

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 1006001 Zeitz, N of Gera

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/06	03:08:49.10	0.10	0.81	51.1595	12.2090	2.1	1.5	178	10.0f		64	13	079			m i ke	LDG	1006031
2010/10/06	03:08:50.20	0.52	0.21	51.1450	12.2960				4.0f			6	151	0.47	3.49	m i ke	BNS	1006021
2010/10/06	03:08:49.34	0.24	0.68	51.1570	12.2540	2.2	2.2	047	10.0f		35	23	117	0.30	4.16	m i ke	BGR	1006011
2010/10/06	03:08:50.30	0.91	0.29	51.1480	12.2520				11.0	2.5		15	062	0.25	2.19	m i ke	CLL	1006001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.4	15 LDG	1006031
ML	2.8		BNS	1006021
ML	3.1	0.2	24 BGR	1006011
ML	2.9	0.2	15 CLL	1006001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
MODW	0.25	146.4	Pg	03:08:55.110	-0.2									m _d i	ML	2.8
MODW	0.25	146.4	Sg	03:08:58.710	-0.0									m _e		
NEUB	0.30	281.6	Pg	03:08:56.300	-0.0									m _d i	ML	3.0
NEUB	0.30	281.6	Sg	03:09:00.710	0.2									m _e		
HKWD	0.32	178.2	Pg	03:08:56.240	-0.3									m _c i	ML	3.3
HKWD	0.32	178.2	Sg	03:09:01.010	0.1									m _i		
MLFH	0.37	196.8	Pg	03:08:57.150	-0.4									m _c i		
MLFH	0.37	196.8	Sg	03:09:01.960	-0.6									m _e		
TAUT	0.38	244.1	Pg	03:08:57.160	-0.5									m _c i	ML	2.7
TAUT	0.38	244.1	Sg	03:09:02.440	-0.3									m _i		
SCHF	0.48	168.5	Pg	03:08:59.110	-0.4									m _d e	ML	3.1
SCHF	0.48	168.5	Sg	03:09:05.510	-0.4									m _i		
CLL	0.50	70.9	Pg	03:08:59.390	-0.4									m _c i	ML	3.1
CLL	0.50	70.9	Sg	03:09:06.070	-0.3									m _i		
WIMM	0.60	308.9	Pg	03:09:00.990	-0.7									m _d i	ML	2.4
MOX	0.64	218.8	Pg	03:09:01.990	-0.6									m _c i	ML	2.9
MOX	0.64	218.8	Sg	03:09:10.980	-0.0									m _e		
PLN	0.67	185.2	Pg	03:09:02.210	-0.8									m _c i	ML	2.8
PLN	0.67	185.2	Sg	03:09:11.480	-0.2									m _e		
WERD	0.70	177.2	Pg	03:09:03.080	-0.6									m _c i	ML	3.0
WERD	0.70	177.2	Sg	03:09:12.800	0.0									m _e		
FBE	0.73	107.7	Pg	03:09:03.650	-0.5									m _d i	ML	2.7
FBE	0.73	107.7	Sg	03:09:13.180	-0.5									m _e		
HWTS	0.74	221.8	Pg	03:09:03.570	-0.8									m _d e		
HWTS	0.74	221.8	Sg	03:09:13.410	-0.7									m _e		
MULD	0.74	172.5	Pg	03:09:03.860	-0.6									m _e	ML	2.8
MULD	0.74	172.5	Sg	03:09:13.200	-0.9									m _i		
TANN	0.74	169.7	Pg	03:09:04.190	-0.3									m _c i	ML	3.1
TANN	0.74	169.7	Sg	03:09:14.300	0.1									m _i		
GUNZ	0.79	176.3	Pg	03:09:04.740	-0.5									m _c i	ML	2.9
GUNZ	0.79	176.3	Sg	03:09:15.060	-0.4									m _i		
TRIB	0.80	185.3	Pg	03:09:04.850	-0.6									m _i	ML	2.7
TRIB	0.80	185.3	Sg	03:09:15.680	-0.2									m _e		
WERN	0.86	174.7	Pg	03:09:06.120	-0.6									m _c i	ML	3.0
WERN	0.86	174.7	Sg	03:09:17.650	-0.3									m _i		
SCHD	0.90	227.4	Pg	03:09:06.490	-0.8									m _c i	ML	3.4

SCHD	0.90	227.4	Sg	03:09:18.820	-0.2	---	m_e		
ROHR	0.91	177.4	Pg	03:09:06.810	-0.8	---	mci ML	3.0	
ROHR	0.91	177.4	Sg	03:09:18.690	-0.8	---	m_e		
NKC	0.92	172.2	Pg	03:09:06.960	-0.8	---	mci		
NKC	0.92	172.2	Sg	03:09:19.200	-0.6	---	m_e		
VIEL	0.97	185.7	Pn	03:09:08.110	-1.1	---	m_e		
VIEL	0.97	185.7	Pg	03:09:07.620	-1.0	---	mci		
VIEL	0.97	185.7	Sg	03:09:20.690	-0.5	---	m_e		
BRG	1.10	103.8	Pg	03:09:09.720	-1.4	---	mdi ML	3.0	
BRG	1.10	103.8	Sg	03:09:24.670	-0.7	---	m_i		
MANZ	1.17	184.5	Pn	03:09:10.490	-1.4	---	mdi		
MANZ	1.17	184.5	Pg	03:09:11.180	-1.2	---	m_e		
MANZ	1.17	184.5	Sg	03:09:27.090	-0.4	---	m_i		
FLT1	1.34	332.4	Pn	03:09:12.580	-1.6	---	m_e		
FLT1	1.34	332.4	Pg	03:09:13.780	-1.8	---	m_e		
FLT1	1.34	332.4	Sg	03:09:31.130	-1.8	---	m_e		
CLZ	1.36	301.4	Pn	03:09:14.240	-0.3	---	mde ML	2.5	
CLZ	1.36	301.4	Pg	03:09:15.340	-0.7	---	m_i		
CLZ	1.36	301.4	Sg	03:09:32.640	-1.0	---	m_i		
ROTZ	1.38	181.2	Pn	03:09:13.700	-1.1	---	mci ML	3.2	
ROTZ	1.38	181.2	Pg	03:09:15.440	-1.0	---	m_i		
ROTZ	1.38	181.2	Sg	03:09:32.910	-1.4	---	m_i		
VITZ	1.38	260.0	Pg	03:09:14.930	-1.5	---	m_e		
VITZ	1.38	260.0	Sg	03:09:33.440	-0.9	---	m_e		
ASSE	1.39	315.7	Pg	03:09:14.770	-1.7	---	mci ML	2.8	
ASSE	1.39	315.7	Sg	03:09:33.330	-1.2	---	m_i		
PVCC	1.59	112.1	Pn	03:09:16.690	-0.9	---	m_e		
PVCC	1.59	112.1	Pg	03:09:18.440	-1.9	---	m_e		
PVCC	1.59	112.1	Sg	03:09:40.170	-0.7	---	m_e		
GRA1	1.60	204.7	Pn	03:09:16.390	-1.3	---	mci ML	3.0	
GRA1	1.60	204.7	Pg	03:09:19.640	-0.8	---	m_i		
GRA1	1.60	204.7	Sg	03:09:40.520	-0.6	---	m_e		
RUE	1.63	34.8	Pg	03:09:20.120	-0.9	---	m_e		
RUE	1.63	34.8	Sg	03:09:41.320	-0.8	---	m_e		
PRU	1.86	127.7	Pn	03:09:20.240	-1.0	---	mdi		
PRU	1.86	127.7	Pg	03:09:23.870	-1.5	---	m_e		
PRU	1.86	127.7	Sg	03:09:48.560	-0.9	---	m_e		
WET	2.04	168.4	Pn	03:09:22.760	-1.0	---	m_e ML	3.2	
WET	2.04	168.4	Sg	03:09:53.700	-1.6	---	m_e		
KHC	2.19	156.6	Pn	03:09:26.430	0.7	---	m_e		
KHC	2.19	156.6	Pg	03:09:29.870	-1.7	---	m_e		
KHC	2.19	156.6	Sg	03:09:57.130	-2.8	---	m_e		
GEC2	2.48	157.4	Sg	03:10:06.689	-2.6	---	m_e ML	3.2	
TNS	2.58	250.5	Sg	03:10:11.165	-1.2	---	m_e ML	3.2	
KOE	2.95	257.6	Pn	03:09:36.800	0.8	---	m_e		
BUG	3.13	277.3	Sg	03:10:26.221	-3.5	---	m_e ML	3.3	
BGG	3.25	255.1	Pn	03:09:41.100	0.9	---	m_e		
STB	3.46	262.9	Pn	03:09:44.300	1.3	---	m_e		
STB	3.46	262.9	Sn	03:10:24.600	3.6	13.3 0.66	m_e		
BFO	3.79	223.5	Pn	03:09:45.213	-2.2	---	m_e ML	3.3	
BFO	3.79	223.5	Pg	03:10:00.515	-1.2	---	m_e		
BFO	3.79	223.5	Sg	03:10:49.694	-1.0	---	m_e		
WLF	4.16	251.5	Sg	03:11:00.457	-2.0	---	m_e		

Event 1006003 Dorsten, N of Bottrop

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/06	21:59:22.70	0.26	0.11	51.5460	6.9290				1.0f			3	320			m i ki	GDNRW	1006033
2010/10/06	21:59:23.10	0.73	0.21	51.5410	6.8180				1.0f			5	310	0.21	1.25	m i ki	BNS	1006023
2010/10/06	21:59:22.40	0.84	0.51	51.5370	6.7610	10.0	5.6	115	1.0f	6	5	206	0.33	1.91	m i ki	BGR	1006013	
2010/10/06	21:59:21.30			51.6740	6.9460				1.0f				277	0.07	0.31	m i ki	BUG	1006003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		GDNRW	1006033
ML	1.8		BNS	1006023
ML	2.1	0.2	5 BGR	1006013
ML	1.8		BUG	1006003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ZERL	0.07	221.7	Pg	21:59:21.900	-0.8					T__				m__	ML	1.3
ZERL	0.07	221.7	Sg	21:59:23.100	-0.5					T__				m__		
BUG	0.31	139.1	Pg	21:59:28.100	1.0					TA__				m_e	ML	1.8
BUG	0.31	139.1	Sg	21:59:32.800	1.7					TA__				m__		
LAUG	0.32	180.2	Pg	21:59:26.860	-0.5					---				m_e		
HOBG	0.73	160.5	Pg	21:59:35.710	0.6					---				m_e		
IBBN	0.81	38.1	Sg	21:59:53.718	6.8					---				m_e	ML	2.1
WBS	0.89	166.2	Sg	21:59:48.411	-1.3					---		20.1	0.12	m_e		
GSH	1.00	200.9	Pg	21:59:39.936	-0.3					---				m_e		
GSH	1.00	200.9	Sg	21:59:51.858	-1.3					---		17.8	0.27	m_e		
STB	1.08	183.6	Pg	21:59:41.280	-0.4					---				m_e		
STB	1.08	183.6	Sg	21:59:54.350	-1.3					---		43.6	0.32	m_e		
KLL	1.10	201.4	Pg	21:59:40.990	-1.1					---				m_e		
AHRW	1.14	175.8	Pg	21:59:42.534	-0.2					---				m_e	ML	2.2
OLFT	1.23	195.8	Pg	21:59:43.764	-0.6					---				m_e		
OLFT	1.23	195.8	Sg	21:59:58.818	-1.4					---				m_e		
HILG	1.39	187.0	Pg	21:59:46.210	-1.3					---				m_e		
TNS	1.73	146.3	Sg	22:00:16.067	-0.3					---				m_e	ML	2.1
WLF	2.07	194.4	Sg	22:00:22.747	-4.4					---				m_e	ML	2.4

Event 1007007 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/07	00:50:41.00	0.69	0.41	51.5690	16.5540				1.0f			8	349	5.67	6.49	m i ki	BNS	1007017
2010/10/07	00:50:44.88	0.48	0.55	51.5360	16.0760	4.4	2.2	027	1.0f		33	14	252	0.71	3.59	m i ki	BGR	1007007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.7		BNS	1007017
ML	3.9	0.3	14 BGR	1007007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
KSP	0.71	168.8	Pg	00:50:58.173	-0.0					T__				m_e	ML	3.2
KSP	0.71	168.8	Sg	00:51:07.913	0.6					T__				m_e		

DPC	1.20	172.5	Pg	00:51:06.998	-0.4	T__	m_e	ML	4.1
DPC	1.20	172.5	Sg	00:51:22.934	0.1	T__	m_e		
BRG	1.49	244.5	Pn	00:51:11.226	-0.8	T__	m_e	ML	3.8
BRG	1.49	244.5	Pg	00:51:13.012	0.0	T__	m_e		
BRG	1.49	244.5	Sg	00:51:33.030	0.8	T__	m_e		
FBE	1.81	251.2	Pn	00:51:15.809	-0.6	T__	m_e	ML	3.6
FBE	1.81	251.2	Pg	00:51:18.357	-0.7	T__	m_e		
FBE	1.81	251.2	Sg	00:51:42.501	0.1	T__	m_e		
CLL	1.93	264.4	Pn	00:51:17.112	-0.9	T__	m_e	ML	3.7
CLL	1.93	264.4	Pg	00:51:20.896	-0.4	T__	m_e		
CLL	1.93	264.4	Sg	00:51:46.371	0.2	T__	m_e		
TANN	2.54	245.2	Pn	00:51:26.251	0.0	T__	m_e	ML	3.9
TANN	2.54	245.2	Pg	00:51:33.616	0.9	T__	m_e		
TANN	2.54	245.2	Sg	00:52:05.761	0.3	T__	m_e		
WERD	2.61	246.8	Pn	00:51:27.276	0.1	T__	m_e	ML	3.8
WERD	2.61	246.8	Pg	00:51:33.551	-0.5	T__	m_e		
WERD	2.61	246.8	Sg	00:52:07.832	0.0	T__	m_e		
MOX	2.94	254.1	Pn	00:51:31.559	-0.1	T__	m_e	ML	4.3
MOX	2.94	254.1	Pg	00:51:40.052	-0.2	T__	m_e		
MOX	2.94	254.1	Sg	00:52:18.607	0.4	T__	m_e		
MANZ	2.95	239.9	Pn	00:51:32.384	0.6	T__	m_e	ML	4.1
MANZ	2.95	239.9	Pg	00:51:40.912	0.5	T__	m_e		
MANZ	2.95	239.9	Sg	00:52:18.523	-0.0	T__	m_e		
ROTZ	3.02	235.7	Pn	00:51:33.047	0.2	T__	m_e	ML	3.9
GEC2	3.09	210.4	Pn	00:51:34.097	0.4	T__	m_e	ML	4.0
GEC2	3.09	210.4	Pg	00:51:42.977	-0.1	T__	m_e		
GEC2	3.09	210.4	Sg	00:52:21.844	-1.2	T__	m_e		
WET	3.14	221.7	Pn	00:51:34.752	0.3	T__	m_e	ML	3.9
CLZ	3.55	277.2	Pn	00:51:40.648	0.7	T__	m_e	ML	4.0
GRA1	3.59	241.0	Pn	00:51:40.917	0.4	T__	m_e	ML	4.6
GRA1	3.59	241.0	Sg	00:52:40.302	1.4	T__	m_e		
KOE	5.37	261.3	Pn	00:52:05.000	0.4	---	m_e		
HOBG	5.50	267.7	Pn	00:52:06.800	0.5	---	m_e		
BNS	5.60	267.6	Pn	00:52:08.400	0.7	---	m_e		
BGG	5.67	259.9	Pn	00:52:09.700	1.0	---	m_e		
LAUG	5.69	271.7	Pn	00:52:10.000	1.0	---	m_e		
STB	5.88	264.4	Pn	00:52:13.000	1.5	---	m_e		
STB	5.88	264.4	Sn	00:53:21.600	7.3	---	26.1	0.75	m_e
HILG	6.05	261.8	Pn	00:52:14.800	0.9	---	m_e		
KLL	6.19	265.6	Pn	00:52:16.300	0.5	---	m_e		

