 505008 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
2010/05/05	04:16:15.80	0.95	0.41	51.6430	7.6060				1.0f			7	305	0.51	1.45	m i ki	BNS	505028
2010/05/05	04:16:16.03	0.32	0.80	51.6070	7.7160	5.6	3.3	126	1.0f		11	6	123	0.32	1.66	m i ki	BGR	505018
2010/05/05	04:16:14.30			51.6060	7.7120				1.0f				211	0.15	0.32	m i ki	BUG	505008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	505028
ML	2.0	0.1	5 BGR	505018
ML	1.9		BUG	505008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.15	27.4	Pg	04:16:18.500	1.4					T_				m__ ML	1.2
BAHL	0.15	27.4	Sg	04:16:21.300	2.3					T_				m__	
BUG	0.32	239.2	Pg	04:16:21.300	0.9					TA_				m_e ML	1.9
BUG	0.32	239.2	Sg	04:16:26.500	2.0					TA_				m__	
LAUG	0.54	242.2	Pg	04:16:24.920	0.4					---				m_e	
LAUG	0.54	242.2	Sg	04:16:32.790	1.3					---		30.6	0.73	m_e	
HOBG	0.67	201.0	Pg	04:16:28.390	1.5					---				m_e	
HOBG	0.67	201.0	Sg	04:16:37.960	2.5					---		91.5	0.54	m_e	
IBBN	0.70	2.3	Pg	04:16:29.785	2.3					---				m_e ML	2.1
IBBN	0.70	2.3	Sg	04:16:39.144	2.6					---				m_e	
RODG	1.06	244.8	Pg	04:16:35.040	0.7					---				m_e	
RODG	1.06	244.8	Sg	04:16:49.480	1.5					---				m_e	
AHRW	1.14	200.8	Pg	04:16:37.493	1.8					---				m_e ML	2.0
AHRW	1.14	200.8	Sg	04:16:53.710	3.3					---				m_e	
STB	1.15	208.8	Pg	04:16:37.600	1.6					---				m_e	
STB	1.15	208.8	Sg	04:16:53.580	2.7					---		28.2	0.49	m_e	
KLL	1.30	223.0	Pg	04:16:39.290	0.5					---				m_e	
KLL	1.30	223.0	Sg	04:16:56.740	1.1					---		10.7	0.53	m_e	
DREG	1.32	225.1	Pg	04:16:39.810	0.6					---				m_e	
DREG	1.32	225.1	Sg	04:16:57.350	1.0					---		17.1	0.53	m_e	
BGG	1.42	189.7	Pg	04:16:41.510	0.5					---				m_e	
BGG	1.42	189.7	Sg	04:17:00.860	1.5					---				m_e	
TNS	1.46	161.2	Pg	04:16:43.181	1.4					---				m_e ML	2.0
TNS	1.46	161.2	Sg	04:17:03.362	2.7					---				m_e	
MEM	1.46	227.7	Sg	04:17:01.578	0.8					---				m_e	
CLZ	1.66	80.8	Pg	04:16:46.712	1.0					---				m_e ML	2.0
CLZ	1.66	80.8	Sg	04:17:08.404	1.2					---				m_e	

Event 506009 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
2010/05/06	20:47:10.40	0.92	0.41	51.6540	7.6680				1.0f			9	306	0.54	1.50	m i ki	BNS	506029
2010/05/06	20:47:11.39	0.23	0.70	51.5960	7.6600	3.3	2.2	141	1.0f		20	12	076	0.29	3.24	m i ki	BGR	506019
2010/05/06	20:47:09.40			51.6040	7.7100				1.0f				211	0.15	0.32	m i ki	BUG	506009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	506029
ML	2.1	0.2	7 BGR	506019
ML	1.8		BUG	506009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.15	27.5	Pg	20:47:13.500	1.3					T__				m_e	ML 1.8
BAHL	0.15	27.5	Sg	20:47:16.500	2.3					T__				m_e	
BUG	0.32	239.4	Pg	20:47:16.400	1.0					TA__				m_e	ML 1.8
BUG	0.32	239.4	Sg	20:47:21.500	2.0					TA__				m_e	
LAUG	0.54	242.4	Pg	20:47:20.390	0.8					---				m_e	
LAUG	0.54	242.4	Sg	20:47:28.260	1.7					---				m_e	
HOBG	0.66	200.9	Pg	20:47:23.490	1.6					---				m_e	
HOBG	0.66	200.9	Sg	20:47:34.060	3.6					---				m_e	
WTSB	0.67	303.1	Pg	20:47:23.695	1.7					---				m_e	
WTSB	0.67	303.1	Sg	20:47:32.055	1.4					---				m_e	
IBBN	0.70	2.4	Pg	20:47:24.826	2.2					---				m_e	ML 2.1
IBBN	0.70	2.4	Sg	20:47:34.557	2.8					---				m_e	
BNS	0.72	207.8	Pg	20:47:24.430	1.4					---				m_e	
BNS	0.72	207.8	Sg	20:47:35.300	3.0					---				m_e	
RODG	1.06	244.9	Pg	20:47:30.950	1.6					---				m_e	
RODG	1.06	244.9	Sg	20:47:45.670	2.6					---				m_e	
AHRW	1.14	200.8	Pg	20:47:32.576	1.8					---				m_e	ML 1.9
AHRW	1.14	200.8	Sg	20:47:48.724	3.3					---				m_e	
STB	1.15	208.7	Pg	20:47:31.780	0.7					---				m_e	
STB	1.15	208.7	Sg	20:47:48.570	2.7					---		26.0	0.45	m_e	
KLL	1.30	223.1	Pg	20:47:34.480	0.6					---				m_e	
KLL	1.30	223.1	Sg	20:47:51.470	0.8					---		15.4	0.38	m_e	
DREG	1.32	225.1	Pg	20:47:34.580	0.3					---				m_e	
DREG	1.32	225.1	Sg	20:47:52.400	1.0					---		12.4	0.45	m_e	
HGN	1.40	233.7	Pn	20:47:35.714	0.4					---				m_e	
HGN	1.40	233.7	Sg	20:47:54.447	0.7					---				m_e	
GTTG	1.40	91.5	Pn	20:47:38.698	3.3					---				m_e	ML 2.3
BGG	1.42	189.7	Pg	20:47:36.550	0.4					---				m_e	
BGG	1.42	189.7	Sg	20:47:55.820	1.4					---				m_e	
TNS	1.46	161.1	Pn	20:47:37.081	1.0					---				m_e	ML 1.9
TNS	1.46	161.1	Sn	20:47:55.988	1.0					---				m_e	
MEM	1.46	227.7	Pn	20:47:37.004	0.9					---				m_e	
MEM	1.46	227.7	Sg	20:47:56.937	1.1					---				m_e	
HILG	1.46	206.7	Pg	20:47:37.380	0.4					---				m_e	
RUH	1.65	114.7	Pn	20:47:41.377	2.6					---				m_e	ML 2.2
CLZ	1.67	80.8	Pn	20:47:41.463	2.5					---				m_e	ML 2.1
CLZ	1.67	80.8	Sg	20:48:04.989	2.7					---				m_e	
MOX	2.63	109.8	Pn	20:47:54.573	2.5					---				m_e	
TANN	3.22	109.8	Pn	20:48:02.802	2.8					---				m_e	

Event 506011 Balingen/Swabian Jura

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/06	23:41:51.38	0.89	0.21	48.4148	9.2098	4.9	3.1	171	8.0	0.0	6	3	029			m i uk	ZAMG	506041

2010/05/06 23:41:52.00	0.04	0.31	48.3556	8.9685	0.7	0.6	136	14.4	0.4	26	7	056			m i ke LDG	506031
2010/05/06 23:41:52.24	0.28	0.62	48.3440	8.9970	3.3	2.2	124	10.0f		16	10	113	0.44	2.68	m i ke BGR	506021
2010/05/06 23:41:51.95	0.11	0.11	48.3540	8.9740	0.7	0.6	076	12.0	2.0	22	10	092	0.18	1.22	m i ke LED	506011

