

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 80801001 Muehlhausen, Bleicherode

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/01	05:16:34.02	0.47	0.29	51.2730	10.6240	10.0	2.2	055	1.0f		13	9	169	0.49	1.44	m i ki	BGR	80801001

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	7 BGR	80801001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GTTG	0.49	303.8	Pg	05:16:43.511	0.2					T__	9.1			m_e ML	2.1
CLZ	0.59	344.7	Pg	05:16:45.142	0.0					T__	13.9			m_e ML	2.0
CLZ	0.59	344.7	Sg	05:16:52.785	0.0					T__	2.8			m_e	
NEUB	0.72	94.7	Pg	05:16:47.534	-0.1					T__	3.8			m_e	
ASSE	0.86	2.0	Pg	05:16:50.379	0.2					T__	6.8			m_e ML	2.0
MOX	0.89	134.8	Pg	05:16:50.984	0.3					T__	11.6			m_e ML	1.9
MOX	0.89	134.8	Sg	05:17:02.570	0.4					T__	5.8			m_e	
NRDL	1.26	345.6	Sg	05:17:14.264	0.1					T__	5.8			m_e	
WERD	1.34	127.2	Pg	05:16:59.056	-0.3					T__	21.3			m_e ML	2.3
WERD	1.34	127.2	Sg	05:17:17.188	0.4					T__	9.9			m_e	
GUNZ	1.41	129.5	Pg	05:17:00.091	-0.5					T__	2.4			m_e ML	2.0
GUNZ	1.41	129.5	Sg	05:17:19.208	0.4					T__	4.0			m_e	
TANN	1.44	125.8	Pn	05:17:00.099	-0.4					T__	14.0			m_e ML	2.1
CLL	1.49	87.7	Pg	05:17:01.000	-1.1					---				m_i ML	2.1
CLL	1.49	87.7	Sg	05:17:21.400	0.1					---				m_i	

Event 80804007 Freiburg i. Breisgau/Upper Rhine Graben

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/04	15:31:24.90	0.04	0.39	47.8397	7.6491	1.0	0.6	160	10.0	0.0	24	10	094			m i ke	LDG	80804037
2008/08/04	15:31:24.80			47.8300	7.6700				7.0							m i uk	SED	80804027
2008/08/04	15:31:25.17	0.42	0.16	47.8480	7.6700	10.0	5.6	134	5.0f		6	5	113	0.23	0.75	m i ke	BGR	80804017
2008/08/04	15:31:25.19	0.12	0.12	47.8420	7.6700	1.4	1.0	354	5.0f		20	10	121	0.20	1.28	m i ke	LED	80804007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.1	0.1	2 LDG	80804037
ML	2.2	0.3	10 LDG	80804037
ML	1.8		SED	80804027
ML	1.0	0.0	1 BGR	80804017
ML	1.6	0.1	7 LED	80804007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FBB	0.20	37.5	P*	15:31:29.710						T__				m__ ML	1.6
FBB	0.20	37.5	S*	15:31:32.830						T__				m__	
KIZ	0.20	55.4	P*	15:31:29.260						T__				mci ML	1.6
KIZ	0.20	55.4	S*	15:31:32.300						T__				m_i	
FELD	0.23	81.2	P*	15:31:29.820						T__				mci	
FELD	0.23	81.2	S*	15:31:33.140						T__				m__	
BBS	0.39	196.1	P*	15:31:32.740						T__				md__	
BBS	0.39	196.1	S*	15:31:38.120						T__				m__	

ECH	0.51	317.7	P*	15:31:34.940		T__													m__	
ECH	0.51	317.7	S*	15:31:41.510		T__													m__	
BFO	0.66	41.8	P*	15:31:37.580		T__													mce ML	1.5
BFO	0.66	41.8	S*	15:31:46.400		T__													m__	
LOMF	0.75	229.5	Pg	15:31:39.439	0.1	---				4.3									m_e	
SISB	0.88	99.7	P*	15:31:42.340		T__													m__ ML	1.9
SISB	0.88	99.7	S*	15:31:54.380		T__													m__	
GUT	0.99	76.2	P	15:31:43.920		T__													md_ ML	1.8
GUT	0.99	76.2	S	15:31:57.580		T__													m__	
LBG	1.11	41.9	Pg	15:31:46.190	0.0	T__													m__ ML	1.6
LBG	1.11	41.9	S	15:32:00.500		T__													m__	
THEF	1.19	289.6	Sg	15:32:02.900	0.0	---													m__	
BUCH	1.28	61.0	Pg	15:31:49.340	0.1	T__													m__ ML	1.5
BUCH	1.28	61.0	Sg	15:32:06.270	0.5	T__													m__	

Event 80805012 Dorsten, N of Bottrop

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/05	19:06:20.80	0.42	0.21	51.6100	6.9960				1.0f			5	311	0.66	1.27	m i ki	BNS	80805032
2008/08/05	19:06:19.90	0.72	0.58	51.6310	6.9310	8.9	5.6	110	1.0f		8	6	203	0.28	2.14	m i ki	BGR	80805022
2008/08/05	19:06:20.10			51.6060	6.9900				1.0f				212	0.08	0.24	m i ki	BUG	80805012

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		BNS	80805032
ML	2.0	0.2	4 BGR	80805022
ML	1.7		BUG	80805012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZERL	0.08	281.2	Pg	19:06:22.300	0.7					T__				m__ ML	0.9
ZERL	0.08	281.2	Sg	19:06:24.100	1.6					T__				m__	
BUG	0.24	133.5	Pg	19:06:25.600	1.0					TA_				m_e ML	1.7
BUG	0.24	133.5	Sg	19:06:29.700	2.0					TA_				m__	
HOBG	0.66	160.8	Sg	19:06:42.640	1.6					---				m_e	
IBBN	0.85	33.8	Pg	19:06:36.147	0.1					---	4.9			m_e ML	1.9
STB	1.02	185.4	Pg	19:06:39.990	0.7					---				m_e	
STB	1.02	185.4	Sg	19:06:54.480	2.1					---		14.9	0.39	m_e	
KLL	1.05	204.2	Pg	19:06:40.350	0.5					---				m_e	
DREG	1.06	207.0	Pg	19:06:40.960	1.0					---				m_e	
KOE	1.27	158.1	Pg	19:06:44.230	0.2					---				m_e	
TNS	1.66	145.8	Sg	19:07:13.463	0.6					---	2.9			m_e ML	2.2
WLF	2.01	195.6	Sg	19:07:24.276	0.2					---	2.0			m_e ML	1.8
CLZ	2.11	82.3	Pg	19:06:59.218	-0.6					---	2.2			m_e ML	2.0
CLZ	2.11	82.3	Sg	19:07:28.143	1.1					---	2.6			m_e	
NRDL	2.11	63.9	Pn	19:06:56.209	0.5					---	1.5			m_e	

Event 80805015 Balingen/Swabian Jura

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/05	19:23:08.14	0.39	0.15	48.3326	8.9883	2.9	2.2	088	8.6	1.4	12	2	334			m i uk	ZAMG	80805045

2008/08/05 19:23:07.50	0.06	0.47	48.3749	8.9975	1.3	1.0	140	12.6	0.7	22	8	090				m i ke LDG	80805035
2008/08/05 19:23:07.38	0.41	0.69	48.4220	9.0030	5.6	3.3	167	10.0f		13	10	160	0.46	3.13		m i ke BGR	80805025
2008/08/05 19:23:07.50	0.05	0.12	48.3790	8.9950	0.7	0.6	113	10.0f		22	12	090	0.16	1.35		m i ke LED	80805015

