

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 80103001 Baume les Dames/F, ENE of Besancon

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/03	01:23:26.30	0.05	0.55	47.3120	6.5016	1.1	1.0	134	3.0f		95	22	035			m i ke	LDG	80103011
2018/01/03	01:23:26.68	0.66	0.58	47.3230	6.5060	4.4	3.3	051	10.0f		35	17	257	0.81	3.17	m i ke	BGR	80103001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	19 LDG	80103011
ML	2.5	0.3	15 BGR	80103001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.81	88.6	Pg	01:23:42.947	1.0					T__				m_e ML	2.6
BALST	0.81	88.6	Sg	01:23:53.062	0.6					T__				m_e	
ECH	1.00	25.9	Pg	01:23:45.285	-0.2					T__				m_e ML	2.1
ECH	1.00	25.9	Sg	01:23:58.968	0.5					T__				m_e	
SULZ	1.11	78.7	Pg	01:23:47.534	-0.1					T__				m_e ML	2.1
SULZ	1.11	78.7	Sg	01:24:02.444	0.5					T__				m_e	
METMA	1.24	71.1	Sn	01:24:05.038	-0.4					T__				m_e ML	2.2
BERGE	1.25	63.4	Pn	01:23:49.150	-0.4					T__	2.5			m_e ML	2.3
BERGE	1.25	63.4	Pg	01:23:50.653	0.3					T__				m_e	
BERGE	1.25	63.4	Sn	01:24:05.490	-0.3					T__				m_e	
BERGE	1.25	63.4	Sg	01:24:06.902	0.3					T__				m_e	
SLE	1.41	71.0	Pn	01:23:50.783	-0.9					T__	3.3			m_e ML	2.5
SLE	1.41	71.0	Pg	01:23:54.388	1.0					T__				m_e	
SLE	1.41	71.0	Sn	01:24:09.707	0.2					T__				m_e	
SLE	1.41	71.0	Sg	01:24:11.102	-0.5					T__				m_e	
BFO	1.59	49.9	Pn	01:23:53.307	-0.8					T__	1.3			m_e ML	2.2
BFO	1.59	49.9	Sn	01:24:13.324	-0.2					T__				m_e	
BFO	1.59	49.9	Sg	01:24:17.001	-0.1					T__				m_e	
WILA	1.63	85.9	Pg	01:23:57.355	-0.1					T__				m_e ML	2.7
WILA	1.63	85.9	Sn	01:24:15.506	0.9					T__				m_e	
WILA	1.63	85.9	Sg	01:24:18.293	-0.2					T__				m_e	
EMING	1.68	69.2	Pg	01:23:58.496	0.1					T__				m_e ML	2.5
EMING	1.68	69.2	Sn	01:24:15.507	-0.2					T__				m_e	
EMING	1.68	69.2	Sg	01:24:19.440	-0.6					T__				m_e	
WALHA	1.82	75.4	Sn	01:24:19.423	0.4					T__				m_e ML	2.5
WALHA	1.82	75.4	Sg	01:24:23.792	-0.7					T__				m_e	
PLONS	1.97	96.9	Pg	01:24:03.010	-0.9					T__				m_e ML	2.3
PLONS	1.97	96.9	Sn	01:24:23.792	1.1					T__				m_e	
PLONS	1.97	96.9	Sg	01:24:29.064	-0.4					T__				m_e	
WLF	2.35	354.4	Sg	01:24:41.262	-0.2					T__				m_e ML	2.7
UBR	2.46	80.3	Sg	01:24:44.432	-0.4					T__				m_e ML	2.8
OBER	2.57	86.7	Sg	01:24:49.099	0.8					T__				m_e	
NORI	3.09	61.6	Sg	01:25:04.496	-0.3					T__				m_e ML	3.0
MILB	3.11	35.3	Sg	01:25:06.305	0.8					T__				m_e	
TNS	3.17	23.1	Sg	01:25:07.586	0.2					T__				m_e ML	3.2

