

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 80502001 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/02	06:54:39.20	0.16	0.61	51.5381	6.5828	2.6	1.9	014	1.0f		40	16	244			m i sr	LDG	80502031
2008/05/02	06:54:39.40	0.93	0.51	51.5170	6.5690				1.1	13.0		9	272	0.29	1.40	m i ki	BNS	80502021
2008/05/02	06:54:39.88	0.57	0.84	51.5140	6.5780	10.0	3.3	125	1.0f		13	7	208	0.44	2.60	m i ki	BGR	80502011
2008/05/02	06:54:38.70			51.5110	6.5790				1.0f							m i ki	BUG	80502001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.3	0.4	2 LDG	80502031
ML	3.1	0.2	14 LDG	80502031
ML	2.3		BNS	80502021
ML	2.4	0.1	4 BGR	80502011
ML	2.3		BUG	80502001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.28	125.0	Pg	06:54:44.570	0.6										mce
LAUG	0.28	125.0	Sg	06:54:49.540	2.0							122.1	0.53	m_e	
BUG	0.44	99.0	Pg	06:54:47.800	0.9					TA_				mde	ML 2.3
BUG	0.44	99.0	Sg	06:54:54.500	2.0					TA_				m_	
RODG	0.44	214.4	Sg	06:54:54.620	1.8							292.6	0.41	m_e	
HOBG	0.71	137.9	Pg	06:54:53.320	1.3									mde	
HOBG	0.71	137.9	Sg	06:55:03.750	2.6							65.2	0.36	m_e	
DREG	0.88	194.5	Pg	06:54:55.710	0.5									m_e	
DREG	0.88	194.5	Pg	06:54:55.859	0.7						24.0			m_e	
DREG	0.88	194.5	Sg	06:55:07.989	1.5									m_e	
KLL	0.88	191.1	Pg	06:54:56.120	0.8									m_e	
KLL	0.88	191.1	Sg	06:55:09.360	2.7							155.0	0.17	m_e	
STB	0.93	169.8	Pg	06:54:57.740	1.5									m_e	
STB	0.93	169.8	Sg	06:55:10.100	1.8							88.5	0.37	m_e	
IBBN	1.08	42.0	Pg	06:54:59.945	0.9						2.5			m_e	ML 2.5
IBBN	1.08	42.0	Sg	06:55:13.944	1.0									m_e	
HILG	1.22	177.0	Pg	06:55:03.140	1.4									m_e	
HILG	1.22	177.0	Sg	06:55:19.730	2.2							86.2	0.21	m_e	
KOE	1.31	145.8	Pg	06:55:03.840	0.5									m_e	
BGG	1.39	159.6	Pg	06:55:05.190	0.3									m_e	
BGG	1.39	159.6	Sg	06:55:23.170	0.3							37.2	0.37	m_e	
TNS	1.75	136.8	Pn	06:55:12.027	2.7						10.3			m_e	ML 2.4
TNS	1.75	136.8	Pg	06:55:12.826	1.2						10.5			m_e	
WLF	1.87	188.5	Pn	06:55:13.716	2.8						2.5			m_e	ML 2.6
WLF	1.87	188.5	Pg	06:55:15.316	1.4						2.5			m_e	
WLF	1.87	188.5	Sg	06:55:37.797	-0.2									m_e	
CLZ	2.38	80.5	Pg	06:55:23.983	0.5						6.5			m_e	
ASSE	2.60	74.6	Pg	06:55:29.027	1.2						2.4			m_e	

Event 944757 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2008/05/02	06:54:55.10	0.38	0.11	51.5150	6.5410				1.0f				4	315	0.88	1.32	m i ki	BNS	944767

Magnitude Err Nsta Author OrigID
 ML 2.5 BNS 944767

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KLL	0.88	189.5	Sg	06:55:24.210	1.1					T__		146.8	0.18	m_e	
STB	0.94	168.3	Sg	06:55:25.940	1.0					T__				m_e	
HILG	1.23	175.9	Pg	06:55:17.540	-0.7					T__				m_e	
HILG	1.23	175.9	Sg	06:55:34.620	0.6					T__				m_e	
KOE	1.32	145.0	Sg	06:55:36.930	-0.2					T__				m_e	

Event 80503003 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/03	07:48:09.70	6.35	2.71	50.6120	7.1750				1.0f			3	203	0.40	0.55	m i ki	BNS	80503023
2008/05/03	07:47:56.00	0.08	0.57	49.3431	6.8224	1.8	1.3	111	1.0f		21	10	059			m i sr	LDG	80503013
2008/05/03	07:47:56.47	0.44	0.87	49.3350	6.8170	8.9	5.6	036	1.0f		7	4	173	0.54	4.53	m i ki	BGR	80503003

(#PRIME)

