

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 31001005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/01	15:34:41.64	0.71	1.15	51.3760	16.1279	7.1	2.6	059	0.0	0.0	27	4	061			m i sr	ZAMG	31001015
2013/10/01	15:34:41.80	0.46	0.56	51.4020	16.2080	5.6	2.2	015	1.0f		23	11	207	0.56	3.10	m i ki	BGR	31001005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.0	6 ZAMG	31001015
ML	3.2	0.3	10 BGR	31001005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.56	174.5	Pg	15:34:52.837	0.5					T__				m_e	ML 2.6
KSP	0.56	174.5	Sg	15:34:59.627	-0.0					T__				m_e	
BRG	1.52	250.5	Pn	15:35:08.474	-0.8					T__				m_e	ML 3.0
BRG	1.52	250.5	Pg	15:35:10.088	-0.3					T__				m_e	
BRG	1.52	250.5	Sg	15:35:30.540	0.6					T__				m_e	
MORC	1.83	151.9	Pn	15:35:13.690	0.1					T__				m_e	ML 3.3
MORC	1.83	151.9	Sg	15:35:39.327	-0.7					T__				m_e	
OKC	1.99	141.1	Sg	15:35:44.506	-0.5					T__				m_e	ML 2.7
CLL	2.00	268.6	Pn	15:35:15.068	-0.9					T__				m_e	ML 3.1
CLL	2.00	268.6	Sg	15:35:44.979	-0.5					T__				m_e	
OJC	2.56	116.1	Pg	15:35:29.685	-0.3					T__				m_e	ML 3.3
OJC	2.56	116.1	Sg	15:36:04.146	1.1					T__				m_e	
TANN	2.56	248.8	Pn	15:35:23.859	0.4					T__				m_e	ML 3.7
TANN	2.56	248.8	Pg	15:35:30.099	0.1					T__				m_e	
TANN	2.56	248.8	Sg	15:36:03.606	0.5					T__				m_e	
MANZ	2.96	243.0	Pn	15:35:29.321	0.5					T__				m_e	ML 3.4
MANZ	2.96	243.0	Sg	15:36:16.491	0.7					T__				m_e	
MOX	2.99	257.1	Pn	15:35:29.312	0.1					T__				m_e	ML 3.5
MOX	2.99	257.1	Pg	15:35:37.876	-0.2					T__				m_e	
MOX	2.99	257.1	Sg	15:36:16.610	-0.0					T__				m_e	
ROTZ	3.02	238.8	Pn	15:35:30.485	0.8					T__				m_e	ML 3.3
ROTZ	3.02	238.8	Sg	15:36:17.798	0.0					T__				m_e	
WET	3.10	224.6	Pn	15:35:31.565	0.8					T__				m_e	

Event 31002002 Landau i.d. Pfalz, NW of Karlsruhe

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/02	01:13:26.80	0.04	0.53	49.1571	8.1413	0.8	0.7	127	6.0f		102	20	030			m i ke	LDG	31002032
2013/10/02	01:13:27.20	1.49	0.61	49.1620	8.1930				4.0f			8	146	0.76	1.68	m i ki	BNS	31002022
2013/10/02	01:13:26.86	0.23	0.32	49.1610	8.1550	2.2	2.2	011	3.0f		20	10	073	0.02	2.05	m i ki	BGR	31002012
2013/10/02	01:13:26.89	0.10	0.21	49.1620	8.1520	1.1	1.0	111	4.0	1.0	56	32	034	0.02	2.20	m i ki	LED	31002002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.4	21 LDG	31002032
ML	1.8		BNS	31002022
ML	2.1	0.3	9 BGR	31002012
ML	2.1	0.2	32 LED	31002002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LDE	0.02	333.3	Pg	01:13:27.770	0.1					T__				md_	
LDE	0.02	333.3	Sg	01:13:29.160	1.0					T__				m__	
INSH	0.02	148.2	Pg	01:13:27.670	0.0					T__				mdi	
INSH	0.02	148.2	Sg	01:13:29.380	1.2					T__				m__	
INS7	0.04	93.0	Pg	01:13:28.090	0.2					---				m_e	
INS7	0.04	93.0	Sg	01:13:29.883	1.3					---				m_e	
INS4	0.04	320.5	Pg	01:13:28.293	0.4					---				m_e	
INS4	0.04	320.5	Sg	01:13:30.164	1.5					---				m_e	
TMO64	0.04	283.0	Pg	01:13:28.190	0.2					T__				mc_	
TMO64	0.04	283.0	Sg	01:13:29.900	1.2					T__				m__	
INS2	0.04	196.0	Pg	01:13:28.220	0.3					T__				mdi	
INS2	0.04	196.0	Sg	01:13:30.160	1.5					T__				m__	
INS5	0.05	134.4	Pg	01:13:28.140	0.1					---				m_e	
INS5	0.05	134.4	Sg	01:13:29.843	1.1					---				m_e	
TMO22	0.06	20.5	Pg	01:13:28.611	0.4					---				m_e	
TMO22	0.06	20.5	Sg	01:13:30.913	1.8					---				m_e	
INS1	0.07	258.8	Pg	01:13:28.747	0.4					---				m_e	
INS1	0.07	258.8	Sg	01:13:30.814	1.4					---				m_e	
INS6	0.08	160.2	Pg	01:13:28.856	0.3					---				m_e	
INS6	0.08	160.2	Sg	01:13:31.067	1.4					---				m_e	
INS3	0.08	215.0	Pg	01:13:28.932	0.4					---				m_e	
INS3	0.08	215.0	Sg	01:13:31.408	1.7					---				m_e	
KTD	0.16	344.3	Pg	01:13:30.240	0.2					T__				md_ ML	2.0
KTD	0.16	344.3	Sg	01:13:32.870	0.6					T__				m__	
LANF	0.29	231.5	Pg	01:13:32.480	0.1					T__				mc_	
LANF	0.29	231.5	Sg	01:13:36.790	0.6					T__				m__	
PEB	0.30	251.7	Pg	01:13:32.670	0.1					T__				mc_ ML	1.9
PEB	0.30	251.7	Sg	01:13:37.060	0.6					T__				m__	
BRET	0.38	112.7	Pg	01:13:34.300	0.2					T__				mc_ ML	1.9
BRET	0.38	112.7	Sg	01:13:39.720	0.6					T__				m__	
IMS	0.46	339.4	P*	01:13:37.180						---				m__ ML	1.6
IMS	0.46	339.4	Pg	01:13:35.620	-0.0					T__				md_	
IMS	0.46	339.4	Sg	01:13:41.900	0.3					T__				m__	
SWS	0.48	47.8	Pg	01:13:36.020	0.0					T__				mc_ ML	2.1
SWS	0.48	47.8	PmP	01:13:37.870	-2.2					---				m__	
SWS	0.48	47.8	Sg	01:13:42.830	0.6					T__				m__	
SWS	0.48	47.8	SmS	01:13:45.860	-3.2					---				m__	
TOD	0.61	43.5	Pg	01:13:38.300	-0.2					T__				m__	
TOD	0.61	43.5	PmP	01:13:40.240	-1.6					T__				m__	
TOD	0.61	43.5	Sg	01:13:46.810	0.4					T__				m__	
LBG	0.65	139.4	Pg	01:13:39.250	0.0					T__				m__	
LBG	0.65	139.4	SmS	01:13:51.280	-1.8					T__				m__	
WBA	0.66	41.1	Pg	01:13:39.340	0.1					T__				m__ ML	2.2
WBA	0.66	41.1	S*	01:13:50.190						T__				m__	
OPP	0.67	178.0	Pg	01:13:39.280	-0.2					T__				m__ ML	2.3
OPP	0.67	178.0	PmP	01:13:40.860	-1.8					T__				m__	
OPP	0.67	178.0	SmS	01:13:51.110	-2.3					T__				m__	
BODE	0.75	7.1	PmP	01:13:42.670	-1.3					T__				m__	
BODE	0.75	7.1	SmS	01:13:54.310	-1.4					T__				m__	
WBB	0.76	25.8	Pg	01:13:41.330	0.1					---				m__ ML	2.2
STU	0.79	119.4	PmP	01:13:41.960	-2.6					---				m__ ML	2.5
STU	0.79	119.4	Sg	01:13:52.421	0.5					---				m_e	