Event 80103002 Baume les Dames/F, ENE of Besancon

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/03	04:58:54.30	0.08	0.78	47.3216	6.5327	1.9	1.5	118	2.0	0.0	93	22	034			m i ke	LDG	80103012
2018/01/03	04:58:53.96	0.83	0.53	47.3080	6.4640	5.6	4.4	052	10.0f		23	12	287	0.83	3.19	m i ke	BGR	80103002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.8	0.0	2 LDG	80103012
ML	2.9	0.3	12 LDG	80103012
ML	2.4	0.3	11 BGR	80103002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.83	87.6	Pg	04:59:11.029	1.2					T__	8.0			m_e	ML 2.4
BALST	0.83	87.6	Sn	04:59:23.315	0.1					T__	8.1			m_e	
BALST	0.83	87.6	Sg	04:59:21.229	0.6					T__	1.8			m_e	
ECH	1.02	27.0	Pg	04:59:13.593	0.3					T__	20.4			m_e	ML 2.1
ECH	1.02	27.0	Sg	04:59:27.106	0.6					T__	12.0			m_e	
SULZ	1.14	78.2	Sg	04:59:31.217	1.0					T__	2.6			m_e	ML 2.2
METMA	1.27	70.8	Pn	04:59:16.473	-0.6					T__	2.2			m_e	ML 2.0
METMA	1.27	70.8	Pg	04:59:17.830	-0.2					T__	7.6			m_e	
METMA	1.27	70.8	Sn	04:59:33.095	-0.4					T__	1.5			m_e	
METMA	1.27	70.8	Sg	04:59:34.033	-0.5					T__	7.0			m_e	
BERGE	1.29	63.4	Pg	04:59:18.547	0.3					T__	6.3			m_e	ML 2.3
BERGE	1.29	63.4	Sn	04:59:33.720	-0.1					T__	1.7			m_e	
BERGE	1.29	63.4	Sg	04:59:35.024	0.1					T__	8.6			m_e	
SLE	1.44	70.8	Pn	04:59:18.886	-0.5					T__	2.2			m_e	ML 2.3
SLE	1.44	70.8	Sg	04:59:39.144	-0.8					T__	4.6			m_e	
BFO	1.62	50.1	Sn	04:59:41.597	0.0					T__	1.0			m_e	ML 2.2
BFO	1.62	50.1	Sg	04:59:45.247	-0.1					T__	3.3			m_e	
WILA	1.66	85.4	Sg	04:59:46.600	-0.1					T__	3.1			m_e	
EMING	1.71	69.0	Sg	04:59:47.800	-0.6					T__	4.1			m_e	ML 2.5
PLONS	2.00	96.4	Pg	04:59:31.421	-0.3					T__	2.0			m_e	ML 2.3
PLONS	2.00	96.4	Sg	04:59:57.186	-0.4					T__	3.7			m_e	
UBR	2.49	80.1	Sg	05:00:13.792	0.7					T__	2.4			m_e	ML 2.7
TNS	3.19	23.4	Sg	05:00:35.289	-0.2					T__	2.5			m_e	ML 3.0

Event 80103003 Baume les Dames/F, ENE of Besancon

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/03	05:05:45.70	0.07	0.57	47.3180	6.5162	1.5	1.4	115	2.0	0.0	63	16	043			m i ke	LDG	80103013
2018/01/03	05:05:45.03	0.74	0.44	47.2970	6.4460	4.4	3.3	047	10.0f		26	12	288	0.85	3.21	m i ke	BGR	80103003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.6	0.0	2 LDG	80103013
ML	2.6	0.2	13 LDG	80103013
ML	2.3	0.2	10 BGR	80103003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.85	86.9	Pg	05:06:02.490	1.4					T__	6.1			m_e	ML 2.3
BALST	0.85	86.9	Sn	05:06:14.834	0.3					T__	14.2			m_e	
BALST	0.85	86.9	Sg	05:06:12.485	0.4					T__	6.1			m_e	
ECH	1.04	27.3	Pg	05:06:04.913	0.3					T__	10.7			m_e	ML 2.0

