

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 81001005 Quakenbrueck, W of Vechta

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/01	00:26:31.46		0.55	52.7870	7.8630				5.2	2.3	30	18	128	0.15	2.59	m i ki	BUG	81001015
2018/10/01	00:26:29.98	0.26	0.57	52.7770	7.9350	2.2	2.2	043	5.0f		21	11	102	0.05	1.76	m i ki	BGR	81001005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.2	0.6	12 BUG	81001015
ML	2.7	0.2	10 BUG	81001015
ML	2.1	0.1	6 BGR	81001005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AMP1S	0.05	294.7	Pg	00:26:31.589	0.4					T__				m_e	
AMP1S	0.05	294.7	Sg	00:26:33.595	1.5					T__				m_e	
ESSNB	0.06	123.4	Pg	00:26:31.515	0.2					T__				m_e	
ESSNB	0.06	123.4	Sg	00:26:32.610	0.3					T__				m_e	
SEVE	0.09	74.7	Pg	00:26:32.023	0.2					T__				m_e	
SEVE	0.09	74.7	Sg	00:26:34.730	1.7					T__				m_e	
MOLBB	0.12	11.6	Pg	00:26:32.845	0.5					T__				m_e	
MOLBB	0.12	11.6	Sg	00:26:35.939	2.0					T__				m_e	
FAHL	0.19	45.1	Pg	00:26:34.711	1.1					T__				m_e ML	2.0
FAHL	0.19	45.1	Sg	00:26:38.446	2.4					T__				m_e	
RAST	0.19	315.2	Pg	00:26:35.913	2.3					T__				m_e ML	2.0
RAST	0.19	315.2	Sg	00:26:38.342	2.2					T__				m_e	
K181S	0.33	19.9	Pg	00:26:37.610	1.4					T__				m_e	
BROKB	0.44	135.6	Pg	00:26:39.909	1.6					T__				m_e	
IBBN	0.48	192.9	Pg	00:26:39.823	0.7					T__				m_e ML	2.0
IBBN	0.48	192.9	Sg	00:26:47.697	2.3					T__				m_e	
IBBE	0.48	190.2	Pg	00:26:39.910	0.7					---				m__ ML	2.3
IBBE	0.48	190.2	Sg	00:26:47.900	2.4					---		0.4		m__	
IBBS	0.51	193.0	Pg	00:26:40.650	1.1					---				m__ ML	2.3
IBBS	0.51	193.0	Sg	00:26:49.200	3.1					---		0.4		m__	
RETHO	0.86	92.7	Pg	00:26:48.650	2.4					---				m__ ML	2.2
RETHO	0.86	92.7	Sg	00:27:01.101	3.6					T__				m_e	
RETH	0.86	92.7	Pg	00:26:48.028	1.7					T__				m_e	
RETH	0.86	92.7	Sg	00:27:00.029	2.5					T__				m_e	
HMES	1.13	186.6	Pg	00:26:52.810	1.6					---				m__ ML	2.0
HMES	1.13	186.6	Sg	00:27:08.500	2.7					---		0.1		m__	
BAVN	1.15	205.9	Pg	00:26:52.850	1.1					---				m__ ML	2.4
BAVN	1.15	205.9	Sg	00:27:09.570	3.0					---		0.2		m__	
ZERL	1.33	209.9	Sg	00:27:14.580	2.4					---				m__	
ZER3	1.34	210.4	Pg	00:26:56.060	0.7					---				m__ ML	2.4
ZER3	1.34	210.4	Sg	00:27:15.330	2.6					---		0.1		m__	
NRDL	1.35	101.2	Pg	00:26:56.880	1.5					---				m__ ML	2.2
NRDL	1.35	101.2	Sg	00:27:16.600	3.8					---		0.1		m__	
ZER1	1.36	210.4	Sg	00:27:15.280	1.9					---				m__	
BULI	1.39	197.7	Pg	00:26:55.530	-0.6					---				m__ ML	2.3
BULI	1.39	197.7	Sg	00:27:16.400	2.4					---		0.1		m__	
BUG	1.40	197.3	Pg	00:26:57.020	0.7					---				m__ ML	2.4
BUG	1.40	197.3	Sg	00:27:16.300	1.9					---		0.1		m__	
BKLB	1.40	197.3	Pg	00:26:57.010	0.7					---				m__	

BPFI	1.43	198.0	Pn	00:26:55.840	0.0	---	m__
BPFI	1.43	198.0	Sn	00:27:14.900	0.8	---	m__
KAST	1.60	169.1	Pn	00:27:00.100	1.9	---	m__ ML 2.3
GTTG	1.75	133.9	Sg	00:27:27.625	2.0	T__	m_e ML 2.2
CLZ	1.76	121.1	Pn	00:27:01.332	1.0	T__	m_e ML 2.0
TNS	2.57	172.7	Pn	00:27:12.560	1.2	---	m__

Event 81001001 Quakenbrueck, W of Vechta

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/01	00:28:06.00	0.23	0.99	52.7531	8.0686	4.4	3.8	138	12.0f		130	32	263			m i ke	LDG	81001031
2018/10/01	00:28:08.90	0.80	0.31	52.7370	8.0370				0.0	99.6		10	328	1.54	2.59	m i ki	BNS	81001021
2018/10/01	00:28:09.13		0.59	52.7840	7.9260				7.0	2.3	42	24	101	0.18	2.58	m i ki	BUG	81001011
2018/10/01	00:28:09.38	0.21	1.09	52.7880	7.9060	4.4	3.3	129	5.0f		31	20	090	0.10	1.84	m i ki	BGR	81001001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.3	35 LDG	81001031
ML	3.5		BNS	81001021
MD	3.8	0.2	19 BUG	81001011
ML	4.2	0.2	15 BUG	81001011
ML	3.6	0.2	12 BGR	81001001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SEVE	0.10	83.4	Pg	00:28:10.393	-1.1					T__				m_e	
SEVE	0.10	83.4	Sg	00:28:12.922	0.1					T__				m_e	
RAST	0.17	316.8	Pg	00:28:12.878	0.2					T__				m_e ML	3.4
RAST	0.17	316.8	Sg	00:28:18.207	3.3					T__				m_e	
FAHL	0.19	51.1	Pg	00:28:12.696	-0.4					T__				m_e	
FAHL	0.19	51.1	Sg	00:28:16.755	1.1					T__				m_e	
IBBN	0.49	190.6	Pg	00:28:17.995	-0.7					T__				m_e ML	3.4
IBBN	0.49	190.6	Sg	00:28:26.192	1.2					T__				m_e	
IBBE	0.49	188.0	Pg	00:28:18.130	-0.6					---				m__ ML	3.8
IBBE	0.49	188.0	Sg	00:28:26.230	1.1					---		13.9		m__	
IBBS	0.51	190.8	Pg	00:28:18.710	-0.4					---				m__ ML	3.7
IBBS	0.51	190.8	Sg	00:28:26.430	0.7					---		9.8		m__	
SYKE	0.59	80.8	Pg	00:28:20.695	0.1					T__				m_e ML	3.7
SYKE	0.59	80.8	Sg	00:28:31.343	3.1					T__				m_e	
IGAD	0.67	44.8	Pg	00:28:23.065	1.1					T__				m_e ML	3.6
IGAD	0.67	44.8	Sg	00:28:34.340	3.8					---		6.3		m__	
DEEL	0.87	78.2	Pg	00:28:26.076	0.3					T__				m_e ML	3.7
RETHO	0.88	93.3	Pg	00:28:26.137	0.1					T__				m_e ML	3.7
RETHO	0.88	93.3	Sg	00:28:38.760	1.3					---		10.0		m__	
RETH	0.88	93.3	Pg	00:28:25.937	-0.1					T__				m_e	
RETH	0.88	93.3	Sg	00:28:38.822	1.4					T__				m_e	
GOLD	0.93	81.1	Pg	00:28:26.851	-0.0					T__				m_e ML	3.7
GOLD	0.93	81.1	Sg	00:28:39.650	0.8					---		9.7		m__	
WTSB	1.06	219.9	Pg	00:28:28.960	-0.5					T__				m_e ML	3.6
WTSB	1.06	219.9	Sg	00:28:44.948	1.7					T__				m_e	
HMES	1.14	185.6	Pg	00:28:30.300	-0.5					T__				m_e ML	3.5
HMES	1.14	185.6	Sg	00:28:46.779	1.3					T__				m_e	
BAVN	1.15	204.9	Pg	00:28:30.790	-0.4					---				m__ ML	3.7

BAVN	1.15	204.9	Sg	00:28:47.420	1.3	___	4.0	m_	
BAVS	1.19	203.8	Pg	00:28:31.780	0.0	___		m_	
BAVS	1.19	203.8	Sg	00:28:48.440	1.3	___	7.6	m_	
ZERL	1.33	209.0	Pg	00:28:32.940	-1.5	___		m_ ML	4.0
ZERL	1.33	209.0	Sg	00:28:52.620	1.0	___	5.6	m_	
ZER3	1.35	209.5	Pg	00:28:34.260	-0.5	___		m_ ML	3.7
ZER3	1.35	209.5	Sg	00:28:53.200	1.1	___	2.5	m_	
ZER1	1.36	209.5	Pg	00:28:34.280	-0.8	___		m_ ML	3.9
ZER1	1.36	209.5	Sg	00:28:53.700	0.9	___	4.3	m_	
NRDL	1.37	101.5	Pg	00:28:33.370	-1.8	___		m_	
BULI	1.39	196.8	Pg	00:28:33.530	-2.1	___		m_ ML	3.7
BULI	1.39	196.8	Sg	00:28:53.750	0.2	___	2.5	m_	
BTEZ	1.39	196.3	Pg	00:28:35.240	-0.4	___		m_ ML	3.6
HLG	1.40	359.5	Pn	00:28:33.871	-0.9	T_		m_e ML	3.8
HLG	1.40	359.5	Pg	00:28:35.109	-0.6	T_		m_e	
BUG	1.40	196.4	Pn	00:28:33.637	-1.2	T_		m_e ML	3.6
BUG	1.40	196.4	Pg	00:28:35.327	-0.5	T_		m_e	
BUG	1.40	196.4	Sg	00:28:54.029	0.1	T_		m_e	
BKLB	1.40	196.4	Pn	00:28:33.650	-1.2	___		m_	
KUDEN	1.41	32.6	Sn	00:28:53.189	0.1	T_		m_e	
BPFI	1.43	197.2	Pn	00:28:34.020	-1.2	___		m_ ML	3.8
BPFI	1.43	197.2	Sn	00:28:53.520	-0.1	___	3.0	m_	
BRH3	1.51	213.2	Pn	00:28:37.690	1.3	___		m_	
BRH3	1.51	213.2	Sn	00:28:58.890	3.3	___		m_	
HKAP	1.52	86.3	Pn	00:28:35.688	-0.8	T_		m_e ML	3.6
LAUG	1.55	202.7	Pn	00:28:35.500	-1.4	___		m_e	
LAUG	1.55	202.7	Sn	00:28:56.700	0.2	___	362.2	0.38 m_e	
KAST	1.62	168.6	Pn	00:28:36.580	-1.2	___		m_ ML	3.7
KAST	1.62	168.6	Sg	00:28:59.400	-1.3	___	1.9	m_	
OPLO	1.72	227.4	Pn	00:28:38.911	-0.2	T_		m_e	
GTTG	1.77	133.7	Pn	00:28:38.957	-0.9	T_		m_e ML	3.7
CLZ	1.78	121.1	Pn	00:28:38.965	-1.0	T_		m_e ML	3.4
CLZ	1.78	121.1	Sn	00:29:00.960	-0.8	___	1.6	m_	
HOBG	1.84	191.3	Pn	00:28:39.900	-0.9	___		m_e	
HOBG	1.84	191.3	Sn	00:29:03.400	0.2	___	957.2	0.56 m_e	
BSEG	1.84	50.5	Pn	00:28:39.202	-1.6	T_		m_e ML	3.1
CLNZ	1.85	84.0	Pn	00:28:39.260	-1.6	___		m_	
BNS	1.88	194.2	Pn	00:28:40.300	-1.0	___		m_e	
BNS	1.88	194.2	Sn	00:29:04.500	0.4	___	701.0	0.39 m_e	
RODG	1.96	213.6	Pn	00:28:41.700	-0.7	___		m_e	
RODG	1.96	213.6	Sn	00:29:07.900	1.9	___		m_e	
STB	2.29	197.2	Pn	00:28:46.000	-0.9	___		m_e	
STB	2.29	197.2	Sn	00:29:14.600	0.8	___	206.0	0.22 m_e	
KLL	2.36	205.4	Pn	00:28:47.700	-0.1	___		m_e	
KLL	2.36	205.4	Sn	00:29:15.900	0.5	___	112.8	0.87 m_e	
DREG	2.36	206.7	Pn	00:28:47.900	-0.0	___		m_e	
DREG	2.36	206.7	Sn	00:29:16.600	1.1	___	171.2	0.32 m_e	
KOE	2.37	182.7	Pn	00:28:47.300	-0.6	___		m_e	
KOE	2.37	182.7	Sn	00:29:17.700	2.2	___	257.5	0.88 m_e	
TNS	2.59	172.3	Pn	00:28:50.310	-0.6	___		m_ ML	4.1
BGG	2.61	188.0	Pn	00:28:50.600	-0.6	___		m_e	
BGG	2.61	188.0	Sn	00:29:21.700	0.5	___	136.4	0.52 m_e	
HILG	2.61	197.5	Pn	00:28:50.300	-0.9	___		m_e	