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	2 ZAMG	80805045
MD	2.4		1 LDG	80805035
ML	2.3	0.4	4 LDG	80805035
ML	2.0	0.1	7 BGR	80805025
ML	1.6	0.2	12 LED	80805015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TUBL	0.16	22.1	P*	19:23:11.180						T__				mci	ML 0.8
TUBL	0.16	22.1	S*	19:23:13.470						T__				m__	
BUCH	0.25	73.3	P*	19:23:12.640						T__				mci	ML 1.4
BUCH	0.25	73.3	S*	19:23:16.290						T__				m__	
SPAK	0.31	206.8	P*	19:23:13.860						T__				mci	
LBG	0.31	335.2	P*	19:23:13.840						T__				mdi	ML 1.7
LBG	0.31	335.2	S*	19:23:18.240						T__				m__	
GUT	0.32	165.4	P*	19:23:13.860						T__				mdi	ML 1.6
GUT	0.32	165.4	S*	19:23:18.270						T__				m__	
STU	0.41	18.4	S*	19:23:21.230						T__				m__	ML 1.5
BFO	0.44	263.9	P*	19:23:16.190						T__				mci	ML 1.3
BFO	0.44	263.9	S*	19:23:22.230						T__				m__	
BFO	0.44	263.9	SmS	19:23:25.580	-2.0					T__				m__	
SISB	0.69	181.7	P*	19:23:20.820						T__				m__	ML 1.7
SISB	0.69	181.7	S*	19:23:30.320						T__				m__	
SISB	0.69	181.7	SmS	19:23:32.400	-1.3					___				m__	
HDH	0.83	75.2	P*	19:23:23.260						T__				m__	ML 1.7
HDH	0.83	75.2	PmP	19:23:24.100	-1.2					___				m__	
HDH	0.83	75.2	S*	19:23:34.670						T__				m__	
FELD	0.83	233.1	P*	19:23:23.190						T__				m__	
FELD	0.83	233.1	PmP	19:23:24.020	-1.3					___				m__	
KIZ	0.83	239.9	P*	19:23:23.260						T__				mci	ML 1.7
KIZ	0.83	239.9	PmP	19:23:23.650	-1.7					___				m__	
KIZ	0.83	239.9	S*	19:23:34.160						___				m__	
LANF	0.99	307.9	Sg	19:23:39.990	0.9					___				m__	
UBR	1.02	132.8	Sg	19:23:41.710	1.7					___				m__	ML 1.9
SIND	1.05	22.3	P	19:23:27.340						___				md_	ML 2.1
SIND	1.05	22.3	Pg	19:23:27.650	0.3					T__				m__	
SIND	1.05	22.3	S	19:23:41.140						___				m__	
ECH	1.23	263.1	Pg	19:23:30.800	0.0					T__				m__	ML 1.1
ECH	1.23	263.1	PmP	19:23:32.150	-0.1					___				m__	
ECH	1.23	263.1	Sg	19:23:47.100	0.3					T__				m__	
BBS	1.35	228.0	Sg	19:23:51.130	0.6					___				m__	
FUR	1.53	97.3	Sg	19:23:56.782	0.5					___	1.9			m_e	ML 2.1
TNS	1.88	349.2	Sg	19:24:07.120	-0.1					___	1.5			m_e	ML 1.9
GRA1	1.96	47.2	Pg	19:23:44.467	-0.1					___	4.6			m_e	
GRA1	1.96	47.2	Sg	19:24:09.629	-0.3					___	3.8			m_e	
UBBA	2.53	14.6	Sg	19:24:25.417	-2.4					___	1.4			m_e	ML 1.9
WET	2.67	71.9	Sg	19:24:31.592	-0.8					___	1.4			m_e	ML 1.9
MOX	2.83	35.9	Sg	19:24:35.623	-1.9					___	1.5			m_e	ML 2.1
WERD	2.99	44.9	Sg	19:24:40.199	-2.2					___	2.6			m_e	ML 2.1



## Event 80806006 Mattighofen/A, NNE of Salzburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/06	18:16:34.10			48.1070	13.1820				10.0f							m i uk	NEIC	80806036
2008/08/06	18:16:33.90	0.08	0.32	48.1701	13.3476	2.2	1.7	049	10.0f		26	8	098			m i ke	LDG	80806026
2008/08/06	18:16:34.28	0.25	1.40	48.1163	13.1789	2.5	1.7	109	13.1	2.8	23	10	220			m i uk	ZAMG	80806016
2008/08/06	18:16:35.89	0.24	0.69	48.1340	13.2000	3.3	3.3	091	10.0f		20	15	086	0.77	3.74	m i ke	BGR	80806006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6		NEIC	80806036
ML	2.8	0.2	7 LDG	80806026
ML	2.7	0.2	10 ZAMG	80806016
ML	2.3	0.3	12 BGR	80806006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
RJOB	0.48	214.5	Pg	18:16:48.800	3.7									mci	ML	2.2
RJOB	0.48	214.5	Sg	18:16:57.900	6.5									mci		
BGLD	0.50	194.7	Pg	18:16:48.400	3.0									mci	ML	2.6
BGLD	0.50	194.7	Sg	18:16:57.100	5.1									mci		
RWMO	0.50	219.1	Pg	18:16:49.300	3.8									mci	ML	2.3
MOA	0.77	111.3	Pg	18:16:50.437	-0.0					T__				m_e	ML	2.4
MOA	0.77	111.3	Sg	18:16:59.980	-0.5					T__				m_e		
GEC2	0.78	24.9	Pg	18:16:51.905	1.1					T__				m_e	ML	2.9
GEC2	0.78	24.9	Sg	18:17:01.858	0.9					T__				m_e		
WET	1.03	348.2	Pg	18:16:55.731	0.3					T__				m_e	ML	2.3
WET	1.03	348.2	Sg	18:17:07.300	-1.5					T__				m_e		
KBA	1.06	174.7	Pg	18:16:55.801	-0.1					T__				m_e	ML	1.7
WTTA	1.37	231.0	Pn	18:17:00.693	0.4					T__				m_e		
WTTA	1.37	231.0	Sg	18:17:18.986	-0.4					T__				m_e		
OBKA	1.86	150.1	Pn	18:17:06.566	-0.5					T__				m_e	ML	2.1
GRA1	2.03	320.9	Pn	18:17:09.319	0.0									m_e	ML	2.2
GUNZ	2.30	346.1	Pn	18:17:12.849	-0.1					T__				m_e	ML	2.2
TANN	2.33	348.4	Pn	18:17:13.047	-0.3					T__				m_e	ML	2.3
WERD	2.39	346.2	Pn	18:17:14.040	-0.1					T__				m_e	ML	2.1
WERD	2.39	346.2	Sg	18:17:51.129	-0.6					T__				m_e		
MOX	2.71	338.3	Pn	18:17:18.528	-0.0					T__				m_e	ML	2.3
MOX	2.71	338.3	Sn	18:17:49.100	-0.2									mce		
BRG	2.78	9.7	Sn	18:17:49.657	-1.2					T__				m_e	ML	2.5
CLL	3.18	357.8	Pn	18:17:24.693	-0.2					T__				m_e	ML	2.7
CLL	3.18	357.8	Sg	18:18:18.000	1.2									m_e		
BFO	3.25	275.3	Pn	18:17:26.803	1.0					T__				m_e		
BFO	3.25	275.3	Sn	18:18:00.657	-1.2					T__				m_e		
TNS	3.74	305.7	Sn	18:18:14.276	0.8					T__				m_e		