STU	0.79	119.4	SmS	01:13:54.590	-2.0	---	m_		
ABH	0.82	331.6	Pg	01:13:42.510	0.2	T_	md_	ML	1.9
ABH	0.82	331.6	PmP	01:13:43.930	-1.1	T_	m_		
BFO	0.84	171.9	Pg	01:13:42.570	-0.2	T_	m_	ML	2.2
BFO	0.84	171.9	PmP	01:13:43.840	-1.5	T_	m_		
BFO	0.84	171.9	Sg	01:13:55.232	1.6	---	m_e		
TUBL	0.89	135.9	Pg	01:13:43.630	0.0	T_	m_	ML	2.2
RUP	0.89	307.6	Pg	01:13:43.790	0.1	T_	m_		
WLS	0.92	215.4	Sg	01:13:57.060	1.1	---	m_		
DUP	0.93	286.2	Pg	01:13:44.370	0.0	T_	m_	ML	2.3
SIND	0.97	78.3	Pg	01:13:44.620	-0.5	T_	m_	ML	2.3
SIND	0.97	78.3	Sg	01:13:58.910	1.3	T_	m_		
RIVT	1.05	301.7	Pg	01:13:46.730	-0.0	T_	m_	ML	2.1
RIVT	1.05	301.7	Sg	01:14:01.724	1.3	---	m_e		
BUCH	1.06	131.6	Pg	01:13:47.380	0.4	T_	m_		
BUCH	1.06	131.6	SmS	01:14:02.470	-1.8	T_	m_		
TNS	1.08	10.1	Pn	01:13:46.620	-1.5	T_	m_		
TNS	1.08	10.1	Sg	01:14:01.896	0.8	---	m_e		
TNS	1.08	10.1	SmS	01:14:03.260	-1.4	T_	m_		
ECH	1.15	215.1	Pn	01:13:47.140	-1.9	---	m_	ML	2.3
ECH	1.15	215.1	PmP	01:13:49.320	-1.2	T_	m_		
ECH	1.15	215.1	Sn	01:14:02.910	-1.8	---	m_		
BGG	1.17	333.5	Pg	01:13:48.771	-0.2	---	m_e		
BGG	1.17	333.5	Sg	01:14:04.469	0.4	---	m_e		
FACH	1.20	355.2	Pn	01:13:49.020	-0.7	---	m_	ML	2.2
FACH	1.20	355.2	Sg	01:14:05.970	1.0	T_	m_		
KIZ	1.22	187.4	Pn	01:13:47.960	-2.0	T_	m_	ML	2.0
KIZ	1.22	187.4	Pg	01:13:49.720	-0.1	---	m_		
KIZ	1.22	187.4	Sg	01:14:06.140	0.6	---	m_		
GWBC	1.23	3.5	Pg	01:13:50.610	0.5	---	m_	ML	2.1
GUT	1.26	149.4	Pg	01:13:50.840	0.1	T_	m_	ML	2.1
GUT	1.26	149.4	Sg	01:14:07.420	0.4	---	m_		
WBG	1.27	37.0	Sg	01:14:07.910	0.6	T_	m_	ML	2.2
FELD	1.29	184.4	Pn	01:13:49.240	-1.7	---	m_	ML	1.8
FELD	1.29	184.4	Pg	01:13:51.080	-0.1	T_	m_		
FELD	1.29	184.4	Sg	01:14:08.390	0.5	T_	m_		
BERGE	1.29	179.2	Pn	01:13:49.380	-1.6	T_	m_	ML	1.9
BERGE	1.29	179.2	Sg	01:14:08.350	0.4	T_	m_		
KOE	1.29	348.0	Pg	01:13:51.523	0.3	---	m_e		
LAGB	1.38	330.9	Pg	01:13:52.660	-0.2	---	m_	ML	1.8
LAGB	1.38	330.9	Sg	01:14:10.110	-0.6	---	m_		
WLF	1.39	291.9	Pn	01:13:52.135	-0.3	---	m_e	ML	2.0
WLF	1.39	291.9	Pg	01:13:52.920	-0.3	---	m_		
SLE	1.41	170.7	Pn	01:13:51.240	-1.4	---	m_	ML	2.0
HDH	1.47	112.4	Pg	01:13:54.580	-0.0	---	m_	ML	2.2
HDH	1.47	112.4	Sg	01:14:13.780	0.2	---	m_		
END	1.47	190.9	Pn	01:13:51.250	-2.2	---	m_	ML	1.6
HILG	1.48	320.4	Pg	01:13:54.648	-0.1	---	m_e		
AHRW	1.54	333.7	Pn	01:13:54.492	0.1	---	m_e	ML	1.9
AHRW	1.54	333.7	Pg	01:13:55.824	-0.2	---	m_e		
WALHA	1.55	155.1	Pg	01:13:56.500	0.4	---	m_	ML	2.2
BIW	1.58	352.8	Pg	01:13:56.080	-0.6	---	m_	ML	1.9
BLI	1.61	312.3	Pg	01:13:56.590	-0.7	---	m_	ML	2.0
STB	1.66	329.9	Pn	01:13:55.800	-0.2	---	m_e		

19.3 0.43

NORI	1.68	104.3	Pg	01:13:58.533	-0.1	---	m_e	ML	2.4
NORI	1.68	104.3	Sg	01:14:20.200	-0.2	---	m_e		
THEF	1.70	237.6	Sg	01:14:20.840	-0.2	---	m_		
HROE	1.89	42.5	Sg	01:14:25.793	-1.1	---	m_e		
MEM	2.00	317.2	Sg	01:14:29.420	-1.0	---	m_		
KAST	2.05	4.7	Pn	01:14:00.920	-0.4	---	m_e	ML	2.3
LIENZ	2.07	153.9	Pn	01:14:01.620	0.1	---	m_	ML	1.8
DAVA	2.20	147.8	Sn	01:14:28.960	-0.4	---	m_	ML	2.1

Event 31002011 Weinfeld, Kreuzlingen/CH (Thurgau)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/02	14:22:35.54	0.91	0.94	47.4575	9.2612	6.3	4.4	152	0.0	0.0	17	3	019			m i sm	ZAMG	31002051
2013/10/02	14:22:35.90	0.14	0.38	47.4580	9.3546	3.2	1.4	053	4.0f		32	4	164			m i ke	LDG	31002041
2013/10/02	14:22:35.00			47.4300	9.3200				4.5							m i uk	SED	31002031
2013/10/02	14:22:36.94	0.27	0.41	47.4390	9.3120	3.3	2.2	021	4.0f		19	11	092	0.27	1.11	m i ki	BGR	31002021
2013/10/02	14:22:36.20	0.30	0.41	47.4300	9.3000	4.0	2.0	027	5.0f		34	18	130	0.19	1.64	m i ki	LED	31002011

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.3	6 ZAMG	31002051
ML	2.2	0.1	3 LDG	31002041
ML	1.8		SED	31002031
ML	1.6	0.2	11 BGR	31002021
ML	1.9	0.2	17 LED	31002011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
LIENZ	0.19	135.5	Pg	14:22:39.880	0.0					T_				m_	ML	1.5
LIENZ	0.19	135.5	Sg	14:22:43.490	1.2					T_				m_		
WILA	0.27	266.8	Pg	14:22:41.900	0.6					T_				m_	ML	1.8
WILA	0.27	266.8	Sg	14:22:46.530	1.8					T_				m_		
SISB	0.34	318.7	Pg	14:22:43.300	0.6					T_				m_		
SISB	0.34	318.7	Sg	14:22:48.660	1.5					T_				m_		
WALHA	0.34	339.8	Pg	14:22:43.220	0.5					T_				md_	ML	1.4
WALHA	0.34	339.8	Sg	14:22:48.880	1.7					T_				m_		
PLONS	0.38	171.8	Pg	14:22:43.852	0.3									m_e	ML	1.2
PLONS	0.38	171.8	Sg	14:22:49.840	1.3									m_e		
DAVA	0.42	109.8	Sg	14:22:50.650	1.1					T_				m_	ML	1.7
UBR	0.60	65.0	Pg	14:22:47.870	0.3					T_				mc_	ML	1.5
UBR	0.60	65.0	Sg	14:22:56.710	1.4					T_				m_		
SLE	0.64	302.0	Pg	14:22:48.450	0.2					T_				md_	ML	1.5
SLE	0.64	302.0	PmP	14:22:50.530	-0.9					T_				m_		
SLE	0.64	302.0	Sg	14:22:57.500	0.9					T_				m_		
GUT	0.65	349.1	Pg	14:22:48.540	0.0					T_				mdi	ML	2.0
GUT	0.65	349.1	PmP	14:22:50.710	-0.9					T_				m_		
GUT	0.65	349.1	SmS	14:23:01.690	-0.5					T_				m_		
METMA	0.76	292.2	PmP	14:22:52.470	-0.8					T_				mc_	ML	1.7
METMA	0.76	292.2	Sg	14:23:01.153	0.7									m_e		
METMA	0.76	292.2	SmS	14:23:03.940	-1.1					T_				m_		
SULZ	0.81	277.5	Sg	14:23:03.685	1.8									m_e	ML	1.8
BERGE	0.88	300.7	PmP	14:22:54.170	-1.0					T_				m_	ML	1.9
BERGE	0.88	300.7	Sg	14:23:04.990	0.9									m_e		