Event 81002003 Loccum, Nienburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/02	08:44:21.76	0.27	0.70	52.5340	9.2740	3.3	3.3	012	5.0f		15	8	117	0.21	1.22	m i k i	BGR	81002003

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	5 BGR	81002003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RETH	0.21	14.5	Pg	08:44:25.266	-0.6					T__				m_e	
RETH	0.21	14.5	Sg	08:44:29.327	0.7					T__				m_e	
RETHO	0.21	14.5	Pg	08:44:25.484	-0.3					T__				m_e ML	1.5
RETHO	0.21	14.5	Sg	08:44:29.769	1.2					T__				m_e	
NRDL	0.51	94.1	Pg	08:44:31.853	0.4					T__				m_e	
NRDL	0.51	94.1	Sg	08:44:39.218	1.2					T__				m_e	
IBBE	0.94	256.1	Pg	08:44:38.714	-0.7					T__				m_e	
IBBE	0.94	256.1	Sg	08:44:52.297	0.8					T__				m_e	
IBBN	0.96	256.9	Sg	08:44:52.147	-0.0					T__				m_e ML	2.2
CLZ	0.97	135.3	Pg	08:44:40.083	0.0					T__				m_e ML	1.9
CLZ	0.97	135.3	Sg	08:44:53.648	1.1					T__				m_e	
GTTG	1.08	156.4	Pg	08:44:41.389	-0.7					T__				m_e ML	2.3
GTTG	1.08	156.4	Sg	08:44:56.229	0.2					T__				m_e	
FLT1	1.22	98.8	Pg	08:44:44.000	-0.7					T__				m_e ML	1.9
FLT1	1.22	98.8	Sg	08:44:59.062	-1.4					T__				m_e	

Event 81006003 NW of Strasbourg/F, Upper Rhine Graben

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/06	18:31:27.90	0.05	0.50	48.7319	7.5277	1.0	0.9	137	5.0f		68	16	044			m i ke	LDG	81006033
2018/10/06	18:31:31.96	0.94	1.97	48.1720	7.6670				0.0		12	7	283	0.47	2.11	m i ke	BUG	81006023
2018/10/06	18:31:27.77	0.37	0.24	48.7240	7.5450	4.4	2.2	067	10.0f		13	10	161	0.65	1.59	m i ke	BGR	81006013
2018/10/06	18:31:28.07	0.16	0.22	48.7010	7.5620	2.1	1.1	129	9.0	2.0	54	31	107	0.32	1.72	m i ke	LED	81006003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.4		1 LDG	81006033
ML	2.4	0.3	16 LDG	81006033
MD	2.4	0.2	6 BUG	81006023
ML	2.4	0.3	6 BUG	81006023
ML	1.7	0.2	5 BGR	81006013
ML	1.8	0.2	33 LED	81006003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLS	0.32	205.6	Pg	18:31:34.370	0.1					T__				md_ ML	1.8
WLS	0.32	205.6	Sg	18:31:39.110	0.6					T__				m__	
OFFE	0.36	129.4	Sg	18:31:40.720	1.0					T__				m__	
BABA	0.42	87.3	Pg	18:31:36.000	-0.1					T__				mc_ ML	1.6
BABA	0.42	87.3	PmP	18:31:37.960	-1.8					___				m__	
BABA	0.42	87.3	Sg	18:31:41.910	0.4					T__				m__	
OPP	0.46	116.0	Pg	18:31:36.980	0.1					___				m__ ML	1.8
OPP	0.46	116.0	Sg	18:31:43.370	0.4					T__				m__	

ECH	0.55	209.0	Pg	18:31:38.600	-0.0	T__	md__	
ECH	0.55	209.0	PmP	18:31:40.280	-1.3	T__	m__	
ECH	0.55	209.0	Sg	18:31:46.350	0.5	T__	m__	
ECH	0.55	209.0	SmS	18:31:49.100	-1.8	T__	m__	
TMO54	0.58	40.1	SmS	18:31:50.930	-0.5	___	m__	
ROTT	0.58	41.8	Pg	18:31:39.130	0.1	T__	mc__	
ROTT	0.58	41.8	Sg	18:31:47.380	0.8	T__	m__	
ROTT	0.58	41.8	SmS	18:31:50.280	-1.2	T__	m__	
LDE	0.61	38.4	Pg	18:31:39.910	0.3	T__	m__	
VOGT	0.62	173.4	Pg	18:31:40.440	0.5	T__	m__ ML	1.9
VOGT	0.62	173.4	PmP	18:31:41.190	-1.5	___	m__	
VOGT	0.62	173.4	Sg	18:31:49.020	1.0	T__	m__	
BFO	0.63	125.8	Pg	18:31:40.260	0.2	T__	m__ ML	1.7
BFO	0.63	125.8	PmP	18:31:41.130	-1.6	T__	m__	
BFO	0.63	125.8	Sg	18:31:48.660	0.4	T__	m__	
TMO55	0.64	34.1	Pg	18:31:40.370	0.2	T__	m__	
TMO55	0.64	34.1	Sg	18:31:49.470	1.0	___	m__	
TMO55	0.64	34.1	SmS	18:31:51.510	-1.5	T__	m__	
LDO	0.65	38.1	Sg	18:31:49.850	1.1	T__	m__	
KTD	0.71	28.7	Sg	18:31:50.053	-0.6	___	m_e	
KIZ	0.78	162.2	Pg	18:31:43.030	0.2	T__	md__ ML	1.5
KIZ	0.78	162.2	PmP	18:31:43.650	-1.5	T__	m__	
KIZ	0.78	162.2	SmS	18:31:54.800	-2.1	T__	m__	
BRET	0.80	66.7	Pg	18:31:42.880	-0.4	___	m__ ML	2.0
BRET	0.80	66.7	PmP	18:31:43.800	-1.7	T__	m__	
BRET	0.80	66.7	SmS	18:31:55.660	-1.8	___	m__	
GALG	0.81	83.5	Pg	18:31:43.080	-0.3	T__	mc__ ML	2.0
GALG	0.81	83.5	PmP	18:31:44.070	-1.5	T__	m__	
GALG	0.81	83.5	Sg	18:31:53.910	0.0	T__	m__	
FELD	0.88	160.2	Pn	18:31:44.860	-1.1	T__	m__ ML	1.6
FELD	0.88	160.2	Pg	18:31:45.190	0.5	___	m__	
FELD	0.88	160.2	Sn	18:31:56.760	-1.7	T__	m__	
FELD	0.88	160.2	Sg	18:31:57.680	1.7	___	m__	
A101B	0.88	131.2	Pg	18:31:45.300	0.6	___	m__	
A101B	0.88	131.2	Sg	18:31:56.680	0.6	___	m__	
ROTE	0.92	126.2	Pg	18:31:46.010	0.6	T__	m__ ML	2.3
ROTE	0.92	126.2	Sg	18:31:58.040	0.7	T__	m__	
IMS	0.92	13.8	Pn	18:31:44.790	-1.8	T__	m__ ML	1.9
IMS	0.92	13.8	Sg	18:31:57.240	-0.2	___	m__	
BERGE	0.93	153.5	Pg	18:31:45.920	0.4	T__	m__ ML	1.8
BERGE	0.93	153.5	PmP	18:31:46.150	-1.4	___	m__	
BERGE	0.93	153.5	Sg	18:31:58.023	0.5	___	m_e	
A100A	0.94	104.9	Pg	18:31:45.890	0.1	___	m__ ML	2.3
A100A	0.94	104.9	Sg	18:31:59.050	1.1	___	m__	
ENDD	0.99	173.2	Pg	18:31:47.310	0.5	T__	m__ ML	1.6
ENDD	0.99	173.2	Sg	18:32:00.800	1.1	T__	m__	
MSS	1.07	118.9	Sg	18:32:03.000	1.0	T__	m__ ML	2.0
METMA	1.09	154.8	Pg	18:31:48.880	0.2	___	m__ ML	1.7
METMA	1.09	154.8	Sg	18:32:03.640	0.8	T__	m__	
SLE	1.12	146.1	Pg	18:31:49.710	0.4	T__	m__	
SLE	1.12	146.1	Sg	18:32:04.880	1.1	___	m__	
FLIN	1.12	56.9	Pn	18:31:47.840	-1.5	T__	m__ ML	2.3
FLIN	1.12	56.9	Pg	18:31:49.260	-0.1	T__	m__	
FLIN	1.12	56.9	Sg	18:32:04.030	0.1	T__	m__	