Event 1011006 Western Kitzbuehler Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/11	17:47:30.80	0.07	0.12	47.3086	12.0844	0.8	0.5	176	8.1	1.0	24	8	077			m i uk	ZAMG	1011016
2010/10/11	17:47:32.09	0.36	0.55	47.3050	12.1160	5.6	2.2	170	10.0f		15	8	158	0.33	1.91	m i ke	BGR	1011006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	11 ZAMG	1011016
ML	1.8	0.4	7 BGR	1011006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.33	263.0	Pg	17:47:37.425	-1.1					T__				m_e	ML 1.2
WTTA	0.33	263.0	Sg	17:47:43.386	0.5					T__				m_e	
RJOB	0.63	46.5	Pg	17:47:43.894	-0.2					T__				m_e	ML 1.5
RJOB	0.63	46.5	Sg	17:47:52.556	0.2					T__				m_e	
KBA	0.87	104.7	Sg	17:48:00.541	0.8					T__				m_e	
FUR	1.03	326.9	Pg	17:47:51.308	-0.2					T__				m_e	ML 2.4
FUR	1.03	326.9	Sg	17:48:04.688	-0.2					T__				m_e	
DAVA	1.52	270.1	Pg	17:48:00.506	-0.2					T__				m_e	ML 1.8
DAVA	1.52	270.1	Sg	17:48:21.174	0.8					T__				m_e	
MOA	1.55	68.6	Pg	17:48:00.976	-0.4					T__				m_e	ML 1.6
MOA	1.55	68.6	Sg	17:48:20.732	-0.7					T__				m_e	
GEC2	1.87	33.9	Pn	17:48:03.273	-0.0					T__				m_e	ML 2.0
GEC2	1.87	33.9	Sn	17:48:25.797	0.2					T__				m_e	
WET	1.91	15.2	Pn	17:48:03.485	-0.4					T__				m_e	ML 2.0
WET	1.91	15.2	Sn	17:48:27.224	0.7					T__				m_e	

Event 1012010 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
2010/10/12	13:31:32.22	0.24	0.52	47.3431	11.6743	2.2	1.3	023	9.7	2.0	22	10	029			m i uk	ZAMG	1012020
2010/10/12	13:31:33.45	0.23	1.31	47.3600	11.7150	4.4	3.3	176	10.0f		31	17	096	0.11	2.47	m i ke	BGR	1012010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.3	14 ZAMG	1012020
ML	2.2	0.3	10 BGR	1012010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.11	209.0	Pg	13:31:35.436	-0.7					T__				m_e	
WTTA	0.11	209.0	Sg	13:31:37.846	-0.1					T__				m_e	
RJOB	0.82	62.3	Pg	13:31:50.630	1.6					T__				m_e	ML 2.3
RJOB	0.82	62.3	Sg	13:32:01.981	2.3					T__				m_e	
FUR	0.86	339.9	Pg	13:31:50.826	1.2					T__				m_e	ML 2.7
FUR	0.86	339.9	Sg	13:32:04.217	3.4					T__				m_e	
KBA	1.14	103.7	Pg	13:31:54.257	-0.8					T__				m_e	ML 1.7
KBA	1.14	103.7	Sg	13:32:09.185	-0.7					T__				m_e	
DAVA	1.25	267.3	Pg	13:31:56.777	-0.2					T__				m_e	ML 2.0
DAVA	1.25	267.3	Sg	13:32:14.112	1.0					T__				m_e	
GRC2	1.52	351.6	Sg	13:32:20.915	-1.1					T__				m_e	
GRC3	1.53	356.8	Pn	13:32:00.802	0.7					T__				m_e	ML 2.3
GRC3	1.53	356.8	Sn	13:32:18.697	-0.4					T__				m_e	
GRC3	1.53	356.8	Sg	13:32:21.295	-0.9					T__				m_e	
PLONS	1.62	259.8	Sg	13:32:25.557	0.7					T__				m_e	ML 2.0
GRC4	1.73	355.9	Sn	13:32:23.345	-0.4					T__				m_e	ML 2.2
GRC4	1.73	355.9	Sg	13:32:27.355	-1.2					T__				m_e	
GRB5	1.75	359.2	Sg	13:32:27.844	-1.3					T__				m_e	
MOA	1.79	73.2	Pg	13:32:06.008	-1.2					T__				m_e	ML 2.3
MOA	1.79	73.2	Sn	13:32:27.946	2.9					T__				m_e	
MOA	1.79	73.2	Sg	13:32:30.441	0.1					T__				m_e	
WILA	1.90	272.7	Sg	13:32:33.260	-0.7					T__				m_e	ML 2.5
GRB2	1.91	359.1	Sg	13:32:32.908	-1.3					T__				m_e	

WET	1.94	23.0	Pn	13:32:05.020	-0.7	T__	m_e		
WET	1.94	23.0	Pg	13:32:08.876	-1.3	T__	m_e		
WET	1.94	23.0	Sn	13:32:28.655	-0.1	T__	m_e		
GEC2	1.99	41.0	Pg	13:32:09.349	-1.7	T__	m_e	ML	2.2
GEC2	1.99	41.0	Sn	13:32:31.421	1.6	T__	m_e		
GEC2	1.99	41.0	Sg	13:32:35.699	-1.1	T__	m_e		
OBKA	2.11	112.7	Sg	13:32:40.319	-0.3	T__	m_e		
BFO	2.47	294.4	Pn	13:32:14.080	1.2	T__	m_e		

Event 1012011 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/12	16:02:12.50	0.53	0.21	51.2870	16.4510				10.0f				6 349	2.16	6.41	m i ke	BNS	1012021
2010/10/12	16:02:14.34	0.22	0.99	51.5670	16.1160	3.3	2.2	025	1.0f		88	39 173	0.73	6.60	m i ki	BGR	1012011	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.4		BNS	1012021
ML	3.8	0.4	38 BGR	1012011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.73	171.2	Pg	16:02:27.876	-0.3					T__				m_e	ML 3.1
KSP	0.73	171.2	Sg	16:02:38.083	0.5					T__				m_e	
DPC	1.22	173.8	Pg	16:02:36.633	-0.8					T__				m_e	ML 3.7
DPC	1.22	173.8	Sg	16:02:53.371	0.2					T__				m_e	
PVCC	1.42	223.7	Pn	16:02:40.124	-0.5					T__				m_e	ML 3.9
PVCC	1.42	223.7	Sg	16:03:00.243	0.7					T__				m_e	
BRG	1.53	243.8	Pn	16:02:41.011	-1.0					T__				m_e	ML 3.6
BRG	1.53	243.8	Pg	16:02:42.758	-0.4					T__				m_e	
BRG	1.53	243.8	Sg	16:03:02.873	-0.0					T__				m_e	
RUE	1.70	303.2	Pg	16:02:43.606	-2.8					T__				m_e	ML 3.5
RUE	1.70	303.2	Sg	16:03:08.691	0.3					T__				m_e	
FBE	1.85	250.6	Pn	16:02:45.592	-0.7					T__				m_e	ML 3.3
FBE	1.85	250.6	Pg	16:02:48.755	-0.4					T__				m_e	
FBE	1.85	250.6	Sg	16:03:12.871	-0.1					T__				m_e	
PRU	1.87	212.8	Pn	16:02:46.016	-0.6					T__				m_e	ML 2.8
CLL	1.96	263.6	Pn	16:02:46.947	-0.9					T__				m_e	ML 3.5
CLL	1.96	263.6	Pg	16:02:50.164	-1.1					T__				m_e	
CLL	1.96	263.6	Sg	16:03:16.614	0.1					T__				m_e	
MORC	2.01	152.7	Pn	16:02:48.064	-0.4					T__				m_e	ML 3.9
MORC	2.01	152.7	Sg	16:03:18.086	0.0					T__				m_e	
OKC	2.16	142.6	Pn	16:02:49.771	-0.7					T__				m_e	ML 3.7
OKC	2.16	142.6	Pg	16:02:54.523	-0.4					T__				m_e	
OKC	2.16	142.6	Sg	16:03:21.556	-1.3					T__				m_e	
VRAC	2.28	172.1	Pn	16:02:52.408	0.2					T__				m_e	ML 3.4
VRAC	2.28	172.1	Pg	16:02:56.988	-0.3					T__				m_e	
VRAC	2.28	172.1	Sg	16:03:26.091	-0.7					T__				m_e	
KRUC	2.51	175.8	Pn	16:02:56.078	0.7					T__				m_e	ML 3.5
KRUC	2.51	175.8	Pg	16:03:00.625	-1.0					T__				m_e	
KRUC	2.51	175.8	Sg	16:03:33.874	-0.3					T__				m_e	
TANN	2.57	244.8	Pn	16:02:56.281	0.1					T__				m_e	ML 3.8
TANN	2.57	244.8	Pg	16:03:02.595	-0.2					T__				m_e	

TANN	2.57	244.8	Sg	16:03:35.788	-0.3	T__	m_e	
WERD	2.65	246.5	Pn	16:02:56.950	-0.2	T__	m_e ML	3.6
WERD	2.65	246.5	Pg	16:03:03.551	-0.6	T__	m_e	
WERD	2.65	246.5	Sg	16:03:37.921	-0.5	T__	m_e	
GUNZ	2.67	244.7	Pn	16:02:57.546	0.1	T__	m_e ML	3.9
GUNZ	2.67	244.7	Sg	16:03:39.664	0.5	T__	m_e	
NKC	2.67	241.5	Pn	16:02:57.799	0.3	T__	m_e ML	3.8
NKC	2.67	241.5	Pg	16:03:04.958	0.3	T__	m_e	
NKC	2.67	241.5	Sg	16:03:39.844	0.7	T__	m_e	
WERN	2.68	243.0	Pn	16:02:58.239	0.6	T__	m_e ML	3.9
WERN	2.68	243.0	Pg	16:03:04.496	-0.4	T__	m_e	
WERN	2.68	243.0	Sg	16:03:39.506	-0.0	T__	m_e	
OJC	2.68	118.7	Pn	16:02:56.651	-1.0	T__	m_e ML	3.8
OJC	2.68	118.7	Pg	16:03:05.134	0.2	T__	m_e	
OJC	2.68	118.7	Sg	16:03:40.261	0.6	T__	m_e	
PLN	2.71	248.1	Pn	16:02:58.070	-0.0	T__	m_e	
PLN	2.71	248.1	Pg	16:03:05.843	0.3	T__	m_e	
PLN	2.71	248.1	Sg	16:03:40.873	0.3	T__	m_e	
NEUB	2.73	264.2	Pg	16:03:05.863	0.0	T__	m_e ML	4.2
NEUB	2.73	264.2	Sg	16:03:42.134	1.0	T__	m_e	
JAVC	2.88	159.2	Pn	16:03:01.883	1.5	T__	m_e ML	3.8
JAVC	2.88	159.2	Sg	16:03:48.397	2.4	T__	m_e	
KHC	2.92	214.6	Pn	16:03:01.242	0.3	T__	m_e ML	3.0
KHC	2.92	214.6	Pg	16:03:09.233	-0.2	T__	m_e	
KHC	2.92	214.6	Sg	16:03:46.877	-0.4	T__	m_e	
MOX	2.97	253.7	Pn	16:03:01.445	-0.1	T__	m_e ML	4.0
MOX	2.97	253.7	Pg	16:03:09.814	-0.5	T__	m_e	
MOX	2.97	253.7	Sg	16:03:49.884	1.1	T__	m_e	
MANZ	2.99	239.6	Pn	16:03:02.471	0.7	T__	m_e ML	3.8
MANZ	2.99	239.6	Pg	16:03:10.347	-0.3	T__	m_e	
ROTZ	3.06	235.5	Pn	16:03:03.328	0.5	T__	m_e ML	3.8
ROTZ	3.06	235.5	Pg	16:03:10.924	-1.1	T__	m_e	
ROTZ	3.06	235.5	Sg	16:03:50.773	-0.8	T__	m_e	
FLT1	3.10	286.2	Pg	16:03:11.756	-1.0	T__	m_e ML	3.7
FLT1	3.10	286.2	Sg	16:03:52.944	0.1	T__	m_e	
GEC2	3.13	210.5	Pn	16:03:04.694	1.0	T__	m_e ML	3.8
GEC2	3.13	210.5	Pg	16:03:11.068	-2.3	T__	m_e	
GEC2	3.13	210.5	Sg	16:03:52.764	-1.0	T__	m_e	
WET	3.18	221.7	Pn	16:03:04.299	-0.2	T__	m_e ML	3.6
ASSE	3.41	281.6	Pn	16:03:08.586	1.1	T__	m_e ML	3.7
ASSE	3.41	281.6	Sg	16:04:02.788	0.2	T__	m_e	
CLZ	3.57	276.7	Pn	16:03:10.553	0.9	T__	m_e ML	3.8
CLZ	3.57	276.7	Sg	16:04:09.486	1.8	T__	m_e	
GRA1	3.63	240.8	Pn	16:03:11.211	0.8	T__	m_e ML	4.4
GRA1	3.63	240.8	Sg	16:04:09.818	0.3	T__	m_e	
NRDL	3.81	286.4	Pn	16:03:14.263	1.3	T__	m_e ML	3.7
BSEG	4.23	306.3	Pn	16:03:19.180	0.5	T__	m_e ML	3.8
RJOB	4.39	210.6	Pn	16:03:22.727	1.9	T__	m_e ML	4.2
RJOB	4.39	210.6	Pg	16:03:37.510	0.4	T__	m_e	
TNS	5.02	257.5	Pn	16:03:30.281	1.0	T__	m_e ML	4.1
TNS	5.02	257.5	Sg	16:04:54.391	0.6	T__	m_e	
STU	5.24	240.5	Sg	16:05:02.825	2.1	T__	m_e ML	4.5
KOE	5.40	261.1	Pn	16:03:34.500	0.0	---	m_e	
KOE	5.40	261.1	Sn	16:04:36.900	4.4	---	23.9 1.05 m_e	

BGG	5.70	259.6	Pn	16:03:38.600	0.0	---												m_e	
LAUG	5.72	271.4	Pn	16:03:39.800	1.0	---												m_e	
AHRW	5.77	263.3	Pn	16:03:40.988	1.5	T_												m_e ML	4.2
STB	5.90	264.2	Pn	16:03:41.800	0.5	---												m_e	
BFO	5.96	240.2	Pn	16:03:41.672	-0.4	T_												m_e ML	4.3
BFO	5.96	240.2	Pg	16:04:08.909	2.2	T_												m_e	
BFO	5.96	240.2	Sg	16:05:26.392	2.7	T_												m_e	
KLL	6.22	265.3	Pn	16:03:46.100	0.5	---												m_e	
WLF	6.60	257.1	Sg	16:05:41.225	-2.7	T_												m_e ML	4.3

Event 1012016 Innsbruck, Hall/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/10/12	16:41:49.84	0.42	0.38	47.3742	11.6806	3.2	1.6	023	13.9	2.4	14	6	029				m i uk	ZAMG	1012026
	(Slightly felt)																		
2010/10/12	16:41:52.42	0.31	1.48	47.3690	11.6600	7.8	4.4	171	10.0f		13	8	085	0.11	2.43		m i ke	BGR	1012016
	(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	7 ZAMG	1012026
ML	1.8	0.4	7 BGR	1012016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.11	188.7	Pg	16:41:53.824	-1.2					T_				m_e ML	1.2
WTTA	0.11	188.7	Sg	16:41:56.289	-0.6					T_				m_e	
FUR	0.83	342.1	Sg	16:42:20.683	1.6					T_				m_e ML	2.4
RJOB	0.85	63.9	Pg	16:42:09.057	0.5					T_				m_e ML	1.9
RJOB	0.85	63.9	Sg	16:42:19.403	-0.2					T_				m_e	
KBA	1.18	103.6	Sg	16:42:32.589	2.6					T_				m_e ML	1.4
DAVA	1.21	266.8	Pg	16:42:15.326	0.0					T_				m_e ML	1.8
DAVA	1.21	266.8	Sg	16:42:32.376	1.4					T_				m_e	
MOA	1.82	73.7	Pn	16:42:24.720	1.7					T_				m_e ML	1.9
MOA	1.82	73.7	Sg	16:42:48.954	-1.4					T_				m_e	
GEC2	2.01	42.0	Sn	16:42:49.712	0.4					T_				m_e ML	2.0
GEC2	2.01	42.0	Sg	16:42:53.984	-2.3					T_				m_e	
BFO	2.43	294.5	Sg	16:43:08.524	-1.2					T_				m_e	

Event 1012012 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	
2010/10/12	16:53:07.20	0.08	0.75	47.3108	11.6259	1.9	1.6	003	2.0	0.0	72	22	034				m i ke	LDG	1012032
2010/10/12	16:53:05.65	0.09	0.32	47.3334	11.6605	0.9	0.6	179	12.6	1.0	45	12	029				m i fe	ZAMG	1012022
2010/10/12	16:53:06.48	0.19	0.81	47.3660	11.7240	2.2	2.2	149	10.0f		71	31	097	0.12	3.58		m i ke	BGR	1012012
	(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	19 LDG	1012032
ML	3.1	0.2	17 ZAMG	1012022
ML	2.8	0.2	27 BGR	1012012