## Event 80807007 Mattighofen/A, NNE of Salzburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/07	14:32:03.77	0.30	1.60	48.1464	13.2568	3.7	2.0	075	14.4	3.6	14	7	221			m i uk	ZAMG	80807017
2008/08/07	14:32:04.49	0.27	0.38	48.1150	13.1880	3.3	3.3	093	10.0f		16	12	108	0.77	3.19	m i ke	BGR	80807007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.3	7 ZAMG	80807017
ML	2.1	0.2	10 BGR	80807007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
RJOB	0.46	215.0	Pg	14:32:17.500	4.2									mci	ML	2.0
RJOB	0.46	215.0	Sg	14:32:26.500	7.1									mci		
BGLD	0.48	194.3	Pg	14:32:17.100	3.5									mci	ML	2.4
BGLD	0.48	194.3	Sg	14:32:25.700	5.8									mci		
MOA	0.77	109.8	Pg	14:32:19.459	0.4					T__	8.4			m_e	ML	2.1
MOA	0.77	109.8	Sg	14:32:28.463	-0.6					T__	13.9			m_e		
GEC2	0.81	24.8	Pg	14:32:20.483	0.7					T__	28.8			m_e	ML	2.6
GEC2	0.81	24.8	Sg	14:32:30.712	0.5					T__	20.6			m_e		
KBA	1.04	174.1	Pg	14:32:24.539	0.3					T__	27.9			m_e	ML	1.7
WET	1.05	348.9	Pg	14:32:24.352	0.0					T__	7.0			m_e	ML	2.3
WET	1.05	348.9	Sg	14:32:37.295	-0.6					T__	15.6			m_e		
WTTA	1.35	231.4	Pg	14:32:29.661	-0.3					T__	3.9			m_e		
WTTA	1.35	231.4	Sg	14:32:47.637	0.2					T__	9.4			m_e		
SCE	1.47	223.4	Pn	14:32:31.400	1.1									mci	ML	2.5
SCE	1.47	223.4	Sn	14:32:50.000	1.4									mci		
OBKA	1.85	149.6	Pn	14:32:35.387	-0.1					T__	4.4			m_e	ML	1.8
WERN	2.24	346.6	Pn	14:32:40.355	-0.3					T__	3.0			m_e	ML	2.1
GUNZ	2.32	346.4	Pn	14:32:41.555	-0.2					T__	2.8			m_e	ML	2.0
TANN	2.35	348.6	Pn	14:32:42.269	0.1					T__	6.3			m_e	ML	2.2
WERD	2.40	346.5	Pn	14:32:42.897	-0.1					T__	3.3			m_e	ML	2.0
MOX	2.73	338.6	Pn	14:32:47.106	-0.3					T__	6.9			m_e	ML	2.2
CLL	3.19	357.9	Pn	14:32:53.242	-0.5					T__	5.5			m_e		

Event 80807009 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/07	20:26:21.80	0.23	0.28	51.6123	6.4819	3.9	2.4	176	1.0f		13	6	275			m i sr	LDG	80807039
2008/08/07	20:26:24.20	0.90	0.31	51.5010	6.5580				1.0	16.8		7	303	0.71	1.39	m i ki	BNS	80807029
2008/08/07	20:26:24.39	0.37	0.71	51.4830	6.6000	6.7	3.3	115	1.0f		10	8	151	0.42	2.37	m i ki	BGR	80807019
2008/08/07	20:26:25.00			51.5020	6.6660				1.0f							m i ki	BUG	80807009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.3	6 LDG	80807039
ML	2.0		BNS	80807029
ML	2.3	0.2	5 BGR	80807019
ML	1.9		BUG	80807009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BUG	0.38	99.0	Pg	20:26:33.100	0.9					TA_				m_e	ML	1.9
BUG	0.38	99.0	Sg	20:26:39.100	2.0					TA_				m_		
WTSB	0.47	10.0	Pg	20:26:32.635	-1.3						4.1			m_e		
HOBG	0.67	140.9	Pg	20:26:37.620	0.1									m_e		
HGN	0.87	212.3	Pg	20:26:40.994	-0.4						7.2			m_e		
HGN	0.87	212.3	Sg	20:26:51.543	-1.1									m_e		
DREG	0.88	198.1	Pg	20:26:40.490	-1.1									m_e		
KLL	0.88	194.7	Pg	20:26:41.030	-0.6									m_e		



UBBA	3.89	263.5	Sg	03:48:15.373	1.3	T__												m_e
BSEG	4.33	307.9	Pn	03:47:13.888	-2.2	T__	13.6											m_e
FUR	4.51	225.8	Pn	03:47:19.694	1.0	T__	4.6											m_e
TNS	4.99	259.2	Pn	03:47:25.482	0.3	T__	9.7											m_e
IBBN	5.24	283.0	Pn	03:47:29.026	0.5	T__	3.7											m_e

Event 80811009 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/11	17:58:36.60			51.5390	6.4930				1.0f							m i uk	LDG	80811039
2008/08/11	17:58:37.70	1.20	0.51	51.5050	6.5790				1.0f			9	289	0.27	1.38	m i ki	BNS	80811029
2008/08/11	17:58:38.39	0.40	1.03	51.5200	6.6580	6.7	4.4	113	1.0f		11	6	160	0.39	2.33	m i ki	BGR	80811019
2008/08/11	17:58:38.50			51.4720	6.6550				1.0f				215	0.07	0.38	m i ki	BUG	80811009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6		LDG	80811039
ML	2.1		BNS	80811029
ML	2.4	0.0	1 BGR	80811019
ML	1.9		BUG	80811009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.07	309.8	Pg	17:58:37.600	-2.2					T__				m__ ML	1.4
BRHE	0.07	309.8	Sg	17:58:38.700	-2.0					T__				m__	
LAUG	0.22	123.8	Pg	17:58:42.610	0.0									m_e	
BUG	0.38	94.4	Pg	17:58:46.700	1.0					TA__				m_e ML	1.9
BUG	0.38	94.4	Sg	17:58:52.700	2.0					TA__				m__	
WTSB	0.50	10.2	Pg	17:58:46.388	-1.6						4.3			m_e	
WTSB	0.50	10.2	Sg	17:58:52.294	-2.2									m_e	
BNS	0.60	147.1	Pg	17:58:50.370	0.5									m_e	
HOBG	0.65	138.7	Pg	17:58:50.940	0.2									m_e	
HGN	0.84	213.0	Pg	17:58:54.617	0.3						13.5			m_e	
HGN	0.84	213.0	Sg	17:59:07.711	2.5									m_e	
DREG	0.85	198.3	Pg	17:58:53.570	-1.0									m_e	
KLL	0.85	194.8	Pg	17:58:54.470	-0.1									m_e	
STB	0.89	172.4	Pg	17:58:55.430	0.2									m_e	
STB	0.89	172.4	Sg	17:59:08.200	1.6									m_e	
IBBN	1.08	38.8	Sg	17:59:12.914	0.2									m_e	
HILG	1.18	179.3	Pg	17:59:00.480	-0.3									m_e	
KOE	1.25	146.6	Pg	17:59:02.200	0.2									m_e	
BGG	1.34	160.9	Pg	17:59:02.970	-0.7									m_e	
TNS	1.69	137.1	Pg	17:59:10.244	-0.0						4.6			m_e	
TNS	1.69	137.1	Sg	17:59:31.807	-0.2									m_e	
CLZ	2.34	79.4	Pg	17:59:22.354	-0.2						2.6			m_e ML	2.4
CLZ	2.34	79.4	Sg	17:59:51.450	-1.2									m_e	

Event 80811015 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/11	17:59:27.10	0.27	0.69	51.5589	6.5344	4.3	2.5	167	1.0f		20	9	260			m i sr	LDG	80811045



2008/08/11 17:59:28.20	1.20	0.51	51.5050	6.5790						1.0f		9 289	0.27	1.38	m i ki BNS	80811035
2008/08/11 17:59:28.03	0.97	0.88	51.4820	6.5820	12.2	5.6	117	1.0f			7	5 212	0.43	2.38	m i ki BGR	80811025
2008/08/11 17:59:29.20			51.4940	6.6630				1.0f							m i ki BUG	80811015

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.3	10 LDG	80811045
ML	2.0		BNS	80811035
ML	2.1	0.2	4 BGR	80811025
ML	1.8		BUG	80811015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.23	129.1	Pg	17:59:33.160	-0.3										
BUG	0.38	97.8	Pg	17:59:37.400	1.0					TA				m_e	ML 1.8
BUG	0.38	97.8	Sg	17:59:43.300	2.0					TA				m_e	
BNS	0.62	148.6	Pg	17:59:40.920	0.0									m_e	
HOBG	0.66	140.3	Pg	17:59:41.490	-0.2									m_e	
DREG	0.87	198.2	Pg	17:59:44.120	-1.5									m_e	
KLL	0.88	194.8	Pg	17:59:45.020	-0.7									m_e	
STB	0.91	172.9	Pg	17:59:45.980	-0.3									m_e	
STB	0.91	172.9	Sg	17:59:58.750	0.7									m_e	
IBBN	1.06	39.3	Sg	18:00:03.343	0.6									m_e	ML 2.3
HILG	1.20	179.5	Pg	17:59:51.030	-0.8									m_e	
KOE	1.26	147.4	Pg	17:59:52.750	-0.3									m_e	
BGG	1.36	161.5	Pg	17:59:53.520	-1.2									m_e	
TNS	1.70	137.8	Pg	18:00:00.239	-1.0									m_e	ML 2.1
TNS	1.70	137.8	Sg	18:00:23.158	-0.0									m_e	
WLF	1.86	190.2	Sg	18:00:26.223	-2.0									m_e	ML 2.3
CLZ	2.33	80.0	Sg	18:00:42.023	-1.1									m_e	