0.2

RIVT	1.13	333.0	Pn	18:31:48.670	-0.8	T__	m__	ML	1.5
FREU	1.14	113.4	Pg	18:31:49.890	0.2	___	m__	ML	1.5
EMING	1.17	132.8	Pg	18:31:50.630	0.4	___	m__	ML	2.0
EMING	1.17	132.8	Sg	18:32:06.270	0.8	T__	m__		
GUT	1.21	120.8	Pg	18:31:50.710	-0.2	___	m__	ML	1.9
GUT	1.21	120.8	Sg	18:32:07.140	0.6	T__	m__		
BUCH	1.21	101.3	Pg	18:31:51.030	0.1	T__	m__	ML	1.9
BUCH	1.21	101.3	Sg	18:32:07.650	1.0	T__	m__		
A102A	1.22	116.7	Pg	18:31:51.540	0.4	___	m__	ML	2.0
A102A	1.22	116.7	Sg	18:32:07.720	0.7	___	m__		0.1
SULZ	1.23	162.4	Pg	18:31:51.530	0.3	T__	m__	ML	1.5
WBA	1.26	40.3	Pn	18:31:49.240	-1.9	T__	m__	ML	1.7
A109A	1.28	100.9	Pg	18:31:52.690	0.4	___	m__	ML	2.1
A109A	1.28	100.9	Sg	18:32:09.540	0.7	___	m__		0.1
BODE	1.30	21.3	Sg	18:32:09.200	-0.3	___	m__	ML	1.9
BOURR	1.32	189.7	Pg	18:31:53.780	0.7	___	m__		
WLF	1.33	316.8	Pg	18:31:52.690	-0.6	T__	m__	ML	1.8
WLF	1.33	316.8	Sg	18:32:09.670	-0.8	T__	m__		
URBA	1.34	83.4	Pg	18:31:53.160	-0.2	___	m__	ML	1.9
URBA	1.34	83.4	Sn	18:32:07.420	-2.0	T__	m__		
URBA	1.34	83.4	Sg	18:32:10.980	0.2	T__	m__		
BALST	1.37	176.2	Pg	18:31:54.220	0.3	___	m__	ML	1.7
WALHA	1.41	131.8	Sg	18:32:14.060	1.2	___	m__	ML	1.9
DEGG	1.42	92.9	Pg	18:31:54.670	-0.3	___	m__	ML	1.9
DEGG	1.42	92.9	Sg	18:32:14.080	0.7	___	m__		
SIND	1.49	63.4	Pg	18:31:55.370	-0.8	___	m__	ML	1.7
A104C	1.50	111.7	Sg	18:32:16.580	0.7	___	m__		
A108A	1.54	102.4	Pg	18:31:57.900	0.7	___	m__	ML	2.3
A108A	1.54	102.4	Sg	18:32:17.800	0.6	___	m__		0.1
WILA	1.57	144.5	Pg	18:31:57.600	-0.1	___	m__	ML	1.9
WILA	1.57	144.5	Sg	18:32:18.790	0.8	___	m__		
CHMF	1.58	203.1	Pn	18:31:54.250	-1.2	___	m__	ML	1.8
MILB	1.60	44.4	Pg	18:31:57.730	-0.5	___	m__	ML	2.2
MILB	1.60	44.4	Sg	18:32:18.096	-0.7	___	m__	e	
TETT	1.72	126.5	Sg	18:32:23.970	1.2	___	m__	ML	2.2

Event 81010001 Arlberg/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/10	01:20:03.70	0.25	1.01	47.1513	9.9486	4.2	2.9	084	2.0	0.0	106	24	239			m i ke	LDG	81010021
2018/10/10	01:20:01.05	0.09	0.57	47.1514	10.0309	0.9	0.6	020	3.0	0.0	53	7	006			m i fe	ZAMG	81010011
2018/10/10	01:20:00.94	0.50	0.81	47.1090	10.0090	7.8	4.4	012	10.0f		16	12	199	0.20	2.79	m i ke	BGR	81010001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	25 LDG	81010021
ML	2.2	0.2	14 ZAMG	81010011
ML	2.2	0.3	5 BGR	81010001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.20	333.8	Pg	01:20:04.163	-0.9					T__				m_e	
DAVA	0.20	333.8	Sg	01:20:06.225	-1.6					T__				m_e	
OBER	0.35	32.8	Pg	01:20:07.597	-0.2					T__				m_e	

UBR	0.58	6.6	Pg	01:20:12.607	0.7	T__	m_e	ML	2.0
UBR	0.58	6.6	Sg	01:20:20.021	0.6	T__	m_e		
WILA	0.81	292.6	Pg	01:20:17.010	0.8	T__	m_e	ML	2.3
WTTA	1.12	81.4	Pg	01:20:21.892	-0.2	T__	m_e		
SLE	1.22	303.2	Pg	01:20:24.316	0.4	T__	m_e	ML	2.7
SLE	1.22	303.2	Sg	01:20:40.315	0.6	T__	m_e		
SULZ	1.35	288.8	Pg	01:20:27.214	0.7	T__	m_e		
FUR	1.36	38.5	Pg	01:20:26.733	0.2	T__	m_e		
BFO	1.66	317.8	Pg	01:20:30.838	-1.5	T__	m_e	ML	1.9
BFO	1.66	317.8	Sg	01:20:53.733	-0.1	T__	m_e		
RJOB	1.99	70.6	Pg	01:20:38.156	-0.3	T__	m_e	ML	2.1
KBA	2.27	89.6	Pg	01:20:43.694	-0.1	T__	m_e		
WET	2.79	42.2	Pn	01:20:45.920	1.2	T__	m_e		

Event 81012001 Innsbruck, Hall/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/12	05:40:39.60	0.24	1.00	47.3770	11.4574	4.9	2.8	064	2.0	0.0	133	29	205			m i ke	LDG	81012021
2018/10/12	05:40:40.78	0.08	1.53	47.2553	11.3255	0.9	0.6	001	14.8	0.0	103	11	004			m i fe	ZAMG	81012011
2018/10/12	05:40:42.71	0.40	1.14	47.3340	11.3350	5.6	3.3	167	10.0f		39	17	226	0.83	4.31	m i ke	BGR	81012001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.4	33 LDG	81012021
ML	3.4	0.3	22 ZAMG	81012011
ML	3.3	0.2	15 BGR	81012001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	0.83	357.2	Pg	05:40:58.863	0.4				T__	11.8				m_e	ML 3.4
UBR	0.90	293.2	Pg	05:40:59.373	-0.4				T__	80.6				m_e	ML 3.5
UBR	0.90	293.2	Sg	05:41:12.138	0.7				T__	6.6				m_e	
RJOB	1.07	67.2	Pn	05:41:02.772	-0.3				T__	8.3				m_e	ML 3.2
RJOB	1.07	67.2	Pg	05:41:04.025	1.2				T__	36.9				m_e	
RJOB	1.07	67.2	Sg	05:41:18.063	1.4				T__	1.2				m_e	
WET	2.08	29.0	Pn	05:41:16.532	-0.3				T__	14.1				m_e	ML 3.3
WET	2.08	29.0	Sn	05:41:42.777	1.5				T__	4.2				m_e	
WET	2.08	29.0	Sg	05:41:48.212	-0.7				T__	4.2				m_e	
GEC2	2.19	45.4	Pn	05:41:18.138	-0.1				T__	3.5				m_e	ML 3.3
GEC2	2.19	45.4	Pg	05:41:22.757	-1.2				T__	4.1				m_e	
GEC2	2.19	45.4	Sn	05:41:45.786	2.1				T__	3.4				m_e	
GEC2	2.19	45.4	Sg	05:41:51.195	-1.0				T__	5.0				m_e	
BFO	2.25	297.4	Pn	05:41:19.693	0.6				T__	5.4				m_e	ML 3.3
BFO	2.25	297.4	Pg	05:41:24.319	-0.8				T__	7.6				m_e	
BFO	2.25	297.4	Sn	05:41:47.527	2.3				T__	2.0				m_e	
BFO	2.25	297.4	Sg	05:41:52.519	-1.7				T__	8.3				m_e	
GRA1	2.36	358.2	Pg	05:41:26.301	-0.9				T__	20.4				m_e	ML 3.2
GRA1	2.36	358.2	Sg	05:41:58.235	0.5				T__	2.9				m_e	
ROTZ	2.50	13.0	Pn	05:41:21.078	-1.4				T__	6.4				m_e	ML 3.1
ROTZ	2.50	13.0	Pg	05:41:29.170	-0.7				T__	3.7				m_e	
ROTZ	2.50	13.0	Sg	05:42:00.683	-1.5				T__	4.7				m_e	
MANZ	2.70	10.6	Pn	05:41:23.700	-1.5				T__	2.6				m_e	ML 3.0
MANZ	2.70	10.6	Pg	05:41:30.886	-2.8				T__	4.1				m_e	

MANZ	2.70	10.6	Sn	05:41:56.643	0.8	T__	2.2	m_e		
TANN	3.17	13.1	Pn	05:41:30.207	-1.4	T__	4.1	m_e ML	3.4	
TANN	3.17	13.1	Sg	05:42:23.557	0.1	T__	4.2	m_e		
PLN	3.20	9.4	Pg	05:41:42.384	-0.6	T__	3.1	m_e ML	3.3	
PLN	3.20	9.4	Sn	05:42:08.255	0.8	T__	2.2	m_e		
PLN	3.20	9.4	Sg	05:42:24.516	0.2	T__	4.6	m_e		
MOX	3.32	3.1	Pn	05:41:32.660	-0.9	T__	3.9	m_e		
MOX	3.32	3.1	Sn	05:42:11.415	1.1	T__	1.9	m_e		
TNS	3.46	327.7	Pn	05:41:35.893	0.4	T__	20.2	m_e ML	3.4	
TNS	3.46	327.7	Sn	05:42:13.413	-0.2	T__	3.4	m_e		
UBBA	3.59	346.4	Pn	05:41:37.469	0.2	T__	2.8	m_e ML	3.2	
UBBA	3.59	346.4	Sg	05:42:37.818	0.9	T__	3.4	m_e		
NEUB	3.88	4.1	Sg	05:42:46.029	-0.1	T__	1.6	m_e ML	3.7	
BRG	3.93	24.8	Sg	05:42:46.451	-1.1	T__	2.7	m_e ML	3.5	
KAST	4.31	334.9	Pn	05:41:47.460	0.4	T__	2.9	m_e		

Event 81012012 Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/12	20:52:11.00	0.04	0.68	47.8410	7.3879	0.8	0.8	084	12.0f		150	26	020			m i ke	LDG	81012032
2018/10/12	20:52:11.02	0.38	0.37	47.8520	7.3900	3.3	2.2	055	10.0f		28	17	179	0.40	3.12	m i ke	BGR	81012022
2018/10/12	20:52:11.05	0.12	0.21	47.8480	7.4200	1.2	1.0	073	12.0	2.0	55	31	139	0.15	2.33	m i ke	LED	81012012

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.0	0.1	2 LDG	81012032
ML	2.5	0.4	28 LDG	81012032
ML	2.4	0.4	15 BGR	81012022
ML	2.6	0.3	38 LED	81012012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BREM	0.15	65.5	Pg	20:52:15.100	0.5					T__				mc_	
BREM	0.15	65.5	Sg	20:52:18.220	1.2					T__				m__	
STAU	0.21	84.1	Pg	20:52:15.610	0.1					T__				mc_	
BREI	0.22	31.1	Pg	20:52:16.150	0.6					T__				md_	
ENDD	0.25	121.8	Pg	20:52:16.250	0.0					T__				mci ML	2.3
ENDD	0.25	121.8	Sg	20:52:19.960	0.2					T__				m__	
VOGT	0.29	35.6	Pg	20:52:17.240	0.4					T__				md_ ML	2.7
VOGT	0.29	35.6	Sg	20:52:21.670	0.9					T__				m__	
FBB	0.33	62.0	Pg	20:52:17.820	0.3					T__				m__ ML	2.7
FBB	0.33	62.0	Sg	20:52:22.660	0.6					T__				m__	
KIZ	0.35	71.9	Pg	20:52:18.070	0.1					T__				mci ML	2.6
KIZ	0.35	71.9	Sg	20:52:23.000	0.3					T__				m__	
FELD	0.39	85.7	Pg	20:52:18.800	0.1					T__				mci ML	2.0
FELD	0.39	85.7	Sg	20:52:24.260	0.3					T__				m__	
ECH	0.41	334.7	Pg	20:52:18.950	-0.0					T__				md_ ML	1.5
ECH	0.41	334.7	Sg	20:52:24.370	-0.1					T__				m__	
BOURR	0.47	195.8	Pg	20:52:20.290	0.1					T__				md_ ML	2.6
BERGE	0.51	87.1	Pg	20:52:20.990	0.1					T__				mci ML	2.6
BERGE	0.51	87.1	Sg	20:52:28.030	0.5					T__				m__	
BALST	0.54	160.0	Pg	20:52:21.570	0.1					T__				md_ ML	2.0
BALST	0.54	160.0	Sg	20:52:28.890	0.2					T__				m__	