Magnitude Err Nsta Author OrigID
 ML 1.1 BNS 80503023
 MD 2.4 1 LDG 80503013
 ML 2.5 0.2 9 LDG 80503013
 ML 1.7 0.3 3 BGR 80503003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.54	307.6	Pg	07:48:07.062	0.4					T__	6.1			m_e ML	1.4
WLF	0.54	307.6	Sg	07:48:13.716	-0.0					T__				m_e	
BGG	0.93	20.9	Pg	07:48:13.280	-0.8					---				m_e	
BGG	0.93	20.9	Sg	07:48:26.150	0.0					---		22.1	0.19	m_e	
KOE	1.24	28.0	Pg	07:48:18.810	-1.0					---				m_e	
KLL	1.35	346.3	Pg	07:48:21.290	-0.7					---				m_e	
TNS	1.38	49.2	Pg	07:48:20.652	-1.8					T__	3.3			m_e ML	2.2
TNS	1.38	49.2	Sg	07:48:41.102	0.9					T__				m_e	
BFO	1.41	134.7	Pg	07:48:23.019	-0.1					T__	3.3			m_e ML	1.6
BFO	1.41	134.7	Sg	07:48:41.399	-0.0					T__				m_e	
GEC2	4.53	93.6	Pn	07:49:05.798	0.9					T__	2.8			m_e	

Event 80503001 Eastern Tennengau/A, Hoher Dachstein

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/03	11:37:39.98	0.14	0.41	47.5536	13.6179	1.2	0.8	170	1.0	0.0	33	13	146			m i fe	ZAMG	80503011
2008/05/03	11:37:42.43	0.25	1.38	47.5680	13.5980	4.4	4.4	166	5.0f		20	11	058	0.52	3.76	m i ke	BGR	80503001

(#PRIME)

Magnitude Err Nsta Author OrigID
 ML 2.5 0.6 16 ZAMG 80503011
 ML 2.3 0.3 9 BGR 80503001

Effects Loctyp Location Intensity Scale Author

Summar

3.0 EMS ZAMG

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BGLD	0.40	282.3	Pg	11:37:47.900	-2.3									mci	ML	2.3
BGLD	0.40	282.3	Sg	11:37:55.300	-0.3									mci		
KBA	0.52	199.4	Pg	11:37:50.019	-2.3					T__	20.3			m_e	ML	2.0
KBA	0.52	199.4	Sg	11:37:57.779	-1.4					T__				m_e		
MOA	0.53	57.7	Pg	11:37:50.238	-2.3					T__	13.8			m_e	ML	1.9
MOA	0.53	57.7	Sg	11:38:00.113	0.6					T__				m_e		
RJOB	0.57	287.7	Pg	11:37:51.200	-2.0									mci		
OBKA	1.24	148.2	Pg	11:38:06.253	0.4					T__	5.1			m_e	ML	2.0
GEC2	1.28	3.1	Pn	11:38:04.735	-0.9					T__	88.9			m_e	ML	2.5
GEC2	1.28	3.1	Sg	11:38:23.790	0.6					T__				m_e		
ARSA	1.34	103.0	Pn	11:38:07.904	1.4					T__	5.8			m_e	ML	2.0
ARSA	1.34	103.0	Sg	11:38:26.691	1.6					T__				m_e		
WTTA	1.36	257.8	Pn	11:38:06.264	-0.5					T__	6.5			m_e		
WTTA	1.36	257.8	Sg	11:38:29.341	3.5					T__				m_e		
SCE	1.39	248.2	Pg	11:38:09.000	0.4									mci	ML	2.5
SCE	1.39	248.2	Sg	11:38:30.600	4.1									mci		
WET	1.65	343.4	Pn	11:38:11.505	0.9					T__	11.3			m_e	ML	2.3
WET	1.65	343.4	Sg	11:38:34.127	-0.7					T__				m_e		
DAVA	2.53	265.0	Pg	11:38:29.390	-0.8					T__	4.1			m_e	ML	2.6
DAVA	2.53	265.0	Sg	11:39:03.231	0.4					T__				m_e		
GRA1	2.64	324.4	Pg	11:38:32.921	0.7					T__	2.2			m_e	ML	2.8
GRA1	2.64	324.4	Sg	11:39:04.725	-1.7					T__				m_e		
NKC	2.77	344.6	Sg	11:39:11.067	0.6									m_e	ML	3.0
TANN	2.94	345.7	Sg	11:39:16.124	0.2					T__				m_e	ML	2.7
WERD	3.00	344.1	Sg	11:39:17.275	-0.6									m_e	ML	2.8
MOX	3.34	337.9	Pn	11:38:33.700	0.1									m_e		
MOX	3.34	337.9	Sg	11:39:27.458	-1.1									m_e		
BFO	3.61	284.1	Pn	11:38:38.116	0.9					T__	1.4			m_e		
BFO	3.61	284.1	Sg	11:39:37.163	0.0					T__				m_e		
CLL	3.76	354.3	Pn	11:38:41.000	1.7									m_e		
CLL	3.76	354.3	Sg	11:39:40.174	-1.7									m_e		