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	3 ZAMG	506041
MD	2.1	0.1	2 LDG	506031
ML	2.0	0.4	8 LDG	506031
ML	1.8	0.3	7 BGR	506021
ML	1.6	0.2	14 LED	506011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
TUBL	0.18	23.1	P*	23:41:56.500						T__				mdi	ML	1.8
TUBL	0.18	23.1	S*	23:41:59.330						T__				m__		
BUCH	0.27	69.0	P*	23:41:57.740						T__				mci	ML	1.5
BUCH	0.27	69.0	S*	23:42:01.710						T__				m__		
SPAK	0.28	206.5	P*	23:41:58.080						T__				mdi		
GUT	0.30	161.6	P*	23:41:58.190						T__				mdi	ML	1.4
GUT	0.30	161.6	S*	23:42:02.430						T__				m__		
LBG	0.33	339.2	P*	23:41:58.860						T__				mdi	ML	1.5
LBG	0.33	339.2	S*	23:42:03.630						T__				m__		
BFO	0.43	267.0	P*	23:42:00.610						T__				mci	ML	1.5
BFO	0.43	267.0	PmP	23:42:02.090	-1.3					T__				m__		
BFO	0.43	267.0	S*	23:42:06.610						T__				m__		
BFO	0.43	267.0	SmS	23:42:09.240	-2.0					T__				m__		
STU	0.44	19.1	P*	23:42:00.760						T__				m__	ML	1.1
STU	0.44	19.1	S*	23:42:06.510						T__				m__		
OPP	0.54	285.6	P*	23:42:02.600						T__				mci	ML	1.9
OPP	0.54	285.6	PmP	23:42:03.620	-1.4					T__				md__		
OPP	0.54	285.6	S*	23:42:09.850						T__				m__		
OPP	0.54	285.6	SmS	23:42:11.680	-2.3					T__				m__		
SISB	0.67	180.6	P*	23:42:05.020						T__				mc__	ML	1.6
SISB	0.67	180.6	S*	23:42:14.080						---				m__		
SISB	0.67	180.6	SmS	23:42:15.810	-1.4					---				m__		
SLE	0.67	208.8	P*	23:42:04.900						T__				m__		
SLE	0.67	208.8	S*	23:42:13.500						T__				m__		
SLE	0.67	208.8	SmS	23:42:14.990	-2.3					---				m__		
FELD	0.80	233.9	P	23:42:07.410						---				m__		
FELD	0.80	233.9	Pg	23:42:07.710	0.5					---				m__		
FELD	0.80	233.9	Sg	23:42:18.310	0.6					---				m__		
KIZ	0.81	240.9	P	23:42:07.090						---				m__	ML	1.9
KIZ	0.81	240.9	Pg	23:42:07.480	0.1					---				m__		
KIZ	0.81	240.9	S	23:42:17.800						---				m__		
KIZ	0.81	240.9	Sg	23:42:18.690	0.8					---				m__		
KIZ	0.81	240.9	SmS	23:42:19.130	-1.9					---				m__		
HDH	0.85	73.8	P	23:42:08.130						---				mc__	ML	1.5
HDH	0.85	73.8	Sg	23:42:19.410	0.3					---				m__		
WILA	0.94	182.7	Pg	23:42:10.247	0.5					---				m_e	ML	2.1
WILA	0.94	182.7	Sg	23:42:23.008	1.0					---				m_e		
LDAU	1.00	326.3	Pg	23:42:11.947	1.1					---				m_e		
LDAU	1.00	326.3	Sg	23:42:26.055	2.2					---				m_e		
SULZ	1.01	215.3	Pg	23:42:11.320	0.3					---				m__		
SULZ	1.01	215.3	Sg	23:42:24.320	0.2					---				m__		

UBR	1.01	131.2	Pg	23:42:11.580	0.4	---	m__	ML	2.0
UBR	1.01	131.2	Sg	23:42:25.230	0.9	---	m__		
WLS	1.08	273.7	P	23:42:11.160		---	m__		
WLS	1.08	273.7	Pg	23:42:12.510	0.1	---	m__		
SIND	1.08	22.4	Pg	23:42:12.350	-0.0	---	m__	ML	1.9
SIND	1.08	22.4	Sg	23:42:26.450	0.1	---	m__		
SWS	1.14	351.1	Pg	23:42:13.890	0.3	---	m__	ML	1.4
ECH	1.22	264.2	Sg	23:42:30.491	-0.2	---	m_e		
BALST	1.33	220.6	Sg	23:42:34.033	-0.4	---	m_e	ML	1.9
GRA1	1.99	46.9	Sg	23:42:55.088	-0.2	---	m_e	ML	2.1
WET	2.69	71.5	Sg	23:43:16.981	-0.6	---	m_e		

Event 509003 Waldfeucht, S of Roermond/NL, Dutch-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/09	13:02:05.80	0.11	0.58	51.1707	5.9080	2.0	1.2	164	7.0f		38	8	188			m i ke	LDG	509023
2010/05/09	13:02:06.18	0.52	0.71	51.1560	5.9870	6.7	3.3	112	10.0f		14	9	207	0.39	2.81	m i ke	BGR	509013
2010/05/09	13:02:06.50	1.35	0.41	51.1480	5.9670				10.2	5.7		10	270	0.13	1.28	m i ke	BNS	509003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.5	0.0	2 LDG	509023
ML	2.2	0.3	8 LDG	509023
ML	1.9	0.2	6 BGR	509013
ML	1.6		BNS	509003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RODG	0.13	91.3	Pg	13:02:09.600	0.0					T__				mci	
RODG	0.13	91.3	Sg	13:02:12.110	0.5					T__		347.0	0.44	m_e	
HGN	0.38	183.3	Pg	13:02:13.728	-0.2					---				m_e	
HGN	0.38	183.3	Sg	13:02:19.146	0.1					---				m_e	
DREG	0.51	160.8	Pg	13:02:16.140	-0.2					T__				m_e	
DREG	0.51	160.8	Sg	13:02:23.300	0.2					T__		24.9	0.29	m_e	
MEM	0.54	177.3	Pg	13:02:16.835	0.0					---				m_e	
MEM	0.54	177.3	Sg	13:02:23.844	-0.0					---				m_e	
KLL	0.55	156.4	Pg	13:02:16.720	-0.2					T__				m_e	
KLL	0.55	156.4	Sg	13:02:24.810	0.7					T__		20.5	0.14	m_e	
LAUG	0.64	71.3	Pg	13:02:17.940	-0.8					T__				mce	
STB	0.78	134.8	Pg	13:02:21.160	-0.2					T__				m_e	
STB	0.78	134.8	Sg	13:02:31.390	-0.1					T__		13.0	0.14	m_e	
BNS	0.78	103.2	Sg	13:02:31.500	-0.0					T__		50.8	0.54	m_e	
BUG	0.87	69.7	Pg	13:02:22.235	-0.7					---				m_e	ML
BUG	0.87	69.7	Sg	13:02:33.617	-0.5					---				m_e	2.2
HOBG	0.87	100.3	Pg	13:02:22.980	-0.1					T__				m_e	
AHRW	0.93	130.5	Pg	13:02:24.086	0.0					---				m_e	ML
AHRW	0.93	130.5	Sg	13:02:36.998	0.9					---				m_e	1.7
HILG	0.97	152.0	Pg	13:02:25.060	0.2					T__				m_e	
HILG	0.97	152.0	Sg	13:02:37.460	0.1					T__		13.5	0.38	m_e	
WTSB	0.97	32.0	Pg	13:02:23.855	-1.0					---				m_e	
WTSB	0.97	32.0	Sg	13:02:37.017	-0.4					---				m_e	
BGG	1.28	136.8	Sg	13:02:45.550	-1.8					T__		12.0	0.19	m_e	
WLF	1.49	175.4	Sg	13:02:52.710	-1.2					---				m_e	ML

IBBN	1.60	43.1	Sg	13:02:57.554	0.0	---	m_e ML	2.0
TNS	1.82	119.5	Sg	13:03:03.893	-0.6	---	m_e ML	1.8
CLZ	2.83	74.1	Sg	13:03:34.081	-2.3	---	m_e ML	2.3

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
510001 Hamm/Westfalen, Ruhr Coal Mining District	2010/05/10	02:22:21.80	0.10	0.70	51.5611	7.7632	2.5	1.6	151	1.0f		49	19	080			m i sr	LDG	510041
	2010/05/10	02:22:21.10	0.93	0.31	51.6690	7.7100				1.0f			9	297	0.57	1.52	m i ki	BNS	510031
	2010/05/10	02:22:21.90	0.23	0.11	51.6200	7.5900				1.0f			8	322			m i ki	GDNRW	510021
	2010/05/10	02:22:22.03	0.28	0.76	51.5700	7.7170	5.6	3.3	150	1.0f		13	8	117	0.31	1.74	m i ki	BGR	510011
	2010/05/10	02:22:21.10			51.6240	7.6900				1.0f				199	0.14	0.32	m i ki	BUG	510001
	#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
MD	3.1	1	LDG	510041
ML	2.9	0.3	9 LDG	510041
ML	2.5		BNS	510031
ML	2.5		GDNRW	510021
ML	2.5	0.2	6 BGR	510011
ML	2.4		BUG	510001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.14	35.8	Pg	02:22:25.100	1.4					T_				m_	ML	2.0
BAHL	0.14	35.8	Sg	02:22:28.100	2.6					T_				m_		
BUG	0.32	235.1	Pg	02:22:28.100	1.0					TA_				m_e	ML	2.4
BUG	0.32	235.1	Sg	02:22:33.200	1.9					TA_				m_		
ENTS	0.42	204.6	Pg	02:22:30.126	1.1									m_e		
ENTS	0.42	204.6	Sg	02:22:35.728	1.3									m_e		
LAUG	0.54	239.8	Pg	02:22:31.670	0.4									m_e		
HOBG	0.68	199.3	Pg	02:22:35.020	1.1									m_e		
HOBG	0.68	199.3	Sg	02:22:44.870	2.2							194.0	0.58	m_e		
IBBN	0.68	3.5	Pg	02:22:35.881	1.9									m_e	ML	2.5
IBBN	0.68	3.5	Sg	02:22:46.150	3.3									m_e		
BNS	0.73	206.2	Pg	02:22:35.530	0.6									m_e		
PLH	0.82	221.6	Pg	02:22:37.061	0.4									m_e		
PLH	0.82	221.6	Sg	02:22:47.896	0.6							277.0	0.23	m_e		
WBS	0.86	197.5	Pg	02:22:38.259	1.0									m_e		
WBS	0.86	197.5	Sg	02:22:49.514	1.2							59.9	0.18	m_e		
JCK	0.98	233.7	Pg	02:22:39.773	0.2									m_e		
JCK	0.98	233.7	Sg	02:22:52.778	0.5							604.4	0.19	m_e		
RODG	1.06	243.6	Pg	02:22:41.240	0.2									m_e		
RODG	1.06	243.6	Sg	02:22:57.160	2.5							522.5	0.61	m_e		
TDN	1.15	204.3	Pg	02:22:43.277	0.5									m_e		
TDN	1.15	204.3	Sg	02:22:58.969	1.4							68.1	0.17	m_e		
KOE	1.20	178.7	Pg	02:22:43.890	0.2									m_e		
KOE	1.20	178.7	Sg	02:23:01.410	2.2									m_e		
GSH	1.21	223.3	Pg	02:22:44.181	0.3									m_e		
GSH	1.21	223.3	Sg	02:22:59.502	-0.0							38.4	0.18	m_e		
KLL	1.31	222.1	Pg	02:22:45.510	-0.2									m_e		
KLL	1.31	222.1	Sg	02:23:03.150	0.6							55.0	0.32	m_e		
DREG	1.33	224.1	Pg	02:22:45.880	-0.2									m_e		