ECH	1.04	27.3	Sg	05:06:18.054	-0.0	T__	2.2	m_e		
METMA	1.29	70.5	Pn	05:06:08.032	-0.4	T__	1.3	m_e ML	2.0	
METMA	1.29	70.5	Pg	05:06:08.959	-0.4	T__	4.9	m_e		
METMA	1.29	70.5	Sn	05:06:24.731	-0.2	T__	1.4	m_e		
METMA	1.29	70.5	Sg	05:06:26.330	0.2	T__	6.2	m_e		
BERGE	1.30	63.2	Pn	05:06:08.377	-0.2	T__	1.5	m_e ML	2.2	
BERGE	1.30	63.2	Pg	05:06:09.724	0.1	T__	3.8	m_e		
BERGE	1.30	63.2	Sn	05:06:25.002	-0.2	T__	1.5	m_e		
BERGE	1.30	63.2	Sg	05:06:27.055	0.6	T__	4.4	m_e		
SLE	1.46	70.5	Pn	05:06:10.375	-0.3	T__	1.9	m_e ML	2.2	
SLE	1.46	70.5	Pg	05:06:12.601	0.0	T__	4.8	m_e		
SLE	1.46	70.5	Sn	05:06:28.952	-0.0	T__	1.2	m_e		
SLE	1.46	70.5	Sg	05:06:31.404	-0.1	T__	7.0	m_e		
BFO	1.63	50.1	Pn	05:06:12.720	-0.3	T__	1.0	m_e ML	2.3	
BFO	1.63	50.1	Sn	05:06:32.825	-0.2	T__	1.0	m_e		
BFO	1.63	50.1	Sg	05:06:36.637	-0.4	T__	2.3	m_e		
WILA	1.67	85.1	Sg	05:06:38.810	0.6	T__	2.7	m_e ML	2.5	
EMING	1.73	68.8	Sg	05:06:39.372	-0.6	T__	1.6	m_e ML	2.6	
WALHA	1.86	74.9	Sg	05:06:43.960	-0.4	T__	1.9	m_e ML	2.6	
PLONS	2.01	96.0	Sg	05:06:48.468	-0.5	T__	2.6	m_e ML	2.3	
NORI	3.14	61.5	Sg	05:07:25.260	0.5	T__	1.5	m_e		
TNS	3.21	23.5	Sg	05:07:27.274	0.3	T__	1.6	m_e		

Event 80104002 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/04	10:46:13.70	0.07	0.61	42.6700	19.8800				7.0f		113	38	043			m i ke	LDG	80104022
2018/01/04	10:46:12.00	0.28	0.21	42.4030	19.6060				10.0f			6	357	11.44	12.33	m i ke	BNS	80104012
2018/01/04	10:46:09.22	0.88	0.88	42.3810	20.4330	14.5	12.2	108	10.0f		35	32	317	5.89	11.38	m i ke	BGR	80104002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	5.2	0.4	34 LDG	80104022
ML	5.3		BNS	80104012
ML	5.1	0.3	3 BGR	80104002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	5.89	316.5	Pn	10:47:33.233	-1.7					T__	88.1			m_e	
JAVC	6.76	344.4	Pn	10:47:47.158	0.4					T__	24.4			m_e	
KBA	6.88	315.5	Pn	10:47:47.405	-1.0					T__	132.2			m_e	
MOA	6.98	323.6	Pn	10:47:48.966	-0.8					T__	79.5			m_e ML	5.3
MOA	6.98	323.6	Sn	10:49:01.051	-2.0					T__	2.9			m_e	
KRUC	7.25	338.6	Pn	10:47:51.932	-1.5					T__	9.0			m_e ML	4.7
KRUC	7.25	338.6	Sn	10:49:09.099	-0.1					T__	2.9			m_e	
VRAC	7.42	340.2	Pn	10:47:54.613	-1.1					T__	11.0			m_e	
RJOB	7.60	317.4	Pn	10:47:58.352	0.3					T__	93.7			m_e ML	5.3
RJOB	7.60	317.4	Sn	10:49:17.242	-0.1					T__	3.2			m_e	
MORC	7.66	345.9	Pn	10:47:57.992	-1.0					T__	11.3			m_e	
CKRC	7.73	328.5	Pn	10:48:01.094	1.2					T__	17.0			m_e	
WTTA	7.91	311.1	Pn	10:48:02.202	-0.2					T__	109.1			m_e	
GEC2	7.99	326.3	Pn	10:48:03.130	-0.3					T__	25.6			m_e	
KHC	8.27	327.1	Pn	10:48:06.584	-0.6					T__	27.1			m_e	