Event 80503307 ENE of Feldkirch/A, Klein Walsertal, S Allgaeuer Alps

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/03	19:09:26.70	0.50	0.76	47.3447	10.0872	9.0	5.8	075	5.0f		20	9	259			m i ke	LDG	80503337
2008/05/03	19:09:25.60			47.4000	10.1000				1.0f							m i uk	SED	80503327
2008/05/03	19:09:26.19	0.36	0.26	47.2952	10.0307	2.1	1.5	161	9.0	3.8	21	7	163			m i uk	ZAMG	80503317
2008/05/03	19:09:26.82	0.35		47.3100	10.0240	5.6	3.3	002	10.0f		13	7	161	0.10	2.91	m i ke	BGR	80503307

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.4	8 LDG	80503337
ML	2.1		SED	80503327
ML	2.3	0.4	12 ZAMG	80503317
ML	2.0		BGR	80503307

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
DAVA	0.10	256.6	Pg	19:09:29.056	-0.3					T__				m_e	ML	1.6

DAVA	0.10	256.6	Sg	19:09:31.455	0.4	T__	m_e		
WTTA	1.09	91.8	Pn	19:09:47.005	-0.5	T__	m_e ML	1.9	
WTTA	1.09	91.8	Sg	19:10:03.521	1.8	T__	m_e		
FUR	1.20	44.2	Pg	19:09:49.066	-0.4	T__	m_e ML	2.1	
FUR	1.20	44.2	Sg	19:10:05.798	0.8	T__	m_e		
BFO	1.53	312.5	Pn	19:09:53.701	0.3	T__	m_e ML	2.0	
BFO	1.53	312.5	Sg	19:10:15.736	0.3	T__	m_e		
KBA	2.27	94.6	Pg	19:10:08.788	-0.8	T__	m_e ML	2.1	
KBA	2.27	94.6	Sg	19:10:38.305	-0.6	T__	m_e		
GRA1	2.51	18.0	Sg	19:10:46.263	-0.4	T__	m_e ML	2.3	
MOA	2.91	77.8	Pg	19:10:19.677	-2.0	T__	m_e ML	2.3	
MOA	2.91	77.8	Sg	19:10:59.030	-0.3	T__	m_e		
MOX	3.49	16.8	Sg	19:11:17.500	-0.4	---	m_e		
CLL	4.44	24.8	Sg	19:11:46.000	-2.0	---	m_e		

Event 80503002 ENE of Feldkirch/A, Klein Walsertal, S Allgaeuer Alps

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/03	23:17:25.00	0.17	0.61	47.4086	10.0768	3.0	2.4	109	5.0f		50	21	208			m i ke	LDG	80503032
2008/05/03	23:17:24.00			47.3000	10.0000				1.0f							m i uk	SED	80503022
2008/05/03	23:17:23.60	0.36	0.77	47.3330	10.0234	1.6	1.5	118	11.2	3.5	22	8	188			m i fe	ZAMG	80503012
2008/05/03	23:17:24.04	0.22	1.13	47.2660	10.0940	4.4	2.2	169	10.0f		39	23	103	0.15	3.68	m i ke	BGR	80503002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.3	19 LDG	80503032
ML	2.3		SED	80503022
ML	2.7	0.3	13 ZAMG	80503012
ML	2.2	0.3	6 BGR	80503002

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		4.0	EMS	ZAMG

(felt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.15	278.2	Pg	23:17:26.863	-0.4					T__	12.2			m_e ML	2.1
DAVA	0.15	278.2	Sg	23:17:29.144	-0.4					T__				m_e	
OBER	0.20	43.7	Pg	23:17:28.000	-0.1					---				mci ML	2.1
LIENZ	0.41	274.4	Pg	23:17:31.885	-0.0					T__	12.4			m_e	
DAVOX	0.51	196.8	Pg	23:17:35.598	1.9					T__	10.3			m_e ML	1.6
DAVOX	0.51	196.8	Sg	23:17:35.726	-4.7					T__				m_e	
PLONS	0.53	246.1	Pg	23:17:33.448	-0.7					T__	15.9			m_e	
PLONS	0.53	246.1	Sg	23:17:40.476	-0.7					T__				m_e	
PART	0.73	71.1	Pg	23:17:39.000	1.1					---				mdi ML	2.0
PART	0.73	71.1	Sg	23:17:50.200	2.9					---				mdi	
WILA	0.82	280.9	Pg	23:17:39.714	0.2					T__	25.3			m_e	
WILA	0.82	280.9	Sg	23:17:51.072	0.9					T__				m_e	
LLS	0.85	240.9	Pg	23:17:40.313	0.2					T__	9.7			m_e	
ZUR	1.03	276.3	Pg	23:17:43.592	0.1					T__	14.0			m_e	
ZUR	1.03	276.3	Sg	23:17:57.690	0.8					T__				m_e	
MUO	1.03	253.9	Pg	23:17:44.049	0.4					T__	13.4			m_e	
WTTA	1.05	89.6	Pg	23:17:44.700	0.9					T__	15.4			m_e	