DREG	1.33	224.1	Sg	02:23:04.280	1.0	---	52.5	0.79	m_e										
OLFT	1.38	215.7	Pg	02:22:47.150	-0.0	---			m_e										
OLFT	1.38	215.7	Sg	02:23:05.109	0.1	---			m_e										
HGN	1.40	232.7	Pg	02:22:47.071	-0.4	---			m_e										
HGN	1.40	232.7	Sg	02:23:06.066	0.6	---			m_e										
GTTG	1.42	92.3	Pg	02:22:47.493	-0.3	---			m_e	ML								2.7	
BGG	1.44	189.1	Pg	02:22:47.400	-0.7	---			m_e										
MEM	1.47	226.8	Pg	02:22:47.931	-0.8	---			m_e										
MEM	1.47	226.8	Sg	02:23:08.041	0.4	---			m_e										
HILG	1.48	205.9	Pg	02:22:48.170	-0.8	---			m_e										
LOH	1.61	207.2	Pg	02:22:50.467	-1.1	---			m_e										
LOH	1.61	207.2	Sg	02:23:10.810	-1.6	---	43.8	0.31	m_e										
UBBA	1.66	118.2	Pg	02:22:52.918	0.6	---			m_e	ML								2.7	
UBBA	1.66	118.2	Sg	02:23:14.643	0.9	---			m_e										
CLZ	1.68	81.5	Pn	02:22:51.441	0.7	---			m_e	ML								2.5	
NRDL	1.72	58.7	Pg	02:22:54.487	0.9	---			m_e	ML								2.1	

Event 511001 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
2010/05/11	00:33:03.40	0.81	0.41	51.6450	7.6590				1.0f			10	296	0.53	1.49	m i ki	BNS	511031
2010/05/11	00:33:03.90	0.25	0.11	51.5900	7.6160				1.0f			4	321			m i ki	GDNRW	511021
2010/05/11	00:33:04.27	0.29	0.94	51.6370	7.6110	5.6	3.3	133	1.0f		16	10	077	0.29	2.82	m i ki	BGR	511011
2010/05/11	00:33:02.50			51.6350	7.6790				1.0f				191	0.13	0.32	m i ki	BUG	511001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	511031
ML	2.0		GDNRW	511021
ML	2.1	0.2	7 BGR	511011
ML	2.0		BUG	511001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.13	40.9	Pg	00:33:06.600	1.6					T_				m_	ML	1.8
BAHL	0.13	40.9	Sg	00:33:09.600	2.8					T_				m_		
BUG	0.32	232.8	Pg	00:33:09.600	1.1					TA_				m_e	ML	2.0
BUG	0.32	232.8	Sg	00:33:14.700	2.0					TA_				m_		
ENTS	0.43	203.1	Pg	00:33:11.602	1.0									m_e		
ENTS	0.43	203.1	Sg	00:33:16.942	0.9									m_e		
LAUG	0.54	238.5	Pg	00:33:13.170	0.5									m_e		
WTSB	0.64	301.7	Pg	00:33:16.143	1.6									m_e		
IBBN	0.67	4.2	Pg	00:33:17.344	2.2									m_e	ML	2.0
HOBG	0.69	198.5	Pg	00:33:16.260	0.8									m_e		
BNS	0.74	205.3	Pg	00:33:17.650	1.2									m_e		
WBS	0.87	196.8	Pg	00:33:19.639	0.8									m_e		
WBS	0.87	196.8	Sg	00:33:30.888	0.9							21.2	0.21	m_e		
JCK	0.98	232.9	Sg	00:33:34.386	0.6							290.2	0.32	m_e		
RODG	1.06	242.9	Pg	00:33:23.920	1.5									m_e		
AHRW	1.16	199.3	Pg	00:33:25.722	1.4									m_e	ML	2.1
AHRW	1.16	199.3	Sg	00:33:41.863	2.6									m_e		
STB	1.17	207.2	Pg	00:33:25.510	1.0									m_e		
STB	1.17	207.2	Sg	00:33:41.430	1.9							30.1	0.46	m_e		

KOE	1.21	178.4	Pg	00:33:26.110	0.8	---	m_e		
GSH	1.21	222.7	Pg	00:33:26.200	0.8	---	m_e		
KLL	1.31	221.5	Pg	00:33:26.800	-0.4	---	m_e		
DREG	1.33	223.6	Pg	00:33:27.300	-0.3	---	m_e		
HGN	1.40	232.2	Pg	00:33:28.847	-0.0	---	m_e		
HGN	1.40	232.2	Sg	00:33:47.338	0.4	---	m_e		
BGG	1.45	188.7	Pg	00:33:28.990	-0.7	---	m_e		
MEM	1.47	226.3	Pg	00:33:30.216	0.1	---	m_e		
MEM	1.47	226.3	Sg	00:33:49.965	0.8	---	m_e		
HILG	1.48	205.5	Pg	00:33:29.990	-0.5	---	m_e		
TNS	1.49	160.8	Pn	00:33:30.147	0.5	---	m_e ML	2.1	
TNS	1.49	160.8	Sn	00:33:52.175	3.2	---	m_e		
CLZ	1.68	81.9	Pn	00:33:33.126	0.9	---	m_e ML	2.1	
CLZ	1.68	81.9	Sg	00:33:59.086	3.2	---	m_e		
WLF	2.20	206.8	Sg	00:34:14.385	2.1	---	m_e ML	2.1	
BSEG	2.80	33.7	Sg	00:34:35.278	3.9	---	m_e ML	2.5	

Event 511011 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/11	02:13:40.00	0.46	0.21	45.1420	7.8920				10.0f			7	350	5.08	5.85	m i ke	BNS	511031
2010/05/11	02:13:41.70			45.7300	9.7400				-5.0							m i uk	SED	511021
2010/05/11	02:13:44.40	0.53	1.50	45.7390	9.6400	8.9	8.9	073	10.0f		33	13	290	2.67	5.08	m i ke	BGR	511011