SULZ	0.57	124.1	Pg	20:52:21.980	0.1	T__	mc_ ML	2.2
SULZ	0.57	124.1	Sg	20:52:29.760	0.4	T__	m__	
WLS	0.57	355.5	Pg	20:52:22.130	0.2	T__	md_ ML	2.3
WLS	0.57	355.5	Sg	20:52:29.960	0.6	T__	m__	
METMA	0.58	103.3	Pg	20:52:22.110	0.0	T__	mc_ ML	2.2
METMA	0.58	103.3	Sg	20:52:29.990	0.3	T__	m__	
SLE	0.73	96.1	Pn	20:52:24.970	-1.6	T__	mc_ ML	3.0
SLE	0.73	96.1	Pg	20:52:25.480	0.6	T__	m__	
SLE	0.73	96.1	Sg	20:52:35.049	0.7	___	m_e	
BFO	0.78	51.2	Pn	20:52:25.870	-1.3	T__	md_ ML	2.5
BFO	0.78	51.2	Sn	20:52:36.090	-2.4	T__	m__	
OPP	0.83	37.9	Pn	20:52:26.760	-1.1	T__	m__ ML	2.8
OPP	0.83	37.9	Pg	20:52:27.250	0.5	T__	m__	
OPP	0.83	37.9	Sn	20:52:37.710	-2.0	T__	m__	
ROTE	0.89	69.5	Pn	20:52:28.190	-0.6	T__	m__ ML	3.1
ROTE	0.89	69.5	Sn	20:52:39.900	-1.3	T__	m__	
EMING	0.96	86.6	Pg	20:52:29.430	0.2	T__	mc_ ML	2.8
EMING	0.96	86.6	Sg	20:52:42.670	1.0	T__	m__	
STEIN	0.99	99.8	Pg	20:52:30.260	0.4	T__	m__ ML	3.3
STEIN	0.99	99.8	Sn	20:52:42.890	-0.7	T__	m__	
STEIN	0.99	99.8	Sg	20:52:44.270	1.6	___	m__	
BABA	1.01	30.3	Pn	20:52:29.490	-0.9	___	m__ ML	2.5
BABA	1.01	30.3	Sn	20:52:42.970	-1.1	T__	m__	
BALG	1.05	65.5	Sg	20:52:45.100	0.6	T__	m__	
MSS	1.08	71.7	Pn	20:52:30.580	-0.8	T__	m__ ML	3.2
MSS	1.08	71.7	Pg	20:52:32.000	0.4	T__	m__	
MSS	1.08	71.7	Sn	20:52:44.820	-0.9	T__	m__	
WILA	1.09	112.8	Pg	20:52:32.200	0.5	T__	m__ ML	2.8
WILA	1.09	112.8	Sg	20:52:47.150	1.2	T__	m__	
WALHA	1.15	94.1	Pg	20:52:32.960	0.2	T__	m__ ML	2.5
WALHA	1.15	94.1	Sg	20:52:48.764	1.1	___	m_e	
GUT	1.16	78.3	Pg	20:52:33.140	0.2	T__	m__ ML	2.7
GUT	1.16	78.3	Sn	20:52:46.270	-1.2	T__	m__	
JUNG	1.18	65.3	Sg	20:52:49.320	0.6	T__	m__	
FREU	1.21	70.7	Pn	20:52:32.150	-1.0	T__	m__ ML	2.3
FREU	1.21	70.7	Sn	20:52:48.160	-0.6	T__	m__	
GALG	1.30	43.5	Sn	20:52:50.340	-0.6	T__	m__ ML	2.5
ROMAN	1.32	101.7	Sg	20:52:53.740	0.6	T__	m__ ML	2.3
REUL	1.37	61.1	Sg	20:52:55.070	0.5	___	m__	
ROTT	1.37	20.4	Pg	20:52:37.850	0.9	___	md_ ML	2.7
ROTT	1.37	20.4	Sg	20:52:56.200	1.5	___	m__	
TMO54	1.37	19.7	Sg	20:52:57.390	2.5	___	m__	
BRET	1.44	35.4	Sg	20:52:57.060	0.2	___	m__ ML	2.6
LIENZ	1.50	110.8	Pg	20:52:40.000	0.5	___	mc_ ML	2.2
PLONS	1.55	120.3	Sg	20:53:00.585	0.2	___	m_e ML	1.9
URBA	1.75	54.7	Pg	20:52:44.310	0.3	___	m__ ML	2.9
DAVA	1.75	107.8	Sg	20:53:08.160	1.3	___	m__ ML	2.3
IMS	1.77	10.1	Pg	20:52:44.700	0.2	___	m__ ML	2.5
IMS	1.77	10.1	Sg	20:53:07.580	0.1	___	m__	
FLIN	1.80	35.2	Pn	20:52:40.030	-1.0	___	m__ ML	2.8
FLIN	1.80	35.2	Pg	20:52:45.190	0.2	___	m__	
UBR	1.81	94.3	Pg	20:52:45.873	0.6	___	m_e ML	2.4
UBR	1.81	94.3	Sg	20:53:09.862	1.1	___	m_e	
RIVT	1.91	347.2	Pg	20:52:46.829	-0.3	___	m_e ML	2.6

RIVT	1.91	347.2	Sn	20:53:04.300	-0.9	---	m__												
RIVT	1.91	347.2	Sg	20:53:10.590	-1.2	---	m__												
HDH	2.00	67.3	Pg	20:52:49.020	0.3	---	m__	ML	3.5										
ABH	2.04	2.3	Pg	20:52:49.130	-0.3	---	md__	ML	2.4										
BODE	2.14	15.3	Pg	20:52:51.560	0.1	---	md__	ML	2.5										
BODE	2.14	15.3	Sg	20:53:19.460	0.3	---	m__												
WOER	2.22	57.2	Pg	20:52:53.200	0.3	---	mc__	ML	3.1										
FSH	2.24	354.9	Pg	20:52:52.850	-0.4	---	md__												
FSH	2.24	354.9	Sg	20:53:21.700	-0.5	---	m__												
NORI	2.30	66.6	Sg	20:53:24.945	0.6	---	m_e	ML	2.7	6.0									
MILB	2.33	31.2	Sg	20:53:25.900	0.7	---	m__	ML	2.6										
GRA1	3.11	52.2	Sg	20:53:49.209	-0.7	---	m_e	ML	3.1	5.6									

Event 81012003 Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/12	21:01:07.20	0.04	0.64	47.8419	7.3878	0.8	0.7	093	10.0f		154	30	020			m i ke	LDG	81012023
2018/10/12	21:01:07.08	0.51	0.59	47.8640	7.3910	4.4	2.2	037	10.0f		26	15	232	0.38	3.70	m i ke	BGR	81012013
2018/10/12	21:01:07.12	0.11	0.24	47.8480	7.4120	1.2	1.0	093	11.0	2.0	54	31	114	0.16	2.22	m i ke	LED	81012003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.5	0.1	2 LDG	81012023
ML	2.7	0.4	30 LDG	81012023
ML	2.2	0.4	10 BGR	81012013
ML	2.3	0.2	36 LED	81012003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BREM	0.16	66.3	Pg	21:01:11.210	0.6					T__				mci	
BREM	0.16	66.3	Sg	21:01:14.410	1.4					T__				m__	
STAU	0.22	84.2	Pg	21:01:11.710	0.1					T__				mci	
BREI	0.22	32.3	Pg	21:01:12.240	0.6					T__				m__	
BREI	0.22	32.3	Sg	21:01:16.150	1.4					T__				m__	
ENDD	0.26	121.2	Pg	21:01:12.350	0.1					T__				mci ML	2.1
ENDD	0.26	121.2	Sg	21:01:16.060	0.2					T__				m__	
WEIL	0.28	153.5	Sg	21:01:17.490	0.8					T__				m__	
VOGT	0.29	36.4	Pg	21:01:13.330	0.4					T__				md__ ML	2.3
VOGT	0.29	36.4	Sg	21:01:17.800	0.9					T__				m__	
LOES	0.30	144.8	Sg	21:01:17.830	0.8					T__				m__	
FREI	0.33	60.7	Pg	21:01:14.010	0.4					T__				md__	
FREI	0.33	60.7	Sg	21:01:18.860	0.8					T__				m__	
FBB	0.33	62.4	Pg	21:01:13.980	0.3					T__				m__ ML	2.4
FBB	0.33	62.4	Sg	21:01:18.790	0.6					T__				m__	
KIZ	0.36	72.1	Pg	21:01:14.160	0.1					T__				mc__ ML	2.1
KIZ	0.36	72.1	Sg	21:01:19.100	0.2					T__				m__	
FELD	0.40	85.7	Pg	21:01:14.890	0.0					T__				mc__ ML	1.7
FELD	0.40	85.7	Sg	21:01:20.400	0.2					T__				m__	
ECH	0.41	335.4	Pg	21:01:15.050	0.1					T__				mdi ML	1.5
ECH	0.41	335.4	Sg	21:01:20.460	0.1					T__				m__	
BOURR	0.47	195.1	Pg	21:01:16.380	0.2					T__				mdi ML	2.6
BOURR	0.47	195.1	Sg	21:01:22.840	0.5					T__				m__	
BERGE	0.51	87.1	Pg	21:01:17.090	0.1					T__				mci ML	2.1