MOX	1.02	94.5	Sg	11:17:19.388	1.8	T__												m_e	
TNS	1.12	243.3	Pg	11:17:06.563	0.2	T__	10.5											m_e ML	2.5
TNS	1.12	243.3	Sg	11:17:23.205	2.4	___												m_e	
CLZ	1.13	11.4	Pg	11:17:05.760	-0.7	T__	52.0											m_e ML	2.7
CLZ	1.13	11.4	Sg	11:17:21.223	0.1	T__												m_e	
NEUB	1.21	66.3	Pg	11:17:08.119	0.1	T__	14.4											m_e	
NEUB	1.21	66.3	Sg	11:17:23.555	0.0	T__												m_e	
GRA1	1.30	143.0	Pg	11:17:09.997	0.3	T__	5.5											m_e ML	2.6
GRA1	1.30	143.0	Sg	11:17:28.888	2.4	___												m_e	
ASSE	1.45	16.2	Pg	11:17:12.120	-0.5	T__	3.9											m_e ML	2.4
ASSE	1.45	16.2	Sg	11:17:31.145	-0.3	T__												m_e	
WERD	1.48	100.3	Pg	11:17:13.284	0.1	T__	16.5											m_e ML	2.5
WERD	1.48	100.3	Sg	11:17:32.568	0.2	T__												m_e	
GUNZ	1.52	103.3	Pn	11:17:12.620	-0.2	T__	11.1											m_e ML	2.7
GUNZ	1.52	103.3	Pg	11:17:13.702	-0.2	T__	11.1											m_e	
GUNZ	1.52	103.3	Sg	11:17:34.056	0.5	T__												m_e	
WERN	1.57	105.7	Pg	11:17:13.352	-1.4	___												m_e ML	2.7
WERN	1.57	105.7	Sg	11:17:35.406	0.3	___												m_e	
TANN	1.59	100.7	Pn	11:17:13.228	-0.5	T__	7.6											m_e ML	2.4
TANN	1.59	100.7	Sg	11:17:36.012	0.3	___												m_e	
CLL	1.97	71.9	Pg	11:17:21.203	-1.1	T__	9.5											m_e ML	2.6
CLL	1.97	71.9	Sg	11:17:46.537	-1.1	T__												m_e	
BRG	2.49	85.3	Pg	11:17:32.491	0.4	T__	3.8											m_e ML	2.5
GEC2	3.04	127.0	Pg	11:17:43.212	0.7	T__	5.1											m_e ML	2.7

Event 80509001 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/09	19:28:32.30	0.08	0.16	51.5000	6.7193	1.4	0.9	005	1.0f		43	17	248			m i sr	LDG	80509031
2008/05/09	19:28:32.70	0.63	0.31	51.4950	6.7090				1.0f			8	294	0.21	1.35	m i ki	BNS	80509021
2008/05/09	19:28:33.00	0.49	0.58	51.4560	6.7810	6.7	3.3	127	1.0f		10	6	191	0.30	2.26	m i ki	BGR	80509011
2008/05/09	19:28:31.90			51.5130	6.7410				1.0f							m i ki	BUG	80509001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.4	0.4	3 LDG	80509031
ML	2.4	0.2	19 LDG	80509031
ML	1.9		BNS	80509021
ML	2.0	0.3	5 BGR	80509011
ML	1.6		BUG	80509001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LAUG	0.21	141.9	Pg	19:28:36.530	0.8					___				m_e	
BUG	0.34	102.2	Pg	19:28:39.200	1.0					TA_				mde ML	1.6
BUG	0.34	102.2	Sg	19:28:44.600	2.0					TA_				m_	
HOBG	0.65	144.7	Pg	19:28:45.010	0.9					___				m_e	
KLL	0.91	197.5	Pg	19:28:49.430	0.4					___				m_e	
DREG	0.91	200.8	Pg	19:28:49.021	0.0					___	14.3			m_e	
DREG	0.91	200.8	Sg	19:29:01.654	0.9					___	8.0			m_e	
STB	0.92	176.1	Pg	19:28:50.290	1.0					___				m_e	
STB	0.92	176.1	Sg	19:29:02.480	1.3					___		35.9	0.21	m_e	
IBBN	1.01	38.0	Pg	19:28:52.175	1.2					___	2.7			m_e ML	2.2

MOX 3.18 104.5 Sg 20:43:41.505 -0.3 _____ m_e

Event 80513003 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2008/05/13	09:55:11.50	0.08	0.22	51.5314	6.5236	1.3	1.0	012	1.0f		55	20	234			m i sr	LDG	80513033	
2008/05/13	09:55:11.60	0.74	0.31	51.5470	6.5580				1.0f				9 278	0.31	1.43	m i ki	BNS	80513023	
(GESPUERT IN RHEINBERG)																			
2008/05/13	09:55:12.01	0.31	0.56	51.5190	6.5590	3.3	2.2	128	1.0f		20	13	135	0.45	3.39	m i ki	BGR	80513013	
2008/05/13	09:55:11.30			51.5150	6.5970				1.0f				188	0.02	0.43	m i ki	BUG	80513003	
(#PRIME)																			