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.5		BNS	511031
ML	3.4		SED	511021
ML	3.7	0.2	12 BGR	511011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	2.67	24.1	Pn	02:14:27.050	0.6					T_				m_e ML	3.7
FUR	2.67	24.1	Sg	02:15:09.473	0.3					T_				m_e	
BFO	2.74	341.5	Pn	02:14:27.246	-0.2					T_				m_e ML	3.5
BFO	2.74	341.5	Pg	02:14:35.103	-1.0					T_				m_e	
BFO	2.74	341.5	Sg	02:15:11.124	-0.4					T_				m_e	
STU	3.05	354.5	Pg	02:14:40.968	-0.9					T_				m_e ML	3.9
STU	3.05	354.5	Sg	02:15:19.568	-1.7					T_				m_e	
WET	4.05	31.6	Pn	02:14:45.009	-0.2					T_				m_e ML	3.4
WET	4.05	31.6	Pg	02:14:58.507	-2.2					T_				m_e	
WET	4.05	31.6	Sg	02:15:48.500	-4.5					T_				m_e	
GRA1	4.09	14.5	Pn	02:14:45.059	-0.7					T_				m_e ML	4.0
GRA1	4.09	14.5	Pg	02:15:00.295	-1.3					T_				m_e	
GRA1	4.09	14.5	Sg	02:15:54.916	0.4					T_				m_e	
GEC2	4.15	40.1	Pn	02:14:46.097	-0.5					T_				m_e ML	3.4
GEC2	4.15	40.1	Sn	02:15:34.449	2.9					T_				m_e	
ROTZ	4.38	22.3	Pn	02:14:48.974	-0.7					T_				m_e ML	3.6
ROTZ	4.38	22.3	Sg	02:16:02.326	-1.3					T_				m_e	
TNS	4.55	350.3	Pn	02:14:53.129	1.1					T_				m_e ML	3.8
TNS	4.55	350.3	Sg	02:16:09.679	0.6					T_				m_e	
MANZ	4.56	20.4	Pn	02:14:51.443	-0.6					T_				m_e ML	3.6
MANZ	4.56	20.4	Pg	02:15:09.841	-0.5					T_				m_e	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.14	35.4	Pg	10:30:58.700	1.6					T__				m__	ML	1.7
BAHL	0.14	35.4	Sg	10:31:01.600	2.7					T__				m__		
BUG	0.32	235.3	Pg	10:31:01.600	1.1					TA__				m_e	ML	1.8
BUG	0.32	235.3	Sg	10:31:06.700	2.0					TA__				m__		
LAUG	0.54	239.9	Pg	10:31:05.190	0.5					---				m_e		
WTSB	0.65	302.1	Pg	10:31:08.187	1.4					---				m_e		
WTSB	0.65	302.1	Sg	10:31:17.551	2.4					---				m_e		
HOBG	0.68	199.4	Pg	10:31:08.470	1.2					---				m_e		
IBBN	0.68	3.4	Pg	10:31:09.364	2.0					---				m_e	ML	2.1
IBBN	0.68	3.4	Sg	10:31:18.524	2.3					---				m_e		
AHRW	1.15	199.9	Pg	10:31:17.790	1.6					---				m_e	ML	2.1
AHRW	1.15	199.9	Sg	10:31:34.298	3.3					---				m_e		
STB	1.16	207.8	Pg	10:31:17.260	0.9					---				m_e		
STB	1.16	207.8	Sg	10:31:33.280	1.9					---		24.7	0.24	m_e		
KOE	1.20	178.8	Pg	10:31:17.840	0.7					---				m_e		
KLL	1.31	222.1	Pg	10:31:18.900	-0.2					---				m_e		
DREG	1.33	224.2	Pg	10:31:19.570	0.1					---				m_e		
HGN	1.40	232.7	Pg	10:31:20.912	0.1					---				m_e		
HGN	1.40	232.7	Sg	10:31:39.728	0.8					---				m_e		
BGG	1.44	189.1	Pg	10:31:21.700	0.1					---				m_e		
MEM	1.47	226.9	Pg	10:31:22.170	0.0					---				m_e		
MEM	1.47	226.9	Sg	10:31:42.163	1.1					---				m_e		
TNS	1.48	160.9	Pn	10:31:22.178	0.7					---				m_e	ML	2.1
TNS	1.48	160.9	Pg	10:31:23.047	0.7					---				m_e		
TNS	1.48	160.9	Sg	10:31:41.372	-0.2					---				m_e		
CLZ	1.67	81.5	Pg	10:31:26.960	0.9					---				m_e	ML	2.1
CLZ	1.67	81.5	Sg	10:31:48.844	1.2					---				m_e		

Event	512010 Lahr/Upper Rhine Graben																	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/12	16:35:14.60	0.02	0.24	48.4087	7.7928	0.5	0.4	149	10.0	0.0	50	16	029			m i ke	LDG	512030
2010/05/12	16:35:14.79	0.28	0.13	48.4140	7.8070	2.2	2.2	058	10.0f		17	10	074	0.36	1.86	m i ke	BGR	512020
2010/05/12	16:35:14.94	0.21	0.21	48.3900	7.8290	2.3	1.1	323	14.0	2.0	29	17	096	0.28	1.88	m i ke	LED	512010
(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
MD	2.5	0.2	3 LDG	512030
ML	2.5	0.3	18 LDG	512030
ML	2.1	0.2	8 BGR	512020
ML	2.1	0.1	13 LED	512010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
LIBD	0.28	212.2	P*	16:35:21.220						T__				mci		
LIBD	0.28	212.2	S*	16:35:24.840						---				m__		
BFO	0.34	100.0	P*	16:35:21.930						T__				mdi	ML	2.3
BFO	0.34	100.0	S*	16:35:26.730						T__				m_i		
FBB	0.39	177.6	P*	16:35:22.980						T__				m__		
FBB	0.39	177.6	S*	16:35:28.460						T__				m__		
KIZ	0.44	172.2	P*	16:35:23.690						T__				mdi	ML	1.9

KIZ	0.44	172.2	S*	16:35:29.540															T__	m_i		
KIZ	0.44	172.2	SmS	16:35:31.770	-2.3														T__	m__		
ECH	0.48	248.9	P*	16:35:23.900															___	m__ ML	2.2	
ECH	0.48	248.9	S*	16:35:31.350															T__	m__		
FELD	0.53	167.1	P*	16:35:25.420															T__	mdi		
LANF	0.59	358.5	P*	16:35:26.210															T__	m__		
LBG	0.70	66.5	P*	16:35:28.130															T__	mci ML	2.1	
LBG	0.70	66.5	S*	16:35:37.340															T__	m__		
SPAK	0.70	113.9	Pg	16:35:28.820	0.5														T__	md__		
MOF	0.71	221.1	P*	16:35:28.660															T__	mde		
SLE	0.77	144.3	Pn	16:35:29.490	-1.2														T__	m__ ML	2.0	
SLE	0.77	144.3	Pg	16:35:29.890	0.3														T__	m__		
TUBL	0.84	80.5	Pg	16:35:31.280	0.3														T__	mc__ ML	2.1	
SULZ	0.88	167.4	Pg	16:35:32.002	0.3														___	m_e ML	2.3	
SULZ	0.88	167.4	Sg	16:35:43.756	0.5														___	m_e		
GUT	0.91	109.9	Pg	16:35:32.560	0.2														T__	m__ ML	2.1	
BBS	0.95	193.2	Pg	16:35:33.300	0.3														T__	m__		
STU	0.98	66.6	Sg	16:35:46.213	-0.1														___	m_e ML	2.3	
BUCH	1.01	86.1	Pg	16:35:34.140	-0.0														T__	m__ ML	2.3	
BUCH	1.01	86.1	Sn	16:35:45.950	-1.6														T__	m__		
BUCH	1.01	86.1	Sg	16:35:47.950	0.6														T__	m__		
SISB	1.04	132.4	Pg	16:35:35.330	0.7														T__	m__ ML	2.1	
SISB	1.04	132.4	Sg	16:35:49.010	0.9														T__	m__		
BALST	1.06	184.9	Pg	16:35:35.269	0.3														___	m_e ML	2.0	
BALST	1.06	184.9	Sg	16:35:49.037	0.3														___	m_e		
WILA	1.21	143.0	Pg	16:35:38.487	0.5														___	m_e ML	2.2	
WILA	1.21	143.0	Sg	16:35:54.192	0.5														___	m_e		
THEF	1.23	263.1	Pg	16:35:37.680	-0.6														T__	m__		
THEF	1.23	263.1	Sg	16:35:53.950	-0.3														T__	m__		
LOMF	1.24	213.3	Pg	16:35:38.750	0.4														T__	m__		
TOD	1.37	27.4	Sg	16:35:58.350	-0.4														___	m__		
RUP	1.41	339.3	Pg	16:35:40.940	-0.6														___	m__		
ABH	1.50	353.1	Pg	16:35:42.770	-0.6														___	m__		
SIND	1.51	50.0	Pg	16:35:43.180	-0.3														___	m__ ML	1.9	
HDH	1.59	82.1	Pg	16:35:44.300	-0.7														___	m__ ML	2.0	
UBR	1.68	114.1	Pg	16:35:47.470	0.8														___	m__ ML	2.1	
UBR	1.68	114.1	Sg	16:36:09.410	0.9														___	m__		
WLF	1.68	319.9	Pg	16:35:46.065	-0.7														___	m_e		
WLF	1.68	319.9	Sg	16:36:07.297	-1.3														___	m_e		
PLONS	1.70	141.5	Sg	16:36:09.853	0.8														___	m_e		
TNS	1.88	12.2	Sg	16:36:13.470	-1.2														___	m__ ML	2.0	

Event 514005 Sierentz/F, NW of Loerrach/Upper Rhine Graben

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/05/14	12:31:35.80			47.6700	7.5200				17.0								m i uk	SED	514035
2010/05/14	12:31:35.50	0.05	0.38	47.6585	7.5062	1.1	1.0	004	20.0	0.6	15	3	053				m i ke	LDG	514025
2010/05/14	12:31:36.36	0.44	0.44	47.6670	7.5400	4.4	3.3	059	10.0f		12	6	173	0.35	0.96		m i ke	BGR	514015
2010/05/14	12:31:35.85	0.07	0.15	47.6510	7.5260	0.8	0.7	130	20.0	1.5	30	14	069	0.19	1.46		m i ke	LED	514005