Effects	Loctyp		Location	Intensity Scale		Author									
_F	Summar			4.0	EMS	ZAMG									
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.12	210.2	Pg	16:53:09.346	0.1					T__				m_e	
WTTA	0.12	210.2	Sg	16:53:11.675	0.5					T__				m_e	
RJOB	0.81	62.4	Pg	16:53:22.731	0.8					T__				m_e ML	3.0
FUR	0.85	339.4	Pg	16:53:23.377	0.8					T__				m_e ML	3.4
FUR	0.85	339.4	Sg	16:53:34.499	0.8					T__				m_e	
KBA	1.14	104.0	Pg	16:53:28.509	0.5					T__				m_e ML	2.4
KBA	1.14	104.0	Sg	16:53:43.130	0.4					T__				m_e	
DAVA	1.25	267.0	Pg	16:53:30.400	0.3					T__				m_e ML	2.7
DAVA	1.25	267.0	Sg	16:53:47.426	1.1					T__				m_e	
GRC2	1.52	351.3	Sn	16:53:52.576	0.8					T__				m_e ML	3.1
GRC2	1.52	351.3	Sg	16:53:54.691	-0.2					T__				m_e	
GRC3	1.53	356.6	Pn	16:53:32.552	-0.5					T__				m_e ML	3.1
GRC3	1.53	356.6	Pg	16:53:34.761	-0.5					T__				m_e	
GRC3	1.53	356.6	Sn	16:53:52.358	0.4					T__				m_e	
GRC3	1.53	356.6	Sg	16:53:54.860	-0.2					T__				m_e	
PLONS	1.62	259.6	Pg	16:53:36.498	-0.6					T__				m_e ML	2.6
PLONS	1.62	259.6	Sg	16:53:58.695	0.6					T__				m_e	
GRC1	1.64	355.3	Pn	16:53:33.955	-0.6					T__				m_e ML	2.8
GRC1	1.64	355.3	Pg	16:53:36.576	-0.8					T__				m_e	
GRC1	1.64	355.3	Sn	16:53:54.594	0.1					T__				m_e	
GRC1	1.64	355.3	Sg	16:53:57.736	-0.8					T__				m_e	
GRC4	1.73	355.7	Pn	16:53:35.191	-0.6					T__				m_e ML	2.7
GRC4	1.73	355.7	Pg	16:53:38.374	-0.7					T__				m_e	
GRC4	1.73	355.7	Sn	16:53:57.128	0.5					T__				m_e	
GRC4	1.73	355.7	Sg	16:54:00.872	-0.5					T__				m_e	
GRB5	1.75	359.0	Pn	16:53:35.402	-0.6					T__				m_e ML	2.7
GRB5	1.75	359.0	Pg	16:53:38.715	-0.7					T__				m_e	
GRB5	1.75	359.0	Sn	16:53:57.560	0.4					T__				m_e	
GRB5	1.75	359.0	Sg	16:54:01.463	-0.6					T__				m_e	
MOA	1.78	73.3	Pg	16:53:39.475	-0.6					T__				m_e ML	2.9
MOA	1.78	73.3	Sg	16:54:01.861	-1.3					T__				m_e	
GRB2	1.91	358.9	Pn	16:53:37.524	-0.7					T__				m_e ML	2.8
GRB2	1.91	358.9	Pg	16:53:42.039	-0.4					T__				m_e	
GRB2	1.91	358.9	Sn	16:54:01.400	0.5					T__				m_e	
GRB2	1.91	358.9	Sg	16:54:06.395	-0.7					T__				m_e	
WILA	1.91	272.5	Pg	16:53:41.934	-0.5					T__				m_e ML	3.2
WILA	1.91	272.5	Sg	16:54:06.669	-0.5					T__				m_e	
WET	1.94	22.9	Pn	16:53:38.813	0.2					T__				m_e ML	2.6
WET	1.94	22.9	Pg	16:53:42.650	-0.4					T__				m_e	
WET	1.94	22.9	Sn	16:54:02.688	1.1					T__				m_e	
GEC2	1.98	41.0	Pn	16:53:39.825	0.6					T__				m_e ML	2.8
GEC2	1.98	41.0	Pg	16:53:42.689	-1.2					T__				m_e	
GEC2	1.98	41.0	Sn	16:54:05.232	2.5					T__				m_e	
GEC2	1.98	41.0	Sg	16:54:09.434	-0.1					T__				m_e	
GRB4	2.11	357.1	Pn	16:53:40.129	-0.8					T__				m_e ML	3.0
GRB4	2.11	357.1	Sn	16:54:05.881	0.3					T__				m_e	
GRB4	2.11	357.1	Sg	16:54:12.871	-0.6					T__				m_e	
OBKA	2.11	112.9	Pg	16:53:44.806	-1.5					T__				m_e ML	2.5
OBKA	2.11	112.9	Sg	16:54:14.083	0.5					T__				m_e	
GRA4	2.21	355.1	Pn	16:53:41.501	-0.8					T__				m_e ML	2.9

GRA4	2.21	355.1	Pg	16:53:47.221	-0.9	T__	m_e		
GRA4	2.21	355.1	Sn	16:54:08.591	0.6	T__	m_e		
GRA4	2.21	355.1	Sg	16:54:15.805	-0.9	T__	m_e		
SLE	2.22	281.6	Pg	16:53:47.868	-0.4	T__	m_e	ML	2.8
SLE	2.22	281.6	Sg	16:54:15.834	-1.1	T__	m_e		
GRA1	2.35	352.1	Pn	16:53:45.535	1.3	T__	m_e	ML	2.9
GRA1	2.35	352.1	Pg	16:53:50.754	-0.0	T__	m_e		
GRA1	2.35	352.1	Sg	16:54:20.758	-0.4	T__	m_e		
ROTZ	2.42	7.4	Pn	16:53:44.529	-0.7	T__	m_e	ML	2.7
ROTZ	2.42	7.4	Pg	16:53:52.384	0.2	T__	m_e		
ROTZ	2.42	7.4	Sg	16:54:22.845	-0.6	T__	m_e		
BFO	2.47	294.2	Pn	16:53:47.103	1.2	T__	m_e	ML	2.6
MANZ	2.63	5.4	Pg	16:53:56.115	-0.0	T__	m_e	ML	2.7
MANZ	2.63	5.4	Sn	16:54:18.748	0.8	T__	m_e		
BALST	2.73	270.9	Pn	16:53:51.322	1.9	T__	m_e	ML	3.0
TANN	3.09	8.8	Pg	16:54:04.060	-0.6	T__	m_e	ML	3.0
PLN	3.13	5.1	Pg	16:54:05.416	-0.1	T__	m_e		
PLN	3.13	5.1	Sg	16:54:46.349	0.3	T__	m_e		
MOX	3.28	358.8	Pg	16:54:09.027	0.7	T__	m_e	ML	2.9
MOX	3.28	358.8	Sn	16:54:34.343	1.2	T__	m_e		
TNS	3.58	324.1	Pn	16:54:01.365	0.5	T__	m_e	ML	3.1

Event 1012013 Inn Valley/A, NE of Innsbruck

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/10/12	16:59:39.76	0.15	0.39	47.3745	11.6688	1.5	0.7	017	13.4	0.9	31	10	029			m i uk	ZAMG	1012023	
	(Slightly felt)																		
2010/10/12	16:59:42.02	0.27	0.82	47.4200	11.6730	2.2	2.2	152	10.0f		51	24	151	0.79	3.22	m i ke	BGR	1012013	
	(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.3	14 ZAMG	1012023
ML	2.4	0.3	24 BGR	1012013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.79	340.4	Pg	16:59:57.360	0.4					T__				m_e	ML 2.8
RJOB	0.82	66.9	Pg	16:59:58.229	0.6					T__				m_e	ML 2.2
RJOB	0.82	66.9	Sg	17:00:08.901	0.6					T__				m_e	
KBA	1.19	106.1	Pn	17:00:04.028	0.1					T__				m_e	ML 1.6
KBA	1.19	106.1	Sn	17:00:17.622	-1.9					T__				m_e	
DAVA	1.22	264.4	Pn	17:00:04.703	0.2					T__				m_e	ML 2.1
DAVA	1.22	264.4	Pg	17:00:05.644	0.5					T__				m_e	
DAVA	1.22	264.4	Sg	17:00:21.815	0.9					T__				m_e	
GRC2	1.46	352.3	Sn	17:00:26.688	0.7					T__				m_e	ML 2.7
GRC2	1.46	352.3	Sg	17:00:29.297	0.8					T__				m_e	
GRC3	1.47	357.8	Pg	17:00:09.044	-0.8					T__				m_e	ML 2.7
GRC3	1.47	357.8	Sn	17:00:26.578	0.4					T__				m_e	
GRC3	1.47	357.8	Sg	17:00:29.376	0.5					T__				m_e	
GRC1	1.58	356.4	Pg	17:00:10.757	-1.1					T__				m_e	ML 2.3
GRC1	1.58	356.4	Sn	17:00:28.984	0.2					T__				m_e	
GRC1	1.58	356.4	Sg	17:00:32.289	0.0					T__				m_e	
PLONS	1.60	257.4	Sg	17:00:32.773	-0.2					T__				m_e	ML 1.9

GRC4	1.67	356.7	Pg	17:00:12.527	-1.0	T__	m_e	ML	2.4
GRC4	1.67	356.7	Sn	17:00:31.290	0.4	T__	m_e		
GRC4	1.67	356.7	Sg	17:00:34.998	-0.1	T__	m_e		
GRB5	1.69	0.1	Pg	17:00:12.877	-1.1	T__	m_e	ML	2.4
GRB5	1.69	0.1	Sg	17:00:35.627	-0.2	T__	m_e		
MOA	1.80	75.2	Pn	17:00:13.635	1.3	T__	m_e	ML	2.2
MOA	1.80	75.2	Sg	17:00:38.559	-0.7	T__	m_e		
GRB2	1.85	359.9	Sn	17:00:36.988	1.8	T__	m_e	ML	2.3
GRB2	1.85	359.9	Sg	17:00:40.590	-0.3	T__	m_e		
WILA	1.87	270.9	Sg	17:00:40.930	-0.6	T__	m_e	ML	2.4
WET	1.90	24.5	Pn	17:00:13.166	-0.5	T__	m_e	ML	2.3
WET	1.90	24.5	Sn	17:00:36.845	0.5	T__	m_e		
WET	1.90	24.5	Sg	17:00:41.589	-0.9	T__	m_e		
GEC2	1.97	42.8	Pn	17:00:14.140	-0.4	T__	m_e	ML	2.4
GEC2	1.97	42.8	Sn	17:00:39.421	1.6	T__	m_e		
GEC2	1.97	42.8	Sg	17:00:44.242	-0.3	T__	m_e		
GRB4	2.05	358.0	Sn	17:00:40.409	0.6	T__	m_e	ML	2.7
GRB4	2.05	358.0	Sg	17:00:46.275	-0.9	T__	m_e		
GRA4	2.15	355.9	Pg	17:00:22.082	-0.5	T__	m_e	ML	2.4
GRA4	2.15	355.9	Sn	17:00:42.747	0.6	T__	m_e		
GRA4	2.15	355.9	Sg	17:00:49.816	-0.6	T__	m_e		
SLE	2.17	280.3	Sg	17:00:50.365	-0.7	T__	m_e	ML	2.3
GRA1	2.29	352.7	Sg	17:00:54.403	-0.5	T__	m_e	ML	2.5
ROTZ	2.37	8.4	Pg	17:00:26.637	-0.1	T__	m_e	ML	2.3
ROTZ	2.37	8.4	Sg	17:00:56.270	-1.2	T__	m_e		
MANZ	2.58	6.2	Pg	17:00:30.948	0.2	T__	m_e	ML	2.5
MANZ	2.58	6.2	Sn	17:00:52.855	0.5	T__	m_e		
MANZ	2.58	6.2	Sg	17:01:03.630	-0.5	T__	m_e		
WERN	2.90	8.9	Pg	17:00:36.286	-0.5	T__	m_e	ML	2.6
TANN	3.04	9.5	Pg	17:00:38.719	-0.6	T__	m_e	ML	2.6
TANN	3.04	9.5	Sg	17:01:18.512	-0.1	T__	m_e		
MOX	3.22	359.4	Pg	17:00:43.318	0.5	T__	m_e	ML	2.6
MOX	3.22	359.4	Sn	17:01:08.584	1.1	T__	m_e		
MOX	3.22	359.4	Sg	17:01:23.097	-1.4	T__	m_e		

Event 1012017 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
2010/10/12	17:58:38.58	0.66	0.01	47.4155	11.6744	7.7	2.3	024	8.2	6.5	6	3	029			m i uk	ZAMG	1012027
2010/10/12	17:58:39.86	0.40	0.89	47.3550	11.6980	5.6	3.3	003	10.0f		12	9	164	0.83	2.46	m i ke	BGR	1012017

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	3 ZAMG	1012027
ML	1.9	0.3	6 BGR	1012017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.83	62.3	Sg	17:59:08.210	1.7					T__				m_e	ML 1.9
FUR	0.86	340.8	Sg	17:59:08.471	1.3					T__				m_e	ML 2.4
KBA	1.15	103.3	Pg	17:59:02.111	0.5					T__				m_e	ML 1.4
KBA	1.15	103.3	Sg	17:59:16.144	-0.4					T__				m_e	
DAVA	1.23	267.5	Pg	17:59:03.323	0.1					T__				m_e	ML 1.7

DAVA	1.23	267.5	Sg	17:59:19.784	0.6	T__	m_e												
MOA	1.80	73.1	Sg	17:59:37.502	0.4	T__	m_e	ML	1.9										
WET	1.95	23.3	Pn	17:59:11.969	-0.3	T__	m_e												
GEC2	2.00	41.2	Pg	17:59:16.330	-1.3	T__	m_e	ML	2.0										
GEC2	2.00	41.2	Sg	17:59:42.311	-1.2	T__	m_e												
GRA1	2.36	352.5	Sg	17:59:54.670	-0.2	T__	m_e												
BFO	2.46	294.6	Sg	17:59:57.326	-0.8	T__	m_e												

Event 1012014 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
2010/10/12	18:25:57.99	0.33	0.55	47.3656	11.6507	2.4	1.2	022	11.6	1.8	14	6	029			m i uk	ZAMG	1012024
2010/10/12	18:25:59.70	0.29	1.05	47.3940	11.6870	4.4	3.3	139	10.0f		23	12	121	0.13	1.98	m i ke	BGR	1012014

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	8 ZAMG	1012024
ML	1.9	0.1	6 BGR	1012014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.13	194.8	Pg	18:26:01.369	-1.4					T__				m_e	
WTTA	0.13	194.8	Sg	18:26:03.804	-1.0					T__				m_e	
RJOB	0.82	64.9	Pg	18:26:17.224	1.9					T__				m_e	ML 1.8
RJOB	0.82	64.9	Sg	18:26:26.695	0.7					T__				m_e	
DAVA	1.23	265.7	Pg	18:26:22.860	-0.1					T__				m_e	ML 1.7
DAVA	1.23	265.7	Sg	18:26:39.787	0.9					T__				m_e	
GRC2	1.49	352.1	Sn	18:26:44.537	0.2					T__				m_e	
GRC2	1.49	352.1	Sg	18:26:47.188	0.1					T__				m_e	
GRC3	1.50	357.5	Pn	18:26:26.747	0.9					T__				m_e	ML 2.1
GRC3	1.50	357.5	Sn	18:26:44.561	0.1					T__				m_e	
GRC3	1.50	357.5	Sg	18:26:47.214	-0.1					T__				m_e	
PLONS	1.60	258.4	Sg	18:26:51.269	0.5					T__				m_e	
GRC4	1.70	356.4	Sn	18:26:49.242	0.1					T__				m_e	ML 2.0
GRC4	1.70	356.4	Sg	18:26:53.158	-0.5					T__				m_e	
GRB5	1.72	359.8	Sg	18:26:53.643	-0.7					T__				m_e	ML 2.0
MOA	1.80	74.4	Pn	18:26:31.905	2.0					T__				m_e	
MOA	1.80	74.4	Sg	18:26:56.361	-0.5					T__				m_e	
GRB2	1.88	359.7	Sg	18:26:58.661	-0.7					T__				m_e	
WET	1.92	23.9	Sn	18:26:54.710	0.2					T__				m_e	ML 1.9
WET	1.92	23.9	Sg	18:26:59.631	-1.2					T__				m_e	
GEC2	1.98	42.1	Pg	18:26:35.355	-1.7					T__				m_e	
GEC2	1.98	42.1	Sn	18:26:57.320	1.5					T__				m_e	
GEC2	1.98	42.1	Sg	18:27:01.431	-1.2					T__				m_e	