Event 80812002 Mattighofen/A, NNE of Salzburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/12	10:48:27.24	0.55	1.13	48.1636	13.2665	6.5	3.9	094	10.0	0.0	18	6	225			m i uk	ZAMG	80812012
2008/08/12	10:48:28.05	0.26	0.51	48.1200	13.1730	4.4	2.2	092	10.0f		16	11	108	0.78	3.19	m i ke	BGR	80812002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.3	7 ZAMG	80812012
ML	2.3	0.6	3 BGR	80812002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.46	213.6	Pg	10:48:40.900	4.0									mci	ML 2.2
BGLD	0.48	193.0	Pg	10:48:40.500	3.2									mci	ML 2.5
BGLD	0.48	193.0	Sg	10:48:49.100	5.5									mci	
MOA	0.78	109.9	Pg	10:48:42.895	0.0					T	20.9			m_e	ML 2.3
MOA	0.78	109.9	Sg	10:48:52.077	-0.9					T				m_e	
GEC2	0.81	25.6	Pg	10:48:43.942	0.6					T	33.2			m_e	ML 3.0
GEC2	0.81	25.6	Sg	10:48:54.635	0.8					T				m_e	
WET	1.04	349.3	Pg	10:48:47.857	0.1					T	5.1			m_e	
WET	1.04	349.3	Sg	10:49:00.689	-0.6					T				m_e	
KBA	1.05	173.6	Pg	10:48:47.936	0.1					T	28.2			m_e	ML 1.5

KBA	1.05	173.6	Sg	10:49:02.288	0.8	T__												m_e
WTTA	1.34	231.0	Pg	10:48:52.978	-0.4	T__	3.4											m_e
WTTA	1.34	231.0	Sg	10:49:10.836	0.0	T__												m_e
WERN	2.23	346.8	Pn	10:49:03.686	-0.5	T__	3.4											m_e
GUNZ	2.31	346.6	Pn	10:49:05.488	0.2	T__	3.5											m_e
TANN	2.34	348.8	Pn	10:49:05.142	-0.5	T__	6.9											m_e
WERD	2.40	346.7	Pn	10:49:06.536	0.1	T__	5.1											m_e
MOX	2.72	338.7	Pn	10:49:10.564	-0.3	T__	7.7											m_e
CLL	3.19	358.1	Pn	10:49:16.764	-0.4	T__	6.5											m_e

Event 80812008 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
2008/08/12	15:18:52.00	0.11	0.57	51.1539	5.8784	2.1	1.4	148	19.7	0.7	57	14	187			m i ke	LDG	80812028
2008/08/12	15:18:53.45	0.45	0.76	51.1330	6.0870	6.7	3.3	119	10.0f		15	7	193	0.38	2.76	m i ke	BGR	80812018
2008/08/12	15:18:53.60	0.86	0.41	51.1220	5.9350				21.0	3.1		12	272	0.16	1.33	m i ke	BNS	80812008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.6	1	LDG	80812028
ML	2.8	0.3	12 LDG	80812028
ML	2.2	0.1	3 BGR	80812018
ML	2.2		BNS	80812008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RODG	0.16	81.5	Pg	15:18:58.630	0.4					T__					m_e
HGN	0.36	180.3	Pg	15:19:00.344	-0.9					---					m_e
HGN	0.36	180.3	Sg	15:19:06.211	-0.2					---					m_e
DREG	0.50	157.6	Pg	15:19:02.940	-0.7					T__					m_e
DREG	0.50	157.6	Sg	15:19:10.530	0.1					T__		74.1	0.36		m_e
MEM	0.51	174.9	Pg	15:19:03.245	-0.7					---					m_e
MEM	0.51	174.9	Sg	15:19:11.097	0.1					---					m_e
KLL	0.53	153.3	Pg	15:19:03.480	-0.7					T__					m_e
KLL	0.53	153.3	Sg	15:19:12.070	0.6					T__		93.3	0.10		m_e
LAUG	0.67	69.7	Pg	15:19:05.640	-1.1					T__					m_e
LAUG	0.67	69.7	Sg	15:19:14.660	-1.1					T__		178.6	0.45		m_e
STB	0.78	132.4	Pg	15:19:08.460	-0.2					T__					m_e
STB	0.78	132.4	Sg	15:19:18.720	-0.3					T__		89.8	0.50		m_e
BNS	0.80	101.0	Pg	15:19:08.510	-0.5					T__					m_e
BNS	0.80	101.0	Sg	15:19:18.860	-0.7					T__		182.4	0.45		m_e
HOBG	0.89	98.4	Pg	15:19:10.100	-0.6					T__					m_e
HOBG	0.89	98.4	Sg	15:19:21.560	-1.0					T__		166.7	0.68		m_e
BUG	0.89	68.6	Pg	15:19:09.336	-1.5					---					m_e ML 2.3
BUG	0.89	68.6	Sg	15:19:20.436	-2.2					---					m_e
HILG	0.95	150.1	Pg	15:19:11.280	-0.7					T__					m_e
HILG	0.95	150.1	Sg	15:19:23.780	-0.7					T__		48.9	0.50		m_e
WTSB	1.00	32.1	Pg	15:19:10.830	-2.0					---					m_e
WTSB	1.00	32.1	Sg	15:19:23.444	-2.5					---					m_e
BGG	1.28	135.3	Pg	15:19:15.640	-2.3					T__					m_e
BGG	1.28	135.3	Sg	15:19:30.790	-3.8					T__					m_e
KOE	1.33	120.8	Pg	15:19:17.130	-1.8					T__					m_e
KOE	1.33	120.8	Sg	15:19:34.820	-1.5					T__		19.8	0.38		m_e

WLF	1.46	174.5	Pn	15:19:19.635	1.6	---	m_e	ML	2.2
WLF	1.46	174.5	Pg	15:19:20.970	-0.5	---	m_e		
WLF	1.46	174.5	Sg	15:19:39.103	-1.4	---	m_e		
TNS	1.83	118.5	Pn	15:19:23.710	0.7	---	m_e	ML	2.1
TNS	1.83	118.5	Pg	15:19:26.909	-1.3	---	m_e		
TNS	1.83	118.5	Sg	15:19:49.251	-2.8	---	m_e		
CLZ	2.86	73.7	Sg	15:20:19.593	-4.9	---	m_e		

Event 80812003 Mattighofen/A, NNE of Salzburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/12	17:25:46.20			48.0950	13.2820				10.0f							m i uk	NEIC	80812053
2008/08/12	17:25:55.50	0.36	0.21	48.4880	12.8850				15.0f			7	349	3.87	4.83	m i ke	BNS	80812043
2008/08/12	17:25:49.50	0.16	0.99	47.9848	13.3112	4.5	2.2	025	25.0	0.0	85	31	123			m i ke	LDG	80812033
2008/08/12	17:25:50.20	0.90	0.22	48.0600	13.0800	12.0	6.0	086	10.0f		24	20	311	1.98	4.83	m i ke	LED	80812023
2008/08/12	17:25:46.69	0.36	2.12	48.2198	13.3012	4.1	3.2	115	10.0	0.0	28	13	209			m i fe	ZAMG	80812013
2008/08/12	17:25:48.01	0.24	0.94	48.1220	13.2170	4.4	3.3	060	10.0f		27	19	087	0.75	5.07	m i ke	BGR	80812003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.4		NEIC	80812053
ML	3.5		BNS	80812043
ML	3.8	0.3	30 LDG	80812033
ML	3.4	0.3	17 LED	80812023
ML	3.7	0.5	18 ZAMG	80812013
ML	3.4	0.3	7 BGR	80812003