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	2.3		SED	514035
MD	2.1	0.1	3 LDG	514025
ML	2.7		1 LDG	514025
ML	2.0	0.3	6 BGR	514015
ML	2.1	0.2	12 LED	514005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BBS	0.19	183.5	P*	12:31:40.720						T__				m__	
MOF	0.33	307.4	P*	12:31:43.020						T__				md__	
BALST	0.34	160.0	Pg	12:31:43.056	0.0					___				m_e ML	2.0
BALST	0.34	160.0	Sg	12:31:47.832	-0.1					___				m_e	
FELD	0.39	54.8	P*	12:31:44.090						T__				mc__	
FELD	0.39	54.8	PmP	12:31:44.700	-1.2					T__				m__	
KIZ	0.40	40.7	P*	12:31:44.150						T__				mc__ ML	1.8
KIZ	0.40	40.7	S*	12:31:49.880						T__				m__	
SULZ	0.41	106.9	P*	12:31:44.420						T__				md__ ML	1.9
SULZ	0.41	106.9	S*	12:31:50.420						T__				m__	
SULZ	0.41	106.9	SmS	12:31:51.890	-1.4					T__				m__	
LIBD	0.50	5.9	P*	12:31:46.190						T__				m__	
LIBD	0.50	5.9	S*	12:31:53.570						T__				m__	
LOMF	0.56	237.8	P*	12:31:47.060						T__				m__	
LOMF	0.56	237.8	PmP	12:31:47.180	-1.2					T__				m__	
ECH	0.62	336.6	P*	12:31:47.950						T__				m__ ML	2.2
ECH	0.62	336.6	S*	12:31:56.150						T__				m__	
SLE	0.66	79.6	P	12:31:48.500						T__				md__ ML	2.3
SLE	0.66	79.6	PmP	12:31:48.700	-1.3					T__				m__	
SLE	0.66	79.6	S	12:31:57.550						T__				m__	
BFO	0.87	38.1	P	12:31:50.900						T__				mc__ ML	2.0
BFO	0.87	38.1	PmP	12:31:52.190	-1.3					T__				m__	
BFO	0.87	38.1	Sg	12:32:03.700	-0.3					T__				m__	
OPP	0.95	27.3	P	12:31:52.030						T__				mc__ ML	2.1
OPP	0.95	27.3	Sg	12:32:06.280	-0.4					T__				m__	
SPAK	0.96	61.4	Pg	12:31:54.250	0.0					___				m__	
WILA	0.96	103.7	Pg	12:31:54.730	0.4					___				m__ ML	2.5
WILA	0.96	103.7	S	12:32:05.770						T__				m__	
WILA	0.96	103.7	Sg	12:32:07.430	0.5					___				m__	
SISB	0.97	87.4	Pg	12:31:54.700	0.3					___				m__ ML	2.4
SISB	0.97	87.4	Sg	12:32:07.500	0.3					___				m__	
GUT	1.15	67.9	P	12:31:55.010						T__				m__ ML	1.9
GUT	1.15	67.9	Sg	12:32:12.180	-0.5					T__				m__	
BUCH	1.46	56.1	P	12:31:59.140						___				m__ ML	2.1

Event 515001 Switzerland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/15	05:09:43.90			46.2000	7.7000				6.0							m i uk	SED	515011
2010/05/15	05:09:44.03	0.65	0.93	46.1540	7.5620	7.8	6.7	065	5.0f		29	13	309	1.19	5.36	m i ke	BGR	515001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.4		SED	515011
ML	3.7	0.3	8 BGR	515001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	1.19	4.4	Pg	05:10:06.921	0.5					T__	120.7			m_e	ML 3.7
BALST	1.19	4.4	Sg	05:10:22.837	1.1					T__	6.0			m_e	
SULZ	1.43	15.1	Pn	05:10:10.056	0.2					T__	5.7			m_e	ML 4.1
SULZ	1.43	15.1	Pg	05:10:11.581	0.7					T__	102.7			m_e	
SULZ	1.43	15.1	Sn	05:10:28.636	0.5					T__	1.0			m_e	
SULZ	1.43	15.1	Sg	05:10:30.285	0.9					T__	10.4			m_e	
PLONS	1.54	53.7	Pn	05:10:10.811	-0.5					T__	2.4			m_e	ML 3.3
PLONS	1.54	53.7	Sn	05:10:30.711	-0.0					T__	1.4			m_e	
PLONS	1.54	53.7	Sg	05:10:34.712	1.8					T__	3.5			m_e	
WILA	1.56	35.7	Pn	05:10:12.257	0.6					T__	4.8			m_e	ML 4.1
WILA	1.56	35.7	Pg	05:10:12.985	-0.5					T__	245.3			m_e	
WILA	1.56	35.7	Sg	05:10:33.048	-0.6					T__	13.3			m_e	
SLE	1.73	21.2	Pn	05:10:13.778	-0.2					T__	13.4			m_e	ML 4.0
SLE	1.73	21.2	Pg	05:10:16.465	-0.2					T__	228.2			m_e	
SLE	1.73	21.2	Sn	05:10:35.406	0.1					T__	3.2			m_e	
SLE	1.73	21.2	Sg	05:10:38.734	-0.4					T__	3.4			m_e	
BFO	2.24	13.2	Pn	05:10:20.460	-0.4					T__	12.1			m_e	ML 3.3
BFO	2.24	13.2	Pg	05:10:26.008	-0.2					T__	6.5			m_e	
BFO	2.24	13.2	Sn	05:10:46.378	-0.8					T__	2.1			m_e	
BFO	2.24	13.2	Sg	05:10:53.830	-1.3					T__	1.5			m_e	
TNS	4.11	7.9	Pn	05:10:46.777	0.5					T__	6.5			m_e	
TNS	4.11	7.9	Pg	05:11:02.130	0.6					T__	1.4			m_e	
WET	4.66	48.2	Sn	05:11:43.951	-0.3					T__	1.7			m_e	ML 3.7
MANZ	4.89	36.7	Pg	05:11:15.746	-0.4					T__	5.1			m_e	
GEC2	4.94	54.8	Pn	05:10:58.680	1.2					T__	6.7			m_e	ML 3.5
GEC2	4.94	54.8	Sn	05:11:51.480	0.7					T__	3.2			m_e	
WERN	5.23	36.0	Pg	05:11:20.707	-1.9					T__	6.5			m_e	
GUNZ	5.27	35.3	Pg	05:11:21.767	-1.6					T__	5.0			m_e	
TANN	5.36	35.6	Pg	05:11:23.111	-2.0					T__	5.8			m_e	

Event 515005 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
2010/05/15	15:59:54.30	0.54	0.21	51.6740	7.6260				1.0f			8	304	0.53	1.51	m i ki	BNS	515025
2010/05/15	15:59:55.44	0.41	0.67	51.5950	7.7420	7.8	4.4	102	1.0f		8	4	161	0.33	1.44	m i ki	BGR	515015
2010/05/15	15:59:53.70			51.6350	7.6790				1.0f				191	0.13	0.32	m i ki	BUG	515005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	515025
ML	2.0	0.1	4 BGR	515015
ML	1.7		BUG	515005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.13	40.9	Pg	15:59:57.700	1.5					T__				m__	ML 1.7
BAHL	0.13	40.9	Sg	16:00:00.800	2.8					T__				m__	
BUG	0.32	232.8	Pg	16:00:00.700	1.0					TA__				m_e	ML 1.7
BUG	0.32	232.8	Sg	16:00:05.900	2.0					TA__				m__	
LAUG	0.54	238.5	Sg	16:00:12.090	1.3					---				m_e	
IBBN	0.67	4.2	Pg	16:00:09.107	2.7					---	6.7			m_e	ML 2.0

IBBN	0.67	4.2	Sg	16:00:18.505	3.4	---	3.0												m_e
HOBG	0.69	198.5	Pg	16:00:07.850	1.2	---													m_e
BNS	0.74	205.3	Pg	16:00:09.250	1.6	---													m_e
AHRW	1.16	199.3	Pg	16:00:16.870	1.4	---	4.1												m_e ML 2.0
AHRW	1.16	199.3	Sg	16:00:32.900	2.4	---	5.6												m_e
STB	1.17	207.2	Pg	16:00:16.210	0.5	---													m_e
STB	1.17	207.2	Sg	16:00:32.460	1.7	---						26.2	0.53						m_e
KOE	1.21	178.4	Pg	16:00:16.830	0.3	---													m_e
KLL	1.31	221.5	Pg	16:00:17.950	-0.4	---													m_e
DREG	1.33	223.6	Pg	16:00:18.700	-0.1	---													m_e
BGG	1.45	188.7	Pg	16:00:20.200	-0.7	---													m_e
HILG	1.48	205.5	Pg	16:00:21.070	-0.6	---													m_e
TNS	1.49	160.8	Pn	16:00:21.292	0.4	---	3.0												m_e ML 1.9
TNS	1.49	160.8	Sn	16:00:40.261	0.1	---													m_e

Event	515006	Poland																		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID		
2010/05/15	22:48:41.10	0.75	0.41	51.5090	16.0400				10.0f			7	348	5.34	6.21	m i ke	BNS	515016		
2010/05/15	22:48:39.66	0.54	0.57	51.5610	16.0990	5.6	4.4	154	1.0f		20	13	267	1.52	3.17	m i ki	BGR	515006		
#PRIME)																				