DPC	8.46	341.9	Pn	10:48:08.672	-1.1	T__	15.2	m_e
WET	8.57	324.7	Pn	10:48:11.169	-0.1	T__	7.3	m_e
PRU	8.63	333.9	Pn	10:48:13.128	1.1	T__	3.4	m_e
FUR	8.65	315.1	Pn	10:48:11.704	-0.7	T__	5.0	m_e
DAVA	8.94	306.9	Pn	10:48:17.919	1.6	T__	19.2	m_e
UBR	9.01	309.6	Pn	10:48:16.470	-0.8	T__	9.8	m_e
PLONS	9.12	304.5	Pn	10:48:19.060	0.2	T__	33.6	m_e
ROTZ	9.32	325.2	Pn	10:48:19.310	-2.2	T__	4.0	m_e
MANZ	9.53	325.8	Pn	10:48:23.809	-0.5	T__	6.4	m_e
WILA	9.58	305.6	Pn	10:48:24.941	-0.0	T__	5.5	m_e
NKC	9.58	327.7	Pn	10:48:24.196	-0.9	T__	5.4	m_e
WERN	9.66	327.7	Pn	10:48:25.361	-0.7	T__	6.7	m_e
GRA1	9.70	322.1	Pn	10:48:24.710	-1.9	T__	5.1	m_e
GUNZ	9.73	327.9	Pn	10:48:26.589	-0.5	T__	13.0	m_e
WERD	9.81	328.1	Pn	10:48:27.818	-0.3	T__	10.1	m_e
SLE	9.99	306.7	Pn	10:48:28.601	-1.9	T__	20.5	m_e
SULZ	10.11	304.8	Pn	10:48:32.268	0.1	T__	8.0	m_e
BALST	10.28	303.2	Pn	10:48:33.536	-1.0	T__	8.9	m_e
BFO	10.36	309.2	Pn	10:48:35.045	-0.5	T__	16.1	m_e
TNS	11.38	317.7	Pn	10:48:48.120	-1.3	T__	14.6	m_e
KOE	11.86	317.0	Pn	10:48:55.300	-0.7	---		m_e
BGG	11.93	315.5	Pn	10:48:55.500	-1.4	---		m_e
HOBG	12.41	318.4	Pn	10:49:02.700	-0.6	---		m_e
STB	12.42	316.1	Pn	10:49:02.800	-0.7	---		m_e
STB	12.42	316.1	Sn	10:51:12.100	1.4	---		m_e
KLL	12.72	315.4	Pn	10:49:06.600	-1.0	---		m_e
DREG	12.77	315.3	Pn	10:49:07.300	-1.0	---		m_e