Effects	Loctyp	Location	Intensity	Scale	Author
<u>F</u>	<u>Summar</u>		4.0	EMS	ZAMG

(Felt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
RNON	0.45	211.7	Pg	17:26:00.600	4.0					---				mci	ML	3.2
RJOB	0.48	216.4	Pg	17:26:00.800	3.6					---				mci	ML	3.2
BGLD	0.49	196.4	Pg	17:26:00.400	3.0					---				mci	ML	3.4
BGLD	0.49	196.4	Sg	17:26:09.100	5.3					---				mci		
RWMO	0.50	221.0	Pg	17:26:01.300	3.7					---				mci	ML	3.1
MOA	0.75	110.8	Pg	17:26:02.800	0.5					T_	119.0			m_e	ML	3.2
MOA	0.75	110.8	Sg	17:26:11.936	-0.2					T_				m_e		
GEC2	0.79	23.8	Pg	17:26:03.923	0.9					T_	775.3			m_e	ML	3.9
GEC2	0.79	23.8	Sg	17:26:14.607	1.3					T_				m_e		
WET	1.05	347.8	Pg	17:26:07.818	0.0					T_	296.7			m_e		
WET	1.05	347.8	Sg	17:26:20.964	-0.4					T_				m_e		
KBA	1.05	175.2	Pg	17:26:07.827	0.0					T_	373.4			m_e		
FUR	1.30	272.5	Pg	17:26:12.167	-0.3					T_	4.2			m_e		
WTTA	1.37	231.7	Pg	17:26:12.930	-0.9					T_	51.6			m_e		
SCE	1.49	223.7	Pn	17:26:14.800	0.8					---				mci	ML	3.8
ARSA	1.78	118.5	Pn	17:26:17.279	-0.8					T_	11.2			m_e	ML	2.9
MHAI	2.02	340.7	Pn	17:26:20.800	-0.5					---				mci	ML	3.9
MZEK	2.02	336.1	Pn	17:26:20.700	-0.6					---				mci	ML	3.3
HDH	2.05	284.1	P	17:26:22.270						---				mc	ML	3.0
HDH	2.05	284.1	S	17:26:46.640						---				m		

OBER	2.09	251.1	P	17:26:23.150			m__	ML	2.5
OBER	2.09	251.1	S	17:26:47.840			m__		
UBR	2.13	259.2	P	17:26:23.730			md__	ML	3.0
UBR	2.13	259.2	S	17:26:48.000			m__		
VIEL	2.19	341.0	Pn	17:26:23.000	-0.6		mci	ML	3.0
TANN	2.35	348.2	Pn	17:26:25.015	-0.7	T__	m_e		
DAVA	2.40	250.8	Pn	17:26:27.236	0.9	T__	m_e	ML	3.1
WERD	2.40	346.0	Pn	17:26:25.821	-0.6	T__	m_e		
BUCH	2.59	278.7	P	17:26:29.940			mdi	ML	3.5
BUCH	2.59	278.7	S	17:26:58.260			m__		
SIND	2.68	298.6	P	17:26:30.850			md__	ML	3.4
SIND	2.68	298.6	S	17:26:59.920			m__		
MOX	2.73	338.2	Pn	17:26:30.503	-0.4	T__	m_e	ML	3.4
MOX	2.73	338.2	Sn	17:27:01.055	-0.7	T__	m_e		
GUT	2.74	270.5	P	17:26:31.550			mdi	ML	3.3
GUT	2.74	270.5	S	17:27:01.230			m__		
STU	2.75	285.2	P	17:26:31.830			md__	ML	3.5
STU	2.75	285.2	S	17:27:01.680			m__		
TUBL	2.78	279.8	P	17:26:32.520			md__	ML	3.4
BRG	2.79	9.4	Pn	17:26:30.423	-1.3	T__	m_e	ML	3.5
BRG	2.79	9.4	Sn	17:27:01.694	-1.5	T__	m_e		
SISB	2.88	262.9	P	17:26:33.710			md__	ML	3.2
SPAK	2.96	271.3	P	17:26:34.640			m__		
LBG	2.99	282.1	P	17:26:35.040			md__	ML	3.5
LBG	2.99	282.1	S	17:27:09.180			m__		
CLL	3.19	357.6	Pn	17:26:36.113	-1.0	T__	m_e	ML	3.8
CLL	3.19	357.6	Sg	17:27:32.000	2.6		m_e		
TOD	3.26	298.7	S	17:27:13.620			m__		
BFO	3.26	275.5	Pn	17:26:38.627	0.5	T__	m_e	ML	3.5
BFO	3.26	275.5	Sn	17:27:13.009	-1.3	T__	m_e		
SWS	3.27	296.3	P	17:26:38.900			m__	ML	3.6
SWS	3.27	296.3	S	17:27:13.520			m__		
UBBA	3.41	323.4	Pn	17:26:40.486	0.3	T__	m_e		
FELD	3.50	267.9	P	17:26:41.610			mdi		
KIZ	3.55	269.3	P	17:26:42.160			md__	ML	3.6
KIZ	3.55	269.3	Pg	17:26:48.270	-6.6		m__		
KIZ	3.55	269.3	S	17:27:19.340			m__		
FBB	3.59	270.1	S	17:27:22.120			m__	ML	3.6
LANF	3.68	285.5	P	17:26:44.760			md__		
LIBD	3.75	272.5	P	17:26:45.380			m__		
TNS	3.76	305.8	Pn	17:26:46.425	1.6	T__	m_e		
BBS	3.89	262.4	P	17:26:46.830			md__		
ECH	4.04	273.6	P	17:26:49.050			mdi	ML	2.6
MOF	4.08	268.5	P	17:26:49.450			m__		
CLZ	4.14	334.9	Pn	17:26:51.225	1.1	T__	m_e		
CLZ	4.14	334.9	Sn	17:27:32.807	-2.2	T__	m_e		
KOE	4.25	304.8	Pn	17:26:53.500	1.9		m_e		
BGG	4.37	300.7	Pn	17:26:55.100	1.9		m_e		
HOBG	4.77	309.1	Pn	17:27:00.300	1.7		m_e		
HOBG	4.77	309.1	Sn	17:27:49.800	0.1		m_e		
HILG	4.79	299.4	Pn	17:27:01.200	2.4		m_e		
NRDL	4.80	336.8	Pn	17:26:59.126	0.1	T__	m_e		
THEF	4.82	274.0	P	17:26:55.700			m__		
STB	4.83	303.2	Pn	17:27:01.400	2.0		m_e		

STB	4.83	303.2	Sn	17:27:51.700	0.5	---	46.0	0.70	m_e									
WLF	4.89	291.0	S	17:27:53.750		---			m_e	ML	3.0							
BUG	5.07	313.1	Pn	17:27:04.049	1.4	T_	2.7		m_e									
BUG	5.07	313.1	Sn	17:27:57.466	0.6	T_			m_e									
KLL	5.15	301.9	Pn	17:27:06.000	2.2	---			m_e									
DREG	5.20	301.8	Pn	17:27:06.700	2.2	---			m_e									
DREG	5.20	301.8	Sn	17:28:00.400	0.4	---			m_e									