Event 1013008 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
2010/10/13	03:40:07.23	0.49	0.19	47.3749	11.6427	3.7	1.5	027	9.7	2.0	15	5	189			m i uk	ZAMG	1013018
2010/10/13	03:40:08.70	0.40	0.88	47.3940	11.6920	5.6	4.4	177	10.0f		11	6	161	0.82	2.32	m i ke	BGR	1013008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	8 ZAMG	1013018
ML	1.7	0.2	5 BGR	1013008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.82	64.9	Pg	03:40:25.337	1.1					T__				m_e	ML 1.8
RJOB	0.82	64.9	Sg	03:40:36.440	1.5					T__				m_e	
KBA	1.17	105.1	Pg	03:40:31.246	0.5					T__				m_e	ML 1.4
KBA	1.17	105.1	Sg	03:40:44.275	-1.6					T__				m_e	
DAVA	1.23	265.7	Pg	03:40:31.907	-0.1					T__				m_e	ML 1.7
DAVA	1.23	265.7	Sg	03:40:48.500	0.5					T__				m_e	
MOA	1.79	74.3	Sg	03:41:05.444	-0.3					T__				m_e	ML 1.8
WET	1.92	23.8	Pn	03:40:39.964	-0.7					T__				m_e	ML 1.8
WET	1.92	23.8	Sn	03:41:03.741	0.3					T__				m_e	
WET	1.92	23.8	Sg	03:41:09.638	-0.1					T__				m_e	
GRA1	2.32	352.5	Sg	03:41:21.228	-1.2					T__				m_e	

Event 1013007 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/13	22:43:14.70	0.41	0.21	44.0350	12.1800				20.0f			7	353	6.99	7.71	m i ke	BNS	1013017
2010/10/13	22:43:17.03	0.56	0.92	44.4660	12.4070	8.9	5.6	008	10.0f		47	39	259	2.54	9.57	m i ke	BGR	1013007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.9		BNS	1013017
ML	4.4	0.2	34 BGR	1013007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	2.54	35.6	Pn	22:43:57.701	0.4					T__				m_e	ML 4.5
KBA	2.69	13.7	Pn	22:44:01.281	1.8					T__				m_e	ML 4.2
WTTA	2.85	349.4	Pn	22:44:03.537	2.0					T__				m_e	
RJOB	3.28	4.6	Pn	22:44:09.713	2.3					T__				m_e	ML 4.2
DAVA	3.32	329.0	Pn	22:44:10.409	2.4					T__				m_e	ML 4.1
PLONS	3.34	321.8	Pn	22:44:10.188	2.0					T__				m_e	ML 4.2
PLONS	3.34	321.8	Sn	22:44:51.326	6.3					T__				m_e	
ARSA	3.53	36.8	Pn	22:44:10.972	0.2					T__				m_e	ML 4.0
MOA	3.62	20.2	Pn	22:44:13.735	1.7					T__				m_e	ML 4.2
FUR	3.78	348.5	Pn	22:44:15.628	1.5					T__				m_e	ML 4.6
WILA	3.82	321.7	Pn	22:44:15.922	1.2					T__				m_e	ML 4.5
SLE	4.27	322.0	Pn	22:44:21.133	0.3					T__				m_e	ML 4.5
SLE	4.27	322.0	Sn	22:45:09.740	2.7					T__				m_e	
SULZ	4.27	317.3	Pn	22:44:21.301	0.4					T__				m_e	ML 4.6
SOP	4.32	40.4	Pn	22:44:21.799	0.3					T__				m_e	
BALST	4.36	312.9	Pn	22:44:21.962	-0.0					T__				m_e	ML 4.4
BALST	4.36	312.9	Sn	22:45:10.262	1.2					T__				m_e	
GEC2	4.47	11.0	Pn	22:44:24.390	0.9					T__				m_e	ML 4.2
WET	4.69	3.8	Pn	22:44:27.092	0.6					T__				m_e	ML 4.4
WET	4.69	3.8	Sn	22:45:20.024	3.2					T__				m_e	
BFO	4.78	325.4	Pn	22:44:28.232	0.5					T__				m_e	ML 4.2
BFO	4.78	325.4	Sn	22:45:21.670	2.7					T__				m_e	

STU	4.84	334.0	Pn	22:44:29.259	0.8	T__	m_e	ML	4.5
GRA1	5.29	351.7	Pn	22:44:35.256	0.6	T__	m_e	ML	4.7
ROTZ	5.30	358.6	Pn	22:44:35.279	0.5	T__	m_e	ML	4.2
ROTZ	5.30	358.6	Sn	22:45:34.098	2.8	T__	m_e		
MANZ	5.52	358.0	Pn	22:44:38.322	0.5	T__	m_e	ML	4.3
WERN	5.82	359.8	Pn	22:44:42.646	0.8	T__	m_e	ML	4.5
GUNZ	5.90	359.5	Pn	22:44:43.412	0.5	T__	m_e	ML	4.6
TANN	5.95	0.3	Pn	22:44:44.659	1.1	T__	m_e	ML	4.5
TANN	5.95	0.3	Sn	22:45:51.541	5.1	T__	m_e		
WERD	5.98	359.4	Pn	22:44:45.408	1.4	T__	m_e	ML	4.5
PLN	6.02	358.5	Pn	22:44:45.623	1.1	T__	m_e		
MOX	6.20	355.3	Pn	22:44:47.121	0.1	T__	m_e	ML	4.5
MOX	6.20	355.3	Sn	22:45:56.214	3.8	T__	m_e		
PSZ	6.22	53.7	Pn	22:44:47.748	0.4	T__	m_e		
TNS	6.35	336.5	Pn	22:44:50.122	1.1	T__	m_e	ML	4.4
FBE	6.49	5.3	Pn	22:44:51.362	0.5	T__	m_e	ML	4.5
BRG	6.49	8.6	Pn	22:44:51.493	0.6	T__	m_e	ML	4.4
BGG	6.69	330.9	Pn	22:44:55.300	1.7	---	m_e		
BGG	6.69	330.9	Sn	22:46:11.600	7.8	---	m_e		
WLF	6.72	322.9	Pn	22:44:55.962	2.0	T__	m_e	ML	4.3
KOE	6.74	333.8	Pn	22:44:56.500	2.2	---	m_e		
NEUB	6.76	356.6	Pn	22:44:56.034	1.5	T__	m_e	ML	5.0
CLL	6.85	3.1	Pn	22:44:57.015	1.2	T__	m_e	ML	4.8
HILG	6.99	328.4	Pn	22:44:59.500	1.7	---	m_e		
AHRW	7.06	331.3	Pn	22:45:00.277	1.7	T__	m_e	ML	4.3
STB	7.18	330.5	Pn	22:45:02.000	1.7	---	m_e		
HOBG	7.35	334.2	Pn	22:45:04.400	1.8	---	m_e		
KLL	7.42	328.6	Pn	22:45:05.300	1.8	---	m_e		
CLZ	7.50	350.3	Pn	22:45:06.069	1.5	T__	m_e	ML	4.6
ASSE	7.75	352.1	Pn	22:45:09.809	1.8	T__	m_e	ML	4.6
NRDL	8.17	350.1	Pn	22:45:16.174	2.5	T__	m_e	ML	4.4
BSEG	9.57	352.6	Pn	22:45:34.153	1.5	T__	m_e		

14.8 0.70

Event 1015006 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/15	04:07:04.40	0.40	0.11	51.6740	6.8370				1.0f			6	315	0.33	1.39	m i ki	BNS	1015026
2010/10/15	04:07:06.22	0.42	0.67	51.6090	6.8030	5.6	4.4	104	1.0f		11	6	147	0.34	1.73	m i ki	BGR	1015016
2010/10/15	04:07:03.60			51.5950	6.7670				1.0f				311	0.07	0.35	m i ki	BUG	1015006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BNS	1015026
ML	1.5	0.2	4 BGR	1015016
ML	1.3		BUG	1015006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ZERL	0.07	68.0	Pg	04:07:05.700	0.8					T__				m__	ML	0.9
ZERL	0.07	68.0	Sg	04:07:06.800	1.0					T__				m__		
LAUG	0.27	155.6	Pg	04:07:10.950	2.3					---				m_e		
BUG	0.35	116.1	Pg	04:07:11.200	1.0					TA_				m_e	ML	1.3
BUG	0.35	116.1	Sg	04:07:16.700	2.0					TA_				m__		

WTSB	0.37	3.0	Sg	04:07:18.027	2.6	---	m_e	ML	1.3
HOBG	0.71	149.7	Pg	04:07:18.740	1.8	---	m_e		
HGN	0.98	212.5	Pg	04:07:24.807	2.7	---	m_e	ML	1.9
HGN	0.98	212.5	Sg	04:07:38.304	3.5	---	m_e		
DREG	0.99	200.0	Pg	04:07:24.720	2.5	---	m_e		
KLL	0.99	197.0	Pg	04:07:24.610	2.3	---	m_e		
STB	1.00	177.3	Pg	04:07:24.880	2.4	---	m_e		
AHRW	1.07	169.4	Pg	04:07:26.731	2.9	---	m_e	ML	1.6
AHRW	1.07	169.4	Sg	04:07:42.198	4.5	---	m_e		
MEM	1.10	206.1	Pg	04:07:26.538	2.3	---	m_e		
MEM	1.10	206.1	Sg	04:07:41.630	3.2	---	m_e		
HILG	1.30	182.5	Pg	04:07:29.360	1.2	---	m_e		
TNS	1.73	141.7	Pn	04:07:37.220	3.2	---	m_e		
TNS	1.73	141.7	Sg	04:08:00.655	2.0	---	m_e		

Event 1015002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/15	08:08:33.76	1.07	0.47	51.3690	16.1720	15.6	7.8	168	1.0f		13	9	338	1.48	2.75	m i ki	BGR	1015002

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	9 BGR	1015002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.48	251.4	Pg	08:09:01.351	-0.4					T__	8.2			m_e	ML 2.8
BRG	1.48	251.4	Sg	08:09:21.954	1.0					T__	7.2			m_e	
FBE	1.82	256.9	Pg	08:09:07.448	-0.7					T__	5.6			m_e	ML 2.9
FBE	1.82	256.9	Sg	08:09:32.031	0.3					T__	6.1			m_e	
CLL	1.98	269.5	Sg	08:09:36.588	-0.1					T__	3.3			m_e	ML 2.9
TANN	2.53	249.3	Pn	08:09:15.194	0.2					T__	2.7			m_e	ML 3.1
TANN	2.53	249.3	Sg	08:09:53.934	-0.1					T__	5.0			m_e	
WERD	2.61	250.8	Sg	08:09:56.492	-0.0					T__	6.6			m_e	ML 3.1
GUNZ	2.62	249.0	Sg	08:09:57.292	0.2					T__	5.0			m_e	ML 3.2
WERN	2.63	247.2	Pn	08:09:16.921	0.6					T__	3.0			m_e	ML 3.2
WERN	2.63	247.2	Sg	08:09:57.691	0.4					T__	6.9			m_e	
PLN	2.68	252.3	Sg	08:09:58.805	-0.1					T__	5.4			m_e	ML 3.4
NEUB	2.75	268.4	Sg	08:10:02.168	0.9					T__	4.2			m_e	ML 3.6

Event 1016001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID		
2010/10/16	03:27:51.30	0.53	0.21	51.4250	16.1720									6	343	1.50	6.24	m i ke	BNS	1016011
2010/10/16	03:27:50.73	0.44	0.69	51.4800	16.1510	4.4	4.4	114	1.0f		38	25	265	1.51	5.24	m i ki	BGR	1016001		

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.7		BNS	1016011
ML	3.9	0.2	5 BGR	1016001

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

BRG	1.51	247.2	Pn	03:28:16.806	-1.4	T__	123.5	m_e	ML	3.8
BRG	1.51	247.2	Pg	03:28:18.555	-0.7	T__	7.9	m_e		
BRG	1.51	247.2	Sg	03:28:39.141	0.4	T__	6.3	m_e		
RUE	1.77	305.2	Pn	03:28:20.522	-1.1	T__	54.6	m_e	ML	4.0
RUE	1.77	305.2	Sg	03:28:48.128	1.2	T__	6.0	m_e		
FBE	1.84	253.4	Pn	03:28:21.622	-1.0	T__	66.4	m_e	ML	3.6
FBE	1.84	253.4	Sg	03:28:48.902	-0.3	T__	3.8	m_e		
CLL	1.97	266.2	Pn	03:28:23.200	-1.2	T__	206.8	m_e	ML	3.9
CLL	1.97	266.2	Sg	03:28:53.723	0.3	T__	4.5	m_e		
TANN	2.56	246.8	Pn	03:28:32.280	-0.1	T__	133.3	m_e		
TANN	2.56	246.8	Pg	03:28:39.242	0.3	T__	29.1	m_e		
WERD	2.63	248.4	Pn	03:28:33.152	-0.2	T__	90.5	m_e		
WERD	2.63	248.4	Pg	03:28:39.748	-0.6	T__	11.5	m_e		
GUNZ	2.65	246.6	Pn	03:28:33.718	0.1	T__	57.9	m_e		
WERN	2.66	244.9	Pn	03:28:33.649	-0.1	T__	158.1	m_e	ML	4.1
WERN	2.66	244.9	Pg	03:28:41.325	0.4	T__	34.8	m_e		
WERN	2.66	244.9	Sn	03:29:04.973	0.3	T__	1.7	m_e		
WERN	2.66	244.9	Sg	03:29:15.601	0.3	T__	3.7	m_e		
PLN	2.70	250.0	Pn	03:28:34.036	-0.3	T__	33.5	m_e		
NEUB	2.75	266.0	Pn	03:28:35.118	0.2	T__	40.5	m_e		
NEUB	2.75	266.0	Pg	03:28:41.997	-0.5	T__	4.4	m_e		
MANZ	2.96	241.3	Pn	03:28:37.922	0.1	T__	45.1	m_e		
MANZ	2.96	241.3	Pg	03:28:46.610	0.1	T__	45.1	m_e		
MOX	2.97	255.4	Pn	03:28:37.667	-0.3	T__	18.6	m_e		
MOX	2.97	255.4	Pg	03:28:47.140	0.4	T__	10.2	m_e		
ROTZ	3.03	237.1	Pn	03:28:38.726	-0.1	T__	55.4	m_e		
GEC2	3.07	211.7	Pn	03:28:39.096	-0.2	T__	75.1	m_e		
WET	3.13	223.1	Pn	03:28:39.981	-0.2	T__	13.5	m_e		
FLT1	3.15	287.6	Pn	03:28:41.018	0.7	T__	14.9	m_e		
ASSE	3.45	283.0	Pn	03:28:44.623	0.2	T__	7.1	m_e		
CLZ	3.60	278.0	Pn	03:28:47.065	0.5	T__	14.3	m_e		
GRA1	3.60	242.2	Pn	03:28:46.967	0.4	T__	22.8	m_e		
NRDL	3.86	287.6	Pn	03:28:50.597	0.6	T__	11.7	m_e		
BSEG	4.30	307.1	Pn	03:28:54.468	-1.5	T__	15.7	m_e		
RJOB	4.33	211.4	Pn	03:28:57.833	1.5	T__	28.2	m_e		
FUR	4.57	225.4	Pn	03:29:00.254	0.6	T__	5.4	m_e		
TNS	5.02	258.5	Pn	03:29:06.147	0.4	T__	19.1	m_e		
IBBN	5.24	282.4	Pn	03:29:09.552	0.8	T__	5.0	m_e		
KOE	5.40	262.0	Pn	03:29:11.600	0.6	---	---	m_e		
BGG	5.71	260.6	Pn	03:29:15.300	0.3	---	---	m_e		
STB	5.92	265.0	Pn	03:29:19.100	1.2	---	---	m_e		
HILG	6.09	262.5	Pn	03:29:21.100	0.9	---	---	m_e		
KLL	6.23	266.2	Pn	03:29:23.100	0.9	---	---	m_e		