BERGE	0.51	87.1	Sg	21:01:24.050	0.3	T__	m__	
BALST	0.55	159.5	Pg	21:01:17.660	0.1	T__	mdi ML	2.0
BALST	0.55	159.5	Sg	21:01:24.980	0.2	T__	m__	
SULZ	0.57	123.8	Pg	21:01:18.080	0.1	T__	mci ML	2.0
SULZ	0.57	123.8	Sg	21:01:25.830	0.3	T__	m__	
METMA	0.58	103.2	Pg	21:01:18.200	-0.0	___	m__ ML	2.0
METMA	0.58	103.2	Sg	21:01:26.110	0.3	T__	m__	
SLE	0.73	96.0	Pg	21:01:21.070	0.1	T__	mc__ ML	2.7
SLE	0.73	96.0	Sg	21:01:31.120	0.6	T__	m__	
BFO	0.78	51.5	Pg	21:01:21.970	0.0	T__	m__ ML	2.3
BFO	0.78	51.5	Sg	21:01:32.450	0.4	T__	m__	
CHMF	0.79	220.8	Pn	21:01:21.870	-1.7	T__	mci ML	2.7
CHMF	0.79	220.8	Pg	21:01:22.550	0.4	T__	m__	
OPP	0.83	38.2	Pn	21:01:22.880	-1.3	T__	m__ ML	2.2
OPP	0.83	38.2	Sn	21:01:33.810	-2.2	T__	m__	
ROTE	0.90	69.6	Sn	21:01:36.070	-1.5	T__	m__ ML	2.8
EMING	0.96	86.7	Pg	21:01:25.580	0.2	T__	m__ ML	2.3
EMING	0.96	86.7	Sg	21:01:38.910	1.0	T__	m__	
STEIN	1.00	99.8	Pn	21:01:26.410	0.0	T__	mdi ML	2.3
STEIN	1.00	99.8	Sg	21:01:40.470	1.6	T__	m__	
BABA	1.01	30.5	Pn	21:01:25.580	-1.1	T__	m__ ML	2.2
BABA	1.01	30.5	Sn	21:01:39.060	-1.3	T__	m__	
BABA	1.01	30.5	SmS	21:01:40.400	-1.8	T__	m__	
MSS	1.09	71.8	Pg	21:01:28.100	0.4	T__	md__ ML	2.5
MSS	1.09	71.8	Sg	21:01:42.690	0.9	T__	m__	
WILA	1.10	112.7	Pg	21:01:28.350	0.5	T__	m__ ML	2.6
WILA	1.10	112.7	Sg	21:01:43.210	1.1	T__	m__	
WALHA	1.15	94.1	Pg	21:01:29.061	0.1	___	m_e ML	2.3
WALHA	1.15	94.1	Sg	21:01:44.810	0.9	T__	m__	
GUT	1.16	78.3	Sg	21:01:44.500	0.3	T__	m__ ML	2.5
FREU	1.22	70.8	Sg	21:01:46.750	0.9	T__	m__ ML	2.2
GALG	1.31	43.6	Sn	21:01:46.360	-0.9	T__	m__ ML	2.1
BUCH	1.43	64.4	Sg	21:01:52.920	0.3	___	m__ ML	2.6
BRET	1.44	35.5	Sn	21:01:49.510	-0.9	___	m__ ML	2.3
BRET	1.44	35.5	Sg	21:01:53.160	0.2	___	m__	
LIENZ	1.51	110.7	Pg	21:01:36.010	0.4	___	m__ ML	2.2
LIENZ	1.51	110.7	Sg	21:01:56.090	0.9	___	m__	
DEGG	1.71	62.8	Sg	21:02:02.400	0.8	___	m__ ML	2.4
URBA	1.75	54.8	Pg	21:01:40.180	0.0	___	m__ ML	2.5
DAVA	1.76	107.7	Sg	21:02:04.250	1.2	___	m__ ML	2.2
IMS	1.78	10.3	Pg	21:01:40.730	0.1	___	m__ ML	2.5
FLIN	1.80	35.3	Sg	21:02:04.620	0.2	___	m__ ML	2.5
UBR	1.82	94.3	Pn	21:01:37.297	-0.3	___	m_e ML	2.2
UBR	1.82	94.3	Pg	21:01:42.102	0.6	___	m_e	
UBR	1.82	94.3	Sg	21:02:05.976	1.0	___	m_e	
RIVT	1.91	347.3	Pg	21:01:42.840	-0.3	___	m__ ML	2.7
RIVT	1.91	347.3	Sn	21:02:00.590	-0.8	___	m__	
RIVT	1.91	347.3	SmS	21:02:06.720	-2.6	___	m__	
WLF	2.00	335.9	Sg	21:02:09.921	-0.7	___	m_e	
ABH	2.04	2.5	Pg	21:01:45.020	-0.5	___	m__ ML	2.4
ABH	2.04	2.5	Sg	21:02:12.226	0.4	___	m_e	
SIND	2.09	43.2	Sg	21:02:14.010	0.5	___	m__ ML	2.4
WOER	2.22	57.2	Pg	21:01:49.290	0.2	___	mci ML	2.3
NORI	2.31	66.6	Sg	21:02:21.188	0.7	___	m_e ML	2.5

MILB	2.34	31.3	Sg	21:02:22.063	0.7	---	2.7	m_e	ML	2.6
FUR	2.60	81.6	Sg	21:02:31.208	1.3	---	3.1	m_e	ML	2.8
GRA1	3.11	52.3	Sg	21:02:45.041	-1.1	---	3.1	m_e		
ROTZ	3.69	56.9	Sg	21:03:03.135	-1.4	---	2.4	m_e		

Event 81013005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/13	02:11:04.88	0.87	1.47	51.4184	15.8480	7.4	6.1	057	0.0	0.0	16	3	003			m i sr	ZAMG	81013015
2018/10/13	02:11:03.64	0.27	0.69	51.5770	15.9680	3.3	2.2	015	1.0f		43	25	107	0.76	3.55	m i ki	BGR	81013005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	9 ZAMG	81013015
ML	3.0	0.3	16 BGR	81013005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.76	164.3	Pg	02:11:17.810	-0.2					T__	22.7			m_e	ML 2.6
KSP	0.76	164.3	Sg	02:11:28.038	0.2					T__	2.2			m_e	
DPC	1.25	169.6	Pg	02:11:26.456	-0.7					T__	17.6			m_e	ML 3.6
DPC	1.25	169.6	Sg	02:11:43.785	0.5					T__	8.9			m_e	
PVCC	1.37	220.5	Pn	02:11:28.781	-0.4					T__	3.5			m_e	ML 3.5
PVCC	1.37	220.5	Pg	02:11:29.461	0.0					T__	60.7			m_e	
PVCC	1.37	220.5	Sg	02:11:48.716	1.6					T__	5.3			m_e	
BRG	1.45	241.8	Pn	02:11:29.441	-0.8					T__	1.5			m_e	ML 2.7
BRG	1.45	241.8	Pg	02:11:30.538	-0.4					T__				m_e	
BRG	1.45	241.8	Sg	02:11:50.201	0.5					T__	7.6			m_e	
PRU	1.83	210.1	Pn	02:11:34.616	-0.7					T__	6.9			m_e	ML 2.8
PRU	1.83	210.1	Pg	02:11:36.934	-1.1					T__				m_e	
PRU	1.83	210.1	Sg	02:12:01.296	-0.4					T__	6.2			m_e	
GKP	1.86	24.1	Sg	02:12:03.213	0.4					T__	2.9			m_e	ML 2.8
CLL	1.87	262.9	Pn	02:11:34.693	-1.2					T__	13.4			m_e	ML 2.7
CLL	1.87	262.9	Sg	02:12:02.705	-0.3					T__	3.0			m_e	
MORC	2.06	150.4	Pn	02:11:37.958	-0.5					T__	8.0			m_e	
OKC	2.22	140.7	Sg	02:12:13.575	-0.6					T__	4.4			m_e	ML 2.6
TREC	2.30	187.8	Sg	02:12:16.695	-0.1					T__	4.9			m_e	ML 3.1
VRAC	2.30	169.8	Pn	02:11:42.305	0.5					T__	8.9			m_e	ML 2.9
VRAC	2.30	169.8	Sg	02:12:17.148	0.3					T__	5.2			m_e	
TANN	2.49	243.6	Pn	02:11:44.240	-0.2					T__	6.4			m_e	ML 3.0
TANN	2.49	243.6	Sg	02:12:22.733	-0.1					T__	5.0			m_e	
KRUC	2.53	173.6	Pn	02:11:45.300	0.4					T__	4.6			m_e	
PLN	2.63	247.0	Pn	02:11:46.018	-0.3					T__	2.4			m_e	ML 3.1
PLN	2.63	247.0	Pg	02:11:53.324	0.1					T__				m_e	
PLN	2.63	247.0	Sg	02:12:27.816	0.5					T__	6.3			m_e	
NEUB	2.64	263.6	Pg	02:11:52.914	-0.5					T__				m_e	ML 3.6
NEUB	2.64	263.6	Sg	02:12:28.419	0.9					T__	3.2			m_e	
OJC	2.77	117.8	Sg	02:12:32.596	0.9					T__	3.7			m_e	
MOX	2.89	252.9	Pn	02:11:49.144	-0.6					T__	2.4			m_e	ML 3.2
MOX	2.89	252.9	Pg	02:11:57.697	-0.3					T__				m_e	
MOX	2.89	252.9	Sg	02:12:36.722	1.4					T__	7.2			m_e	
MANZ	2.91	238.4	Pn	02:11:50.643	0.6					T__	4.2			m_e	ML 3.2
MANZ	2.91	238.4	Sg	02:12:36.819	0.6					T__	4.4			m_e	

JAVC	2.93	157.5	Pn	02:11:51.129	0.8	T__	2.5	m_e											
CKRC	2.95	201.7	Pg	02:11:57.671	-1.6	T__		m_e											
ROTZ	2.99	234.3	Pn	02:11:51.299	0.1	T__	9.4	m_e ML											3.0
ROTZ	2.99	234.3	Sg	02:12:38.781	0.1	T__	5.8	m_e											
GEC2	3.09	208.8	Pn	02:11:53.694	1.2	T__	3.2	m_e											
WET	3.13	220.2	Pn	02:11:53.277	0.2	T__	5.0	m_e											
CLZ	3.48	276.6	Pn	02:11:58.332	0.6	T__	1.8	m_e											
GRA1	3.55	239.8	Pn	02:11:59.363	0.6	T__	3.0	m_e											

Event 81015002 Ebingen/Swabian Jura

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/15	19:41:46.80	0.07	0.51	48.2522	9.0320	1.1	1.0	100	10.0f		79	12	062			m i ke	LDG	81015042
2018/10/15	19:41:46.53	0.35	1.52	48.2401	9.0014	2.5	1.3	021	10.9	4.2	16	3	003			m i uk	ZAMG	81015032
2018/10/15	19:41:47.05	0.39	0.25	48.2550	9.0230				2.4	2.7	18	10	102	0.16	0.82	m i ke	BUG	81015022
2018/10/15	19:41:46.99	0.29	0.32	48.2700	9.0120	3.3	2.2	156	10.0f		14	8	089	0.39	1.57	m i ke	BGR	81015012
2018/10/15	19:41:46.68	0.03	0.08	48.2520	9.0330	0.4	0.2	132	10.0	1.0	47	23	060	0.02	1.28	m i ke	LED	81015002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	12 LDG	81015042
ML	1.9	0.1	3 ZAMG	81015032
MD	3.0	1.4	6 BUG	81015022
ML	2.0	0.3	6 BUG	81015022
ML	1.4	0.3	8 BGR	81015012
ML	1.6	0.2	29 LED	81015002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BHBD	0.02	256.5	Pg	19:41:48.740	0.3					T__				mc_ ML	1.7
BHBD	0.02	256.5	Sg	19:41:50.220	0.6					T__				m__	
ONST	0.04	323.9	Pg	19:41:48.830	0.3					T__				md_ ML	1.3
ONST	0.04	323.9	Sg	19:41:50.350	0.6					T__				m__	
EBIN	0.04	181.2	Pg	19:41:48.860	0.3					T__				md_	
EBIN	0.04	181.2	Sg	19:41:50.380	0.5					T__				m__	
FREU	0.07	103.3	Pg	19:41:49.050	0.2					T__				mdi ML	1.3
FREU	0.07	103.3	Sg	19:41:50.720	0.4					T__				m__	
JUNG	0.08	1.0	Pg	19:41:49.120	0.2					T__				mc_	
JUNG	0.08	1.0	Sg	19:41:50.850	0.4					T__				m__	
MSS	0.09	212.9	Pg	19:41:49.430	0.4					T__				mci ML	1.4
MSS	0.09	212.9	Sg	19:41:51.370	0.7					T__				m__	
BALG	0.12	280.2	Pg	19:41:49.800	0.3					T__				mdi	
BALG	0.12	280.2	Sg	19:41:51.840	0.4					T__				m__	
ERPF	0.13	45.4	Pg	19:41:50.000	0.3					T__				mci	
ERPF	0.13	45.4	Sg	19:41:52.310	0.6					T__				m__	
MSGN	0.16	6.1	Pg	19:41:50.320	0.2					T__				mc_	
MSGN	0.16	6.1	Sg	19:41:52.830	0.4					T__				m__	
A102A	0.16	135.2	Pg	19:41:50.380	0.3					___				m__	
A102A	0.16	135.2	Sg	19:41:52.580	0.1					___		0.3		m__	
GUT	0.19	163.1	Pg	19:41:50.950	0.3					T__				md_ ML	2.0
GUT	0.19	163.1	Sg	19:41:53.870	0.5					T__				m__	
A100A	0.21	340.6	Pg	19:41:51.230	0.2					___				m__ ML	1.6
A100A	0.21	340.6	Sg	19:41:53.980	-0.1					___		0.4		m__	