BERGE	0.88	300.7	SmS	14:23:07.040	-1.1	T__	m__		
FELD	0.98	297.6	PmP	14:22:55.870	-1.0	T__	m__	ML	1.8
FELD	0.98	297.6	SmS	14:23:10.240	-0.8	T__	m__		
BUCH	1.02	2.0	PmP	14:22:56.100	-1.5	T__	mC	ML	1.9
KIZ	1.07	300.0	Pg	14:22:56.480	0.1	T__	m__	ML	1.9
KIZ	1.07	300.0	PmP	14:22:57.570	-0.8	---	m__		
KIZ	1.07	300.0	Sg	14:23:11.050	0.9	T__	m__		
BALST	1.09	265.6	Pg	14:22:57.210	0.4	---	m__	ML	1.6
BALST	1.09	265.6	Sg	14:23:12.350	1.5	T__	m__		
END	1.09	285.7	Pg	14:22:57.230	0.4	---	m__	ML	1.9
END	1.09	285.7	Sg	14:23:12.180	1.3	---	m__		
END	1.09	285.7	SmS	14:23:12.780	-1.5	T__	m__		
BFO	1.11	324.5	Pg	14:22:57.340	0.2	T__	m__	ML	1.9
BFO	1.11	324.5	PmP	14:22:57.790	-1.3	T__	m__		
BFO	1.11	324.5	Sg	14:23:12.621	1.1	---	m_e		
BFO	1.11	324.5	SmS	14:23:13.820	-1.0	T__	m__		
LBG	1.28	344.9	PmP	14:23:00.350	-1.7	T__	m__	ML	2.0
HDH	1.30	27.4	PmP	14:23:00.800	-1.7	T__	m__	ML	2.4
HDH	1.30	27.4	Sg	14:23:18.350	0.7	---	m__		
HDH	1.30	27.4	SmS	14:23:18.850	-1.7	T__	m__		
BOURR	1.40	269.3	Sg	14:23:21.960	1.3	---	m__	ML	1.8
ECH	1.64	299.5	Sn	14:23:23.810	-1.5	---	m__	ML	1.9
ECH	1.64	299.5	Sg	14:23:28.260	-0.0	---	m__		

Event 31002009 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2013/10/02	17:17:43.20	1.49	0.70	47.6590	15.6480				10.0f			7	353	5.88	6.84	m i ke	BNS	31002029	
2013/10/02	17:17:36.66	0.20	3.09	47.9098	16.4176	1.9	1.4	135	14.1	1.9	30	4	019			m i fe	ZAMG	31002019	
2013/10/02	17:17:40.57	0.56	1.00	47.9320	16.1160	8.9	4.4	078	10.0f			24	18	257	0.79	6.78	m i ke	BGR	31002009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BNS	31002029
ML	4.2	0.2	4 ZAMG	31002019
ML	4.4	0.4	18 BGR	31002009

Effects Loctyp Location Intensity Scale Author
 D Summar 5.0- 6.0 EMS ZAMG

(Slight damage to buildings (fissures and spalling of plastering). Objects toppled down.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	0.79	210.6	Pg	17:17:53.342	-2.2					T__				m_e	ML 3.8
ARSA	0.79	210.6	Sg	17:18:05.620	-0.2					T__				m_e	
MOA	1.24	266.9	Pg	17:18:02.804	-1.3					T__				m_e	ML 3.8
MOA	1.24	266.9	Sg	17:18:23.065	2.9					T__				m_e	
OBKA	1.78	217.4	Pn	17:18:09.664	-0.9					T__				m_e	ML 3.7
GEC2	1.84	300.6	Pn	17:18:11.010	-0.5					T__				m_e	ML 4.0
KBA	2.06	246.5	Pn	17:18:14.906	0.5					T__				m_e	ML 3.9
KBA	2.06	246.5	Sg	17:18:45.915	-0.1					T__				m_e	
RJOB	2.24	266.2	Pn	17:18:17.092	0.3					T__				m_e	ML 4.0
WET	2.46	300.7	Pn	17:18:20.529	0.7					T__				m_e	ML 4.4

MANZ	2.94	241.5	Pn	21:53:52.348	0.8	T__	m_e	ML	3.2
MANZ	2.94	241.5	Pg	21:54:00.773	0.6	T__	m_e		
MANZ	2.94	241.5	Sg	21:54:38.426	0.3	T__	m_e		
MOX	2.95	255.7	Pn	21:53:52.342	0.7	T__	m_e	ML	3.5
MOX	2.95	255.7	Pg	21:53:59.953	-0.4	T__	m_e		
MOX	2.95	255.7	Sg	21:54:39.137	0.6	T__	m_e		
ROTZ	3.01	237.3	Pn	21:53:52.953	0.5	T__	m_e	ML	3.0
ROTZ	3.01	237.3	Sg	21:54:40.278	-0.1	T__	m_e		
GEC2	3.04	211.7	Pn	21:53:54.172	1.3	T__	m_e	ML	3.1
GEC2	3.04	211.7	Sg	21:54:40.800	-0.6	T__	m_e		
WET	3.11	223.2	Pn	21:53:54.443	0.6	T__	m_e	ML	3.1
WET	3.11	223.2	Sg	21:54:43.043	-0.5	T__	m_e		

Event 31007004 Recklinghausen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/07	17:52:01.40	0.58	0.21	51.7680	7.0560				1.0f			9	313	0.35	1.57	m i ki	BNS	31007034
2013/10/07	17:52:01.30	0.25	0.11	51.7270	7.0670				1.0f			11	261			m i ki	GDNRW	31007024
2013/10/07	17:52:02.65	0.28	0.95	51.7090	7.0440	5.6	3.3	097	1.0f	16	9	113	0.30	2.12	m i ki	BGR	31007014	
2013/10/07	17:52:01.10			51.7440	7.1020				1.0f							m i ki	BUG	31007004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	31007034
ML	2.0		GDNRW	31007024
ML	2.1	0.2	7 BGR	31007014
ML	1.9		BUG	31007004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTSB	0.29	320.0	Pg	17:52:07.900	1.3					___				m_e	ML 1.8
WTSB	0.29	320.0	Sg	17:52:13.528	3.2					___				m_e	
BUG	0.32	161.0	Pg	17:52:08.100	1.0					TA_				m_e	ML 1.9
BUG	0.32	161.0	Sg	17:52:13.000	1.7					TA_				m_	
LAUG	0.41	194.1	Pg	17:52:09.362	0.6					___				m_e	
ENTS	0.54	158.9	Pg	17:52:12.035	0.8					___				mde	
ENTS	0.54	158.9	Sg	17:52:19.351	1.2					___				m_e	
SORT	0.67	125.8	Pg	17:52:14.475	0.8					___				mde	
SORT	0.67	125.8	Sg	17:52:24.114	1.8					___		42.0	0.41	m_e	
IBBN	0.69	35.5	Pg	17:52:15.229	1.1					___				m_e	ML 2.2
IBBN	0.69	35.5	Sg	17:52:26.359	3.3					___				m_e	
PLH	0.76	193.5	Pg	17:52:15.752	0.3					___				mce	
PLH	0.76	193.5	Sg	17:52:25.687	0.4					___		160.5	0.27	m_e	
HOBG	0.77	169.1	Pg	17:52:16.777	1.1					___				m_e	
RWB	0.87	223.0	Sg	17:52:29.286	0.5					___				m_e	
WBS	0.94	173.0	Pg	17:52:19.511	0.6					___				m_e	
WBS	0.94	173.0	Sg	17:52:32.136	1.0					___		71.2	0.26	m_e	
GSH	1.11	204.4	Pg	17:52:22.140	0.2					___				m_e	
GSH	1.11	204.4	Sg	17:52:36.614	0.4					___		26.6	0.30	m_e	
ACN	1.16	213.7	Sg	17:52:38.725	0.8					___		29.8	0.19	m_e	
STB	1.16	188.2	Pg	17:52:23.524	0.5					___				m_e	
STB	1.16	188.2	Sg	17:52:39.753	1.7					___		20.1	0.80	m_e	
TDN	1.17	184.9	Pg	17:52:23.539	0.3					___				m_e	