Event 1019001 Fall, N of Innsbruck/A, Karwendel Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/10/19	00:38:28.70	0.09	1.15	47.4020	11.6780	2.7	1.8	023	3.0f		184	41	020			m i ke	LDG	1019041	
2010/10/19	00:38:30.10	0.47	0.21	47.3320	11.7580				10.0f				8	350	4.07	4.92	m i ke	BNS	1019031
2010/10/19	00:38:28.10	1.20	0.75	47.3600	11.7900	13.0	7.0	319	10.0f		34	17	270	1.01	3.77	m i ke	LED	1019021	
2010/10/19	00:38:28.32	0.11	0.55	47.3272	11.6492	1.1	0.8	001	13.9	0.9	65	11	057			m i fe	ZAMG	1019011	
2010/10/19	00:38:30.47	0.28	0.94	47.4160	11.6550	5.6	2.2	157	10.0f		40	25	144	0.79	4.28	m i ke	BGR	1019001	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.7	0.2	3 LDG	1019041
ML	3.9	0.2	43 LDG	1019041
ML	3.5		BNS	1019031
ML	4.0	0.2	25 LED	1019021
ML	4.0	0.4	17 ZAMG	1019011
ML	3.9	0.3	6 BGR	1019001

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		5.0	EMS	ZAMG

(Strongly felt, e.g. in Innsbruck, slight fissures in the plastering)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.79	341.3	Pg	00:38:46.079	0.6					T__	1666.			m_e	
OBER	0.92	269.9	P*	00:38:46.990						---				m__	ML 3.8
OBER	0.92	269.9	S*	00:39:02.170						---				m__	
UBR	1.08	284.8	P*	00:38:50.450						---				md__	ML 4.3
UBR	1.08	284.8	PmP	00:38:51.680	-0.8					---				m__	
UBR	1.08	284.8	S*	00:39:05.860						---				m__	
UBR	1.08	284.8	SmS	00:39:08.080	0.5					---				m__	
KBA	1.20	105.8	Pn	00:38:50.988	-1.6					T__	32.1			m_e	
DAVA	1.21	264.5	Pn	00:38:52.247	-0.5					T__	400.0			m_e	
LIENZ	1.47	266.1	P	00:38:56.950						---				md__	ML 3.7
LIENZ	1.47	266.1	S	00:39:17.240						---				m__	
HDH	1.52	320.9	P	00:38:56.460						---				m__	ML 4.0
HDH	1.52	320.9	Pg	00:38:58.770	-0.4					---				m_i	
HDH	1.52	320.9	S	00:39:16.750						---				m__	
HDH	1.52	320.9	Sg	00:39:20.990	2.2					---				m__	
GRC1	1.58	356.8	P	00:38:57.190						---				md__	ML 3.7
GRC1	1.58	356.8	PmP	00:38:59.990	-1.5					---				m__	
GRC1	1.58	356.8	S	00:39:18.520						---				m__	
GRC1	1.58	356.8	SmS	00:39:21.830	-0.9					---				m__	
PLONS	1.59	257.5	Pn	00:38:58.209	0.3					T__	157.1			m_e	ML 3.8
PLONS	1.59	257.5	Sg	00:39:20.902	-0.1					T__	10.1			m_e	
MOA	1.81	75.2	Pn	00:39:00.973	0.0					T__	113.5			m_e	ML 3.5
MOA	1.81	75.2	Sg	00:39:27.733	-0.4					T__	5.6			m_e	
GUT	1.83	291.9	P	00:39:02.190						---				m__	ML 4.1
GUT	1.83	291.9	Sg	00:39:28.190	-0.5					---				m__	
SISB	1.84	279.5	P	00:39:02.140						---				m__	ML 4.0
GRB2	1.86	0.3	P	00:39:00.860						---				md__	ML 3.7
GRB2	1.86	0.3	Sg	00:39:29.990	0.5					---				m__	
BUCH	1.86	304.7	P	00:39:01.390						---				m__	ML 4.1
BUCH	1.86	304.7	Sg	00:39:30.060	0.5					---				m__	
WILA	1.86	271.0	Pn	00:39:02.686	1.1					T__	107.6			m_e	ML 4.3
WILA	1.86	271.0	Pg	00:39:04.230	-1.3					---				m__	
WILA	1.86	271.0	Sg	00:39:29.216	-0.4					T__	12.1			m_e	
WET	1.91	24.8	Pn	00:39:02.151	-0.1					T__	156.6			m_e	ML 3.7
WET	1.91	24.8	Pg	00:39:06.067	-0.4					T__	1.7			m_e	
WET	1.91	24.8	Sn	00:39:26.907	1.9					T__	3.8			m_e	
WET	1.91	24.8	Sg	00:39:31.028	-0.2					T__	2.6			m_e	
GEC2	1.98	42.9	Pn	00:39:03.109	-0.1					T__	49.0			m_e	ML 3.8
GEC2	1.98	42.9	Pg	00:39:06.792	-1.0					T__	3.1			m_e	

GEC2	1.98	42.9	Sn	00:39:28.891	2.3	T__	4.0	m_e	
GEC2	1.98	42.9	Sg	00:39:33.167	-0.2	T__	5.2	m_e	
SPAK	2.05	290.6	P	00:39:05.300		---		m__	
STU	2.13	310.4	Pg	00:39:10.480	-0.2	---		m__	ML 4.2
STU	2.13	310.4	Sg	00:39:42.630	4.4	---		m__	
SLE	2.16	280.5	Pn	00:39:06.408	0.8	T__	17.9	m_e	ML 4.1
SLE	2.16	280.5	Pg	00:39:10.860	-0.4	---		m__	
SLE	2.16	280.5	Sg	00:39:38.105	-1.1	T__	3.7	m_e	
OBKA	2.17	113.6	Pn	00:39:07.038	1.2	T__	7.3	m_e	
LBG	2.28	304.2	P	00:39:07.470		---		mC_	ML 4.0
LBG	2.28	304.2	S	00:39:33.540		---		m__	
GRA1	2.29	353.0	P	00:39:06.530		---		md_	ML 3.7
GRA1	2.29	353.0	Pg	00:39:14.120	0.4	---		m__	
SIND	2.36	325.6	P	00:39:08.020		---		md_	ML 4.3
SIND	2.36	325.6	Pg	00:39:15.200	0.2	---		m__	
ROTZ	2.38	8.6	Pn	00:39:07.777	-0.8	T__	50.2	m_e	
SULZ	2.40	274.0	P	00:39:09.570		---		m__	ML 4.0
SULZ	2.40	274.0	Sg	00:39:45.400	-1.3	---		m__	
BFO	2.41	293.5	P	00:39:09.050		---		m__	ML 4.1
BFO	2.41	293.5	S	00:39:38.390		---		m__	
FELD	2.50	281.9	Pg	00:39:15.600	-2.1	---		m__	
FELD	2.50	281.9	Sg	00:39:48.940	-1.1	---		m__	
OPP	2.56	296.2	S	00:39:39.820		---		m__	ML 3.7
KIZ	2.57	283.5	P	00:39:11.680		---		m__	ML 4.0
KIZ	2.57	283.5	Pg	00:39:19.750	0.8	---		m__	
KIZ	2.57	283.5	Sg	00:39:51.130	-1.1	---		m__	
MANZ	2.59	6.5	Pn	00:39:10.298	-1.1	T__	26.7	m_e	
FBB	2.62	284.3	Sg	00:39:52.730	-1.2	---		m__	
BALST	2.68	269.7	Pn	00:39:13.330	0.6	T__	27.5	m_e	
BALST	2.68	269.7	S	00:39:45.320		---		m__	
BALST	2.68	269.7	Sg	00:39:54.160	-1.6	---		m__	
BBS	2.80	272.5	P	00:39:15.280		---		m__	
LIBD	2.82	286.6	P	00:39:16.080		---		m__	
SWS	2.85	317.6	P	00:39:15.090		---		m__	ML 4.0
SWS	2.85	317.6	S	00:39:46.910		---		m__	
TOD	2.89	320.3	P	00:39:15.740		---		m__	
WERN	2.91	9.1	Pn	00:39:14.829	-1.0	T__	19.1	m_e	
WERN	2.91	9.1	Pg	00:39:25.566	0.2	T__	5.7	m_e	
LDAU	2.94	308.3	P	00:39:17.360		---		m__	ML 4.2
GUNZ	2.98	8.3	Pn	00:39:15.675	-1.1	T__	29.8	m_e	
GUNZ	2.98	8.3	Pg	00:39:26.610	-0.1	T__	4.7	m_e	
BOURR	2.99	271.2	P	00:39:17.730		---		m__	ML 3.7
LANF	3.00	302.8	P	00:39:16.940		---		m__	
TANN	3.05	9.7	Pn	00:39:16.739	-0.9	T__	28.2	m_e	
TANN	3.05	9.7	Pg	00:39:27.481	-0.4	T__	5.6	m_e	
WLS	3.05	290.7	P	00:39:18.480		---		m__	
WERD	3.06	7.8	Pn	00:39:16.603	-1.3	T__	15.7	m_e	
WERD	3.06	7.8	Pg	00:39:28.264	0.1	T__	4.0	m_e	
MOF	3.08	279.8	P	00:39:19.180		---		m__	
PLN	3.09	5.9	Pn	00:39:16.685	-1.5	T__	9.2	m_e	
PLN	3.09	5.9	Pg	00:39:28.699	0.0	T__	8.0	m_e	
ECH	3.12	286.5	P	00:39:19.350		---		m__	ML 4.1
MOX	3.23	359.6	Pn	00:39:19.051	-1.1	T__	37.6	m_e	
TNS	3.51	324.2	Pn	00:39:24.619	0.6	T__	42.4	m_e	

TNS	3.51	324.2	S	00:40:05.160	---													m_
ABH	3.67	313.8	P	00:39:27.400	---													m_
FBE	3.68	16.9	Pn	00:39:26.146	-0.1	T_	3.9											m_e
BRG	3.77	22.5	Pn	00:39:27.237	-0.2	T_	6.5											m_e
KOE	3.96	320.9	Pn	00:39:31.200	1.1	---												m_e
KOE	3.96	320.9	Sn	00:40:18.000	4.8	---						106.3	0.29					m_e
BGG	3.98	316.1	Pn	00:39:31.600	1.2	---												m_e
BGG	3.98	316.1	Sn	00:40:18.100	4.4	---								59.6	0.88			m_e
CLL	3.99	12.2	Pn	00:39:30.069	-0.4	T_	26.8											m_e
GTTG	4.27	345.7	Pn	00:39:34.997	0.7	T_	6.9											m_e
WLF	4.28	303.7	Pn	00:39:36.298	1.9	T_	7.8											m_e
HILG	4.36	313.1	Pn	00:39:36.700	1.3	---												m_e
HILG	4.36	313.1	Sn	00:40:27.400	4.9	---												m_e
STB	4.48	317.0	Pn	00:39:38.300	1.2	---												m_e
STB	4.48	317.0	Sn	00:40:29.900	4.5	---								41.9	0.29			m_e
HOBG	4.55	323.3	Pn	00:39:39.200	1.2	---												m_e
HOBG	4.55	323.3	Sn	00:40:32.300	5.3	---												m_e
BNS	4.60	322.2	Pn	00:39:40.100	1.4	---												m_e
BNS	4.60	322.2	Sn	00:40:33.300	5.1	---												m_e
KLL	4.76	314.7	Pn	00:39:42.100	1.2	---												m_e
KLL	4.76	314.7	Sn	00:40:37.200	5.1	---												m_e
DREG	4.81	314.4	Pn	00:39:43.300	1.7	---												m_e
DREG	4.81	314.4	Sn	00:40:38.000	4.8	---								32.9	0.29			m_e

Event 1019002 Fall, N of Innsbruck/A, Karwendel Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/19	02:17:57.70	0.16	0.45	47.3937	11.6812	4.2	2.2	041	2.0	0.0	25	16	187			m i ke	LDG	1019022
2010/10/19	02:17:56.74	0.09	0.32	47.3204	11.6322	0.9	0.6	170	10.8	0.7	37	8	057			m i uk	ZAMG	1019012
(Felt)																		
2010/10/19	02:17:58.17	0.55	0.86	47.4020	11.6460	8.9	3.3	157	10.0f		20	15	183	0.80	3.08	m i ke	BGR	1019002
(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.3	7 LDG	1019022
ML	2.6	0.4	12 ZAMG	1019012
ML	2.4	0.2	8 BGR	1019002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.80	342.0	Pn	02:18:13.970	-0.9					T_	8.5			m_e	
DAVA	1.20	265.1	Sg	02:18:38.220	1.8					T_	5.0			m_e ML	2.5
PLONS	1.58	257.9	Sg	02:18:48.427	0.0					T_	7.5			m_e ML	2.3
MOA	1.82	74.8	Sg	02:18:55.593	-0.5					T_	4.1			m_e ML	2.0
WILA	1.85	271.4	Sg	02:18:56.780	-0.3					T_	8.6			m_e ML	2.8
WET	1.93	24.8	Pn	02:18:30.101	-0.1					T_	5.3			m_e ML	2.5
WET	1.93	24.8	Pg	02:18:33.810	-0.7					T_	1.4			m_e	
WET	1.93	24.8	Sn	02:18:54.142	1.1					T_	1.8			m_e	
WET	1.93	24.8	Sg	02:18:58.867	-0.5					T_	2.2			m_e	
GEC2	1.99	42.8	Pn	02:18:30.873	-0.2					T_	2.2			m_e ML	2.4
GEC2	1.99	42.8	Sn	02:18:56.562	2.0					T_	3.8			m_e	
GEC2	1.99	42.8	Sg	02:19:00.998	-0.5					T_	2.0			m_e	
SLE	2.16	280.9	Sg	02:19:05.860	-0.9					T_	5.1			m_e ML	2.5

GRA1	2.31	353.2	Pg	02:18:41.892	0.2	T__	4.1	m_e	
ROTZ	2.39	8.7	Pn	02:18:36.085	-0.4	T__	2.8	m_e	
MANZ	2.60	6.6	Sn	02:19:09.815	0.9	T__	3.9	m_e ML	2.5
WERN	2.93	9.2	Pg	02:18:53.098	-0.2	T__	3.0	m_e	
GUNZ	3.00	8.4	Pg	02:18:54.249	-0.4	T__	2.4	m_e	
TANN	3.06	9.8	Pg	02:18:55.285	-0.6	T__	3.2	m_e	
WERD	3.08	7.9	Pg	02:18:56.033	-0.1	T__	2.2	m_e	

Event 1019003 Innsbruck, Hall/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/19	02:28:22.25	0.15	0.28	47.3266	11.6501	1.3	0.8	021	11.9	1.0	28	6	057			m i uk	ZAMG	1019013
(Felt)																		
2010/10/19	02:28:23.74	0.46	0.94	47.3710	11.6600	5.6	3.3	157	10.0f		21	15	193	0.83	3.11	m i ke	BGR	1019003
(#PRIME)																		

Magnitude Err Nsta Author OrigID

ML	2.3	0.3	9	ZAMG	1019013
ML	2.4	0.3	15	BGR	1019003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.83	342.1	Pg	02:28:39.941	0.4					T__	2.3			m_e ML	2.7
FUR	0.83	342.1	Sg	02:28:51.372	1.0					T__				m_e	
DAVA	1.21	266.7	Sg	02:29:03.926	1.7					T__				m_e ML	2.0
MOA	1.82	73.8	Pg	02:28:57.714	-0.4					T__	2.2			m_e ML	2.0
MOA	1.82	73.8	Sg	02:29:21.494	-0.2					T__				m_e	
WILA	1.86	272.4	Sg	02:29:22.599	-0.4					T__				m_e ML	2.5
WET	1.95	24.1	Sg	02:29:24.433	-1.3					T__				m_e ML	2.1
GEC2	2.01	42.0	Pn	02:28:56.695	-0.2					T__	1.1			m_e ML	2.0
GEC2	2.01	42.0	Sn	02:29:22.604	2.1					T__	2.2			m_e	
GEC2	2.01	42.0	Sg	02:29:26.587	-1.0					T__				m_e	
SLE	2.17	281.6	Pg	02:29:04.975	0.3					T__	1.8			m_e ML	2.3
SLE	2.17	281.6	Sg	02:29:31.669	-1.2					T__				m_e	
GRA1	2.34	353.0	Sg	02:29:37.400	-0.7					T__				m_e ML	2.5
ROTZ	2.42	8.4	Pg	02:29:09.244	-0.2					T__	1.5			m_e ML	2.4
ROTZ	2.42	8.4	Sg	02:29:39.744	-1.0					T__				m_e	
BFO	2.43	294.5	Sg	02:29:40.526	-0.5					T__				m_e ML	2.3
MANZ	2.63	6.3	Sg	02:29:46.738	-0.7					T__				m_e ML	2.5
WERN	2.95	8.9	Sg	02:29:58.029	0.4					T__				m_e ML	2.7
GUNZ	3.02	8.1	Sg	02:30:00.124	0.2					T__				m_e ML	2.6
TANN	3.09	9.5	Sg	02:30:02.908	1.0					T__				m_e ML	2.6
WERD	3.11	7.6	Sg	02:30:03.331	0.9					T__				m_e ML	2.9