ROTE	0.26	247.9	Pg	19:41:52.160	0.3	T__		mci	ML	1.8
ROTE	0.26	247.9	Sg	19:41:55.830	0.4	T__		m_i		
REUL	0.27	27.7	Pg	19:41:52.330	0.2	T__		mc_	ML	1.7
REUL	0.27	27.7	Sg	19:41:56.240	0.4	T__		m__		
ZWI	0.28	89.0	Pg	19:41:52.320	0.2	T__		mdi	ML	1.1
ZWI	0.28	89.0	Sg	19:41:56.250	0.3	T__		m__		
BUCH	0.29	47.0	Pg	19:41:52.750	0.3	T__		mci	ML	1.5
BUCH	0.29	47.0	Sg	19:41:56.890	0.6	T__		m__		
BUCH	0.29	47.0	SmS	19:42:02.330	-1.4	___		m__		
A109A	0.34	55.7	Pg	19:41:53.620	0.3	___		m__	ML	1.4
A109A	0.34	55.7	Sg	19:41:58.410	0.5	___	0.1	m__		
A101B	0.35	247.6	Pg	19:41:53.730	0.3	___		m__	ML	1.5
A101B	0.35	247.6	Sg	19:41:58.330	0.2	___	0.1	m__		
EMING	0.38	199.3	Pg	19:41:54.330	0.3	T__		mci	ML	1.4
EMING	0.38	199.3	Sg	19:41:59.750	0.7	___		m__		
EMING	0.38	199.3	SmS	19:42:04.020	-1.3	T__		m__		
BFO	0.47	279.7	Pg	19:41:56.000	0.2	T__		md_	ML	1.4
BFO	0.47	279.7	Sg	19:42:02.051	0.0	___	3.8	m_e		
BFO	0.47	279.7	SmS	19:42:06.040	-1.4	___		m__		
WALHA	0.50	173.1	Pg	19:41:56.690	0.4	T__		mc_	ML	1.6
WALHA	0.50	173.1	Sg	19:42:03.790	0.9	___		m__		
A108A	0.54	79.5	Sg	19:42:04.540	0.5	___		m__		
GALG	0.56	342.7	Pg	19:41:57.510	0.1	T__		mc_	ML	2.0
GALG	0.56	342.7	Sg	19:42:04.720	0.0	T__		m__		
GALG	0.56	342.7	SmS	19:42:07.630	-1.9	T__		m__		
A103C	0.56	145.0	Sg	19:42:05.780	1.0	___		m__		
A103D	0.57	142.3	Pg	19:41:57.990	0.5	___		m__	ML	1.9
A103D	0.57	142.3	Sg	19:42:05.750	0.8	___	0.1	m__		
DEGG	0.57	51.5	Pg	19:41:57.840	0.2	T__		mc_	ML	1.3
DEGG	0.57	51.5	PmP	19:41:59.560	-0.9	T__		m__		
DEGG	0.57	51.5	Sg	19:42:05.720	0.6	T__		m__		
DEGG	0.57	51.5	SmS	19:42:08.810	-1.0	___		m__		
STEIN	0.59	190.7	Pg	19:41:58.390	0.4	T__		m__	ML	1.5
STEIN	0.59	190.7	PmP	19:42:00.020	-0.7	T__		m__		
STEIN	0.59	190.7	Sg	19:42:06.710	1.0	___		m__		
STEIN	0.59	190.7	SmS	19:42:09.630	-0.7	___		m__		
SLE	0.61	216.8	Pg	19:41:58.390	0.2	T__		mci	ML	2.0
SLE	0.61	216.8	PmP	19:41:59.890	-1.0	T__		m__		
SLE	0.61	216.8	Sg	19:42:06.790	0.7	T__		m__		
SLE	0.61	216.8	SmS	19:42:09.110	-1.5	T__		m__		
OPP	0.61	293.9	PmP	19:41:59.900	-1.1	T__		m__	ML	1.3
A106B	0.68	42.1	Pg	19:41:59.720	0.1	___		m__	ML	1.8
A106B	0.68	42.1	Sg	19:42:09.380	1.0	___	0.1	m__		
URBA	0.69	31.8	Pg	19:41:59.830	0.0	T__		mc_	ML	1.8
URBA	0.69	31.8	Sg	19:42:09.390	0.6	___		m__		
URBA	0.69	31.8	SmS	19:42:11.240	-1.6	T__		m__		
ROMAN	0.72	163.4	Pg	19:42:01.350	1.1	___		m__		
ROMAN	0.72	163.4	Sg	19:42:10.560	0.9	___		m__		
BABA	0.73	310.3	Pg	19:42:00.640	0.2	___		md_	ML	1.3
BABA	0.73	310.3	PmP	19:42:01.580	-1.2	___		mc_		
METMA	0.75	224.3	Pg	19:42:01.010	0.1	___		mc_	ML	1.5
METMA	0.75	224.3	PmP	19:42:02.080	-1.1	___		m__		
METMA	0.75	224.3	Sg	19:42:11.526	0.8	___	4.0	m_e		
METMA	0.75	224.3	SmS	19:42:12.930	-1.6	___		m__		

FELD	0.78	241.7	Pg	19:42:01.740	0.2	---									m__	ML	1.6	
FELD	0.78	241.7	PmP	19:42:02.500	-1.2	---									m__			
KIZ	0.80	248.7	Pg	19:42:02.000	0.1	---									m__	ML	1.8	
A107C	0.81	106.2	Pg	19:42:03.090	1.0	---									m__	ML	2.8	
A107C	0.81	106.2	Sg	19:42:13.690	1.0	---						0.3			m__			
WILA	0.84	185.8	Pg	19:42:03.080	0.4	---									m__			
WILA	0.84	185.8	Sg	19:42:14.660	1.1	---									m__			
HDH	0.85	66.5	PmP	19:42:03.530	-1.2	---									mc_	ML	1.6	
UBR	0.92	128.0	Sg	19:42:17.709	1.7	---				1.8					m_e	ML	1.5	
VOGT	0.92	259.9	Sn	19:42:16.610	-1.4	---									m__	ML	1.7	
SULZ	0.95	220.8	Pn	19:42:04.510	-0.9	---									m__			
SULZ	0.95	220.8	Pg	19:42:04.930	0.3	---									m__			
SULZ	0.95	220.8	PmP	19:42:05.310	-1.2	---									m__			
SULZ	0.95	220.8	Sg	19:42:17.810	0.8	---									m__			
ENDD	1.02	238.7	Pg	19:42:06.210	0.2	---									mc_	ML	1.7	
FLIN	1.05	359.1	Pg	19:42:07.200	0.6	---									m__	ML	2.0	
WOER	1.12	46.3	Pg	19:42:07.820	0.0	---									m__	ML	1.5	
NORI	1.15	65.5	Pg	19:42:08.497	-0.0	---				1.5					m_e	ML	1.7	
NORI	1.15	65.5	Sg	19:42:24.122	0.7	---				4.2					m_e			
SIND	1.16	18.8	Pg	19:42:08.710	0.1	---									m__	ML	1.6	
ECH	1.25	269.1	Pg	19:42:09.964	-0.3	---				1.5					m_e	ML	2.0	
ECH	1.25	269.1	Sg	19:42:26.530	0.1	---									m__			
BALST	1.28	225.0	Pg	19:42:10.920	-0.0	---									m__			
MILB	1.59	6.1	Sg	19:42:37.014	-0.1	---				3.0					m_e	ML	2.0	

Event 81017001 Quakenbrueck, W of Vechta

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/17	23:56:18.30	0.53	0.75	52.6360	8.0604	12.4	7.1	145	5.0f		12	5	321			m i ke	LDG	81017031
2018/10/17	23:56:18.50	0.93	0.41	52.7660	7.8780				4.0	4.8		13	154	0.47	2.58	m i ki	BNS	81017021
2018/10/17	23:56:16.84		0.47	52.7890	7.8530				9.8	3.2	21	15	122	0.15	2.59	m i ki	BUG	81017011
2018/10/17	23:56:17.00	0.22	0.69	52.7870	7.9200	2.2	2.2	107	5.0f		30	17	118	0.09	2.07	m i ke	BGR	81017001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.2	3 LDG	81017031
ML	2.3		BNS	81017021
MD	3.1	0.2	13 BUG	81017011
ML	3.0	0.1	10 BUG	81017011
ML	2.5	0.2	15 BGR	81017001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SEVE	0.09	82.2	Pg	23:56:18.553	-0.4					T__	45.1			m_e	ML 2.9
SEVE	0.09	82.2	Sg	23:56:21.096	0.8					T__	7.9			m_e	
RAST	0.17	315.0	Pg	23:56:21.479	1.1					T__	8.3			m_e	ML 2.2
RAST	0.17	315.0	Sg	23:56:26.332	3.6					T__				m_e	
FAHL	0.19	49.2	Pg	23:56:21.070	0.5					T__	6.8			m_e	ML 2.3
FAHL	0.19	49.2	Sg	23:56:25.041	2.0					T__				m_e	
IBBN	0.49	191.6	Pg	23:56:26.074	-0.2					T__	3.0			m_e	ML 2.3
IBBN	0.49	191.6	Sg	23:56:34.794	2.1					T__				m_e	
IBBE	0.49	189.0	Pg	23:56:26.220	-0.1					---				m__	ML 2.7
IBBE	0.49	189.0	Sg	23:56:27.740	-5.0					---		1.0		m__	