TDN	1.17	184.9	Sg	17:52:38.828	0.4	---	63.4	0.43	m_e										
AHRW	1.20	180.8	Pn	17:52:24.069	-0.3	---			m_e	ML	2.1								
AHRW	1.20	180.8	Sg	17:52:41.415	2.1	---			m_e										
KLL	1.20	204.6	Pg	17:52:23.852	0.1	---			m_e										
DREG	1.21	207.1	Pg	17:52:24.098	0.2	---			m_e										
DREG	1.21	207.1	Sg	17:52:40.750	1.2	---	38.7	0.32	m_e										
HGN	1.22	217.2	Pg	17:52:24.410	0.3	---			m_e	ML	2.3								
HGN	1.22	217.2	Sg	17:52:40.852	0.9	---			m_e										
OLFT	1.32	199.2	Sg	17:52:43.397	0.3	---			m_e										
MEM	1.33	211.5	Pg	17:52:25.548	-0.5	---			m_e										
MEM	1.33	211.5	Sg	17:52:43.603	0.4	---			m_e										
KOE	1.38	163.1	Pg	17:52:26.965	-0.1	---			m_e										
BHE	1.39	178.0	Pg	17:52:26.915	-0.4	---			m_e										
BHE	1.39	178.0	Sg	17:52:44.994	-0.3	---	14.0	0.23	m_e										
BGG	1.55	174.4	Pg	17:52:29.078	-1.1	---			m_e										
LOH	1.60	193.1	Pg	17:52:29.767	-1.5	---			m_e										
LOH	1.60	193.1	Sg	17:52:49.976	-2.0	---	16.0	0.26	m_e										
TNS	1.74	150.4	Pn	17:52:33.173	1.5	---			m_e	ML	2.1								
TNS	1.74	150.4	Sg	17:52:57.500	1.1	---			m_e										
CLZ	2.02	86.0	Pn	17:52:39.001	3.5	---			m_e	ML	2.2								
WLF	2.16	196.5	Sg	17:53:08.916	-1.0	---			m_e										

Event 31012006 Recklinghausen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/12	07:00:59.20	0.10	0.63	51.7539	7.0323	2.2	1.5	132	1.0f		69	19	087			m i sr	LDG	31012046
2013/10/12	07:00:59.90	0.76	0.21	51.7060	7.2760				1.4	18.2		13	170	0.27	1.35	m i ki	BNS	31012036
2013/10/12	07:01:00.10	0.25	0.11	51.6880	7.1360				1.0f			11	256			m i ki	GDNRW	31012026
2013/10/12	07:00:59.73	0.28	0.68	51.6760	7.1380	3.3	2.2	119	1.0f		20	10	104	0.25	2.11	m i ki	BGR	31012016
2013/10/12	07:00:57.30			51.7670	7.1330				1.0f							m i ki	BUG	31012006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	1	LDG	31012046
ML	3.1	0.3	17 LDG	31012046
ML	2.7		BNS	31012036
ML	2.6		GDNRW	31012026
ML	2.8	0.3	8 BGR	31012016
ML	2.6		BUG	31012006

Effects	Loctyp	Location	Intensity	Scale	Author
D	Summar		3.0	EMS	GDNRW

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTSB	0.29	314.1	Sg	07:01:11.371	5.0										
BUG	0.34	165.4	Pg	07:01:04.700	1.0					TA_				m_e	ML 2.6
BUG	0.34	165.4	Sg	07:01:11.900	3.9					TA_				m_e	
LAUG	0.43	195.8	Pg	07:01:07.567	2.1									m_e	
LAUG	0.43	195.8	Sg	07:01:13.603	2.6						574.6	1.72		m_e	
ENTS	0.55	161.7	Pg	07:01:09.936	2.2									m_e	
ENTS	0.55	161.7	Sg	07:01:16.548	1.7									m_e	
IBBN	0.66	35.3	Pg	07:01:12.448	2.7									m_e	ML 2.8

IBBN	0.66	35.3	Sg	07:01:23.118	4.8	---													m_e
SORT	0.67	128.4	Pg	07:01:12.402	2.5	---													m_e
SORT	0.67	128.4	Sg	07:01:20.922	2.4	---					157.7	0.53						m_e	
PLH	0.79	194.5	Pg	07:01:13.828	1.7	---												m_e	
PLH	0.79	194.5	Sg	07:01:23.826	1.5	---												m_e	
HOBG	0.79	170.8	Pg	07:01:13.886	1.6	---												m_e	
RWB	0.90	222.9	Pg	07:01:16.629	2.3	---												m_e	
RWB	0.90	222.9	Sg	07:01:28.162	2.2	---					379.1	0.43						m_e	
WBS	0.97	174.4	Pg	07:01:17.470	2.0	---												m_e	
WBS	0.97	174.4	Sg	07:01:29.360	1.4	---					158.4	0.38						m_e	
GSH	1.13	204.9	Pg	07:01:20.721	2.0	---												m_e	
GSH	1.13	204.9	Sg	07:01:34.958	1.6	---					124.2	0.45						m_e	
STB	1.19	189.0	Pg	07:01:20.844	1.2	---												m_e	
STB	1.19	189.0	Sg	07:01:36.448	1.4	---					181.9	0.53						m_e	
ACN	1.19	213.9	Sg	07:01:36.942	1.9	---					164.8	0.57						m_e	
TDN	1.20	185.7	Pg	07:01:21.391	1.5	---												m_e	
TDN	1.20	185.7	Sg	07:01:36.915	1.6	---					321.5	0.43						m_e	
AHRW	1.23	181.7	Pg	07:01:20.846	0.4	---												m_e ML	3.2
AHRW	1.23	181.7	Sg	07:01:36.209	-0.1	---												m_e	
HGN	1.25	217.3	Pg	07:01:22.230	1.3	---												m_e ML	2.8
HGN	1.25	217.3	Sg	07:01:36.964	-0.2	---												m_e	
OLFT	1.35	199.6	Sg	07:01:41.081	0.9	---												m_e	
MEM	1.35	211.7	Pn	07:01:22.887	0.3	---												m_e	
MEM	1.35	211.7	Pg	07:01:24.143	1.3	---												m_e	
MEM	1.35	211.7	Sg	07:01:40.454	0.1	---												m_e	
BHE	1.41	178.8	Pg	07:01:25.512	1.6	---												m_e	
BHE	1.41	178.8	Sg	07:01:43.000	0.8	---					62.3	0.55						m_e	
LOH	1.63	193.6	Sg	07:01:48.333	-0.7	---					106.2	0.66						m_e	
TNS	1.75	151.3	Pn	07:01:30.553	2.6	---												m_e ML	2.9
TNS	1.75	151.3	Pg	07:01:31.881	1.6	---												m_e	
TNS	1.75	151.3	Sg	07:01:51.864	-1.1	---												m_e	
CLZ	2.00	86.6	Pg	07:01:38.504	3.4	---												m_e ML	2.8
CLZ	2.00	86.6	Sg	07:02:04.465	3.5	---												m_e	
UBBA	2.03	116.7	Sg	07:02:02.422	0.7	---												m_e ML	2.8
WLF	2.19	196.8	Pg	07:01:40.273	1.7	---												m_e ML	3.0
WLF	2.19	196.8	Sg	07:02:07.167	0.2	---												m_e	

Event 31012003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/12	10:11:28.85	0.68	0.71	51.3206	16.1483	4.9	3.5	006	0.0	0.0	20	4	095			m i sr	ZAMG	31012013
2013/10/12	10:11:27.13	0.57	0.75	51.5150	16.1650	8.9	3.3	015	1.0f		19	14	213	0.68	3.17	m i ki	BGR	31012003