Event 1019008 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
2010/10/19	02:29:14.78	0.21	0.22	47.3152	11.6569	1.3	0.9	013	10.4	1.4	21	5	057			m i uk	ZAMG	1019018
2010/10/19	02:29:15.84	0.43	0.84	47.3600	11.6950	4.4	3.3	177	10.0f		14	10	155	0.85	3.29	m i ke	BGR	1019008
(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	8 ZAMG	1019018
ML	2.3	0.3	7 BGR	1019008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
FUR	0.85	340.8	Pg	02:29:32.159	0.2					T__				m_e	ML	2.8
FUR	0.85	340.8	Sg	02:29:44.202	1.2					T__				m_e		
DAVA	1.23	267.3	Pg	02:29:39.085	-0.0					T__				m_e	ML	2.1
DAVA	1.23	267.3	Sg	02:29:55.731	0.6					T__				m_e		
MOA	1.80	73.3	Sg	02:30:13.557	0.4					T__				m_e	ML	1.9
WET	1.95	23.4	Sn	02:30:12.265	1.0					___				m_e	ML	2.1
WET	1.95	23.4	Sg	02:30:17.021	-0.8					T__				m_e		
GEC2	2.00	41.3	Sn	02:30:14.765	2.3					___				m_e	ML	2.1
GEC2	2.00	41.3	Sg	02:30:19.073	-0.4					T__				m_e		
OBKA	2.13	112.5	Sg	02:30:23.303	-0.1					T__				m_e		
GRA1	2.35	352.5	Pg	02:30:00.457	0.2					T__				m_e	ML	2.5
GRA1	2.35	352.5	Sg	02:30:30.145	-0.5					T__				m_e		
BFO	2.46	294.5	Sg	02:30:32.674	-1.3					T__				m_e		
TANN	3.10	9.1	Sg	02:30:55.119	0.9					T__				m_e	ML	2.6
MOX	3.29	359.1	Sn	02:30:43.711	1.0					T__				m_e		
MOX	3.29	359.1	Sg	02:30:58.811	-1.4					T__				m_e		

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
1019004	2010/10/19	02:49:59.40	0.58	0.80	51.5660	16.1530	6.7	5.6	169	1.0f		21	14	268	1.55	3.59	m i k i	BGR	1019004

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.3	10 BGR	1019004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	1.55	244.3	Pg	02:50:27.780	-0.8					T__	87.9			m_e	ML	3.3
BRG	1.55	244.3	Sg	02:50:48.519	-0.1					T__	10.8			m_e		
RUE	1.72	302.9	Sg	02:50:54.745	0.7					T__	3.8			m_e	ML	3.2
FBE	1.87	250.9	Pg	02:50:34.543	-0.0					T__	23.7			m_e	ML	3.2
FBE	1.87	250.9	Sg	02:50:58.346	-0.4					T__	5.2			m_e		
CLL	1.98	263.7	Pn	02:50:32.047	-1.2					T__	9.8			m_e	ML	3.1
CLL	1.98	263.7	Sg	02:51:01.336	-1.0					T__	2.9			m_e		
TANN	2.59	245.1	Pn	02:50:41.540	0.0					T__	5.8			m_e	ML	3.5
TANN	2.59	245.1	Sg	02:51:20.951	-0.8					T__	4.8			m_e		
GUNZ	2.69	244.9	Pn	02:50:42.648	-0.2					T__	5.5			m_e	ML	3.7
GUNZ	2.69	244.9	Sg	02:51:27.231	2.4					T__	4.9			m_e		
PLN	2.74	248.3	Pn	02:50:43.026	-0.4					T__	2.8			m_e	ML	3.5
PLN	2.74	248.3	Sg	02:51:25.589	-0.7					T__	4.9			m_e		
NEUB	2.75	264.3	Sg	02:51:27.908	1.0					T__	4.9			m_e	ML	4.0
MOX	2.99	253.9	Sg	02:51:35.251	0.7					T__	7.4			m_e	ML	3.7
MANZ	3.01	239.9	Pn	02:50:47.435	0.3					T__	6.2			m_e	ML	3.6
MANZ	3.01	239.9	Sg	02:51:36.024	1.1					T__	6.8			m_e		
ROTZ	3.08	235.8	Pn	02:50:48.106	-0.0					T__	5.6			m_e		
GEC2	3.14	210.9	Pn	02:50:49.263	0.3					T__	12.6			m_e		
WET	3.20	222.1	Pn	02:50:49.595	-0.1					T__	10.9			m_e		
CLZ	3.59	276.7	Pn	02:50:55.685	0.6					T__	2.3			m_e		

Event 1019009 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
2010/10/19	06:59:14.66	0.35	0.16	47.3213	11.6189	2.4	1.1	032	10.9	1.8	10	3	057			m i uk	ZAMG	1019019
2010/10/19	06:59:14.85	0.63	0.82	47.2430	11.7730	10.0	4.4	161	10.0f		8	5	204	0.10	2.06	m i ke	BGR	1019009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.4	5 ZAMG	1019019
ML	2.0	0.5	3 BGR	1019009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.10	282.7	Pg	06:59:17.521	0.2					T__				m_e	ML 1.3
WTTA	0.10	282.7	Sg	06:59:19.577	0.6					T__				m_e	
FUR	0.98	340.2	Pg	06:59:33.471	0.1					T__				m_e	ML 2.6
FUR	0.98	340.2	Sg	06:59:47.063	1.0					T__				m_e	
DAVA	1.29	272.6	Pg	06:59:39.186	0.1					T__				m_e	ML 2.0
DAVA	1.29	272.6	Sg	06:59:55.641	-0.1					T__				m_e	
MOA	1.79	69.3	Sg	07:00:12.967	1.2					T__				m_e	
GEC2	2.06	38.1	Sg	07:00:18.559	-1.7					T__				m_e	

Event 1019006 Innsbruck, Hall/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/19	16:47:03.60	0.08	0.29	47.3179	11.6584	0.9	0.5	003	11.3	0.6	44	8	057			m i uk	ZAMG	1019016
2010/10/19	16:47:04.64	0.34	0.94	47.3580	11.6640	6.7	3.3	151	10.0f		20	15	079	0.10	3.10	m i ke	BGR	1019006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.4	12 ZAMG	1019016
ML	2.4	0.3	5 BGR	1019006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.10	191.3	Pg	16:47:06.636	-0.5					T__	155.8			m_e	
FUR	0.85	342.2	Pg	16:47:21.148	0.5					T__	2.8			m_e	
RJOB	0.85	63.2	Pg	16:47:23.039	2.2					T__	5.8			m_e	
DAVA	1.21	267.3	Pg	16:47:27.876	0.3					T__	5.4			m_e	ML 2.5
DAVA	1.21	267.3	Sg	16:47:44.552	1.3					T__	4.6			m_e	
PLONS	1.58	259.6	Pg	16:47:33.980	-0.5					T__	2.7			m_e	ML 2.2
PLONS	1.58	259.6	Sg	16:47:55.440	0.5					T__	3.4			m_e	
WILA	1.87	272.8	Sg	16:48:04.225	0.2					T__	5.8			m_e	ML 2.9
WET	1.96	23.9	Pn	16:47:36.991	-0.1					T__	2.8			m_e	ML 2.3
WET	1.96	23.9	Pg	16:47:40.734	-0.9					T__	1.9			m_e	
WET	1.96	23.9	Sn	16:48:00.967	0.6					T__	2.1			m_e	
WET	1.96	23.9	Sg	16:48:05.738	-1.2					T__	1.5			m_e	
GEC2	2.02	41.7	Sn	16:48:03.357	1.7					T__	2.4			m_e	ML 2.3
OBKA	2.14	112.3	Pg	16:47:44.209	-0.9					T__	2.3			m_e	
GRA1	2.35	353.0	Pg	16:47:48.889	-0.1					T__	2.8			m_e	
ROTZ	2.44	8.3	Pg	16:47:50.018	-0.6					T__	2.6			m_e	

BFO	2.44	294.7	Pg	16:47:49.629	-1.0	T__	1.8	m_e
WERN	2.97	8.8	Pg	16:48:00.271	-0.3	T__	2.2	m_e
GUNZ	3.04	8.1	Pg	16:48:01.272	-0.6	T__	2.0	m_e
TANN	3.10	9.4	Pg	16:48:02.883	-0.2	T__	2.9	m_e

Event 1019010 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
2010/10/19	16:48:31.39	0.20	0.38	47.3171	11.6505	1.6	1.0	037	10.5	1.2	22	6	057			m i uk	ZAMG	1019020
2010/10/19	16:48:32.67	0.52	0.50	47.3780	11.6780	6.7	3.3	166	10.0f		11	7	192	0.83	2.44	m i ke	BGR	1019010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.4	10 ZAMG	1019020
ML	2.3	0.1	4 BGR	1019010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.83	341.1	Pg	16:48:49.007	0.6					T__				m_e	
DAVA	1.22	266.4	Pg	16:48:55.867	0.1					T__				m_e ML	2.4
DAVA	1.22	266.4	Sg	16:49:11.858	0.3					T__				m_e	
MOA	1.81	73.9	Pg	16:49:06.499	-0.3					T__				m_e	
MOA	1.81	73.9	Sg	16:49:30.822	0.7					T__				m_e	
WET	1.94	23.9	Pn	16:49:04.866	0.0					T__				m_e ML	2.3
WET	1.94	23.9	Sn	16:49:28.793	0.9									m_e	
WET	1.94	23.9	Sg	16:49:33.590	-0.7					T__				m_e	
GEC2	1.99	41.9	Sn	16:49:31.463	2.3									m_e ML	2.1
GEC2	1.99	41.9	Sg	16:49:35.658	-0.4					T__				m_e	
GRA1	2.33	352.7	Sg	16:49:47.646	0.8					T__				m_e ML	2.4
BFO	2.44	294.2	Sn	16:49:39.138	-0.5					T__				m_e	
BFO	2.44	294.2	Sg	16:49:49.895	-0.3					T__				m_e	

Event 1020001 Fall, N of Innsbruck/A, Karwendel Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/20	04:47:47.18	0.15	0.34	47.3293	11.6500	1.1	0.7	018	11.8	1.1	33	7	098			m i uk	ZAMG	1020011
2010/10/20	04:47:51.46	0.45	2.44	47.5650	11.6250	15.6	6.7	163	10.0f		21	11	177	0.81	2.90	m i ke	BGR	1020001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.4	11 ZAMG	1020011
ML	2.2	0.1	7 BGR	1020001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.81	77.3	Sg	04:48:21.049	3.8					T__	6.7			m_e ML	2.2
DAVA	1.21	257.4	Sg	04:48:28.584	-1.5					T__	7.0			m_e ML	2.2
WET	1.79	27.3	Pn	04:48:20.599	-1.0					T__	2.1			m_e ML	2.1
WET	1.79	27.3	Pg	04:48:24.372	-0.8					T__	2.1			m_e	
WET	1.79	27.3	Sn	04:48:44.589	1.6					T__	4.5			m_e	
WET	1.79	27.3	Sg	04:48:49.717	1.5					T__	2.2			m_e	
MOA	1.80	79.9	Sg	04:48:45.954	-2.7					T__	5.0			m_e ML	2.1

GEC2	1.89	46.5	Sn	04:48:47.110	1.7	T__	2.4	m_e	ML	2.3
GEC2	1.89	46.5	Sg	04:48:51.339	-0.1	T__	2.4	m_e		
ROTZ	2.24	9.7	Pn	04:48:26.928	-0.7	T__	1.0	m_e	ML	2.2
ROTZ	2.24	9.7	Pg	04:48:33.704	0.1	T__	3.5	m_e		
ROTZ	2.24	9.7	Sn	04:48:56.009	2.4	T__	2.5	m_e		
ROTZ	2.24	9.7	Sg	04:49:05.095	2.6	T__	3.2	m_e		
BFO	2.34	290.3	Pn	04:48:29.403	0.4	T__	1.1	m_e	ML	2.3
BFO	2.34	290.3	Pg	04:48:35.854	0.3	T__	1.6	m_e		
BFO	2.34	290.3	Sn	04:48:56.648	0.7	T__	2.9	m_e		
BFO	2.34	290.3	Sg	04:49:05.736	0.0	T__	2.3	m_e		
MANZ	2.44	7.3	Pg	04:48:37.680	0.2	T__	1.7	m_e		
WERN	2.77	10.0	Pg	04:48:43.764	0.1	T__	1.6	m_e		
GUNZ	2.84	9.1	Pg	04:48:45.059	0.1	T__	1.8	m_e		
TANN	2.90	10.6	Pg	04:48:46.033	-0.1	T__	1.8	m_e		

Event 1022004 Konstanz/Lake of Constance

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/22	20:38:21.90	0.07	0.57	47.6652	9.0114	1.4	1.2	144	25.0	0.0	39	8	047			m i ke	LDG	1022044
2010/10/22	20:38:22.16	0.59	0.39	47.6671	9.0648	3.9	3.1	152	11.6	2.1	16	4	112			m i uk	ZAMG	1022034
2010/10/22	20:38:22.00			47.6500	9.0300				23.0							m i uk	SED	1022024
2010/10/22	20:38:22.53	0.22	0.38	47.6900	9.0410	2.2	2.2	000	10.0f		20	12	051	0.29	2.53	m i ke	BGR	1022014
2010/10/22	20:38:22.41	0.13	0.24	47.6600	9.0130	1.9	1.4	089	23.0	2.0	44	19	058	0.04	1.84	m i ke	LED	1022004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.3	1	LDG	1022044
ML	2.3	0.4	9 LDG	1022044
ML	2.4	0.4	5 ZAMG	1022034
ML	2.1		SED	1022024
ML	2.0	0.3	8 BGR	1022014
ML	2.1	0.2	20 LED	1022004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SISB	0.04	308.9	P*	20:38:26.320						T__				mci	ML 2.3
SISB	0.04	308.9	PmP	20:38:28.660	-0.1					T__				m__	
SISB	0.04	308.9	S*	20:38:29.330						T__				m__	
WILA	0.26	196.2	P*	20:38:28.550						T__				mci	ML 2.5
WILA	0.26	196.2	S*	20:38:33.100						T__				m__	
SLE	0.37	287.1	P*	20:38:30.290						T__				mci	ML 2.3
SLE	0.37	287.1	Pg	20:38:30.302	-0.0					___				m_e	
SLE	0.37	287.1	S*	20:38:35.730						T__				m__	
SLE	0.37	287.1	SmS	20:38:37.120	-1.0					___				m__	
GUT	0.42	9.4	P*	20:38:31.040						T__				mdi	ML 2.7
GUT	0.42	9.4	PmP	20:38:31.710	-0.7					___				m__	
GUT	0.42	9.4	S*	20:38:37.230						T__				m__	
GUT	0.42	9.4	SmS	20:38:38.860	-0.5					T__				m__	
SPAK	0.47	341.1	P*	20:38:32.090						T__				md_	
SPAK	0.47	341.1	PmP	20:38:32.360	-0.9					T__				m__	
SPAK	0.47	341.1	S*	20:38:38.880						T__				m__	
SPAK	0.47	341.1	SmS	20:38:40.180	-0.5					T__				m__	
LIENZ	0.49	138.1	P*	20:38:32.440						T__				mde	ML 1.6