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.3	22 LDG	80513033
ML	2.6		BNS	80513023
ML	2.7	0.2	5 BGR	80513013
ML	2.4		BUG	80513003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.02	271.8	Pg	09:55:12.200	0.6					T_				m__ ML	1.6
BRHE	0.02	271.8	Sg	09:55:13.500	1.6					T_				m__	
LAUG	0.27	127.0	Pg	09:55:17.450	1.0									m_e	
BUG	0.43	99.8	Pg	09:55:20.300	1.0					TA_				mce ML	2.4
BUG	0.43	99.8	Sg	09:55:26.900	2.1					TA_				m__	
RODG	0.45	215.3	Sg	09:55:27.420	1.7									m_i	
WTSB	0.47	15.4	Pg	09:55:21.057	0.9						6.1			m_e	
WTSB	0.47	15.4	Sg	09:55:26.909	0.7						3.4			m_e	
HOBG	0.70	138.8	Pg	09:55:25.910	1.3									m_e	
HGN	0.86	209.3	Pg	09:55:27.971	0.5						20.1			m_e	
HGN	0.86	209.3	Sg	09:55:39.830	1.2						12.5			m_e	
DREG	0.88	195.2	Pg	09:55:28.151	0.2						26.8			m_e	
DREG	0.88	195.2	Sg	09:55:40.463	1.1						12.8			m_e	
KLL	0.89	191.8	Pg	09:55:28.630	0.6									m_e	
STB	0.93	170.5	Pg	09:55:30.130	1.2									m_e	
STB	0.93	170.5	Sg	09:55:43.480	2.5							156.7	0.56	m_e	
MEM	0.98	202.5	Pg	09:55:30.149	0.4						7.9			m_e	
MEM	0.98	202.5	Sg	09:55:43.301	0.9						12.3			m_e	
IBBN	1.07	41.7	Sg	09:55:47.047	1.8						4.8			m_e ML	2.8
HILG	1.22	177.6	Pg	09:55:35.080	0.7									m_e	
KOE	1.30	146.3	Pg	09:55:36.180	0.3									m_e	
BGG	1.39	160.1	Pg	09:55:37.810	0.3									m_e	
UCC	1.45	241.1	Sn	09:55:59.589	3.0						4.6			m_e	
TNS	1.74	137.2	Pg	09:55:44.755	0.6						6.2			m_e ML	2.6
TNS	1.74	137.2	Sg	09:56:08.794	2.2						2.7			m_e	
WLF	1.87	188.8	Pg	09:55:48.217	1.6						2.6			m_e ML	2.9
WLF	1.87	188.8	Sg	09:56:10.173	-0.6						6.8			m_e	
GTTG	2.10	87.9	Sg	09:56:18.779	0.9						2.9			m_e ML	2.9
UBBA	2.24	106.7	Pg	09:55:54.832	1.2						2.4			m_e	
CLZ	2.36	80.6	Pg	09:55:56.833	1.0						3.7			m_e	
MOX	3.27	103.5	Sg	09:56:54.900	-0.3									m_e	
BFO	3.37	160.0	Pn	09:56:04.879	0.9						2.2			m_e	

Event 80521001 Eastern Tennengau/A, Hoher Dachstein

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/21	07:21:00.69	0.15	0.52	47.4372	13.6310	1.3	0.9	155	9.0	1.9	30	10	137			m i fe	ZAMG	80521011
2008/05/21	07:21:01.56	0.22	0.65	47.4870	13.5620	3.3	2.2	061	5.0f		26	17	061	0.43	4.34	m i ke	BGR	80521001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.4	11 ZAMG	80521011
ML	2.8	0.3	15 BGR	80521001