SYKE	0.58	80.6	Pg	23:56:29.363	1.3	T__	6.2			m_e	ML	2.5
SYKE	0.58	80.6	Sg	23:56:39.275	3.6	T__				m_e		
IGAD	0.66	44.2	Pg	23:56:31.395	1.9	T__	1.4			m_e		
LOCC	0.83	116.5	Pg	23:56:33.706	1.0	T__	46.5			m_e	ML	2.8
LOCC	0.83	116.5	Sg	23:56:45.549	2.1	T__				m_e		
DEEL	0.86	78.0	Sg	23:56:47.851	3.5	T__				m_e	ML	2.7
RETHO	0.87	93.3	Pg	23:56:34.860	1.4	T__	7.1			m_e	ML	2.7
RETHO	0.87	93.3	Sg	23:56:47.444	2.6	T__				m_e		
RETH	0.87	93.3	Pg	23:56:34.759	1.3	T__	13.8			m_e		
GOLD	0.92	81.0	Pg	23:56:34.970	0.6	---				m__	ML	2.9
GOLD	0.92	81.0	Sg	23:56:48.930	2.7	---			0.7	m__		
HMES	1.14	186.1	Pg	23:56:38.350	-0.1	---				m__	ML	2.9
HMES	1.14	186.1	Sg	23:56:54.840	1.7	---			0.1	m__		
BAVN	1.16	205.3	Pg	23:56:39.290	0.5	---				m__	ML	2.8
NRDL	1.36	101.6	Pn	23:56:42.140	0.2	---				m__	ML	2.4
BULI	1.39	197.2	Pg	23:56:41.670	-1.6	---				m__	ML	2.7
HLG	1.40	359.1	Pn	23:56:42.145	-0.3	T__	1.0			m_e	ML	2.8
HLG	1.40	359.1	Pg	23:56:43.281	-0.1	T__	2.0			m_e		
HLG	1.40	359.1	Sg	23:57:02.391	1.0	T__				m_e		
BUG	1.40	196.8	Pn	23:56:41.700	-0.8	---				m__	ML	2.5
BUG	1.40	196.8	Pg	23:56:43.365	-0.1	T__	5.2			m_e		
BUG	1.40	196.8	Sg	23:57:02.576	0.9	T__				m_e		
BKLB	1.40	196.8	Pn	23:56:41.700	-0.8	---				m__		
LAUG	1.56	203.1	Pg	23:56:45.355	-1.0	---				m_e		
LAUG	1.56	203.1	Sg	23:57:05.761	-0.7	---			28.5	0.82	m_e	
KAST	1.61	168.9	Pn	23:56:45.140	-0.2	---				m__	ML	2.4
KAST	1.61	168.9	Pg	23:56:47.457	0.0	T__	18.9			m_e		
KAST	1.61	168.9	Sg	23:57:09.299	1.0	T__				m_e		
GTTG	1.76	133.9	Pn	23:56:47.438	0.0	T__	2.1			m_e	ML	2.6
CLZ	1.77	121.3	Pn	23:56:47.215	-0.3	T__	5.0			m_e	ML	2.4
BSEG	1.83	50.3	Pn	23:56:47.699	-0.6	T__	1.6			m_e	ML	2.1
BSEG	1.83	50.3	Sn	23:57:11.093	0.4	T__				m_e		
BSEG	1.83	50.3	Sg	23:57:15.355	0.1	T__				m_e		
HOBG	1.84	191.6	Pn	23:56:49.400	1.0	---				m_e		
HOBG	1.84	191.6	Sn	23:57:12.900	2.1	---			47.7	0.49	m_e	
BNS	1.88	194.4	Sn	23:57:13.400	1.6	---			63.9	0.51	m_e	
FLT1	2.07	101.4	Pn	23:56:50.876	-0.6	T__	1.3			m_e	ML	2.2
STB	2.29	197.4	Pn	23:56:54.300	-0.3	---				m_e		
STB	2.29	197.4	Sn	23:57:22.700	1.2	---			16.6	0.33	m_e	
KLL	2.36	205.6	Sn	23:57:24.700	1.6	---			10.8	0.16	m_e	
KOE	2.36	182.9	Pn	23:56:57.000	1.5	---				m_e		
KOE	2.36	182.9	Sn	23:57:24.800	1.6	---			18.5	0.49	m_e	
DREG	2.37	206.9	Sn	23:57:24.400	1.2	---			10.6	0.34	m_e	
TNS	2.59	172.5	Pn	23:56:58.770	0.2	---				m__	ML	3.1
BGG	2.61	188.2	Sn	23:57:31.000	2.2	---			10.8	0.34	m_e	
HILG	2.61	197.7	Sn	23:57:31.000	2.0	---			28.8	0.68	m_e	

Event 81019011 Hirschbach, S of Susice/CR, German-Czech border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/19	18:14:31.25	0.26	0.56	49.1851	13.3651	2.0	1.3	002	0.5	2.3	34	5	002			m i uk	ZAMG	81019021
2018/10/19	18:14:32.09	0.25	0.29	49.1380	13.3490	3.3	1.1	038	2.0f		26	13	130	0.15	1.49	m i ke	BGR	81019011

(#PRIME)



Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	5 ZAMG	81019021
ML	1.6	0.3	10 BGR	81019011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KHC	0.15	92.6	Pg	18:14:34.953	0.0					T__				m_e	
KHC	0.15	92.6	Sg	18:14:36.903	0.0					T__				m_e	
WET	0.31	271.3	Pg	18:14:37.903	0.0					T__				m_e ML	1.0
WET	0.31	271.3	Sg	18:14:41.945	0.1					T__				m_e	
GEC2	0.37	141.6	Pg	18:14:39.366	0.2					T__				m_e	
GEC2	0.37	141.6	Sg	18:14:44.371	0.4					T__				m_e	
CKRC	0.71	116.4	Pg	18:14:45.338	-0.1					T__				m_e ML	1.4
CKRC	0.71	116.4	Sg	18:14:54.348	-0.2					T__				m_e	
ROTZ	0.97	310.7	Sg	18:15:02.758	-0.2					T__				m_e ML	1.5
PRU	1.15	41.8	Sg	18:15:08.584	-0.0					T__				m_e ML	1.4
ROHR	1.28	329.1	Pg	18:14:56.531	0.2					T__				m_e ML	2.0
ROHR	1.28	329.1	Sg	18:15:12.833	-0.0					T__				m_e	
WERN	1.31	331.7	Pg	18:14:56.801	0.0					T__				m_e ML	1.7
WERN	1.31	331.7	Sg	18:15:13.987	0.3					T__				m_e	
GUNZ	1.39	332.2	Pn	18:14:57.855	0.1					T__				m_e	
GUNZ	1.39	332.2	Sg	18:15:16.637	0.4					T__				m_e	
TANN	1.40	336.2	Pn	18:14:57.849	-0.0					T__				m_e ML	1.7
TANN	1.40	336.2	Pg	18:14:58.295	-0.2					T__				m_e	
TANN	1.40	336.2	Sg	18:15:16.394	-0.2					T__				m_e	
MULD	1.41	334.9	Pn	18:14:58.615	0.5					T__				m_e ML	1.7
MULD	1.41	334.9	Pg	18:14:59.053	0.3					T__				m_e	
MULD	1.41	334.9	Sg	18:15:17.131	0.2					T__				m_e	
TRIB	1.44	327.6	Pn	18:14:58.853	0.3					T__				m_e ML	1.7
TRIB	1.44	327.6	Pg	18:14:59.469	0.2					T__				m_e	
TRIB	1.44	327.6	Sg	18:15:17.744	-0.2					T__				m_e	
GRAI	1.49	292.6	Sg	18:15:18.992	-0.4					T__				m_e ML	1.8

Event 81020002 Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/20	05:44:42.67	0.41	4.60	50.1152	19.1864	6.1	3.0	154	0.0	0.0	24	3	002			m i sr	ZAMG	81020012
2018/10/20	05:44:46.12	0.62	1.20	49.9710	18.8990	12.2	4.4	038	1.0f		16	13	230	1.48	4.35	m i ki	BGR	81020002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.1	4 ZAMG	81020012
ML	3.1	0.4	11 BGR	81020002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
VYHS	1.48	181.6	Pn	05:45:11.717	-1.4					T__				m_e ML	2.0
VYHS	1.48	181.6	Sg	05:45:33.510	0.4					T__				m_e	
PSZ	2.15	162.0	Pn	05:45:23.821	1.5					T__				m_e ML	2.8
BRG	3.28	287.8	Pn	05:45:35.045	-2.5					T__				m_e ML	2.9
BRG	3.28	287.8	Sg	05:46:30.788	0.4					T__				m_e	
GEC2	3.56	253.6	Pn	05:45:42.859	1.5					T__				m_e ML	3.3
GEC2	3.56	253.6	Sg	05:46:39.279	-0.0					T__				m_e	
FBE	3.66	287.2	Sg	05:46:42.851	0.6					T__				m_e ML	3.2

CLL	3.97	291.9	Sg	05:46:55.131	2.9	T__	m_e												
TANN	4.14	278.6	Pn	05:45:48.610	-0.6	T__	m_e	ML	3.2										
MULD	4.18	278.6	Pn	05:45:49.405	-0.3	T__	m_e	ML	3.2										
ROHR	4.23	276.1	Sg	05:47:01.417	1.0	T__	m_e	ML	3.7										
WERD	4.24	279.0	Sg	05:47:01.255	0.3	T__	m_e	ML	3.2										
ROTZ	4.32	269.9	Sg	05:47:02.558	-0.7	T__	m_e	ML	3.2										
PLN	4.34	279.4	Sg	05:47:03.621	-0.4	T__	m_e	ML	3.3										
TRIB	4.35	277.6	Pn	05:45:51.695	-0.3	T__	m_e												

Event 81024001 Belfort/F, S Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/24	01:53:25.10	0.05	0.83	47.6059	6.9389	1.0	0.8	135	5.0f		121	25	018			m i ke	LDG	81024021
2018/10/24	01:53:25.01	0.59	0.50	47.6240	6.9270	4.4	3.3	041	10.0f		22	13	256	0.59	2.70	m i ke	BGR	81024011
2018/10/24	01:53:24.56	0.10	0.12	47.6120	6.9250	1.3	0.8	126	12.0f		23	15	167	0.30	1.32	m i ke	LED	81024001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.4	0.4	2 LDG	81024021
ML	2.7	0.3	27 LDG	81024021
ML	2.0	0.4	11 BGR	81024011
ML	2.3	0.3	14 LED	81024001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BOURR	0.30	136.2	Pg	01:53:30.730	0.2					T__				md_ ML	2.6
BOURR	0.30	136.2	Sg	01:53:35.090	0.4					T__				m__	
CHMF	0.41	207.0	Pg	01:53:32.610	0.1					T__				md_ ML	2.1
CHMF	0.41	207.0	Sg	01:53:38.320	0.4					T__				m__	
ENDD	0.56	79.0	Pg	01:53:35.130	-0.1					T__				m__ ML	1.6
BALST	0.59	117.7	Pg	01:53:36.100	0.3					T__				m__ ML	1.8
ECH	0.62	14.5	Pg	01:53:36.560	0.1					T__				m__ ML	1.5
ECH	0.62	14.5	Sg	01:53:45.020	0.3					T__				m__	
VOGT	0.69	46.5	Pg	01:53:38.120	0.5					T__				m__ ML	2.2
VOGT	0.69	46.5	Sg	01:53:48.330	1.7					__				m__	
KIZ	0.75	62.3	Pg	01:53:38.710	-0.1					T__				m__ ML	2.2
KIZ	0.75	62.3	Sg	01:53:49.240	0.6					T__				m__	
FELD	0.77	69.6	Pg	01:53:39.270	0.0					T__				m__ ML	2.0
FELD	0.77	69.6	Sg	01:53:49.750	0.4					T__				m__	
SULZ	0.81	95.5	Pg	01:53:39.910	0.0					T__				m__ ML	2.2
SULZ	0.81	95.5	Sg	01:53:51.030	0.6					T__				m__	
WLS	0.85	19.5	Pg	01:53:41.040	0.3					T__				m__ ML	2.3
BERGE	0.88	72.4	Pg	01:53:41.290	-0.0					T__				m__ ML	2.0
BERGE	0.88	72.4	Sg	01:53:53.180	0.4					T__				m__	
METMA	0.90	83.1	Pg	01:53:41.909	0.3					__				m_e ML	1.9
METMA	0.90	83.1	Sg	01:53:54.323	1.0					__				m_e	
SLE	1.07	81.1	Pg	01:53:44.530	-0.2					T__				m__ ML	2.9
SLE	1.07	81.1	Sg	01:53:59.387	0.8					__				m_e	
BFO	1.18	52.1	Pg	01:53:46.100	-0.9					__				m_e ML	1.6
BFO	1.18	52.1	Sg	01:54:01.545	-0.8					__				m_e	
OPP	1.22	43.1	Sg	01:54:04.350	0.8					T__				m__ ML	2.3
STEIN	1.31	86.8	Pg	01:53:49.510	0.2					T__				m__ ML	3.2
STEIN	1.31	86.8	Sg	01:54:07.610	1.3					T__				m__	