Magnitude Err Nsta Author OrigID

ML	2.8	0.2	6	ZAMG	31012013
ML	3.0	0.3	11	BGR	31012003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	173.1	Pg	10:11:39.698	-0.2					T__				m_e ML	2.4
KSP	0.68	173.1	Sg	10:11:49.246	0.6					T__				m_e	
DPC	1.17	175.1	Pg	10:11:48.569	-0.6					T__				m_e ML	3.2

BRG	1.53	246.1	Pn	10:11:54.277	-0.6	T__	m_e	ML	2.7
BRG	1.53	246.1	Sg	10:12:15.414	-0.4	T__	m_e		
FBE	1.86	252.5	Sg	10:12:27.959	1.8	T__	m_e	ML	2.7
MORC	1.95	152.8	Pn	10:12:00.055	-0.4	T__	m_e		
CLL	1.98	265.2	Sg	10:12:28.699	-1.4	T__	m_e	ML	3.0
OKC	2.10	142.4	Pn	10:12:01.754	-0.7	T__	m_e	ML	2.6
OKC	2.10	142.4	Sg	10:12:33.077	-0.6	T__	m_e		
TANN	2.58	246.2	Pn	10:12:08.959	-0.1	T__	m_e	ML	3.4
TANN	2.58	246.2	Sg	10:12:49.076	0.0	T__	m_e		
OJC	2.63	118.0	Pg	10:12:17.875	1.1	T__	m_e	ML	3.2
MANZ	2.99	240.8	Pn	10:12:14.588	0.0	T__	m_e	ML	3.2
MOX	2.99	254.8	Pn	10:12:15.141	0.6	T__	m_e	ML	3.3
MOX	2.99	254.8	Sg	10:13:02.595	0.6	T__	m_e		
ROTZ	3.06	236.7	Pn	10:12:15.568	0.0	T__	m_e	ML	3.0
GEC2	3.10	211.5	Pn	10:12:17.063	0.9	T__	m_e		
WET	3.17	222.8	Pn	10:12:17.067	0.1	T__	m_e		

Event 31014003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/14	19:53:21.69	0.52	0.57	51.5310	16.1920	6.7	3.3	015	1.0f		19	13	213	0.69	3.19	m i ki	BGR	31014003

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.4	11 BGR	31014003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.69	174.7	Pg	19:53:34.376	-0.3					T__				m_e	ML 2.3
KSP	0.69	174.7	Sg	19:53:43.552	-0.1					T__				m_e	
DPC	1.18	176.0	Pg	19:53:43.278	-0.7					T__				m_e	ML 3.3
BRG	1.56	245.9	Pn	19:53:49.965	0.2					T__				m_e	ML 2.9
BRG	1.56	245.9	Sg	19:54:10.369	-0.7					T__				m_e	
FBE	1.88	252.2	Pn	19:53:53.952	-0.2					T__				m_e	ML 2.9
FBE	1.88	252.2	Sg	19:54:22.940	1.6					T__				m_e	
MORC	1.95	153.5	Pn	19:53:54.847	-0.3					T__				m_e	ML 3.3
CLL	2.00	264.8	Pn	19:53:54.597	-1.2					T__				m_e	ML 3.1
OKC	2.10	143.1	Pn	19:53:56.896	-0.2					T__				m_e	ML 2.6
OKC	2.10	143.1	Sg	19:54:28.987	0.6					T__				m_e	
TANN	2.60	246.0	Pn	19:54:03.484	-0.4					T__				m_e	ML 3.7
TANN	2.60	246.0	Sg	19:54:44.352	0.1					T__				m_e	
OJC	2.63	118.5	Pn	19:54:04.661	0.4					T__				m_e	ML 3.1
MOX	3.01	254.7	Pn	19:54:09.661	0.3					T__				m_e	ML 3.4
MOX	3.01	254.7	Sg	19:54:57.713	0.5					T__				m_e	
ROTZ	3.08	236.6	Pn	19:54:10.381	-0.0					T__				m_e	ML 3.1
GEC2	3.12	211.7	Pn	19:54:11.590	0.6					T__				m_e	
WET	3.19	222.8	Pn	19:54:11.802	-0.1					T__				m_e	

Event 31014004 Domazlice/CR, German-Czech border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/14	20:36:44.55	0.23	0.63	49.4480	12.7510	5.6	2.2	044	10.0f		19	13	061	0.32	1.71	m i ke	BGR	31014004

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	11 BGR	31014004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	0.32	164.7	Pg	20:36:50.673	-0.1					T__				m_e	ML 2.3
WET	0.32	164.7	Sg	20:36:55.030	0.1					T__				m_e	
ROTZ	0.48	312.3	Pg	20:36:53.520	-0.1					T__				m_e	ML 2.2
ROTZ	0.48	312.3	Sg	20:37:00.050	0.1					T__				m_e	
KHC	0.63	120.1	Pg	20:36:56.065	-0.4					T__				m_e	ML 1.7
KHC	0.63	120.1	Sg	20:37:04.462	-0.2					T__				m_e	
MANZ	0.68	322.6	Pg	20:36:57.197	-0.3					T__				m_e	ML 2.2
MANZ	0.68	322.6	Sg	20:37:05.933	-0.4					T__				m_e	
NKC	0.81	346.1	Pg	20:37:00.345	0.5					T__				m_e	ML 2.4
GEC2	0.87	133.8	Pg	20:37:00.421	-0.5					T__				m_e	ML 2.2
GEC2	0.87	133.8	Sg	20:37:11.522	-0.7					T__				m_e	
GRA1	1.02	284.4	Pn	20:37:03.292	-1.0					T__				m_e	ML 2.6
GRA1	1.02	284.4	Sg	20:37:16.759	-0.4					T__				m_e	
PRU	1.28	64.3	Pn	20:37:07.809	0.1					T__				m_e	ML 1.8
MOX	1.40	329.1	Pn	20:37:08.885	-0.6					T__				m_e	ML 2.0
NORI	1.57	243.2	Pn	20:37:12.230	0.5					T__				m_e	
PVCC	1.59	46.6	Pn	20:37:13.422	1.4					T__				m_e	ML 2.8
FUR	1.61	217.7	Pn	20:37:13.472	1.2					T__				m_e	ML 2.6
RJOB	1.71	179.0	Pn	20:37:14.244	0.6					T__				m_e	

Event 31017002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/17	12:20:41.86	0.81	1.31	51.2727	16.1164	8.7	5.6	031	0.0	0.0	18	4	018			m i sr	ZAMG	31017012
2013/10/17	12:20:41.67	0.45	0.81	51.4070	16.2010	6.7	3.3	022	1.0f		20	12	208	0.57	3.10	m i ki	BGR	31017002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.1	6 ZAMG	31017012
ML	3.2	0.3	12 BGR	31017002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.57	174.1	Pg	12:20:52.043	-0.3					T__				m_e	ML 2.6
KSP	0.57	174.1	Sg	12:21:00.209	0.5					T__				m_e	
DPC	1.06	175.8	Pg	12:21:01.001	-0.6					T__				m_e	ML 3.4
DPC	1.06	175.8	Sg	12:21:15.889	0.6					T__				m_e	
BRG	1.51	250.2	Pn	12:21:07.717	-1.4					T__				m_e	ML 3.0
BRG	1.51	250.2	Pg	12:21:09.327	-0.9					T__				m_e	
BRG	1.51	250.2	Sg	12:21:29.786	0.0					T__				m_e	
MORC	1.84	151.9	Pn	12:21:12.944	-0.6					T__				m_e	ML 3.4
OKC	2.00	141.1	Pn	12:21:17.447	1.8					T__				m_e	ML 2.7
OKC	2.00	141.1	Sg	12:21:44.688	-0.4					T__				m_e	
CLL	2.00	268.4	Pn	12:21:17.386	1.7					T__				m_e	ML 3.0
TANN	2.56	248.6	Pn	12:21:23.167	-0.1					T__				m_e	ML 3.6
TANN	2.56	248.6	Pg	12:21:29.047	-0.8					T__				m_e	
OJC	2.56	116.2	Pn	12:21:22.702	-0.7					T__				m_e	ML 3.2
OJC	2.56	116.2	Pg	12:21:29.914	-0.1					T__				m_e	

MANZ	2.96	242.9	Pn	12:21:28.991	0.3	T__	m_e	ML	3.4
MOX	2.98	257.0	Pn	12:21:29.692	0.6	T__	m_e	ML	3.5
MOX	2.98	257.0	Sg	12:22:16.928	0.5	T__	m_e		
ROTZ	3.02	238.7	Pn	12:21:29.700	0.1	T__	m_e	ML	3.2
WET	3.10	224.5	Pn	12:21:30.781	0.1	T__	m_e	ML	3.3