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

(Felt in Ramsau, Filzmoos, Altenmarkt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BGLD	0.41	294.2	Pg	07:21:09.100	-0.2									mdi	ML	2.6
BGLD	0.41	294.2	Sg	07:21:15.700	1.2									mdi		
KBA	0.43	199.9	Pg	07:21:09.049	-0.7					T__	62.8			m_e	ML	2.7
KBA	0.43	199.9	Sg	07:21:15.265	-0.2					T__	8.2			m_e		
RJOB	0.57	296.1	Pg	07:21:12.100	-0.3									mdi	ML	2.4
RJOB	0.57	296.1	Sg	07:21:21.366	1.5									m_e		
MOA	0.60	52.3	Pg	07:21:12.974	0.1					T__	22.5			m_e	ML	2.4
MOA	0.60	52.3	Sg	07:21:21.296	0.7					T__	5.9			m_e		
OBKA	1.19	145.1	Pg	07:21:23.235	-0.7					T__	13.0			m_e	ML	2.6
OBKA	1.19	145.1	Sg	07:21:39.518	0.2					T__	3.4			m_e		
WTTA	1.32	261.0	Pg	07:21:26.662	0.2					T__	32.4			m_e		
WTTA	1.32	261.0	Sg	07:21:46.455	2.8									m_e		
SCE	1.33	251.0	Pg	07:21:27.000	0.3									mci	ML	2.9
SCE	1.33	251.0	Sg	07:21:47.000	3.0									mci		
ARSA	1.35	99.4	Pg	07:21:26.925	-0.1					T__	5.9			m_e	ML	2.2
ARSA	1.35	99.4	Sg	07:21:44.342	-0.1					T__	5.0			m_e		
GEC2	1.36	3.9	Pn	07:21:26.400	-0.1					T__	80.5			m_e	ML	2.8
GEC2	1.36	3.9	Sg	07:21:44.723	-0.1					T__	6.3			m_e		
FUR	1.68	294.6	Sg	07:21:55.282	0.4					T__	7.1			m_e	ML	3.1
WET	1.72	344.9	Pn	07:21:31.169	-0.2					T__	33.5			m_e	ML	2.7
WET	1.72	344.9	Sg	07:21:55.131	-1.0					T__	4.2			m_e		
ROTZ	2.45	339.1	Pn	07:21:40.597	-0.6									m_e	ML	2.6
ROTZ	2.45	339.1	Pg	07:21:47.300	-0.4									mdi		
MGBB	2.64	340.8	Pn	07:21:43.600	-0.2									mci	ML	2.8
GRA1	2.69	325.8	Pg	07:21:52.058	-0.3					T__	4.5			m_e	ML	3.2
GRA1	2.69	325.8	Sg	07:22:25.890	-1.3					T__	4.4			m_e		
GUNZ	2.99	344.8	Pn	07:21:49.224	0.7					T__	2.4			m_e	ML	2.9
TANN	3.02	346.5	Pn	07:21:49.463	0.5					T__	6.8			m_e	ML	3.0
TANN	3.02	346.5	Pg	07:21:57.536	-0.9					T__	9.6			m_e		
WERD	3.07	344.9	Pn	07:21:50.313	0.6					T__	4.7			m_e	ML	3.0
BRG	3.40	4.1	Sg	07:22:49.322	-0.1					T__	4.7			m_e	ML	3.0
MOX	3.41	338.7	Pn	07:21:53.744	-0.5					T__	13.3			m_e	ML	3.1
MOX	3.41	338.7	Sn	07:22:33.500	1.3									m_e		
MOX	3.41	338.7	Sg	07:22:50.000	0.3									m_e		
BFO	3.61	285.4	Pn	07:21:57.895	1.0					T__	2.3			m_e	ML	3.1
BFO	3.61	285.4	Sn	07:22:36.644	-0.3					T__	3.2			m_e		

CLL	3.84	354.8	Pn	07:22:00.375	0.3	T__	3.0	m_e	ML	2.5
CLL	3.84	354.8	Sg	07:23:04.000	0.5	---		m_i		
TNS	4.34	311.0	Pn	07:22:08.157	1.3	T__	8.1	m_e		

Event 80521002 Eastern Tennengau/A, Hoher Dachstein

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/21	13:39:56.70			47.4900	13.5080				1.0							m i uk	NEIC	80521032
2008/05/21	13:39:57.00	0.15	0.94	47.4997	13.6631	4.5	2.9	016	2.0	0.0	69	25	045			m i ke	LDG	80521022
2008/05/21	13:39:56.95	0.10	0.35	47.4521	13.5974	0.9	0.6	172	9.2	1.1	47	12	136			m i fe	ZAMG	80521012
2008/05/21	13:39:57.79	0.21	0.74	47.4920	13.5510	2.2	2.2	056	5.0f		37	21	062	0.44	4.81	m i ke	BGR	80521002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.2		NEIC	80521032
ML	3.5	0.2	15 LDG	80521022
ML	3.6	0.5	17 ZAMG	80521012
ML	3.5	0.3	19 BGR	80521002