EMING	1.32	76.9	Pg	01:53:49.560	-0.0	T__	m__ ML	2.3
EMING	1.32	76.9	Sg	01:54:07.232	0.5	---	m_e	
WILA	1.35	97.7	Pn	01:53:49.396	0.8	---	m_e ML	2.6
WILA	1.35	97.7	Sg	01:54:07.490	-0.2	---	m_e	
WALHA	1.49	83.8	Pn	01:53:51.311	0.9	---	m_e ML	2.3
WALHA	1.49	83.8	Sg	01:54:12.531	0.6	---	m_e	
PLONS	1.76	107.8	Pn	01:53:55.545	1.5	---	m_e ML	1.7
UBR	2.15	87.0	Sg	01:54:33.209	0.4	---	m_e	
NORI	2.70	64.4	Sg	01:54:50.923	0.4	---	m_e	

Event 81028001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/28	03:38:38.00	0.43	0.41	51.5809	16.2607	4.8	3.4	065	0.0	0.0	36	9	002			m i sr	ZAMG	81028011
2018/10/28	03:38:38.42	0.29	0.80	51.5810	16.1780	3.3	2.2	037	1.0f		49	30	173	0.74	4.86	m i ki	BGR	81028001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.1	9 ZAMG	81028011
ML	3.3	0.3	15 BGR	81028001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.74	174.4	Pg	03:38:53.102	0.7					T__	32.3			m_e ML	2.6
KSP	0.74	174.4	Sg	03:39:02.937	1.0					T__	4.8			m_e	
DPC	1.23	175.7	Pg	03:39:01.887	0.2					T__	63.5			m_e ML	3.7
DPC	1.23	175.7	Sg	03:39:17.713	0.1					T__	7.7			m_e	
PVCC	1.46	224.5	Pn	03:39:05.283	0.1					T__	7.6			m_e ML	3.6
PVCC	1.46	224.5	Pg	03:39:06.298	0.4					T__	176.2			m_e	
PVCC	1.46	224.5	Sg	03:39:26.098	1.3					T__				m_e	
BRG	1.57	244.1	Pn	03:39:06.394	-0.2					T__	4.2			m_e ML	3.2
BRG	1.57	244.1	Pg	03:39:08.050	0.1					T__	121.0			m_e	
BRG	1.57	244.1	Sg	03:39:28.592	0.3					T__	2.4			m_e	
RUE	1.73	302.2	Pg	03:39:08.641	-2.3					T__	15.5			m_e ML	3.2
RUE	1.73	302.2	Sg	03:39:34.226	1.0					T__	3.8			m_e	
PRU	1.90	213.6	Pn	03:39:11.146	0.0					T__	8.3			m_e	
CLL	2.00	263.4	Pn	03:39:12.075	-0.4					T__	25.6			m_e ML	3.2
CLL	2.00	263.4	Sg	03:39:41.614	-0.3					T__	3.3			m_e	
MORC	2.00	153.9	Pn	03:39:13.087	0.6					T__	19.4			m_e ML	3.5
MORC	2.00	153.9	Sg	03:39:42.083	0.1					T__				m_e	
OKC	2.14	143.7	Sg	03:39:46.307	-0.2					T__	4.5			m_e ML	2.9
VRAC	2.29	173.2	Pn	03:39:17.558	1.2					T__	19.7			m_e ML	2.9
VRAC	2.29	173.2	Sg	03:39:51.000	-0.1					T__	2.8			m_e	
TREC	2.33	191.2	Pn	03:39:17.910	1.0					T__	6.9			m_e ML	3.2
TREC	2.33	191.2	Sg	03:39:51.783	-0.6					T__	2.9			m_e	
KRUC	2.52	176.8	Pn	03:39:20.916	1.3					T__	8.6			m_e ML	3.0
KRUC	2.52	176.8	Sg	03:39:57.954	-0.6					T__	2.8			m_e	
TANN	2.61	245.0	Pn	03:39:21.518	0.7					T__	8.7			m_e ML	3.5
TANN	2.61	245.0	Sg	03:40:00.909	-0.5					T__	4.9			m_e	
OJC	2.66	119.4	Pn	03:39:21.000	-0.4					T__	5.1			m_e	
PLN	2.76	248.1	Pn	03:39:23.219	0.5					T__	7.1			m_e ML	3.4
PLN	2.76	248.1	Sg	03:40:05.776	-0.2					T__	3.9			m_e	
NEUB	2.77	264.0	Sg	03:40:07.862	1.4					T__	4.3			m_e ML	3.9

JAVC	2.88	160.1	Pn	03:39:26.868	2.4	T__	6.6	m_e		
KHC	2.96	215.1	Pn	03:39:26.208	0.7	T__	8.7	m_e		
CKRC	3.01	204.1	Pn	03:39:27.782	1.6	T__	10.7	m_e		
MOX	3.01	253.7	Pn	03:39:26.560	0.3	T__	4.4	m_e	ML	3.6
MOX	3.01	253.7	Sg	03:40:15.336	1.2	T__	6.2	m_e		
MANZ	3.03	239.8	Pn	03:39:27.510	1.1	T__	11.1	m_e		
MANZ	3.03	239.8	Sg	03:40:14.899	0.3	T__	3.8	m_e		
ROTZ	3.10	235.8	Pn	03:39:28.163	0.7	T__	11.1	m_e		
FLT1	3.14	285.8	Sg	03:40:18.031	0.0	T__	4.0	m_e		
GEC2	3.16	211.0	Pn	03:39:29.286	1.1	T__	13.9	m_e		
GEC2	3.16	211.0	Sg	03:40:17.688	-1.2	T__	2.6	m_e		
WET	3.22	222.1	Pn	03:39:29.757	0.7	T__	11.7	m_e		
WET	3.22	222.1	Sg	03:40:19.160	-1.5	T__	2.2	m_e		
CLZ	3.61	276.4	Pn	03:39:35.976	1.7	T__	6.8	m_e		
GRA1	3.67	240.9	Pn	03:39:36.369	1.3	T__	2.2	m_e		
GRA1	3.67	240.9	Sg	03:40:35.666	0.8	T__	3.3	m_e		
NRDL	3.84	286.1	Pn	03:39:39.451	2.0	T__	2.0	m_e		
BSEG	4.26	305.9	Pn	03:39:43.545	0.5	T__	4.4	m_e		
KAST	4.86	268.6	Pn	03:39:52.032	0.8	T__	3.3	m_e		

Event 81030001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/10/30	01:39:20.74	0.29	0.70	51.5580	16.1420	3.3	2.2	024	1.0f		51	26	176	0.72	4.39	m i ki	BGR	81030001

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.3	16 BGR	81030001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.72	172.4	Pg	01:39:34.529	0.2				T__	80.0				m_e	ML 2.6
KSP	0.72	172.4	Sg	01:39:44.306	0.7				T__	5.2				m_e	
DPC	1.21	174.6	Pg	01:39:43.278	-0.3				T__	54.4				m_e	ML 3.7
DPC	1.21	174.6	Sg	01:39:58.908	-0.4				T__	6.5				m_e	
PVCC	1.43	224.5	Pn	01:39:46.799	-0.2				T__	2.2				m_e	ML 3.6
PVCC	1.43	224.5	Pg	01:39:47.560	-0.1				T__	52.6				m_e	
PVCC	1.43	224.5	Sg	01:40:07.441	1.3				T__	6.1				m_e	
BRG	1.54	244.4	Pn	01:39:47.969	-0.6				T__	1.8				m_e	ML 3.2
BRG	1.54	244.4	Pg	01:39:49.439	-0.3				T__	62.0				m_e	
BRG	1.54	244.4	Sg	01:40:09.752	0.1				T__	3.1				m_e	
RUE	1.72	303.2	Pn	01:39:50.156	-0.8				T__	1.7				m_e	ML 3.1
RUE	1.72	303.2	Sg	01:40:15.592	0.2				T__	4.0				m_e	
PRU	1.87	213.4	Pn	01:39:52.673	-0.3				T__	5.9				m_e	
CLL	1.97	263.9	Pn	01:39:53.514	-0.9				T__	14.4				m_e	ML 3.2
CLL	1.97	263.9	Sg	01:40:24.079	0.7				T__	3.0				m_e	
MORC	1.99	153.0	Pn	01:39:54.377	-0.3				T__	16.5				m_e	
OKC	2.14	142.8	Sg	01:40:27.769	-0.9				T__	5.6				m_e	ML 3.0
VRAC	2.27	172.5	Pn	01:39:58.905	0.5				T__	13.6				m_e	
KRUC	2.50	176.2	Pn	01:40:02.325	0.7				T__	7.2				m_e	ML 3.1
KRUC	2.50	176.2	Pg	01:40:06.653	-1.2				T__	5.7				m_e	
KRUC	2.50	176.2	Sg	01:40:39.356	-0.9				T__	2.8				m_e	
TANN	2.58	245.2	Pn	01:40:02.725	0.0				T__	5.8				m_e	ML 3.4
TANN	2.58	245.2	Pg	01:40:08.933	-0.5				T__	7.6				m_e	

TANN	2.58	245.2	Sg	01:40:42.677	-0.1	T__	4.0					m_e	
OJC	2.67	118.7	Pn	01:40:03.732	-0.1	T__	3.2					m_e	
OJC	2.67	118.7	Pg	01:40:10.566	-0.4	T__	8.3					m_e	
OJC	2.67	118.7	Sg	01:40:46.588	1.1	T__	3.5					m_e	
PLN	2.73	248.4	Pn	01:40:04.401	-0.2	T__	2.2					m_e ML	3.3
PLN	2.73	248.4	Pg	01:40:11.860	-0.3	T__	5.1					m_e	
PLN	2.73	248.4	Sg	01:40:46.883	-0.5	T__	3.2					m_e	
NEUB	2.75	264.4	Pg	01:40:12.014	-0.5	T__	12.1					m_e ML	3.9
NEUB	2.75	264.4	Sg	01:40:49.097	1.1	T__	5.5					m_e	
KHC	2.93	215.0	Pn	01:40:07.353	-0.0	T__	6.7					m_e	
CKRC	2.98	203.9	Pn	01:40:08.894	0.8	T__	7.0					m_e	
MOX	2.98	254.0	Pn	01:40:08.000	-0.2	T__	3.2					m_e ML	3.7
MOX	2.98	254.0	Pg	01:40:16.357	-0.6	T__	4.7					m_e	
MOX	2.98	254.0	Sg	01:40:56.551	1.0	T__	7.0					m_e	
MANZ	3.00	239.9	Pn	01:40:09.043	0.7	T__	3.9					m_e ML	3.6
MANZ	3.00	239.9	Pg	01:40:17.431	0.2	T__	2.2					m_e	
MANZ	3.00	239.9	Sg	01:40:56.773	0.9	T__	3.5					m_e	
ROTZ	3.07	235.9	Pn	01:40:09.413	0.1	T__	8.4					m_e	
ROTZ	3.07	235.9	Pg	01:40:18.972	0.4	T__	1.8					m_e	
FLT1	3.12	286.3	Sg	01:40:59.134	-0.7	T__	4.4					m_e ML	3.3
GEC2	3.13	210.9	Pn	01:40:11.051	0.9	T__	6.9					m_e ML	3.5
GEC2	3.13	210.9	Sg	01:40:58.917	-1.3	T__	2.7					m_e	
WET	3.19	222.1	Pn	01:40:11.295	0.4	T__	6.8					m_e ML	3.4
WET	3.19	222.1	Sg	01:41:01.939	-0.1	T__	3.7					m_e	
CLZ	3.59	276.8	Pn	01:40:17.275	1.0	T__	3.1					m_e	
UBBA	3.92	261.5	Pg	01:40:34.540	-0.0	T__	3.8					m_e	
RJOB	4.39	210.8	Pn	01:40:29.011	1.8	T__	3.8					m_e	
RJOB	4.39	210.8	Pg	01:40:43.874	0.4	T__	2.2					m_e	

DATA\_TYPE ARRIVAL: REVIEWED IMS1.0

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