LIENZ	0.49	138.1	PmP	20:38:33.460	-0.1	---	m__	
LIENZ	0.49	138.1	S*	20:38:39.840		T__	m__	
LIENZ	0.49	138.1	SmS	20:38:41.190	0.0	T__	m__	
SULZ	0.62	258.1	P*	20:38:34.420		T__	m__ ML	2.1
SULZ	0.62	258.1	PmP	20:38:35.030	-0.7	T__	m__	
SULZ	0.62	258.1	SmS	20:38:44.150	-0.6	---	m__	
PLONS	0.66	157.7	Pg	20:38:35.204	-0.2	---	m_e ML	1.4
PLONS	0.66	157.7	Sg	20:38:44.371	-0.0	---	m_e	
DAVA	0.69	122.2	Pg	20:38:35.934	-0.1	---	m_e ML	2.0
DAVA	0.69	122.2	Sg	20:38:45.072	-0.4	---	m_e	
FELD	0.71	288.1	Pg	20:38:36.270	-0.1	T__	m__	
FELD	0.71	288.1	PmP	20:38:36.790	-0.4	---	m__	
FELD	0.71	288.1	Sg	20:38:45.910	-0.0	---	m__	
FELD	0.71	288.1	SmS	20:38:46.480	-0.9	---	m__	
UBR	0.74	88.0	Pg	20:38:36.830	-0.0	T__	m__ ML	2.2
UBR	0.74	88.0	Sg	20:38:47.120	0.4	---	m__	
KIZ	0.79	292.3	P	20:38:37.390		T__	m__ ML	2.4
KIZ	0.79	292.3	S	20:38:48.000		T__	m__	
BFO	0.81	325.9	P	20:38:37.580		T__	md ML	1.8
BFO	0.81	325.9	Pg	20:38:37.800	-0.4	T__	m__	
BFO	0.81	325.9	S	20:38:47.510		T__	m__	
BFO	0.81	325.9	Sg	20:38:48.980	-0.0	---	m__	
BFO	0.81	325.9	SmS	20:38:49.360	-0.9	---	m__	
BUCH	0.82	15.9	P	20:38:37.180		T__	m__ ML	2.3
BUCH	0.82	15.9	Pg	20:38:37.840	-0.5	T__	m__	
BUCH	0.82	15.9	S	20:38:48.320		T__	m__	
BUCH	0.82	15.9	Sg	20:38:49.360	0.0	T__	m__	
TUBL	0.86	3.1	P	20:38:38.250		---	m__ ML	2.3
TUBL	0.86	3.1	S	20:38:49.880		T__	m__	
OBER	0.90	105.8	S	20:38:52.100		---	m__ ML	1.7
BALST	0.95	250.5	P	20:38:39.060		T__	mci ML	2.0
BALST	0.95	250.5	Pg	20:38:40.350	-0.3	T__	m__	
OPP	1.00	326.9	P	20:38:39.840		T__	m__ ML	1.7
OPP	1.00	326.9	Sg	20:38:54.310	-0.6	T__	m__	
LBG	1.01	351.9	Pg	20:38:40.940	-1.0	T__	m__ ML	2.1
LBG	1.01	351.9	S	20:38:52.080		---	m__	
LBG	1.01	351.9	Sg	20:38:54.540	-0.8	T__	m__	
BBS	1.03	259.6	Pg	20:38:41.770	-0.5	T__	m__	
STU	1.12	6.1	Sg	20:38:57.500	-1.0	T__	m__ ML	2.1
HDH	1.22	40.3	P	20:38:42.030		T__	m__ ML	1.8
HDH	1.22	40.3	S	20:38:57.600		T__	m__	
HDH	1.22	40.3	Sg	20:39:00.560	-1.2	T__	m__	
ECH	1.36	294.8	Sg	20:39:04.950	-1.2	---	m__ ML	2.1
FUR	1.60	70.8	Pg	20:38:51.967	-0.8	---	m_e ML	2.1
FUR	1.60	70.8	Sg	20:39:12.644	-0.9	---	m_e	
SIND	1.73	12.9	Sg	20:39:15.550	-2.3	---	m__ ML	2.1
WTTA	1.82	101.6	Sg	20:39:19.816	-0.7	---	m_e	
SWS	1.84	353.7	Sg	20:39:20.450	-0.6	---	m__ ML	2.0
GRA1	2.50	34.8	Sg	20:39:40.362	-1.8	---	m_e	
RJOB	2.55	86.9	Sg	20:39:43.181	-0.4	---	m_e	

Event 1023005 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	00:45:56.90	0.82	0.31	51.5720	6.8110				1.0f			6	309	0.24	1.28	m i ki	BNS	1023035
2010/10/23	00:45:57.10	0.28	0.11	51.5440	6.8890				1.0f			5	319			m i ki	GDNRW	1023025
2010/10/23	00:45:57.89	0.99	0.52	51.4760	6.8810	12.2	5.6	141	1.0f	8	5	244	0.24	2.20	m i ki	BGR	1023015	
2010/10/23	00:45:56.10			51.5790	6.8790				1.0f			232	0.04	0.28	m i ki	BUG	1023005	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	1023035
ML	1.8		GDNRW	1023025
ML	2.1	0.2	5 BGR	1023015
ML	1.8		BUG	1023005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZERL	0.04	351.9	Pg	00:45:56.200	-0.7					T__				m__	ML 1.4
ZERL	0.04	351.9	Sg	00:45:57.500	0.0					T__				m__	
LAUG	0.23	169.9	Pg	00:46:01.200	0.7									m_e	
BUG	0.28	119.5	Pg	00:46:02.400	1.0					TA_				m_e	ML 1.8
BUG	0.28	119.5	Sg	00:46:07.000	2.0					TA_				m__	
PLH	0.58	183.7	Pg	00:46:07.810	0.8									m_e	
PLH	0.58	183.7	Sg	00:46:15.395	1.0							56.7	0.18	m_e	
HOBG	0.66	154.3	Pg	00:46:09.820	1.3									m_e	
WBS	0.81	161.7	Sg	00:46:23.063	1.1							39.2	0.16	m_e	
GSH	0.90	200.6	Pg	00:46:14.253	1.2									m_e	
GSH	0.90	200.6	Sg	00:46:25.982	1.3							25.7	0.14	m_e	
STB	0.99	181.4	Pg	00:46:15.900	1.2									m_e	
STB	0.99	181.4	Sg	00:46:29.100	1.7							63.1	0.38	m_e	
KLL	1.00	201.1	Pg	00:46:15.200	0.3									m_e	
DREG	1.00	204.1	Pg	00:46:15.430	0.5									m_e	
TDN	1.01	177.6	Sg	00:46:29.172	1.1							34.3	0.15	m_e	
AHRW	1.05	173.1	Pg	00:46:16.381	0.6									m_e	ML 2.2
OLFT	1.12	195.1	Sg	00:46:32.794	1.0									m_e	
HILG	1.29	185.7	Pg	00:46:20.570	0.1									m_e	
TNS	1.68	143.3	Pg	00:46:27.204	-0.5									m_e	ML 2.1
TNS	1.68	143.3	Sg	00:46:48.389	-1.0									m_e	
WLF	1.97	193.8	Pg	00:46:33.424	0.2									m_e	ML 2.3
WLF	1.97	193.8	Sg	00:46:57.242	-1.4									m_e	
CLZ	2.18	81.7	Pg	00:46:38.996	1.8									m_e	ML 2.2

Event 1023009 Imst/A, Western Mieminger Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	12:24:32.50	0.25	0.16	47.3465	10.8887	1.2	0.9	173	9.2	3.0	18	5	070			m i uk	ZAMG	1023019
2010/10/23	12:24:33.70	0.34	0.65	47.3870	10.8890	4.4	3.3	005	10.0f		13	8	159	0.52	2.38	m i ke	BGR	1023009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	9 ZAMG	1023019
ML	1.8	0.3	5 BGR	1023009

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

WTTA	0.52	103.4	Pg	12:24:42.770	-0.9	T__	m_e	ML	1.4
WTTA	0.52	103.4	Sg	12:24:51.075	0.6	T__	m_e		
DAVA	0.69	262.0	Pg	12:24:46.772	-0.1	T__	m_e	ML	1.5
DAVA	0.69	262.0	Sg	12:24:56.209	0.4	T__	m_e		
FUR	0.82	18.4	Pg	12:24:49.671	0.5	T__	m_e		
FUR	0.82	18.4	Sg	12:25:01.248	1.4	T__	m_e		
KBA	1.70	99.6	Pg	12:25:05.537	-0.2	T__	m_e	ML	1.8
KBA	1.70	99.6	Sg	12:25:28.236	0.6	T__	m_e		
BFO	1.96	299.7	Pg	12:25:11.117	0.5	T__	m_e	ML	2.1
BFO	1.96	299.7	Sg	12:25:35.455	-0.5	T__	m_e		
WET	2.20	36.3	Sg	12:25:43.010	-0.6	T__	m_e	ML	2.2
GRA1	2.32	5.3	Sg	12:25:46.514	-0.8	T__	m_e		
MOA	2.32	77.3	Sg	12:25:47.505	-0.0	T__	m_e		
GEC2	2.38	51.1	Sg	12:25:48.554	-0.7	T__	m_e		

Event 1023010 Imst/A, Western Mieminger Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	12:29:13.70	0.06	0.26	47.3343	10.8875	1.7	0.9	039	10.0	0.0	28	9	143			m i ke	LDG	1023030
2010/10/23	12:29:13.09	0.24	0.26	47.3423	10.8837	1.1	0.9	001	8.9	3.2	24	7	067			m i uk	ZAMG	1023020
	(Felt)																	
2010/10/23	12:29:14.05	0.30	0.98	47.3810	10.8700	4.4	3.3	005	10.0f		26	12	160	0.53	3.30	m i ke	BGR	1023010
	(#PRIME)																	

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.4	10 LDG	1023030
ML	2.3	0.3	11 ZAMG	1023020
ML	2.2	0.3	9 BGR	1023010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.53	102.4	Pg	12:29:23.264	-1.0					T__				m_e	ML 1.8
WTTA	0.53	102.4	Sg	12:29:31.707	0.5					T__				m_e	
DAVA	0.68	262.4	Pg	12:29:26.959	0.0					T__				m_e	ML 1.8
DAVA	0.68	262.4	Sg	12:29:34.674	-1.1					T__				m_e	
FUR	0.83	19.1	Pg	12:29:30.262	0.5					T__				m_e	
FUR	0.83	19.1	Sg	12:29:41.699	1.2					T__				m_e	
RJOB	1.35	74.0	Pg	12:29:39.732	0.2					T__				m_e	ML 2.3
RJOB	1.35	74.0	Sg	12:29:59.161	2.2					T__				m_e	
KBA	1.71	99.3	Pg	12:29:45.951	-0.3					T__				m_e	ML 2.1
KBA	1.71	99.3	Sg	12:30:08.233	-0.1					T__				m_e	
BFO	1.95	300.0	Pn	12:29:47.485	1.1					T__				m_e	ML 2.3
BFO	1.95	300.0	Pg	12:29:50.824	-0.0					T__				m_e	
BFO	1.95	300.0	Sg	12:30:16.015	-0.1					T__				m_e	
WET	2.21	36.4	Pn	12:29:49.947	0.0					T__				m_e	ML 2.4
WET	2.21	36.4	Sn	12:30:15.574	-0.1					T__				m_e	
WET	2.21	36.4	Sg	12:30:22.581	-1.8					T__				m_e	
GRA1	2.32	5.6	Pg	12:29:57.813	-0.0					T__				m_e	ML 2.7
GRA1	2.32	5.6	Sg	12:30:27.128	-0.8					T__				m_e	
MOA	2.34	77.2	Pg	12:29:57.427	-0.7					T__				m_e	ML 2.3
MOA	2.34	77.2	Sg	12:30:28.083	-0.3					T__				m_e	
GEC2	2.39	51.2	Pn	12:29:53.496	1.1					T__				m_e	ML 2.4
GEC2	2.39	51.2	Sg	12:30:28.243	-1.8					T__				m_e	

TANN	3.21	18.4	Sg	12:30:55.992	-0.0	T__	m_e
MOX	3.30	8.2	Pg	12:30:17.375	1.1	T__	m_e
MOX	3.30	8.2	Sn	12:30:42.286	1.0	T__	m_e
MOX	3.30	8.2	Sg	12:30:57.775	-1.2	T__	m_e

Event 1023011 Fuessen/Allgaeu, German-Austrian border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	12:38:11.33	0.25	0.38	47.3543	10.8813	1.3	0.9	001	8.8	3.1	24	8	066			m i uk	ZAMG	1023021
2010/10/23	12:38:12.70	0.32	0.76	47.4080	10.8980	4.4	3.3	002	10.0f		15	10	154	0.52	2.36	m i ke	BGR	1023011

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	13 ZAMG	1023021
ML	2.0	0.3	9 BGR	1023011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.52	105.8	Pg	12:38:21.775	-0.9					T__				m_e ML	1.5
WTTA	0.52	105.8	Sg	12:38:30.221	0.7					T__				m_e	
DAVA	0.70	260.4	Pg	12:38:25.580	-0.4					T__				m_e ML	1.6
DAVA	0.70	260.4	Sg	12:38:35.974	0.8					T__				m_e	
FUR	0.80	18.4	Pg	12:38:28.316	0.5					T__				m_e	
FUR	0.80	18.4	Sg	12:38:40.147	2.0					T__				m_e	
RJOB	1.32	74.9	Pg	12:38:37.877	0.2					T__				m_e ML	2.0
KBA	1.69	100.3	Pg	12:38:44.467	-0.2					T__				m_e ML	1.9
KBA	1.69	100.3	Sg	12:39:07.087	0.5					T__				m_e	
BFO	1.95	299.1	Pg	12:38:49.239	-0.3					T__				m_e ML	2.1
BFO	1.95	299.1	Sg	12:39:14.588	-0.3					T__				m_e	
WET	2.18	36.5	Sg	12:39:21.080	-0.9					T__				m_e ML	2.2
GRA1	2.29	5.2	Sg	12:39:25.059	-0.6					T__				m_e ML	2.7
MOA	2.31	77.8	Sg	12:39:26.359	0.1					T__				m_e ML	2.1
GEC2	2.36	51.4	Sg	12:39:27.101	-0.6					T__				m_e ML	2.0

Event 1023002 Imst/A, Western Mieminger Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	12:40:28.10	0.08	0.73	47.4160	10.9310	2.2	1.6	022	2.0	0.0	103	21	027			m i ke	LDG	1023022
2010/10/23	12:40:27.67	0.15	0.26	47.3499	10.8802	0.9	0.7	155	10.5	1.8	32	9	066			m i fe	ZAMG	1023012
2010/10/23	12:40:28.12	0.36	1.03	47.3430	10.8290	5.6	3.3	013	10.0f		29	15	167	0.55	3.87	m i ke	BGR	1023002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.3	19 LDG	1023022
ML	3.3	0.3	14 ZAMG	1023012
ML	3.1	0.3	15 BGR	1023002

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

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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WTTA	0.55	97.9	Pg	12:40:37.870	-0.8	T__	m_e	ML	2.6
DAVA	0.65	265.3	Pg	12:40:41.175	0.8	T__	m_e	ML	2.6
FUR	0.87	19.9	Pg	12:40:44.695	0.0	T__	m_e	ML	3.8
FUR	0.87	19.9	Sg	12:40:56.818	0.8	T__	m_e		
RJOB	1.38	72.7	Pg	12:40:53.936	-0.3	T__	m_e	ML	2.9
RJOB	1.38	72.7	Sg	12:41:14.058	1.8	T__	m_e		
KBA	1.73	97.9	Pg	12:40:59.672	-1.1	T__	m_e	ML	2.8
KBA	1.73	97.9	Sg	12:41:23.072	-0.1	T__	m_e		
BFO	1.95	301.4	Pn	12:41:01.564	1.2	T__	m_e	ML	2.8
BFO	1.95	301.4	Pg	12:41:05.444	0.6	T__	m_e		
WET	2.26	36.4	Pn	12:41:04.724	0.1	T__	m_e	ML	3.2
WET	2.26	36.4	Sn	12:41:30.582	-0.3	T__	m_e		
GRA1	2.36	6.2	Pn	12:41:05.032	-1.0	T__	m_e	ML	3.4
GRA1	2.36	6.2	Pg	12:41:12.261	-0.4	T__	m_e		
GRA1	2.36	6.2	Sg	12:41:41.988	-1.3	T__	m_e		
GEC2	2.44	50.9	Pn	12:41:08.071	1.0	T__	m_e	ML	3.0
GEC2	2.44	50.9	Sn	12:41:37.217	2.2	T__	m_e		
ROTZ	2.59	20.1	Pn	12:41:08.298	-0.8	T__	m_e	ML	3.2
ROTZ	2.59	20.1	Pg	12:41:15.640	-1.3	T__	m_e		
ROTZ	2.59	20.1	Sn	12:41:38.692	0.1	T__	m_e		
MANZ	2.77	17.2	Pn	12:41:09.926	-1.7	T__	m_e	ML	3.2
MANZ	2.77	17.2	Sn	12:41:42.962	-0.0	T__	m_e		
TANN	3.25	18.7	Pn	12:41:16.201	-1.9	T__	m_e	ML	3.4
TANN	3.25	18.7	Sn	12:41:54.763	0.5	T__	m_e		
TANN	3.25	18.7	Sg	12:42:10.780	-0.8	T__	m_e		
TNS	3.28	332.3	Pn	12:41:19.574	1.1	T__	m_e	ML	3.2
MOX	3.34	8.6	Pn	12:41:18.015	-1.3	T__	m_e	ML	3.3
MOX	3.34	8.6	Sn	12:41:56.906	0.6	T__	m_e		
WLF	3.87	308.6	Sg	12:42:31.110	-0.0	T__	m_e	ML	3.5