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		4.0	EMS	ZAMG

(Widely felt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BGLD	0.40	294.0	Pg	13:40:05.300	-0.0					---				mci	ML 3.2
BGLD	0.40	294.0	Sg	13:40:11.700	1.2					---				mci	
KBA	0.44	198.8	Pg	13:40:05.462	-0.6					T__	165.3			m_e	ML 3.3
KBA	0.44	198.8	Sg	13:40:11.889	0.2					T__	6.2			m_e	
RJOB	0.57	296.0	Pg	13:40:08.500	0.0					---				mci	ML 2.9
RJOB	0.57	296.0	Sg	13:40:17.681	1.9					---				m_e	
MOA	0.60	53.1	Pg	13:40:09.192	0.1					T__	122.3			m_e	ML 2.9
MOA	0.60	53.1	Sg	13:40:17.811	0.9					T__	5.9			m_e	
OBKA	1.20	144.9	Pg	13:40:19.238	-1.1					T__	31.3			m_e	ML 3.1
OBKA	1.20	144.9	Sg	13:40:35.735	-0.1					T__	3.2			m_e	
WTTA	1.32	260.7	Pg	13:40:22.719	0.1					T__	86.8			m_e	
SCE	1.33	250.7	Pg	13:40:22.200	-0.6					---				mci	ML 3.4
SCE	1.33	250.7	Sg	13:40:40.400	0.4					---				mci	
GEC2	1.36	4.2	Pg	13:40:23.344	-0.0					T__	348.7			m_e	ML 3.4
GEC2	1.36	4.2	Sg	13:40:41.834	0.9					T__	7.9			m_e	
ARSA	1.36	99.5	Pg	13:40:23.470	0.1					T__	15.2			m_e	ML 2.7
ARSA	1.36	99.5	Sg	13:40:41.008	0.1					T__	2.7			m_e	
FUR	1.67	294.5	Pg	13:40:29.447	0.2					T__	3.3			m_e	ML 3.6
FUR	1.67	294.5	Sg	13:40:51.326	0.5					T__	7.6			m_e	
WET	1.71	345.1	Pn	13:40:27.534	0.1					T__	168.2			m_e	ML 3.5
WET	1.71	345.1	Pg	13:40:30.028	-0.0					T__	6.7			m_e	
WET	1.71	345.1	Sg	13:40:52.030	-0.1					T__	5.1			m_e	
ROTZ	2.44	339.2	Pn	13:40:37.089	-0.3					---				m_e	ML 3.5
DAVA	2.49	266.6	Pn	13:40:39.224	1.2					---				m_e	
MGBB	2.63	340.9	Pn	13:40:39.800	-0.1					---				m di	ML 3.4
GRA1	2.69	325.9	Pn	13:40:41.227	0.6					---				m_e	ML 3.8
GRA1	2.69	325.9	Pg	13:40:48.582	0.2					T__	7.3			m_e	
GRA1	2.69	325.9	Sg	13:41:22.327	-0.8					T__	5.2			m_e	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5		NEIC	80521023
ML	2.7	0.4	12 ZAMG	80521013
ML	2.6	0.4	12 BGR	80521003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BGLD	0.40	295.1	Pg	15:32:11.100	-0.1					---				m_e	ML	2.4
BGLD	0.40	295.1	Sg	15:32:17.600	1.2					---				m_e		
KBA	0.43	198.7	Pg	15:32:11.308	-0.5					T_	37.4			m_e	ML	2.3
KBA	0.43	198.7	Sg	15:32:17.642	0.3					T_	3.8			m_e		
RJOB	0.57	296.7	Pg	15:32:14.200	-0.2					---				m_e	ML	2.1
RJOB	0.57	296.7	Sg	15:32:23.500	1.8					---				m_e		
MOA	0.61	52.8	Pg	15:32:15.093	-0.0					T_	26.8			m_e	ML	2.0
MOA	0.61	52.8	Sg	15:32:23.487	0.5					T_	4.0			m_e		
OBKA	1.19	144.6	Pg	15:32:25.519	-0.6					T_	7.7			m_e	ML	2.3
OBKA	1.19	144.6	Sg	15:32:41.528	-0.0					T_	3.1			m_e		
WTTA	1.31	261.0	Pg	15:32:28.397	-0.0					T_	16.3			m_e		
ARSA	1.36	99.2	Pg	15:32:29.389	0.1					T_	4.3			m_e	ML	1.9
ARSA	1.36	99.2	Sg	15:32:47.455	0.6					T_	4.6			m_e		
GEC2	1.36	4.3	Pg	15:32:29.114	-0.3					T_	58.4			m_e	ML	2.7
GEC2	1.36	4.3	Sg	15:32:47.662	0.6					T_	9.5			m_e		
FUR	1.67	294.8	Sg	15:32:57.443	0.7					T_	4.9			m_e	ML	2.9
WET	1.72	345.2	Pn	15:32:33.290	-0.1					T_	3.1			m_e	ML	2.7
WET	1.72	345.2	Pg	15:32:35.821	-0.2					T_	5.8			m_e		
WET	1.72	345.2	Sg	15:32:57.849	-0.4					T_	7.1			m_e		
MGBB	2.64	341.0	Pn	15:32:45.700	-0.2					---				m_e	ML	2.6
GRA1	2.69	326.0	Pn	15:32:47.060	0.4					---				m_e	ML	3.0
GRA1	2.69	326.0	Pg	15:32:54.323	-0.0					T_	3.5			m_e		
GRA1	2.69	326.0	Sg	15:33:28.060	-1.1					T_	4.3			m_e		
GUNZ	2.99	345.0	Pg	15:32:58.689	-1.3					T_	4.4			m_e	ML	2.7
TANN	3.02	346.7	Pn	15:32:51.607	0.6					---				m_e		
WERD	3.07	345.1	Pn	15:32:52.530	0.7					T_	2.4			m_e	ML	2.8
MOX	3.40	338.9	Pn	15:32:56.031	-0.3					T_	9.0			m_e	ML	2.9
MOX	3.40	338.9	Sn	15:33:36.000	1.8					---				m_e		
MOX	3.40	338.9	Sg	15:33:52.200	0.4					---				m_e		
BFO	3.60	285.5	Sn	15:33:39.039	0.2					T_	2.1			m_e	ML	2.9
CLL	3.84	354.9	Pn	15:33:02.000	-0.2					---				m_e	ML	2.4
CLL	3.84	354.9	Pg	15:33:17.000	1.0					---				m_e		
CLL	3.84	354.9	Sg	15:34:07.000	1.4					---				m_e		
TNS	4.33	311.1	Pn	15:33:10.358	1.5					T_	4.2			m_e		