Event 80813001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/13	03:45:52.50			51.2640	14.9410				5.0f							m i uk	NEIC	80813011
2008/08/13	03:45:43.92	0.80	0.68	51.5530	16.1030	15.6	6.7	161	1.0f		13	8	337	1.51	3.61	m i ki	BGR	80813001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1		NEIC	80813011
ML	3.1	0.3	6 BGR	80813001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.51	244.2	Pn	03:46:11.384	-0.0					T_	24.0			m_e	ML 2.9
BRG	1.51	244.2	Sg	03:46:32.537	0.5					T_				m_e	
CLL	1.95	264.0	Pn	03:46:16.589	-0.7					T_	9.4			m_e	ML 2.8
CLL	1.95	264.0	Pg	03:46:19.600	-1.0					---				m_i	
CLL	1.95	264.0	Sg	03:46:45.635	-0.2					T_				m_e	
TANN	2.56	245.0	Pn	03:46:25.835	0.3					T_	13.0			m_e	ML 3.0
TANN	2.56	245.0	Sg	03:47:04.789	-0.4					T_				m_e	
WERD	2.63	246.7	Pn	03:46:27.064	0.5					T_	12.5			m_e	
WERN	2.67	243.1	Pn	03:46:27.720	0.7					T_	8.2			m_e	ML 3.3
WERN	2.67	243.1	Sg	03:47:08.233	-0.5					T_				m_e	
NEUB	2.72	264.4	Sg	03:47:11.442	1.0					T_				m_e	
MOX	2.96	253.9	Pg	03:46:38.483	-1.2					T_	4.8			m_e	ML 3.3
MOX	2.96	253.9	Sg	03:47:19.162	1.2					T_				m_e	
GRA1	3.61	240.9	Sg	03:47:39.115	0.5					T_				m_e	ML 3.6

Event 80813006 Mattighofen/A, NNE of Salzburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/13	14:03:54.86	0.79	1.70	48.1453	13.2897	7.9	6.0	114	10.0	0.0	19	6	238			m i uk	ZAMG	80813016
2008/08/13	14:03:55.37	0.32	0.63	48.1150	13.1390	4.4	3.3	099	10.0f		11	6	108	0.80	2.72	m i ke	BGR	80813006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.5	9 ZAMG	80813016
ML	2.3	0.3	4 BGR	80813006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.44	211.5	Pg	14:04:08.600	4.7					---				mci	ML 1.9
RWMO	0.46	216.6	Pg	14:04:09.100	4.9					---				mci	ML 1.8
BGLD	0.47	190.4	Pg	14:04:08.200	3.8					---				mci	ML 2.2
BGLD	0.47	190.4	Sg	14:04:16.800	6.2					---				mci	

MOA	0.80	109.0	Pg	14:04:10.714	0.2	T__	m_e	ML	2.1
MOA	0.80	109.0	Sg	14:04:20.059	-0.9	T__	m_e		
GEC2	0.82	26.8	Pg	14:04:11.634	0.7	T__	m_e	ML	2.8
GEC2	0.82	26.8	Sg	14:04:21.869	0.3	T__	m_e		
WET	1.04	350.6	Pg	14:04:15.578	0.5	T__	m_e	ML	2.4
WET	1.04	350.6	Sg	14:04:27.903	-0.7	T__	m_e		
KBA	1.05	172.3	Pg	14:04:15.740	0.6	T__	m_e		
WTTA	1.32	230.5	Pg	14:04:20.923	0.6	T__	m_e	ML	2.0
WTTA	1.32	230.5	Sg	14:04:36.775	-0.7	T__	m_e		
SCE	1.44	222.4	Pn	14:04:22.500	1.7	---	mci	ML	2.6
SCE	1.44	222.4	Sn	14:04:41.100	2.2	---	mci		
MOX	2.72	339.2	Pn	14:04:38.338	0.2	T__	m_e		
MOX	2.72	339.2	Sn	14:05:07.837	-1.0	T__	m_e		

Event 80814007 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/14	22:46:46.99	0.47	0.51	51.5390	16.0890	5.6	4.4	148	1.0f		29	18	264	1.50	4.24	m i ki	BGR	80814007

Magnitude	Err	Nsta	Author	OrigID
ML	4.1	0.3	11 BGR	80814007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.50	244.5	Pn	22:47:13.334	-0.9					T__	260.7			m_e	ML 3.9
BRG	1.50	244.5	Sg	22:47:35.003	0.3					T__				m_e	
RUE	1.70	304.3	Pn	22:47:16.129	-0.9					T__	30.3			m_e	ML 3.8
CLL	1.94	264.4	Pn	22:47:19.322	-0.9					T__	197.1			m_e	ML 3.8
CLL	1.94	264.4	Pg	22:47:23.700	0.2					---				m_i	
CLL	1.94	264.4	Sg	22:47:49.000	0.4					---				m_e	
TANN	2.55	245.2	Pn	22:47:28.567	0.1					T__	104.4			m_e	ML 4.1
TANN	2.55	245.2	Pg	22:47:35.733	0.8					T__	4.1			m_e	
TANN	2.55	245.2	Sg	22:48:07.622	-0.2					T__				m_e	
WERD	2.62	246.9	Pn	22:47:29.454	0.0					T__	105.3			m_e	ML 3.9
WERD	2.62	246.9	Pg	22:47:36.589	0.2					T__	5.1			m_e	
WERD	2.62	246.9	Sg	22:48:09.491	-0.7					T__				m_e	
GUNZ	2.64	245.1	Pn	22:47:29.840	0.1					T__	77.3			m_e	ML 4.3
GUNZ	2.64	245.1	Pg	22:47:37.199	0.4					T__	7.5			m_e	
WERN	2.65	243.3	Pn	22:47:29.359	-0.6					T__	58.9			m_e	ML 4.1
NEUB	2.71	264.7	Pn	22:47:30.983	0.3					T__	76.7			m_e	
NEUB	2.71	264.7	Pg	22:47:38.145	0.0					T__	12.3			m_e	
MGBB	2.91	238.9	Pn	22:47:33.500	0.1					---				mdi	ML 3.8
MOX	2.95	254.1	Pn	22:47:33.849	-0.1					T__	23.1			m_e	ML 4.3
MOX	2.95	254.1	Pg	22:47:42.591	0.0					T__	8.8			m_e	
MOX	2.95	254.1	Sg	22:48:21.747	1.1					T__				m_e	
ROTZ	3.03	235.8	Pn	22:47:35.197	0.1					T__	45.6			m_e	
GEC2	3.10	210.5	Pn	22:47:35.931	-0.0					T__	56.3			m_e	ML 3.9
GEC2	3.10	210.5	Pg	22:47:44.900	-0.5					T__	1.9			m_e	
WET	3.15	221.8	Pn	22:47:36.796	0.1					T__	48.1			m_e	
CLZ	3.56	277.1	Pn	22:47:43.115	1.0					T__	12.5			m_e	
GRA1	3.60	241.0	Pn	22:47:43.461	0.7					T__	7.5			m_e	ML 4.6
GRA1	3.60	241.0	Sg	22:48:41.429	0.2					T__				m_e	
NRDL	3.80	286.9	Pn	22:47:45.644	0.1					T__	6.9			m_e	

GTTG	3.81	272.5	Sg	22:48:48.436	0.5	T__	m_e	ML	4.4
HROE	3.86	257.3	Pn	22:47:46.500	0.2	___	mdi	ML	4.1
UBBA	3.88	261.7	Pn	22:47:46.599	0.0	T__	m_e		
BSEG	4.24	306.7	Pn	22:47:51.012	-0.4	T__	m_e		