Event 1023012 Fuessen/Allgaeu, German-Austrian border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/10/23	12:43:46.14	0.12	0.18	47.3392	10.8758	0.9	0.7	070	6.0	2.1	25	6	066			m i fe	ZAMG	1023022	
	(Felt)																		
2010/10/23	12:43:47.28	0.32	0.83	47.4040	10.8810	4.4	3.3	005	10.0f		17	9	156	0.53	2.32	m i ke	BGR	1023012	
	(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.3	11 ZAMG	1023022
ML	2.3	0.3	8 BGR	1023012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.53	105.0	Pg	12:43:56.899	-0.5					T__				m_e	ML 1.9
WTTA	0.53	105.0	Sg	12:44:04.458	0.1					T__				m_e	
DAVA	0.69	260.6	Pg	12:43:59.709	-0.6					T__				m_e	ML 2.1
DAVA	0.69	260.6	Sg	12:44:10.489	1.2					T__				m_e	
FUR	0.80	19.1	Pg	12:44:03.099	0.6					T__				m_e	
FUR	0.80	19.1	Sg	12:44:14.915	1.9					T__				m_e	
RJOB	1.33	74.8	Pg	12:44:12.613	0.1					T__				m_e	ML 2.3
RJOB	1.33	74.8	Sg	12:44:29.940	0.2					T__				m_e	
KBA	1.70	100.1	Pg	12:44:18.807	-0.6					T__				m_e	ML 2.1

KBA	1.70	100.1	Sg	12:44:43.022	1.5	T__												m_e	
BFO	1.95	299.4	Pg	12:44:23.581	-0.4	T__												m_e ML	2.4
BFO	1.95	299.4	Sg	12:44:48.848	-0.3	T__												m_e	
WET	2.19	36.6	Pn	12:44:22.575	-0.3	T__												m_e ML	2.5
WET	2.19	36.6	Sg	12:44:55.437	-1.5	T__												m_e	
GRA1	2.30	5.5	Pg	12:44:30.565	-0.1	T__												m_e ML	2.8
GRA1	2.30	5.5	Sg	12:45:00.105	-0.3	T__												m_e	
MOA	2.32	77.7	Sg	12:45:00.699	-0.5	T__												m_e ML	2.4

Event 1023013 Fuessen/Allgaeu, German-Austrian border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	12:44:22.70	0.12	0.18	47.3066	10.9331	5.0	2.0	019	2.0	0.0	10	5	332			m i ke	LDG	1023023
2010/10/23	12:44:24.69	0.42	0.83	47.4020	10.9030	5.6	3.3	166	10.0f		10	7	161	0.70	2.36	m i ke	BGR	1023013

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	7 LDG	1023023
ML	2.3	0.2	6 BGR	1023013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.70	260.9	Pg	12:44:37.474	-0.6					T__				m_e ML	2.0
DAVA	0.70	260.9	Sg	12:44:47.968	0.8					T__				m_e	
FUR	0.80	18.1	Pg	12:44:40.586	0.7					T__				m_e	
FUR	0.80	18.1	Sg	12:44:52.006	1.7					T__				m_e	
KBA	1.69	100.1	Pg	12:44:56.534	-0.0					T__				m_e ML	2.0
KBA	1.69	100.1	Sg	12:45:18.869	0.4					T__				m_e	
BFO	1.96	299.2	Sg	12:45:26.369	-0.7					T__				m_e ML	2.3
WET	2.18	36.3	Sg	12:45:32.971	-1.1					T__				m_e ML	2.5
GRA1	2.30	5.1	Sg	12:45:37.534	-0.3					T__				m_e ML	2.6
GEC2	2.36	51.3	Sg	12:45:39.101	-0.6					T__				m_e ML	2.4

Event 1023014 Wolfgangsee, Bad Ischl/A, W Salzkammergut

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/23	19:36:09.11	0.08	0.28	47.6816	13.6343	0.7	0.5	173	4.7	1.4	37	12	035			m i fe	ZAMG	1023024
2010/10/23	19:36:11.19	0.24	0.98	47.6790	13.5930	4.4	3.3	061	10.0f		20	11	065	0.48	3.58	m i ke	BGR	1023014

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.5	15 ZAMG	1023024
ML	2.0	0.2	9 BGR	1023014

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

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
MOA	0.48	69.1	Pg	19:36:19.052	-1.4					T__				m_e ML	1.7
MOA	0.48	69.1	Sg	19:36:27.586	0.8					T__				m_e	
RJOB	0.54	276.5	Pg	19:36:20.067	-1.4					T__				m_e ML	1.8

KBA	0.62	195.7	Pg	19:36:21.616	-1.5	T__	m_e	ML	1.8
KBA	0.62	195.7	Sg	19:36:30.564	-0.7	T__	m_e		
GEC2	1.17	3.5	Pn	19:36:31.808	-1.1	T__	m_e	ML	2.1
GEC2	1.17	3.5	Pg	19:36:32.997	-0.3	T__	m_e		
GEC2	1.17	3.5	Sg	19:36:49.237	0.8	T__	m_e		
OBKA	1.34	150.6	Pg	19:36:37.466	1.0	T__	m_e	ML	2.0
OBKA	1.34	150.6	Sg	19:36:54.698	0.9	T__	m_e		
ARSA	1.37	107.5	Pg	19:36:37.476	0.3	T__	m_e	ML	2.0
WTTA	1.39	253.3	Pg	19:36:37.669	0.3	T__	m_e	ML	2.2
WET	1.54	342.3	Pg	19:36:38.996	-1.3	T__	m_e	ML	2.3
WET	1.54	342.3	Sg	19:37:00.409	0.2	T__	m_e		
FUR	1.63	288.2	Pg	19:36:41.423	-0.5	T__	m_e	ML	2.5
FUR	1.63	288.2	Sg	19:37:04.462	1.5	T__	m_e		
MOX	3.24	337.2	Pn	19:37:01.782	0.8	T__	m_e		
MOX	3.24	337.2	Sg	19:37:53.346	-0.7	T__	m_e		
BFO	3.58	282.4	Pn	19:37:07.093	1.5	T__	m_e		
BFO	3.58	282.4	Sg	19:38:05.702	0.7	T__	m_e		

Event 1025002 Feldkirch/A, Swiss-Liechtenstein-Austrian border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/25	20:00:32.80	0.59	0.21	47.2520	9.5150				5.0f			7	344	1.34	4.03	m i ke	BNS	1025042
2010/10/25	20:00:30.70	0.07	0.81	47.2522	9.5154	1.5	1.4	003	3.0f		118	34	035			m i ke	LDG	1025032
2010/10/25	20:00:30.44	0.19	0.24	47.2548	9.5339	1.2	1.2	029	5.8	1.1	27	7	188			m i fe	ZAMG	1025022
2010/10/25	20:00:30.90			47.2500	9.5600				3.0							m i uk	SED	1025012
2010/10/25	20:00:31.69	0.46	1.48	47.2670	9.5330	10.0	4.4	022	10.0f		31	16	225	0.24	3.69	m i ke	BGR	1025002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5		BNS	1025042
MD	3.2	0.1	4 LDG	1025032
ML	3.1	0.3	37 LDG	1025032
ML	3.1	0.2	8 ZAMG	1025022
ML	3.0		SED	1025012
ML	3.1	0.2	16 BGR	1025002

Effects	Loctyp	Location	Intensity	Scale	Author
HF	Summar		5.0	EMS	ZAMG

(Felt in Feldkirch, acoustic observation of a big bang, some reports of fissures in the plastering)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
DAVA	0.24	85.1	Pg	20:00:35.341	-1.1					T__				m_e	ML	2.6
DAVA	0.24	85.1	Sg	20:00:39.343	-0.4					T__				m_e		
BFO	1.34	323.2	Pg	20:00:56.116	-0.8					T__				m_e	ML	2.8
BFO	1.34	323.2	Sg	20:01:13.621	-0.6					T__				m_e		
WTTA	1.43	89.4	Pg	20:00:57.920	-0.7					T__				m_e	ML	2.9
WTTA	1.43	89.4	Sg	20:01:19.155	2.0					T__				m_e		
FUR	1.48	52.0	Pg	20:00:59.681	0.1					T__				m_e	ML	3.1
FUR	1.48	52.0	Sg	20:01:19.873	1.2					T__				m_e		
STU	1.52	351.5	Pn	20:00:58.233	0.0					T__				m_e	ML	3.1
STU	1.52	351.5	Pg	20:01:00.235	-0.2					T__				m_e		
STU	1.52	351.5	Sg	20:01:17.703	-2.4					T__				m_e		

RJOB	2.25	76.8	Pg	20:01:10.439	-3.8	T__	m_e	ML	2.8
RJOB	2.25	76.8	Sg	20:01:44.078	0.7	T__	m_e		
KBA	2.60	92.8	Sg	20:01:53.688	-0.6	T__	m_e	ML	2.9
GRA1	2.67	24.2	Pn	20:01:12.777	-1.0	T__	m_e	ML	3.3
WET	2.91	48.7	Pn	20:01:17.133	0.0	T__	m_e	ML	3.1
WET	2.91	48.7	Sn	20:01:51.518	1.7	T__	m_e		
WET	2.91	48.7	Sg	20:02:02.461	-1.8	T__	m_e		
TNS	3.04	346.8	Pn	20:01:19.724	0.9	T__	m_e	ML	3.3
TNS	3.04	346.8	Sn	20:01:53.314	0.5	T__	m_e		
ROTZ	3.06	34.3	Pn	20:01:18.269	-0.8	T__	m_e	ML	3.2
ROTZ	3.06	34.3	Sn	20:01:55.598	2.3	T__	m_e		
GEC2	3.20	58.9	Pn	20:01:21.879	0.9	T__	m_e	ML	3.1
GEC2	3.20	58.9	Pg	20:01:30.711	-1.3	T__	m_e		
MOA	3.25	77.9	Pn	20:01:23.360	1.8	T__	m_e	ML	3.2
BGG	3.28	334.6	Pn	20:01:23.600	1.6	---	m_e		
BGG	3.28	334.6	Sn	20:02:02.200	3.9	---	m_e		9.6 0.39
WLF	3.28	318.2	Pn	20:01:24.730	2.7	T__	m_e	ML	3.2
WLF	3.28	318.2	Pg	20:01:33.822	0.3	T__	m_e		
HILG	3.56	329.2	Pn	20:01:27.500	1.6	---	m_e		
MOX	3.64	21.3	Pn	20:01:25.649	-1.3	T__	m_e	ML	3.3
TANN	3.69	30.4	Pn	20:01:26.100	-1.5	T__	m_e	ML	3.4
TANN	3.69	30.4	Sn	20:02:09.564	1.5	T__	m_e		
TANN	3.69	30.4	Sg	20:02:28.988	0.0	T__	m_e		
STB	3.77	333.0	Pn	20:01:30.300	1.6	---	m_e		
HOBG	3.98	339.7	Pn	20:01:33.300	1.7	---	m_e		
KLL	3.99	329.2	Pn	20:01:33.700	2.1	---	m_e		
DREG	4.03	328.7	Pn	20:01:34.200	2.0	---	m_e		

Event 1026005 Tauern Mountains/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2010/10/26	04:44:09.11	0.20	0.55	47.2102	14.4945	1.6	1.2	012	6.0	0.0	18	7	048			m i uk	ZAMG	1026015	
(Felt)																			
2010/10/26	04:44:09.76	0.30	0.69	47.2190	14.5150	3.3	3.3	044	10.0f		17	10	102	0.65	3.15	m i ke	BGR	1026005	
(#PRIME)																			

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	7 ZAMG	1026015
ML	2.1	0.4	9 BGR	1026005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
MOA	0.65	345.2	Pg	04:44:22.430	0.3					T__				m_e	ML 1.7
MOA	0.65	345.2	Sg	04:44:31.362	0.7					T__				m_e	
ARSA	0.69	87.0	Pg	04:44:22.720	-0.1					T__				m_e	ML 1.6
ARSA	0.69	87.0	Sg	04:44:31.999	0.3					T__				m_e	
OBKA	0.71	178.1	Pg	04:44:23.449	0.2					T__				m_e	ML 1.9
OBKA	0.71	178.1	Sg	04:44:32.607	0.1					T__				m_e	
KBA	0.81	260.4	Pg	04:44:24.254	-0.8					T__				m_e	ML 1.9
KBA	0.81	260.4	Sg	04:44:34.143	-1.5					T__				m_e	
RJOB	1.27	294.7	Pg	04:44:34.589	0.8					T__				m_e	ML 2.3
RJOB	1.27	294.7	Sg	04:44:51.632	1.3					T__				m_e	
GEC2	1.71	341.8	Pg	04:44:41.133	-1.0					T__				m_e	ML 2.3

GEC2	1.71	341.8	Sg	04:45:03.694	-0.6	T__	m_e	
WTTA	1.95	272.4	Pg	04:44:46.864	0.2	T__	m_e ML	2.5
WTTA	1.95	272.4	Sg	04:45:12.305	0.4	T__	m_e	
WET	2.21	331.1	Sg	04:45:20.128	0.0	T__	m_e ML	2.3
ROTZ	2.97	329.9	Sg	04:45:43.616	-0.6	T__	m_e ML	2.7
DAVA	3.15	272.9	Sg	04:45:50.741	1.0	T__	m_e	

Event 1031004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2010/10/31	17:42:10.38	0.45	0.68	51.5440	16.1190	6.7	2.2	022	1.0f		24	17	201	0.71	3.62	m i ki	BGR	1031004

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.3	17 BGR	1031004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.71	171.1	Pg	17:42:23.988	0.2					T__				m_e ML	2.7
KSP	0.71	171.1	Sg	17:42:33.581	0.7					T__				m_e	
DPC	1.20	173.8	Pg	17:42:32.735	-0.3					T__				m_e ML	3.6
DPC	1.20	173.8	Sg	17:42:48.434	-0.1					T__				m_e	
BRG	1.52	244.7	Pn	17:42:37.310	-0.6					T__				m_e ML	3.4
BRG	1.52	244.7	Pg	17:42:38.877	-0.1					T__				m_e	
BRG	1.52	244.7	Sg	17:42:59.010	0.4					T__				m_e	
FBE	1.84	251.3	Pg	17:42:44.417	-0.6					T__				m_e ML	3.2
FBE	1.84	251.3	Sg	17:43:08.395	-0.4					T__				m_e	
CLL	1.96	264.3	Pn	17:42:43.216	-0.6					T__				m_e ML	3.2
CLL	1.96	264.3	Sg	17:43:12.185	-0.4					T__				m_e	
MORC	1.98	152.4	Pn	17:42:44.275	0.0					T__				m_e ML	3.7
OKC	2.14	142.2	Sg	17:43:17.122	-1.1					T__				m_e ML	3.3
TANN	2.56	245.3	Pn	17:42:52.192	0.1					T__				m_e ML	3.6
WERD	2.64	246.9	Pn	17:42:53.076	-0.0					T__				m_e ML	3.4
OJC	2.67	118.3	Pn	17:42:51.944	-1.6					T__				m_e ML	3.7
OJC	2.67	118.3	Sg	17:43:36.359	1.1					T__				m_e	
MOX	2.97	254.1	Pn	17:42:57.308	-0.3					T__				m_e ML	3.9
MANZ	2.98	240.0	Pn	17:42:58.347	0.7					T__				m_e ML	3.7
ROTZ	3.05	235.9	Pn	17:42:59.232	0.5					T__				m_e ML	3.4
GEC2	3.11	210.8	Pn	17:42:59.687	0.2					T__				m_e ML	3.5
WET	3.17	222.0	Pn	17:43:00.747	0.5					T__				m_e ML	3.4
CLZ	3.57	277.0	Pn	17:43:06.793	1.0					T__				m_e ML	3.7
GRA1	3.62	241.1	Pn	17:43:07.165	0.8					T__				m_e ML	4.1

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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