Magnitude	Err	Nsta	Author	OrigID
ML	3.4		BNS	515016
ML	3.6	0.3	12 BGR	515006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.52	243.9	Pn	22:49:07.472	0.3					T_	84.5			m_e ML	3.5
BRG	1.52	243.9	Sg	22:49:27.932	0.1					---				m_e	
RUE	1.70	303.6	Pn	22:49:08.485	-1.1					T_	7.8			m_e ML	3.6
RUE	1.70	303.6	Sg	22:49:34.172	0.7					T_	5.3			m_e	
FBE	1.83	250.7	Pn	22:49:13.159	1.7					T_	4.7			m_e ML	2.7
FBE	1.83	250.7	Sg	22:49:37.976	0.1					T_	3.3			m_e	
CLL	1.95	263.7	Pn	22:49:11.880	-1.1					T_	27.5			m_e ML	3.4
CLL	1.95	263.7	Sg	22:49:41.371	-0.1					T_	3.0			m_e	
TANN	2.56	244.8	Pn	22:49:21.199	-0.1					T_	14.2			m_e ML	3.8
TANN	2.56	244.8	Sg	22:50:01.095	0.1					T_	4.6			m_e	
WERD	2.63	246.5	Pn	22:49:22.243	-0.1					T_	1.9			m_e ML	3.6
GUNZ	2.66	244.7	Pn	22:49:22.505	-0.1					T_	8.3			m_e ML	3.9
GUNZ	2.66	244.7	Sg	22:50:04.479	0.4					T_	6.3			m_e	
WERN	2.67	243.0	Pn	22:49:22.757	-0.0					T_	13.1			m_e ML	3.8
WERN	2.67	243.0	Sg	22:50:04.795	0.3					T_	6.0			m_e	
PLN	2.70	248.1	Pn	22:49:22.940	-0.3					T_	9.4			m_e ML	3.7
PLN	2.70	248.1	Sg	22:50:05.347	-0.1					T_	7.0			m_e	
NEUB	2.72	264.2	Sg	22:50:07.143	1.0					T_	4.2			m_e ML	4.2
MANZ	2.97	239.6	Sg	22:50:13.838	-0.3					T_	4.3			m_e ML	3.8
GEC2	3.12	210.4	Pn	22:49:28.906	0.0					T_	16.2			m_e	
WET	3.17	221.6	Pn	22:49:29.731	0.1					T_	19.4			m_e ML	3.6
KOE	5.38	261.1	Pn	22:49:59.100	-0.5					---				m_e	
BGG	5.69	259.7	Pn	22:50:04.300	0.6					---				m_e	
LAUG	5.70	271.5	Pn	22:50:04.300	0.3					---				m_e	
STB	5.89	264.2	Pn	22:50:07.300	0.8					---				m_e	

HILG	6.07	261.6	Pn	22:50:10.000	1.1	---	m_e
KLL	6.21	265.4	Pn	22:50:11.500	0.7	---	m_e
DREG	6.25	265.6	Pn	22:50:11.700	0.3	---	m_e
DREG	6.25	265.6	Sn	22:51:21.000	3.0	---	m_e

Event 516005 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
2010/05/16	10:17:16.30	0.70	0.41	51.6980	7.6190				1.0f			9	306	0.54	1.53	m i ki	BNS	516025
2010/05/16	10:17:17.56	0.42	0.68	51.5960	7.7480	8.9	4.4	104	1.0f		8	4	162	0.34	1.44	m i ki	BGR	516015
2010/05/16	10:17:16.00			51.6380	7.6720				1.0f				188	0.14	0.32	m i ki	BUG	516005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	516025
ML	2.1	0.1	3 BGR	516015
ML	1.9		BUG	516005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	43.1	Pg	10:17:20.100	1.5					T_				m__ ML	1.7
BAHL	0.14	43.1	Sg	10:17:23.100	2.8					T_				m__	
BUG	0.32	231.9	Pg	10:17:23.000	1.0					TA_				mde ML	1.9
BUG	0.32	231.9	Sg	10:17:28.100	2.0					TA_				m__	
LAUG	0.54	237.9	Pg	10:17:26.510	0.4					---				m_e	
IBBN	0.67	4.5	Pg	10:17:30.569	1.9					---	4.3			m_e ML	2.1
IBBN	0.67	4.5	Sg	10:17:40.995	3.7					---	3.0			m_e	
HOBG	0.69	198.0	Pg	10:17:29.760	0.8					---				m_e	
BNS	0.74	204.9	Pg	10:17:31.290	1.3					---				m_e	
AHRW	1.16	199.1	Pg	10:17:39.050	1.2					---	9.1			m_e ML	2.1
AHRW	1.16	199.1	Sg	10:17:55.040	2.2					---	4.0			m_e	
STB	1.17	206.9	Pg	10:17:38.610	0.6					---				m_e	
STB	1.17	206.9	Sg	10:17:55.330	2.2					---		33.4	0.32	m_e	
KOE	1.21	178.2	Pg	10:17:39.340	0.5					---				m_e	
KLL	1.31	221.3	Pg	10:17:40.600	-0.1					---				m_e	
DREG	1.33	223.4	Pg	10:17:40.690	-0.3					---				m_e	
BGG	1.45	188.5	Pg	10:17:43.130	-0.2					---				m_e	
HILG	1.48	205.3	Pg	10:17:43.850	-0.1					---				m_e	
TNS	1.50	160.7	Pn	10:17:43.687	0.4					---				m_e	
TNS	1.50	160.7	Pg	10:17:44.380	0.2					---	7.8			m_e	

Event 520001 Balingen/Swabian Jura

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/20	06:54:00.39	0.53	0.31	48.1695	8.8533	3.0	2.7	145	10.1	1.7	15	3	061			m i uk	ZAMG	520011
2010/05/20	06:53:59.19	0.90	0.82	48.2670	8.8650	10.0	4.4	049	0.0f		12	7	244	0.36	1.27	m i km	BGR	520001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	3 ZAMG	520011
ML	1.9	0.2	7 BGR	520001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	0.36	280.2	Pg	06:54:05.901	-0.1					T__				m_e	ML 1.7
BFO	0.36	280.2	Sg	06:54:11.406	0.7					T__				m_e	
SLE	0.56	206.5	Pg	06:54:08.803	-0.9					T__				m_e	ML 1.8
SLE	0.56	206.5	Sg	06:54:15.698	-1.3					T__				m_e	
WILA	0.85	178.1	Pg	06:54:15.880	0.6					T__				m_e	ML 2.3
WILA	0.85	178.1	Sg	06:54:27.747	1.5					T__				m_e	
SULZ	0.89	214.6	Sg	06:54:28.230	0.6					T__				m_e	ML 2.2
ECH	1.14	268.1	Pg	06:54:19.776	-0.9					T__				m_e	ML 1.9
ECH	1.14	268.1	Sg	06:54:36.198	0.9					T__				m_e	
BALST	1.22	220.6	Pg	06:54:21.636	-0.5					T__				m_e	ML 2.0
BALST	1.22	220.6	Sg	06:54:37.743	-0.1					T__				m_e	
PLONS	1.27	163.9	Sg	06:54:39.345	-0.1					T__				m_e	ML 1.6

Event 521015 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
2010/05/21	14:41:02.80	0.77	0.31	51.6270	7.5520				1.0	11.2		7	300	0.47	1.44	m i ki	BNS	521045
2010/05/21	14:41:01.70	0.29	0.11	51.6120	7.6820				0.8	27.5		7	323			m i ki	GDNRW	521035
2010/05/21	14:41:02.45	0.41	0.94	51.6520	7.6460	8.9	4.4	143	1.0f		12	9	138	0.32	3.35	m i ki	BGR	521025
2010/05/21	14:41:01.10			51.6320	7.6840				1.0f				194	0.14	0.32	m i ki	BUG	521015

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BNS	521045
ML	2.3		GDNRW	521035
ML	2.4	0.1	7 BGR	521025
ML	2.1		BUG	521015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	39.1	Pg	14:41:05.200	1.5					T__				m__	ML 2.0
BAHL	0.14	39.1	Sg	14:41:08.300	2.9					T__				m__	
BUG	0.32	233.6	Pg	14:41:08.200	1.0					TA_				mde	ML 2.1
BUG	0.32	233.6	Sg	14:41:13.300	2.0					TA_				m__	
ENTS	0.43	203.7	Pg	14:41:10.211	1.1					---				m_e	
ENTS	0.43	203.7	Sg	14:41:15.911	1.3					---				m_e	
LAUG	0.54	238.9	Pg	14:41:11.850	0.6					---				m_e	
IBBN	0.68	3.9	Pg	14:41:15.953	2.1					---				m_e	ML 2.3
HOBG	0.68	198.8	Pg	14:41:15.770	1.8					---				m_e	
PLH	0.83	221.0	Pg	14:41:17.370	0.7					---				m_e	
PLH	0.83	221.0	Sg	14:41:28.789	1.4					---		164.3	0.22	m_e	
WBS	0.86	197.1	Sg	14:41:29.651	1.1					---		39.5	0.17	m_e	
JCK	0.98	233.2	Sg	14:41:33.669	1.3					---		451.5	0.21	m_e	
TDN	1.15	204.0	Pg	14:41:23.829	1.0					---				m_e	
TDN	1.15	204.0	Sg	14:41:39.073	1.3					---		69.3	0.21	m_e	
AHRW	1.16	199.5	Pg	14:41:24.220	1.3					---				m_e	ML 2.4
AHRW	1.16	199.5	Sg	14:41:40.198	2.4					---				m_e	
STB	1.17	207.4	Pg	14:41:23.800	0.7					---				m_e	
STB	1.17	207.4	Sg	14:41:39.590	1.5					---		50.0	0.74	m_e	
KOE	1.21	178.6	Pg	14:41:24.850	1.0					---				m_e	
GSH	1.21	222.9	Sg	14:41:40.899	1.3					---		22.7	0.14	m_e	

KLL	1.31	221.7	Pg	14:41:26.170	0.4	---	m_e		
DREG	1.33	223.8	Pg	14:41:26.300	0.1	---	m_e		
OLFT	1.39	215.4	Pg	14:41:27.389	0.1	---	m_e		
OLFT	1.39	215.4	Sg	14:41:45.764	0.6	---	m_e		
GTTG	1.42	92.6	Pg	14:41:29.451	1.6	---	m_e ML	2.6	
GTTG	1.42	92.6	Sg	14:41:50.306	4.1	---	m_e		
HILG	1.48	205.7	Pg	14:41:29.190	0.2	---	m_e		
TNS	1.49	160.9	Pn	14:41:28.788	0.5	---	m_e ML	2.5	
UBBA	1.66	118.4	Pn	14:41:33.104	2.5	---	m_e ML	2.3	
CLZ	1.68	81.8	Pg	14:41:33.709	1.0	---	m_e ML	2.5	
FLT1	2.30	70.9	Pg	14:41:44.652	0.3	---	m_e ML	2.4	
BFO	3.33	172.6	Pn	14:41:54.093	0.9	---	m_e		