Event 80524304 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/24	08:24:21.00		0.50	51.5080	6.5770				1.0f		26	12	239			m i sr	LDG	80524334
2008/05/24	08:24:21.00	0.78	0.31	51.5080	6.5770				1.0f			7	293	0.28	1.39	m i ki	BNS	80524324
2008/05/24	08:24:19.21	0.88		51.5190	6.5160	13.3	5.6	126	1.0f		6	4	216	0.48	1.87	m i ki	BGR	80524314
2008/05/24	08:24:21.10			51.4890	6.6230				1.0f							m i ki	BUG	80524304

(#PRIME)

STB	0.95	175.9	Sg	13:08:53.880	4.6	---	41.1	0.41	m_e										
IBBN	0.99	39.3	Sn	13:08:53.413	-0.2	---			m_e	ML	2.2								
HILG	1.25	181.6	Pg	13:08:45.130	2.5	---			m_e										
KOE	1.28	150.3	Pg	13:08:44.450	1.2	---			m_e										
BGG	1.39	163.9	Pg	13:08:46.320	1.1	---			m_e										
TNS	1.71	140.1	Pg	13:08:51.407	0.2	---	3.2		m_e	ML	2.4								
TNS	1.71	140.1	Sg	13:09:13.831	0.6	---	2.6		m_e										
GTTG	2.01	88.7	Sg	13:09:21.803	-1.0	---	3.0		m_e										

Event 80525310 Innsbruck, Hall/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2008/05/25	23:33:33.49	0.12	0.19	47.3527	11.3971	0.8	0.6	038	10.1	1.3	23	8	170			m i uk	ZAMG	80525320
2008/05/25	23:33:33.83	0.54		47.3370	11.3710	13.3	6.7	001	6.4	5.6	12	9	155	0.19	3.47	m i ke	BGR	80525310

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	12 ZAMG	80525320
ML	2.1		BGR	80525310

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.19	112.0	Pg	23:33:37.367	-0.3					T_				m_e	ML 1.4
WTTA	0.19	112.0	Sg	23:33:40.707	0.4					T_				m_e	
PART	0.24	312.6	Pg	23:33:38.700	0.3					---				mdi	ML 1.8
PART	0.24	312.6	Sg	23:33:42.600	1.0					---				mdi	
SCE	0.38	142.2	Pg	23:33:41.300	0.3					---				mdi	ML 2.0
SCE	0.38	142.2	Sg	23:33:46.800	0.8					---				mdi	
FUR	0.83	355.6	Pg	23:33:49.300	-0.2					T_				m_e	ML 2.7
FUR	0.83	355.6	Sg	23:34:00.948	0.7					---	15.5			m_e	
DAVA	1.01	267.7	Pn	23:33:54.219	0.4					T_				m_e	ML 2.0
RJOB	1.04	66.9	Pn	23:33:53.771	-0.5					T_				m_e	ML 2.2
RJOB	1.04	66.9	Sg	23:34:10.636	3.7					T_				m_e	
BGLD	1.15	73.5	Pg	23:33:56.200	0.6					---				mdi	ML 2.1
BGLD	1.15	73.5	Sg	23:34:12.900	2.4					---				mdi	
MOA	2.02	74.2	Sg	23:34:37.109	-0.9					T_				m_e	
WET	2.07	28.5	Pn	23:34:07.197	-1.0					T_				m_e	
WET	2.07	28.5	Sn	23:34:32.384	-0.3					T_				m_e	
WET	2.07	28.5	Sg	23:34:37.617	-1.9					---	1.8			m_e	
GRA1	2.36	357.7	Pg	23:34:17.627	-0.6					T_				m_e	
GUNZ	3.09	11.4	Pg	23:34:30.987	-1.1					---	2.5			m_e	
GUNZ	3.09	11.4	Sg	23:35:10.561	-1.5					---	3.0			m_e	
TANN	3.16	12.7	Pg	23:34:31.904	-1.5					T_				m_e	
MOX	3.31	2.7	Sn	23:35:02.200	0.2					---				m_e	
MOX	3.31	2.7	Sg	23:35:17.500	-1.6					---				m_e	
TNS	3.47	327.4	Pn	23:34:27.714	0.5					T_				m_e	
CLL	4.11	14.4	Pg	23:34:50.000	-1.3					---				m_e	
CLL	4.11	14.4	Sg	23:35:42.000	-2.4					---				m_e	

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Author	ArrID
	CLL			2008/05/03	12:20:49.000	Sg						m_e	CLL	
	SCE			2008/05/07	06:18:53.900	Pg						mdi	SCE	
	SCE			2008/05/07	06:19:11.200	Sg						mdi	SCE	
	CLL			2008/05/15	22:02:47.200	Sg						m_i	CLL	