Event 80815006 Furtwangen/Black Forest, E of Freiburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/15	08:44:34.44	0.36	0.51	48.0120	8.1260	6.7	3.3	148	5.0f		13	11	133	0.16	3.59	m i ke	BGR	80815016
2008/08/15	08:44:34.06	0.09	0.22	48.0140	8.0730	1.8	0.9	333	6.0	2.0	31	16	080	0.12	1.90	m i ke	LED	80815006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	4 BGR	80815016
ML	2.3	0.2	13 LED	80815006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KIZ	0.12	240.9	P*	08:44:36.640						T__				mci	ML 2.1
KIZ	0.12	240.9	S*	08:44:38.530						T__				m_i	
FELD	0.15	198.6	P*	08:44:37.140						T__				mci	
FELD	0.15	198.6	S*	08:44:38.710						___				m__	
FBB	0.15	265.3	P*	08:44:37.580						T__				mci	ML 2.4
FBB	0.15	265.3	S*	08:44:39.830						T__				m__	
LIBD	0.34	293.7	P*	08:44:41.220						T__				m__	
LIBD	0.34	293.7	S*	08:44:46.260						T__				m__	
BFO	0.36	28.3	P*	08:44:40.990						T__				mci	ML 2.5
BFO	0.36	28.3	S*	08:44:46.030						T__				m__	
SPAK	0.48	79.2	P*	08:44:43.480						T__				mci	
ECH	0.64	288.6	PmP	08:44:47.480	-1.8					T__				mdi	ML 1.4
MOF	0.65	255.9	P*	08:44:46.660						T__				m__	
MOF	0.65	255.9	PmP	08:44:48.110	-1.2					T__				m_i	
BBS	0.67	214.8	P*	08:44:47.060						T__				mc_	
SISB	0.68	118.4	P*	08:44:47.300						T__				m__	ML 2.4
SISB	0.68	118.4	PmP	08:44:48.450	-1.4					T__				m__	
SISB	0.68	118.4	S*	08:44:56.540						T__				m__	
SISB	0.68	118.4	SmS	08:44:59.260	-1.4					T__				m__	
GUT	0.70	84.9	P*	08:44:47.390						T__				mci	ML 2.4
GUT	0.70	84.9	PmP	08:44:49.120	-1.0					T__				m__	
GUT	0.70	84.9	S*	08:44:56.750						T__				m__	
GUT	0.70	84.9	SmS	08:44:59.650	-1.5					T__				m__	
LBG	0.81	36.2	P*	08:44:49.980						T__				m__	ML 2.2
LBG	0.81	36.2	S*	08:45:00.370						T__				m__	
LBG	0.81	36.2	SmS	08:45:02.220	-1.8					___				m__	
TUBL	0.84	52.5	P*	08:44:50.880						T__				m__	ML 2.1
TUBL	0.84	52.5	S*	08:45:01.950						T__				m__	
BUCH	0.96	62.5	P	08:44:52.290						T__				mci	ML 2.1
BUCH	0.96	62.5	PmP	08:44:53.250	-1.0					T__				m__	
BUCH	0.96	62.5	SmS	08:45:06.450	-1.7					T__				m__	
LANF	0.98	349.7	P	08:44:52.820						T__				m__	
LANF	0.98	349.7	Pg	08:44:53.500	0.9					___				m__	
STU	1.06	44.1	S	08:45:07.250						___				m__	ML 2.3
LOMF	1.07	232.1	P	08:44:54.240						T__				m__	

THEF	1.40	279.5	P	08:44:58.800													m__		
THEF	1.40	279.5	Sg	08:45:19.430	0.7												m__		
UBR	1.41	103.0	Pg	08:45:00.900	0.3												m__	ML	2.3
UBR	1.41	103.0	S	08:45:17.490													m__		
UBR	1.41	103.0	Sg	08:45:19.890	1.1												m__		
SWS	1.53	15.5	S	08:45:19.340													m__	ML	2.2
SWS	1.53	15.5	Sg	08:45:23.020	0.4												m__		
TOD	1.66	16.5	Sg	08:45:26.160	-0.8												m__		
SIND	1.67	36.6	P	08:45:01.570													m__	ML	2.3
SIND	1.67	36.6	Pg	08:45:05.780	0.1												m__		
SIND	1.67	36.6	Sg	08:45:26.500	-0.8												m__		
RUP	1.81	338.8	Pg	08:45:08.620	0.3												m__		
ABH	1.90	349.7	Pg	08:45:09.740	-0.1												m__		
GRA1	2.67	49.8	Pg	08:45:24.427	0.1						3.3						m_e	ML	2.6
GRA1	2.67	49.8	Sg	08:45:58.961	0.2												m_e		
WET	3.37	68.6	Sg	08:46:21.203	-0.0												m_e	ML	2.4
WERN	3.62	49.5	Sg	08:46:27.415	-1.6												m_e	ML	2.6

Event 80817004 Tauern Mountains/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/17	19:07:00.75	0.40	0.69	47.2570	14.3890	3.3	3.3	026	5.0f		18	13	167	0.60	3.85	m i k e	BGR	80817014
2008/08/17	19:06:59.80	0.16	0.38	47.2284	14.3579	1.3	0.9	010	5.0	0.0	20	7	093			m i f e	ZAMG	80817004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.5	11 BGR	80817014
ML	2.2	0.2	7 ZAMG	80817004

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		3.0	EMS	ZAMG

(Felt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
MOA	0.62	354.3	Pg	19:07:12.697	1.1						13.2			m_e	ML 1.4
KBA	0.71	258.1	Pg	19:07:13.950	0.8						13.1			m_e	ML 1.6
KBA	0.71	258.1	Sg	19:07:22.853	0.6									m_e	
ARSA	0.79	88.0	Pg	19:07:15.337	0.6						9.6			m_e	ML 1.5
ARSA	0.79	88.0	Sg	19:07:25.355	0.4									m_e	
GEC2	1.68	345.1	Pg	19:07:31.911	0.5						9.5			m_e	ML 2.0
GEC2	1.68	345.1	Sg	19:07:53.539	0.5									m_e	
WTTA	1.85	272.1	Pg	19:07:36.651	2.0						7.8			m_e	
WTTA	1.85	272.1	Sg	19:08:01.676	3.2									m_e	
WET	2.15	333.3	Pg	19:07:41.881	1.5						4.0			m_e	ML 2.0
WET	2.15	333.3	Sg	19:08:08.341	0.1									m_e	
ROTZ	2.91	331.5	Sg	19:08:32.583	0.3									m_e	
GRA1	3.22	321.0	Sg	19:08:44.071	1.9									m_e	ML 2.8
WERN	3.33	337.6	Sg	19:08:45.231	-0.2									m_e	ML 2.6
GUNZ	3.41	337.7	Sg	19:08:48.537	0.5									m_e	ML 2.6
TANN	3.42	339.3	Sg	19:08:48.252	-0.3									m_e	ML 2.6
WERD	3.49	338.0	Sg	19:08:50.565	-0.1									m_e	ML 2.6
MOX	3.86	333.2	Sg	19:09:02.609	0.1									m_e	ML 2.8



Event 80821310 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/21	16:00:47.65	0.40		51.4830	16.0850	4.4	2.2	009	1.0f		21	13	095	0.65	5.90	m i ki	BGR	80821320

Magnitude	Err	Nsta	Author	OrigID
ML	3.5		BGR	80821320

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	168.4	Pg	16:00:59.752	-0.2					T__				m_e	ML 2.6
BRG	1.47	246.4	Pn	16:01:13.612	-1.0					T__				m_e	ML 3.2
BRG	1.47	246.4	Pg	16:01:15.107	-0.3					T__				m_e	
BRG	1.47	246.4	Sg	16:01:35.136	0.6					T__				m_e	
RUE	1.73	305.9	Sg	16:01:43.444	0.8					T__				m_e	ML 3.3
GKP	1.92	21.0	Pn	16:01:17.489	-3.1					___				m_e	
CLL	1.93	266.0	Pn	16:01:19.935	-0.8					T__				m_e	ML 3.3
CLL	1.93	266.0	Pg	16:01:22.500	-1.5					___				m_i	
CLL	1.93	266.0	Sg	16:01:49.000	-0.0					___				m_e	
WERD	2.59	248.0	Pn	16:01:29.983	0.2					T__				m_e	ML 3.3
WERD	2.59	248.0	Sg	16:02:09.713	-0.4					T__				m_e	
GUNZ	2.62	246.1	Pn	16:01:30.435	0.3					T__				m_e	ML 3.7
GUNZ	2.62	246.1	Sg	16:02:11.399	0.6					T__				m_e	
WERN	2.63	244.4	Sg	16:02:11.222	0.1					T__				m_e	ML 3.6
OJC	2.66	116.9	Pg	16:01:37.195	-0.6					T__				m_e	
OJC	2.66	116.9	Sg	16:02:13.294	1.0					T__				m_e	
NEUB	2.71	265.9	Pg	16:01:38.415	-0.2					T__				m_e	
NEUB	2.71	265.9	Sg	16:02:14.546	0.9					T__				m_e	
MGBB	2.88	239.8	Pn	16:01:34.100	0.5					___				mdi	ML 3.1
MOX	2.93	255.1	Pn	16:01:33.790	-0.5					T__				m_e	ML 3.7
MOX	2.93	255.1	Pg	16:01:42.400	-0.5					___				m_e	
MOX	2.93	255.1	Sg	16:02:20.904	0.1					T__				m_e	
ROTZ	3.00	236.6	Pn	16:01:35.506	0.2					T__				m_e	
GEC2	3.05	211.0	Pn	16:01:36.451	0.5					T__				m_e	ML 3.4
GEC2	3.05	211.0	Sg	16:02:24.621	0.2					T__				m_e	
WET	3.11	222.4	Pn	16:01:36.990	0.2					T__				m_e	
CLZ	3.56	278.0	Pn	16:01:43.747	0.9					___				m_e	ML 3.5
CLZ	3.56	278.0	Sg	16:02:40.527	-0.2					___				m_e	
GRA1	3.57	241.8	Pn	16:01:43.715	0.7					___				m_e	ML 4.0
GRA1	3.57	241.8	Sg	16:02:42.017	1.0					___				m_e	
HROE	3.85	258.1	Pn	16:01:47.200	0.4					___				mdi	ML 3.5
UBBA	3.87	262.5	Pg	16:01:59.851	-0.8					___				m_e	ML 3.5
UBBA	3.87	262.5	Sg	16:02:51.445	0.8					___				m_e	
TNS	4.98	258.3	Pn	16:02:02.899	0.8					___				m_e	ML 4.1
BFO	5.90	240.8	Sg	16:03:57.048	1.9					___				m_e	ML 3.8