Event 522006 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
2010/05/22	10:53:22.70	0.34	0.11	51.5980	7.5820				1.0f				6 297	0.47	1.26	m i ki	BNS	522026
2010/05/22	10:53:21.98	0.54	0.90	51.6330	7.6730	7.8	6.7	108	1.0f		9	5	157	0.32	1.49	m i ki	BGR	522016
2010/05/22	10:53:20.80			51.6290	7.6890				1.0f				197	0.14	0.32	m i ki	BUG	522006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		BNS	522026
ML	2.0	0.1	4 BGR	522016
ML	1.7		BUG	522006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.14	37.3	Pg	10:53:24.900	1.5					T_				m ML	1.5
BAHL	0.14	37.3	Sg	10:53:28.100	3.0					T_				m	
BUG	0.32	234.3	Pg	10:53:27.900	1.0					TA_				m_e ML	1.7
BUG	0.32	234.3	Sg	10:53:33.000	2.0					TA_				m	
LAUG	0.54	239.4	Pg	10:53:31.680	0.7					---				m_e	
IBBN	0.68	3.6	Pg	10:53:35.544	2.0					---				m_e ML	1.9
HOBG	0.68	199.1	Pg	10:53:34.880	1.2					---				m_e	
AHRW	1.15	199.7	Pg	10:53:43.857	1.3					---				m_e ML	1.9
AHRW	1.15	199.7	Sg	10:53:59.781	2.3					---				m_e	
STB	1.16	207.6	Pg	10:53:43.540	0.8					---				m_e	
STB	1.16	207.6	Sg	10:53:58.610	0.8					---		34.0	0.41	m_e	
KOE	1.20	178.7	Pg	10:53:44.340	0.8					---				m_e	
KLL	1.31	221.9	Pg	10:53:45.410	-0.0					---				m_e	
DREG	1.33	224.0	Pg	10:53:45.940	0.1					---				m_e	
HGN	1.40	232.5	Pg	10:53:47.152	-0.0					---				m_e	
HGN	1.40	232.5	Sg	10:54:05.835	0.6					---				m_e	
TNS	1.49	160.9	Pg	10:53:48.481	-0.3					---				m_e ML	2.0
TNS	1.49	160.9	Sg	10:54:10.157	2.2					---				m_e	

Event 523004 Neustadt/Southern Black Forest, SE of Freiburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/23	15:58:23.13	0.32	0.19	47.8725	8.1475	2.2	1.7	051	8.9	1.3	19	3	078			m i uk	ZAMG	523044

2010/05/23 15:58:23.90			47.9400	8.1700				15.0						m i uk SED	523034
2010/05/23 15:58:23.90	0.04	0.58	47.9699	8.1756	1.0	0.8	150	13.0f		74	21	047		m i ke LDG	523024
2010/05/23 15:58:23.77	0.22	0.44	47.9800	8.1850	2.2	2.2	091	10.0f		24	12	083	0.30	2.63 m i ke BGR	523014
2010/05/23 15:58:23.79	0.07	0.18	47.9630	8.1770	0.7	0.7	022	13.0	2.0	49	24	050	0.14	2.27 m i ke LED	523004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	3 ZAMG	523044
ML	2.4		SED	523034
MD	2.7	0.2	3 LDG	523024
ML	2.9	0.4	25 LDG	523024
ML	2.6	0.3	9 BGR	523014
ML	2.7	0.1	22 LED	523004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FELD	0.14	233.3	P*	15:58:27.590						T__				mci	
KIZ	0.17	267.8	P*	15:58:27.970						T__				mci ML	3.0
KIZ	0.17	267.8	S*	15:58:30.750						T__				m_i	
FBB	0.22	280.2	P*	15:58:28.780						T__				mci	
FBB	0.22	280.2	S*	15:58:31.790						T__				m__	
SLE	0.29	132.7	P*	15:58:29.730						T__				mci ML	2.5
SLE	0.29	132.7	S*	15:58:33.740						T__				m_i	
BFO	0.38	15.4	P*	15:58:31.430						T__				mdi ML	2.7
BFO	0.38	15.4	S*	15:58:36.530						T__				m__	
LIBD	0.43	296.3	P*	15:58:32.680						T__				m__	
SPAK	0.43	70.9	P*	15:58:32.420						T__				mci	
SULZ	0.44	185.7	P*	15:58:32.390						T__				mdi ML	2.4
SULZ	0.44	185.7	PmP	15:58:33.830	-1.4					T__				m__	
SULZ	0.44	185.7	S*	15:58:38.440						T__				m__	
SULZ	0.44	185.7	SmS	15:58:40.950	-2.1					T__				m__	
OPP	0.53	0.7	P*	15:58:34.110						T__				mdi ML	2.7
OPP	0.53	0.7	S*	15:58:41.200						T__				m__	
OPP	0.53	0.7	SmS	15:58:43.160	-2.3					T__				m__	
SISB	0.60	117.3	P*	15:58:35.490						T__				mci ML	2.7
SISB	0.60	117.3	S*	15:58:43.540						T__				m__	
SISB	0.60	117.3	SmS	15:58:44.750	-2.3					T__				m__	
GUT	0.64	79.9	P*	15:58:36.080						T__				mci ML	2.7
GUT	0.64	79.9	S*	15:58:44.740						T__				m__	
GUT	0.64	79.9	SmS	15:58:46.110	-2.0					T__				m__	
BBS	0.67	222.3	P*	15:58:36.790						T__				mce	
BALST	0.71	207.6	Pg	15:58:37.396	0.1					---				m_e ML	3.0
BALST	0.71	207.6	Sg	15:58:46.969	0.4					---				m_e	
MOF	0.71	261.3	P*	15:58:37.540						T__				mce	
ECH	0.73	290.8	P*	15:58:37.500						T__				m__ ML	2.7
ECH	0.73	290.8	S*	15:58:47.100						T__				m_i	
WILA	0.74	137.8	P*	15:58:38.060						T__				mde ML	2.6
WILA	0.74	137.8	S*	15:58:47.820						T__				m__	
LBG	0.81	30.2	Pn	15:58:38.780	-1.6					T__				m__ ML	2.6
LBG	0.81	30.2	Pg	15:58:39.310	0.0					T__				md__	
LBG	0.81	30.2	Sg	15:58:49.700	-0.2					T__				m__	
TUBL	0.82	46.8	Pg	15:58:39.960	0.5					T__				m__ ML	2.7
BUCH	0.92	57.7	Pn	15:58:40.560	-1.3					T__				mci ML	2.7
BUCH	0.92	57.7	Pg	15:58:41.520	0.2					T__				m__	
BUCH	0.92	57.7	Sg	15:58:53.790	0.5					T__				m__	