Event 80106003 Mittersil/A, Eastern Kitzbuehler Alps

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/06	16:44:35.82	0.13	0.57	47.3602	12.4302	0.9	0.6	166	12.5	1.8	37	13	009			m i uk	ZAMG	80106013
2018/01/06	16:44:36.41	0.35	0.69	47.3800	12.4280	5.6	3.3	005	10.0f		13	10	143	0.43	2.39	m i ke	BGR	80106003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	16 ZAMG	80106013
ML	1.9	0.2	5 BGR	80106003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.43	34.7	Pg	16:44:44.558	-0.2					T__				m_e ML	1.6
WTTA	0.55	258.1	Pg	16:44:46.934	0.0					T__				m_e	
KBA	0.69	115.5	Pg	16:44:49.439	-0.1					T__				m_e	
KBA	0.69	115.5	Sg	16:44:58.473	-0.1					T__				m_e	
MOA	1.32	68.6	Pg	16:45:01.183	-0.2					T__				m_e	
MOA	1.32	68.6	Sg	16:45:19.070	0.5					T__				m_e	
OBER	1.45	271.9	Sg	16:45:22.954	0.5					T__				m_e ML	1.6
UBR	1.59	281.7	Sg	16:45:27.678	0.5					T__				m_e ML	2.1
GEC2	1.69	29.7	Pg	16:45:07.249	-1.1					T__				m_e ML	2.0
GEC2	1.69	29.7	Sn	16:45:27.146	1.3					T__				m_e	
WET	1.79	9.5	Sn	16:45:28.680	0.6					T__				m_e ML	2.1
NORI	1.80	318.7	Sg	16:45:32.960	-0.8					T__				m_e	

ROTZ 2.39 356.6 Pg 16:45:20.670 -0.8

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Event 80108001 E of Groningen/NL

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/08	14:00:52.30	0.00	0.48	53.3600	6.7500				3.0f		57	27	095			m i ke	LDG	80108041
2018/01/08	14:00:52.00	0.35	0.21	53.4060	6.5650				3.0f			10	341	2.07	3.31	m i ki	BNS	80108031
2018/01/08	14:00:50.70		1.42	53.4400	6.5600				5.0		27	14	297	1.35	3.42	m i ki	BUG	80108021
2018/01/08	14:00:52.00			53.3630	6.7510				3.0							m i ki	KNMI	80108011
2018/01/08	14:00:52.20	0.68	0.63	53.3890	6.6900	13.3	4.4	106	3.0f		11	9	212	1.06	3.35	m i ki	BGR	80108001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.2	13 LDG	80108041
ML	3.1		BNS	80108031
MD	3.9	0.5	12 BUG	80108021
ML	3.8	0.3	10 BUG	80108021
ML	3.4		KNMI	80108011
ML	3.2	0.1	7 BGR	80108001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
HLG	1.06	41.1	Pg	14:01:13.554	1.3					T__				m_e	ML 3.1
HLG	1.06	41.1	Sg	14:01:27.772	1.8					T__				m_e	
IBBN	1.26	148.8	Pg	14:01:16.229	0.3					T__				m_e	ML 3.4
IBBN	1.26	148.8	Sg	14:01:33.693	1.4					T__				m_e	
IBBS	1.28	149.5	Pn	14:01:16.500	0.3					---				m__	ML 3.5
IBBS	1.28	149.5	Pg	14:01:17.200	0.9					---				m__	
IBBS	1.28	149.5	Sg	14:01:34.200	1.4					---		1.7		m__	
IBBE	1.28	148.1	Pn	14:01:16.600	0.4					---				m__	ML 3.6
IBBE	1.28	148.1	Pg	14:01:17.100	0.8					---				m__	
IBBE	1.28	148.1	Sg	14:01:33.700	0.9					---		2.3		m__	
WTSB	1.42	177.3	Pn	14:01:17.560	-0.7					T__				m_e	
ZERL	1.77	176.4	Pn	14:01:22.800	-0.1					---				m__	ML 4.1
ZERL	1.77	176.4	Pg	14:01:27.100	1.5					---				m__	
ZERL	1.77	176.4	Sn	14:01:48.400	3.6					---		2.3		m__	
ZER3	1.78	177.0	Pn	14:01:22.700	-0.3					---				m__	ML 3.4
ZER3	1.78	177.0	Pg	14:01:26.700	1.0					---				m__	
ZER3	1.78	177.0	Sn	14:01:49.200	4.2					---		0.8		m__	
ZER1	1.80	177.3	Pn	14:01:23.400	0.1					---				m__	ML 3.7
ZER1	1.80	177.3	Pg	14:01:26.400	0.3					---				m__	
ZER1	1.80	177.3	Sn	14:01:48.000	2.6					---		1.6		m__	
BULI	1.97	169.6	Pn	14:01:25.200	-0.4					---				m__	ML 3.5
BULI	1.97	169.6	Pg	14:01:29.900	0.6					---				m__	
BULI	1.97	169.6	Sn	14:01:58.000	8.6					---		0.8		m__	
BTEZ	1.97	169.3	Pn	14:01:25.300	-0.4					---				m__	ML 3.3
BTEZ	1.97	169.3	Pg	14:01:29.700	0.3					---				m__	
BUG	1.98	169.5	Pn	14:01:25.200	-0.6					---				m__	ML 3.2
BUG	1.98	169.5	Pg	14:01:29.936	0.4					T__				m_e	
BUG	1.98	169.5	Sn	14:01:55.200	5.5					---		0.5		m__	
BKLB	1.98	169.5	Pn	14:01:25.300	-0.5					---				m__	ML 3.3
BPFI	2.00	170.3	Pn	14:01:25.500	-0.5					---				m__	ML 3.5
BPFI	2.00	170.3	Pg	14:01:30.200	0.3					---				m__	