Event 31020003 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/20	14:32:56.35	0.16	2.29	47.6808	16.1233	1.7	1.3	136	11.2	1.9	30	5	018			m i fe	ZAMG	31020013
2013/10/20	14:32:58.46	0.21	1.76	47.7710	16.1030	4.4	3.3	146	10.0f		74	35	111	0.32	5.59	m i ke	BGR	31020003
(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.4	6 ZAMG	31020013
ML	3.2	0.4	32 BGR	31020003

Effects Loctyp Location Intensity Scale Author
 Summar 5.0 EMS ZAMG

(Clangour of glasses, vibrations of doors, objects toppled down, fissures in plastering.)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SOP	0.32	105.8	Pg	14:33:02.545	-2.2					T__				m_e	
SOP	0.32	105.8	Sg	14:33:06.344	-2.6					T__				m_e	
ARSA	0.65	217.2	Pg	14:33:07.902	-3.0					T__				m_e	ML 2.5
MOA	1.24	274.3	Pn	14:33:20.460	-0.7					T__				m_e	ML 3.1
MOA	1.24	274.3	Sg	14:33:38.264	0.4					T__				m_e	
KRUC	1.31	8.4	Pn	14:33:21.789	-0.3					T__				m_e	ML 2.9
KRUC	1.31	8.4	Pg	14:33:22.727	-0.4					T__				m_e	
KRUC	1.31	8.4	Sg	14:33:40.289	0.3					T__				m_e	
JAVC	1.51	43.2	Pg	14:33:26.214	-0.7					T__				m_e	ML 2.4
JAVC	1.51	43.2	Sg	14:33:47.782	1.4					T__				m_e	
VRAC	1.57	11.7	Pn	14:33:25.794	0.1					T__				m_e	ML 2.8
VRAC	1.57	11.7	Sn	14:33:47.164	2.2					T__				m_e	
TREC	1.58	345.2	Pg	14:33:26.724	-1.5					T__				m_e	ML 2.7
TREC	1.58	345.2	Sn	14:33:44.592	-0.6					T__				m_e	
TREC	1.58	345.2	Sg	14:33:48.991	0.3					T__				m_e	
OBKA	1.65	220.5	Pn	14:33:26.127	-0.5					T__				m_e	ML 2.6
OBKA	1.65	220.5	Sg	14:33:50.060	-0.8					T__				m_e	
GEC2	1.92	304.8	Pn	14:33:31.527	1.1					T__				m_e	ML 2.9
GEC2	1.92	304.8	Sg	14:33:58.938	-0.7					T__				m_e	
KBA	1.99	250.7	Pn	14:33:32.169	0.8					T__				m_e	ML 2.9
KBA	1.99	250.7	Sg	14:33:57.915	-3.8					T__				m_e	
KHC	2.16	310.0	Pn	14:33:34.732	1.1					T__				m_e	ML 2.5
KHC	2.16	310.0	Sg	14:34:06.453	-0.6					T__				m_e	
MORC	2.22	24.8	Pn	14:33:35.328	0.9					T__				m_e	ML 3.2
RJOB	2.22	270.4	Pg	14:33:39.521	-0.9					T__				m_e	ML 3.2
RJOB	2.22	270.4	Sg	14:34:08.907	-0.3					T__				m_e	
PRU	2.44	335.7	Pn	14:33:39.593	2.1					T__				m_e	ML 2.8
PRU	2.44	335.7	Pg	14:33:43.798	-0.7					T__				m_e	
PRU	2.44	335.7	Sg	14:34:14.573	-1.6					T__				m_e	
WET	2.54	303.9	Pn	14:33:42.084	3.3					T__				m_e	ML 3.2

WET	2.54	303.9	Pg	14:33:45.673	-0.7	T__	m_e												
WET	2.54	303.9	Sg	14:34:18.705	-0.5	T__	m_e												
DPC	2.58	3.1	Pn	14:33:41.438	2.1	T__	m_e	ML	3.7										
DPC	2.58	3.1	Sg	14:34:18.406	-2.2	T__	m_e												
PVCC	2.93	340.6	Pg	14:33:53.042	-0.7	T__	m_e	ML	3.9										
PVCC	2.93	340.6	Sg	14:34:32.119	0.4	T__	m_e												
WTTA	3.06	262.1	Pn	14:33:48.063	2.2	T__	m_e	ML	3.2										
WTTA	3.06	262.1	Sg	14:34:34.854	-0.8	T__	m_e												
KSP	3.07	2.2	Pg	14:33:55.030	-1.4	T__	m_e	ML	3.3										
KSP	3.07	2.2	Sg	14:34:34.663	-1.5	T__	m_e												
ROTZ	3.25	309.3	Pg	14:33:57.769	-2.0	T__	m_e	ML	3.3										
ROTZ	3.25	309.3	Sg	14:34:42.497	0.7	T__	m_e												
FUR	3.26	278.7	Pg	14:34:00.072	0.2	T__	m_e	ML	3.6										
FUR	3.26	278.7	Sg	14:34:42.618	0.7	T__	m_e												
BRG	3.41	336.4	Sg	14:34:46.442	-0.3	T__	m_e	ML	3.3										
MANZ	3.44	311.6	Pg	14:34:00.854	-2.4	T__	m_e	ML	3.4										
MANZ	3.44	311.6	Sg	14:34:47.645	-0.0	T__	m_e												
WERN	3.51	317.2	Pn	14:33:55.085	3.2	T__	m_e	ML	3.4										
WERN	3.51	317.2	Pg	14:34:03.802	-0.8	T__	m_e												
WERN	3.51	317.2	Sg	14:34:50.257	0.4	T__	m_e												
TANN	3.56	319.3	Pn	14:33:55.523	2.9	T__	m_e	ML	3.9										
TANN	3.56	319.3	Pg	14:34:04.509	-1.1	T__	m_e												
TANN	3.56	319.3	Sg	14:34:51.284	-0.3	T__	m_e												
GUNZ	3.58	317.8	Pn	14:33:56.093	3.2	T__	m_e	ML	3.5										
GUNZ	3.58	317.8	Pg	14:34:04.290	-1.7	T__	m_e												
GUNZ	3.58	317.8	Sg	14:34:52.421	0.2	T__	m_e												
PLN	3.75	317.9	Pn	14:33:58.814	3.7	T__	m_e	ML	3.5										
PLN	3.75	317.9	Pg	14:34:07.137	-1.9	T__	m_e												
PLN	3.75	317.9	Sg	14:34:56.873	-0.6	T__	m_e												
GRA1	3.75	302.6	Sg	14:34:56.514	-1.0	T__	m_e	ML	3.7										
UBR	4.03	270.9	Pn	14:34:00.924	1.9	T__	m_e	ML	3.8										
UBR	4.03	270.9	Sg	14:35:06.215	-0.4	T__	m_e												
CLL	4.07	331.5	Sg	14:35:07.023	-0.7	T__	m_e	ML	3.7										
MOX	4.10	316.1	Pg	14:34:13.757	-2.1	T__	m_e	ML	3.5										
MOX	4.10	316.1	Sg	14:35:08.007	-0.9	T__	m_e												
DAVA	4.23	265.7	Pg	14:34:16.925	-1.2	T__	m_e	ML	3.6										
DAVA	4.23	265.7	Sn	14:34:52.228	4.8	T__	m_e												
DAVA	4.23	265.7	Sg	14:35:11.969	-0.9	T__	m_e												
UBBA	5.01	309.7	Sg	14:35:36.911	-0.7	T__	m_e												
BFO	5.22	279.0	Pn	14:34:16.526	1.3	T__	m_e												
BFO	5.22	279.0	Sn	14:35:13.104	2.2	T__	m_e												
BFO	5.22	279.0	Sg	14:35:44.429	-0.0	T__	m_e												
TNS	5.59	298.9	Pn	14:34:22.708	2.6	T__	m_e	ML	3.9										
TNS	5.59	298.9	Sg	14:35:59.360	3.4	T__	m_e												