GUT	0.31	20.7	P*	12:32:55.440		T__	mci	ML	3.0
SPAK	0.34	341.3	P*	12:32:56.220		T__	mdi		
SPAK	0.34	341.3	S*	12:33:01.100		__	m__		
WILA	0.37	184.5	P*	12:32:56.490		T__	mdi	ML	3.1
WILA	0.37	184.5	S*	12:33:01.830		T__	m_i		
SULZ	0.62	246.4	P*	12:33:01.180		T__	mci	ML	2.6
SULZ	0.62	246.4	S*	12:33:09.800		T__	m__		
SULZ	0.62	246.4	SmS	12:33:12.600	-1.4	T__	m_i		
FELD	0.64	279.1	P*	12:33:01.670		T__	mci		
BFO	0.69	323.3	P*	12:33:02.490		T__	mdi	ML	2.9
BFO	0.69	323.3	PmP	12:33:03.780	-1.3	T__	m__		
BFO	0.69	323.3	S*	12:33:11.430		T__	m__		
BFO	0.69	323.3	SmS	12:33:14.050	-1.8	T__	m__		
KIZ	0.71	284.7	P*	12:33:02.890		T__	mci	ML	3.4
KIZ	0.71	284.7	S*	12:33:12.660		T__	m__		
KIZ	0.71	284.7	SmS	12:33:14.680	-1.8	T__	m__		
BUCH	0.72	21.7	P*	12:33:03.090		T__	m__	ML	3.3
BUCH	0.72	21.7	S*	12:33:13.100		T__	m__		
BUCH	0.72	21.7	SmS	12:33:15.740	-1.0	T__	m_i		
TUBL	0.75	6.7	P*	12:33:03.740		T__	m__	ML	3.3
TUBL	0.75	6.7	S*	12:33:13.700		T__	m__		
TUBL	0.75	6.7	SmS	12:33:15.980	-1.4	T__	m__		
FBB	0.77	287.2	P*	12:33:04.740		T__	m__		
UBR	0.79	96.8	P*	12:33:04.500		T__	mci	ML	2.7
UBR	0.79	96.8	S*	12:33:15.260		T__	m__		
UBR	0.79	96.8	SmS	12:33:17.780	-0.6	T__	m__		
PLONS	0.79	158.1	Pg	12:33:04.322	0.1	__	m_e	ML	2.4
PLONS	0.79	158.1	Sg	12:33:15.048	0.6	__	m_e		
OPP	0.88	324.9	P*	12:33:05.930		T__	mdi	ML	2.5
OPP	0.88	324.9	PmP	12:33:06.590	-1.6	T__	mci		
OPP	0.88	324.9	S*	12:33:17.960		T__	m__		
LBG	0.89	353.4	P*	12:33:06.140		T__	mdi	ML	2.8
LBG	0.89	353.4	S*	12:33:17.970		T__	m__		
BALST	0.96	242.9	Pg	12:33:07.298	-0.1	__	m_e	ML	2.8
BALST	0.96	242.9	Sg	12:33:20.313	0.5	__	m_e		
LIBD	0.98	292.9	Pg	12:33:08.700	0.9	T__	mci		
OBER	0.98	111.8	Pg	12:33:08.880	1.0	__	m__	ML	3.1
STU	1.00	9.2	Sg	12:33:21.458	0.1	__	m_e		
BBS	1.02	252.6	Pn	12:33:08.330	-1.0	T__	m__		
BBS	1.02	252.6	Pg	12:33:08.930	0.3	T__	m__		
HDH	1.16	45.7	Pn	12:33:09.860	-1.4	T__	mce	ML	3.0
HDH	1.16	45.7	Pg	12:33:11.410	0.1	T__	m_i		
MOF	1.22	274.1	Pg	12:33:12.940	0.5	T__	m__		
ECH	1.28	290.7	Sg	12:33:30.050	0.1	T__	m__		
LANF	1.42	328.1	Pg	12:33:16.670	0.5	__	m__		
LOMF	1.49	254.1	Pg	12:33:17.640	0.1	__	m__		
LDAU	1.51	339.1	Pg	12:33:18.850	1.1	__	m__	ML	2.9
FUR	1.60	75.3	Pg	12:33:19.438	-0.2	__	m_e	ML	2.8
FUR	1.60	75.3	Sg	12:33:41.020	0.7	__	m_e		
SIND	1.63	15.2	Pg	12:33:20.050	-0.0	__	m__	ML	3.0
SIND	1.63	15.2	Sn	12:33:36.500	-1.2	__	m__		
SWS	1.71	354.6	Pn	12:33:17.660	-1.1	__	m__	ML	2.9
SWS	1.71	354.6	Pg	12:33:21.710	0.0	__	m__		
TOD	1.83	357.0	Pg	12:33:23.950	0.1	__	m__		

WTTA	1.89	104.9	Sg	12:33:49.431	0.1	---	m_e	ML	2.6
THEF	2.03	283.9	Pg	12:33:27.600	-0.0	---	m_		
RUP	2.29	327.7	Pg	12:33:32.680	0.1	---	m_		
ABH	2.30	336.8	Pg	12:33:32.920	0.3	---	m_		
GRA1	2.43	37.2	Pg	12:33:34.772	-0.4	---	m_e	ML	3.2
GRA1	2.43	37.2	Sg	12:34:05.105	-1.5	---	m_e		
TNS	2.47	352.5	P	12:33:28.810		---	m_	ML	2.2
TNS	2.47	352.5	Pn	12:33:28.469	-0.5	---	m_e		
TNS	2.47	352.5	Sg	12:34:08.078	0.3	---	m_e		
WLF	2.64	316.7	Pg	12:33:39.000	-0.1	---	m_	ML	2.3
WLF	2.64	316.7	Sg	12:34:12.025	-1.2	---	m_e		
KBA	3.05	101.6	Pn	12:33:39.184	2.3	---	m_e		
KBA	3.05	101.6	Pg	12:33:46.821	-0.1	---	m_e		

Event 527009 Grafing, SE of Munich

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/05/27	16:24:31.27	0.13	0.24	48.0837	11.6732	1.1	0.6	139	8.1	1.2	29	9	026			m i uk	ZAMG	527019
2010/05/27	16:24:32.38	0.23	0.57	48.0690	11.6720	2.2	2.2	089	3.0f		30	18	060	0.28	2.27	m i ki	BGR	527009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	12 ZAMG	527019
ML	1.9	0.2	16 BGR	527009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.28	289.7	Pg	16:24:37.986	0.3					T_				m_e	ML 2.1
WTTA	0.81	181.7	Pg	16:24:47.373	-0.2					T_				m_e	
GRC3	0.82	356.1	Pg	16:24:48.247	0.3					T_				m_e	ML 2.2
GRC1	0.93	353.9	Pg	16:24:50.399	0.4					T_				m_e	ML 1.9
GRC4	1.02	354.6	Pg	16:24:52.055	0.4					T_				m_e	ML 1.8
GRC4	1.02	354.6	Sg	16:25:06.212	1.3					T_				m_e	
GRB5	1.04	0.2	Pg	16:24:52.200	0.2					T_				m_e	ML 1.8
GRB5	1.04	0.2	Sg	16:25:05.848	0.3					T_				m_e	
WET	1.34	36.1	Pg	16:24:57.761	0.1					T_				m_e	ML 2.2
WET	1.34	36.1	Sg	16:25:15.182	0.3					T_				m_e	
DAVA	1.44	237.7	Pg	16:24:59.518	0.0					T_				m_e	ML 1.8
DAVA	1.44	237.7	Sg	16:25:18.852	0.8					T_				m_e	
KBA	1.50	130.7	Pg	16:25:01.012	0.3					T_				m_e	ML 1.7
KBA	1.50	130.7	Sg	16:25:20.210	0.1					T_				m_e	
GEC2	1.55	59.3	Pg	16:25:01.349	-0.3					T_				m_e	
GRA2	1.60	352.7	Pg	16:25:02.311	-0.2					T_				m_e	ML 1.9
GRA2	1.60	352.7	Sg	16:25:23.871	0.7					T_				m_e	
GRA1	1.65	349.8	Pg	16:25:03.355	-0.1					T_				m_e	ML 2.0
GRA1	1.65	349.8	Sg	16:25:25.787	1.0					T_				m_e	
GRA3	1.71	352.3	Pg	16:25:04.154	-0.4					T_				m_e	ML 2.0
GRA3	1.71	352.3	Sg	16:25:26.808	0.1					T_				m_e	
ROTZ	1.73	11.5	Pg	16:25:04.449	-0.6					T_				m_e	ML 1.9
ROTZ	1.73	11.5	Sg	16:25:26.966	-0.5					T_				m_e	
MOA	1.75	96.2	Pg	16:25:04.830	-0.6					T_				m_e	ML 1.8
MOA	1.75	96.2	Sg	16:25:28.947	0.9					T_				m_e	
MANZ	1.94	8.3	Pg	16:25:08.697	-0.2					T_				m_e	ML 1.8

MANZ	1.94	8.3	Sg	16:25:33.154	-0.8														T__	m_e		
BFO	2.24	277.9	Pg	16:25:14.482	-0.2														T__	m_e ML	2.1	
BFO	2.24	277.9	Sg	16:25:42.845	-0.8														T__	m_e		
WERN	2.27	11.5	Sg	16:25:43.082	-1.3														T__	m_e ML	2.1	

Event 531003 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
2010/05/31	18:35:46.50	0.72	0.31	51.6560	7.5730				1.0f			7	303	0.50	1.48	m i ki	BNS	531023
2010/05/31	18:35:46.40	0.47	0.76	51.6100	7.7780	7.8	5.6	123	1.0f		7	5	117	0.36	1.62	m i ki	BGR	531013
2010/05/31	18:35:45.30			51.6040	7.7120				1.0f				212	0.15	0.32	m i ki	BUG	531003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BNS	531023
ML	2.1	0.1	5 BGR	531013
ML	1.9		BUG	531003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.15	27.1	Pg	18:35:49.400	1.3					T__				m__ ML	1.8
BAHL	0.15	27.1	Sg	18:35:52.400	2.3					T__				m__	
BUG	0.32	239.5	Pg	18:35:52.300	1.0					TA__				m_e ML	1.9
BUG	0.32	239.5	Sg	18:35:57.400	1.9					TA__				m__	
LAUG	0.54	242.4	Pg	18:35:55.920	0.4					---				m_e	
HOBG	0.66	201.0	Pg	18:35:59.860	2.0					---				m_e	
IBBN	0.70	2.3	Pg	18:36:00.066	1.5					---				m_e ML	2.1
AHRW	1.14	200.9	Pg	18:36:08.344	1.6					---				m_e ML	2.2
AHRW	1.14	200.9	Sg	18:36:24.626	3.2					---				m_e	
STB	1.15	208.8	Pg	18:36:07.750	0.8					---				m_e	
STB	1.15	208.8	Sg	18:36:23.930	2.1					---		59.2	0.61	m_e	
KOE	1.18	179.4	Pg	18:36:08.840	1.3					---				m_e	
KLL	1.30	223.1	Pg	18:36:10.200	0.4					---				m_e	
DREG	1.32	225.2	Pg	18:36:10.470	0.3					---				m_e	
TNS	1.46	161.2	Sg	18:36:31.804	0.2					---				m_e ML	2.1
HILG	1.46	206.8	Pg	18:36:13.330	0.4					---				m_e	
CLZ	1.66	80.8	Pg	18:36:17.044	0.4					---				m_e ML	2.1

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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