Event 944777 St. Die/F, NW Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/27	07:06:44.60	0.06	0.24	48.3143	6.6870	1.1	1.0	008	11.0f		25	11	091			m i ke	LDG	944787

Magnitude	Err	Nsta	Author	OrigID
MD	2.2	0.0	3 LDG	944787
ML	2.5	0.2	8 LDG	944787

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.09	88.6	Pg	07:07:05.094	-0.2					---					m_e
BFO	1.09	88.6	Sg	07:07:18.191	-1.3					---					m_e

Event 80829008 Schwaz/A, Inn Valley, Northern Tuxer Alps

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/29	10:53:15.88	0.14	0.24	47.4119	11.9203	1.4	0.8	178	11.5	2.2	30	9	157			m i uk	ZAMG	80829018
2008/08/29	10:53:17.43	0.28	0.82	47.3900	11.9330	5.6	3.3	169	10.0f		15	9	131	0.24	2.59	m i ke	BGR	80829008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.4	13 ZAMG	80829018
ML	2.0	0.3	9 BGR	80829008

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		3.0	EMS	ZAMG

(Felt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.24	238.0	Pg	10:53:21.381	-0.8					T_				m_e ML	1.6
WTTA	0.24	238.0	Sg	10:53:24.837	-0.7					T_				m_e	
RJOB	0.68	58.9	Pg	10:53:29.656	-0.7					T_	4.6			m_e ML	1.9
RJOB	0.68	58.9	Sg	10:53:40.279	1.1					T_				m_e	
KBA	1.01	107.5	Pg	10:53:36.445	-0.1					T_	1.3			m_e ML	1.5
KBA	1.01	107.5	Sg	10:53:49.469	-0.1					T_				m_e	
DAVA	1.39	266.5	Pg	10:53:43.824	0.0					T_	7.7			m_e ML	2.3
DAVA	1.39	266.5	Sg	10:54:02.563	0.7					T_				m_e	
MOA	1.64	72.9	Pg	10:53:47.563	-0.8					T_				m_e ML	2.1
MOA	1.64	72.9	Sg	10:54:10.128	0.6					T_				m_e	
WET	1.86	19.4	Pn	10:53:48.620	0.0					T_	1.3			m_e ML	2.3
GEC2	1.87	38.4	Pn	10:53:49.238	0.5					T_				m_e ML	2.3
ROTZ	2.38	4.3	Sg	10:54:31.695	-1.5					T_				m_e ML	2.1
BFO	2.59	292.6	Pn	10:54:00.158	1.7					T_				m_e ML	2.3
BFO	2.59	292.6	Sg	10:54:40.134	0.3					T_				m_e	

Event 80830002 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/08/30	03:59:42.90	0.05	0.63	48.3220	6.6102	1.1	0.8	004	10.0	0.0	58	22	033			m i ke	LDG	80830012
2008/08/30	03:59:43.00	0.28	0.59	48.3410	6.6650	3.3	2.2	071	10.0f		34	24	090	0.35	4.17	m i ke	BGR	80830002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.7	0.1	3 LDG	80830012

ML 2.4 0.3 18 LDG 80830012  
 ML 2.1 0.3 5 BGR 80830002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.35	110.7	Pg	03:59:49.839	0.0					T__	7.2			m_e	
THEF	0.46	256.0	Pg	03:59:51.139	-0.7					T__	10.4			m_e	
MOF	0.58	147.3	Pg	03:59:53.845	-0.2					T__	38.9			m_e	
LANF	0.99	49.2	Pg	04:00:01.635	-0.1					T__	8.5			m_e	
LOMF	1.00	173.7	Pg	04:00:01.869	0.0					T__	14.6			m_e	
FELD	1.01	117.0	Pg	04:00:02.261	0.2					T__	6.4			m_e	
BOURR	1.02	157.9	Pg	04:00:02.210	-0.1					T__	16.4			m_e	
BOURR	1.02	157.9	Sg	04:00:15.723	0.2					T__				m_e	
BBS	1.04	146.8	Pg	04:00:02.838	0.1					T__	7.2			m_e	
BFO	1.11	89.9	Pg	04:00:03.299	-0.6					T__	4.7			m_e	ML 1.8
BFO	1.11	89.9	Sg	04:00:17.135	-1.1					T__				m_e	
BALST	1.22	145.1	Pg	04:00:05.770	-0.3					T__	6.6			m_e	
SULZ	1.27	129.4	Pg	04:00:06.488	-0.4					T__	5.0			m_e	
SULZ	1.27	129.4	Sg	04:00:23.408	0.1					T__				m_e	
SLE	1.35	114.5	Pn	04:00:06.830	-0.4					T__	1.1			m_e	
SLE	1.35	114.5	Pg	04:00:08.774	0.3					T__	6.3			m_e	
SLE	1.35	114.5	Sn	04:00:22.985	-1.4					T__				m_e	
SLE	1.35	114.5	Sg	04:00:25.987	-0.0					T__				m_e	
KTD	1.35	43.1	Pg	04:00:08.691	0.1					T__	2.6			m_e	
WLF	1.37	345.9	Pg	04:00:08.953	0.2					T__	2.8			m_e	ML 1.7
WLF	1.37	345.9	Sg	04:00:26.309	-0.2					T__				m_e	
RUP	1.39	10.6	Pg	04:00:09.790	0.6					T__	2.5			m_e	
SPAK	1.43	98.8	Pg	04:00:10.579	0.5					T__	1.8			m_e	
ZUR	1.61	126.4	Pg	04:00:13.703	0.3					T__	2.8			m_e	
ABH	1.65	20.2	Pg	04:00:13.777	-0.3					T__	1.7			m_e	
STU	1.73	74.6	Sg	04:00:38.426	0.5					T__				m_e	ML 2.2
WILA	1.77	120.8	Pg	04:00:16.379	0.1					T__	3.7			m_e	
WILA	1.77	120.8	Sg	04:00:39.513	0.3					T__				m_e	
TOD	1.89	47.2	Pg	04:00:18.716	0.1					T__	2.8			m_e	
LIENZ	2.17	117.8	Pn	04:00:19.366	1.1					T__	1.4			m_e	
LIENZ	2.17	117.8	Sn	04:00:44.446	0.9					T__				m_e	
TNS	2.21	31.0	Pg	04:00:26.470	1.8					T__	2.0			m_e	ML 2.4
TNS	2.21	31.0	Sg	04:00:52.923	-0.4					T__				m_e	
BUG	3.12	6.9	Sg	04:01:21.448	-0.8					T__				m_e	ML 2.6
WET	4.17	76.6	Sn	04:01:33.470	2.7					___				m_e	

DATA\_TYPE ARRIVAL: REVIEWED IMS1.0

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Author	ArrID
-----	-----	------	-----	------	------	-------	------	------	-----	-----	-----	------	--------	-------