Event 31021006 Mallnitz/A, NE of Lienz

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2013/10/21	22:02:15.10	0.15	0.78	46.9823	13.3231	3.1	2.2	174	5.0f		58	11	127				m i ke	LDG	31021026
2013/10/21	22:02:13.78	0.09	0.44	46.9924	13.2660	0.9	0.7	023	7.9	1.2	75	15	008				m i fe	ZAMG	31021016
2013/10/21	22:02:16.00	0.25	1.74	46.9810	13.3290	6.7	4.4	011	10.0f		49	25	160	0.10	4.57		m i ke	BGR	31021006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.4	14 LDG	31021026
ML	3.1	0.3	19 ZAMG	31021016
ML	2.8	0.3	19 BGR	31021006

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		4.0	EMS	ZAMG

(Felt in Obervellach and Mallnitz)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.10	6.3	Pg	22:02:16.863	-1.6					T__				m_e	
KBA	0.10	6.3	Sg	22:02:18.472	-1.8					T__				m_e	
RJOB	0.84	334.7	Pg	22:02:30.700	-1.2					T__				m_e	ML 2.3
RJOB	0.84	334.7	Sg	22:02:42.054	-0.7					T__				m_e	
OBKA	0.96	119.0	Pg	22:02:33.077	-1.1					T__				m_e	ML 2.5
OBKA	0.96	119.0	Sg	22:02:47.302	0.7					T__				m_e	
MOA	1.08	35.8	Pg	22:02:35.263	-1.1					T__				m_e	ML 2.9
WTTA	1.19	284.4	Pn	22:02:36.065	-1.9					T__				m_e	ML 2.8
WTTA	1.19	284.4	Sg	22:02:52.704	-1.1					T__				m_e	
KW1	1.24	336.9	Pg	22:02:40.131	0.6					T__				m_e	ML 2.9
KW1	1.24	336.9	Sg	22:02:57.099	1.5					T__				m_e	
ARSA	1.52	79.0	Pn	22:02:42.942	0.5					T__				m_e	ML 2.2
ARSA	1.52	79.0	Sg	22:03:03.236	-1.1					T__				m_e	
PART	1.59	289.7	Pn	22:02:43.628	0.2					T__				m_e	ML 2.7
PART	1.59	289.7	Sg	22:03:07.336	0.8					T__				m_e	
ZUGS	1.65	286.1	Pn	22:02:45.709	1.4					T__				m_e	
ZUGS	1.65	286.1	Sg	22:03:08.960	0.3					T__				m_e	
BE1	1.70	303.9	Pg	22:02:47.544	-0.6					T__				m_e	ML 3.0
BE1	1.70	303.9	Sg	22:03:10.136	-0.0					T__				m_e	
FUR	1.82	311.2	Pg	22:02:49.154	-1.2					T__				m_e	ML 3.2
FUR	1.82	311.2	Sg	22:03:12.571	-1.4					T__				m_e	
GEC2	1.88	7.5	Pg	22:02:48.879	-2.6					T__				m_e	ML 2.6
GEC2	1.88	7.5	Sg	22:03:13.311	-2.5					T__				m_e	
OBER	2.11	282.8	Pg	22:02:54.004	-1.7					T__				m_e	ML 3.0
OBER	2.11	282.8	Sg	22:03:23.055	0.1					T__				m_e	
WET	2.18	352.2	Pn	22:02:52.577	1.1					T__				m_e	ML 2.5
WET	2.18	352.2	Sn	22:03:19.696	2.7					T__				m_e	
GRC3	2.24	329.2	Pn	22:02:53.027	0.8					T__				m_e	ML 2.8
UBR	2.29	289.0	Pg	22:02:57.451	-1.8					T__				m_e	ML 3.2
UBR	2.29	289.0	Sg	22:03:27.953	-0.9					T__				m_e	
GRC2	2.30	326.0	Sg	22:03:27.921	-1.1					T__				m_e	ML 3.0
GRC1	2.35	329.7	Sn	22:03:22.619	1.8					T__				m_e	ML 2.7
DAVA	2.37	278.7	Pg	22:02:58.425	-2.2					T__				m_e	ML 3.3
DAVA	2.37	278.7	Sg	22:03:31.767	0.6					T__				m_e	
GRB5	2.40	333.2	Pn	22:02:55.007	0.6					T__				m_e	
GRB5	2.40	333.2	Sn	22:03:23.768	1.7					T__				m_e	
GRB5	2.40	333.2	Sg	22:03:30.886	-1.4					T__				m_e	
NORI	2.51	314.8	Pn	22:02:57.327	1.4					T__				m_e	ML 3.2
NORI	2.51	314.8	Sg	22:03:33.240	-2.6					T__				m_e	
TANN	3.48	350.9	Pn	22:03:10.979	1.9					T__				m_e	
BFO	3.63	293.7	Pn	22:03:12.860	1.8					T__				m_e	ML 3.3
BFO	3.63	293.7	Pg	22:03:22.974	-1.4					T__				m_e	
BFO	3.63	293.7	Sn	22:03:53.707	2.8					T__				m_e	

BFO	3.63	293.7	Sg	22:04:10.351	-0.9	T__	m_e
MOX	3.83	343.5	Pn	22:03:15.228	1.4	T__	m_e
MOX	3.83	343.5	Sn	22:03:57.969	2.3	T__	m_e
MOX	3.83	343.5	Sg	22:04:17.702	-0.1	T__	m_e
TNS	4.57	316.9	Pn	22:03:26.748	2.9	T__	m_e
TNS	4.57	316.9	Sn	22:04:17.029	3.9	T__	m_e

Event 31022004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/22	16:39:00.80	0.25	1.17	50.3660	18.8660	4.4	3.3	165	1.0f		37	21	112	0.61	4.95	m i ki	BGR	31022004

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.4	21 BGR	31022004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.61	103.5	Pg	16:39:11.719	-0.6					T__				m_e ML	3.0
OJC	0.61	103.5	Sg	16:39:20.626	0.3					T__				m_e	
OKC	0.70	221.4	Pg	16:39:14.521	0.5					T__				m_e ML	2.3
OKC	0.70	221.4	Sg	16:39:24.027	0.9					T__				m_e	
MORC	1.03	235.8	Pg	16:39:20.309	0.0					T__				m_e ML	3.6
MORC	1.03	235.8	Sg	16:39:34.414	0.8					T__				m_e	
DPC	1.62	270.4	Pn	16:39:29.999	0.2					T__				m_e ML	3.5
DPC	1.62	270.4	Sg	16:39:52.461	0.1					T__				m_e	
JAVC	1.69	207.7	Pn	16:39:31.662	0.9					T__				m_e ML	2.5
JAVC	1.69	207.7	Sg	16:39:55.837	1.2					T__				m_e	
KSP	1.70	287.3	Pn	16:39:31.523	0.7					T__				m_e ML	3.1
KSP	1.70	287.3	Sg	16:39:56.073	1.2					T__				m_e	
VRAC	1.81	235.1	Pn	16:39:32.713	0.5					T__				m_e ML	2.8
VRAC	1.81	235.1	Sg	16:39:58.072	-0.1					T__				m_e	
BEL	1.90	38.7	Pg	16:39:36.697	0.1					T__				m_e ML	3.2
BEL	1.90	38.7	Sg	16:39:59.702	-1.5					T__				m_e	
KRUC	2.06	231.7	Pn	16:39:36.196	0.5					T__				m_e ML	2.7
KRUC	2.06	231.7	Pg	16:39:39.191	-0.5					T__				m_e	
KRUC	2.06	231.7	Sn	16:40:00.451	-0.2					T__				m_e	
KRUC	2.06	231.7	Sg	16:40:04.971	-1.3					T__				m_e	
TREC	2.43	245.1	Sg	16:40:16.203	-1.7					T__				m_e ML	2.7
PVCC	2.74	275.0	Pg	16:39:53.517	1.1					T__				m_e ML	3.6
PVCC	2.74	275.0	Sg	16:40:30.239	2.4					T__				m_e	
PRU	2.79	263.9	Pg	16:39:54.107	0.6					T__				m_e ML	2.9
PRU	2.79	263.9	Sg	16:40:28.380	-1.2					T__				m_e	
BRG	3.16	281.1	Pg	16:39:59.253	-1.2					T__				m_e ML	3.1
BRG	3.16	281.1	Sg	16:40:41.597	0.3					T__				m_e	
KHC	3.63	252.2	Pn	16:39:58.294	1.3					T__				m_e ML	3.0
KHC	3.63	252.2	Sg	16:40:53.678	-2.5					T__				m_e	
GEC2	3.68	247.5	Sg	16:40:57.643	0.1					T__				m_e ML	3.6
CLL	3.82	286.5	Sg	16:41:03.412	1.3					T__				m_e ML	3.6
WET	4.06	254.8	Sg	16:41:06.966	-2.7					T__				m_e ML	3.6
TANN	4.08	273.2	Pg	16:40:17.197	-0.5					T__				m_e ML	3.9
TANN	4.08	273.2	Sg	16:41:10.175	-0.3					T__				m_e	
MOX	4.62	276.3	Sg	16:41:30.366	2.9					T__				m_e ML	3.5
RJOB	4.77	238.9	Sg	16:41:33.093	0.9					T__				m_e ML	3.8

GRA1 4.95 265.1 Sg 16:41:38.879 0.7 T__ m_e ML 3.7

Event 31029001 Poland

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID
2013/10/29 01:18:42.02 0.57 0.55 51.5660 16.1040 6.7 3.3 014 1.0f 15 11 215 0.73 3.62 m i ki BGR 31029001

Magnitude Err Nsta Author OrigID
ML 3.0 0.3 7 BGR 31029001

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include stations like KSP, DPC, BRG, CLL, MORC, TANN, OJC, MOX, GEC2, WET, GRA1.

Event 31029014 Imst/A, Western Mieminger Mountains

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID
2013/10/29 22:59:27.70 0.09 0.95 47.3020 10.8389 1.8 1.4 051 15.0f 82 18 078 m i ke LDG 31029034
2013/10/29 22:59:27.52 0.18 1.59 47.2861 10.7896 1.0 0.9 116 8.5 3.8 46 9 045 m i fe ZAMG 31029024
2013/10/29 22:59:28.48 0.27 47.2950 10.7930 4.4 2.2 171 10.0f 28 17 159 0.57 3.31 m i ke BGR 31029014
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 2.6 0.4 15 LDG 31029034
ML 2.8 0.2 13 ZAMG 31029024
ML 2.6 0.2 16 BGR 31029014

Effects Loctyp Location Intensity Scale Author
Summar 4.0 EMS ZAMG
(Some people awoke)

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include stations like WTTA, UBR, DAVA.

DAVA	0.62	269.6	Sg	22:59:48.757	0.4	T__	m_e		
FUR	0.93	20.3	Pg	22:59:46.373	0.3	T__	m_e ML	2.8	
FUR	0.93	20.3	Sg	22:59:59.652	1.6	T__	m_e		
PLONS	0.99	256.1	Pg	22:59:46.846	-0.4	T__	m_e ML	2.2	
PLONS	0.99	256.1	Sg	23:00:00.861	0.8	T__	m_e		
WILA	1.28	276.0	Pg	22:59:52.664	-0.1	T__	m_e ML	2.9	
WILA	1.28	276.0	Sg	23:00:10.240	0.9	T__	m_e		
SLE	1.62	287.7	Pg	22:59:58.558	-0.6	T__	m_e ML	2.8	
SLE	1.62	287.7	Sg	23:00:20.275	0.2	T__	m_e		
KBA	1.75	96.2	Pn	23:00:00.538	2.5	T__	m_e ML	2.5	
KBA	1.75	96.2	Pg	23:00:01.688	0.2	T__	m_e		
STU	1.82	324.7	Sg	23:00:25.777	-0.7	T__	m_e ML	2.9	
SULZ	1.83	278.3	Sg	23:00:26.989	0.3	T__	m_e ML	2.5	
BFO	1.95	302.9	Pn	23:00:01.165	0.3	T__	m_e ML	2.6	
BFO	1.95	302.9	Pg	23:00:04.796	-0.5	T__	m_e		
BFO	1.95	302.9	Sg	23:00:30.771	0.2	T__	m_e		
BALST	2.10	272.3	Pg	23:00:07.371	-0.7	T__	m_e ML	2.5	
BALST	2.10	272.3	Sg	23:00:34.575	-0.7	T__	m_e		
WET	2.31	36.1	Pn	23:00:05.987	0.3	T__	m_e ML	2.5	
MOA	2.41	75.4	Pg	23:00:12.726	-1.2	T__	m_e ML	2.6	
GRA1	2.41	6.6	Pg	23:00:13.901	-0.1	T__	m_e ML	2.8	
GRA1	2.41	6.6	Sg	23:00:44.830	-0.4	T__	m_e		
TNS	3.31	333.0	Pn	23:00:20.457	1.2	T__	m_e ML	3.0	

Event 31031019 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2013/10/31	18:46:21.21	0.12	1.23	46.1692	12.4949	1.1	0.7	012	10.8	1.9	53	10	060			m i uk	ZAMG	31031029
2013/10/31	18:46:24.41	0.50	1.15	46.2320	12.5780	7.8	6.7	158	10.0f		37	20	292	1.51	5.68	m i ke	BGR	31031019

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.3	14 ZAMG	31031029
ML	3.4	0.3	7 BGR	31031019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	1.51	5.6	Pn	18:46:52.233	1.4					T__				m_e ML	3.0
RJOB	1.51	5.6	Pg	18:46:52.825	-0.1					T__				m_e	
RJOB	1.51	5.6	Sg	18:47:13.848	1.3					T__				m_e	
FUR	2.12	335.8	Pg	18:47:03.818	-0.7					T__				m_e ML	3.7
FUR	2.12	335.8	Sg	18:47:32.358	0.4					T__				m_e	
UBR	2.22	311.6	Pn	18:47:01.756	1.3					T__				m_e ML	3.5
UBR	2.22	311.6	Sg	18:47:34.365	-0.7					T__				m_e	
GEC2	2.72	15.8	Pn	18:47:08.045	0.9					T__				m_e ML	2.9
GEC2	2.72	15.8	Sg	18:47:50.133	-0.8					T__				m_e	
WET	2.92	3.9	Pn	18:47:10.448	0.6					T__				m_e	
ROTZ	3.54	356.1	Pn	18:47:18.181	-0.2					T__				m_e ML	3.3
ROTZ	3.54	356.1	Sn	18:47:58.867	1.6					T__				m_e	
BFO	3.56	307.6	Pn	18:47:18.845	0.2					T__				m_e ML	3.5
BFO	3.56	307.6	Pg	18:47:31.488	-0.1					T__				m_e	
BFO	3.56	307.6	Sn	18:48:00.497	2.7					T__				m_e	
BFO	3.56	307.6	Sg	18:48:15.570	-2.1					T__				m_e	

GRA1	3.58	345.8	Pn	18:47:18.602	-0.2	T__	m_e	ML	3.7
GRA1	3.58	345.8	Pg	18:47:31.233	-0.6	T__	m_e		
GRA1	3.58	345.8	Sn	18:48:00.840	2.7	T__	m_e		
GRA1	3.58	345.8	Sg	18:48:20.016	1.9	T__	m_e		
MANZ	3.77	355.4	Pn	18:47:21.665	0.3	T__	m_e		
MANZ	3.77	355.4	Sn	18:48:05.218	2.6	T__	m_e		
WERN	4.06	358.2	Pn	18:47:26.311	1.0	T__	m_e		
WERN	4.06	358.2	Sn	18:48:12.840	3.4	T__	m_e		
GUNZ	4.13	357.8	Pn	18:47:26.991	0.6	T__	m_e		
TANN	4.18	359.0	Pn	18:47:28.076	1.1	T__	m_e		
TANN	4.18	359.0	Sn	18:48:15.920	3.6	T__	m_e		
PLN	4.26	356.4	Sn	18:48:17.544	3.3	T__	m_e		
MOX	4.46	352.1	Pn	18:47:30.963	0.2	T__	m_e		
MOX	4.46	352.1	Sn	18:48:21.600	2.8	T__	m_e		
TNS	4.85	326.9	Pn	18:47:37.044	1.0	T__	m_e		
TNS	4.85	326.9	Sn	18:48:32.703	4.8	T__	m_e		
UBBA	4.89	340.5	Pn	18:47:38.058	1.4	T__	m_e		
NEUB	5.00	354.2	Pn	18:47:38.737	0.6	T__	m_e		
CLL	5.08	3.0	Pn	18:47:39.542	0.3	T__	m_e		
WLF	5.50	310.9	Pn	18:47:47.608	2.7	T__	m_e		
KAST	5.68	332.6	Pn	18:47:48.830	1.6	T__	m_e		

DATA_TYPE ARRIVAL: REVIEWED IMS1.0

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