LAUG	2.04	175.5	Pg	14:01:26.024	-4.7	---	mce												
NRDL	2.25	112.1	Pn	14:01:29.336	-0.0	T_	m_e												
KAST	2.43	153.5	Pn	14:01:32.900	1.1	T_	m_e	ML	3.1										
HOBG	2.44	170.4	Pn	14:01:31.700	-0.3	---	m_e												
BNS	2.44	172.8	Pn	14:01:32.000	-0.0	---	m_e												
CLZ	2.72	123.2	Pn	14:01:35.832	0.1	T_	m_e	ML	3.1										
DREG	2.74	186.1	Pn	14:01:35.400	-0.7	---	mce												
KLL	2.75	185.0	Pn	14:01:35.800	-0.4	---	m_e												
STB	2.80	178.0	Pn	14:01:36.000	-0.8	---	m_e												
MEM	2.81	188.8	Pn	14:01:36.450	-0.6	T_	m_e	ML	3.3										
KOE	3.03	167.4	Pn	14:01:40.100	0.1	---	m_e												
HILG	3.10	180.1	Pn	14:01:41.500	0.6	---	m_e												
BGG	3.21	172.6	Pn	14:01:42.100	-0.3	---	m_e												
NAST	3.27	166.8	Pn	14:01:43.300	-0.0	---	m_e												
TNS	3.35	160.4	Pn	14:01:45.043	0.7	T_	m_e	ML	3.4										

Event 80113002 Kaub/Rhine

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/13	12:32:08.50	0.33	0.45	50.0759	7.7426	5.4	3.4	060	18.0f		18	8	277			m i ke	LDG	80113052
2018/01/13	12:32:05.60	0.39	0.21	50.1270	7.9290				18.0	3.7		16	215			m i ke	GDNRW	80113042
2018/01/13	12:32:06.10	0.37	0.11	50.1400	7.9440				14.5	1.3		8	204	0.08	1.21	m i ke	BNS	80113032
2018/01/13	12:32:05.60		0.51	50.1300	7.9300				17.0	2.0	44	22	069			m i uk	HLNUG	80113022
2018/01/13	12:32:05.78	0.62	0.29	50.1500	7.8920	8.9	3.3	153	10.0f		9	6	199	0.35	1.03	m i ke	BGR	80113012
2018/01/13	12:32:05.99	0.12	0.16	50.1290	7.9140	1.2	1.0	096	18.0	2.0	23	15	055	0.02	1.05	m i ke	LED	80113002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.1	6 LDG	80113052
ML	1.6		GDNRW	80113042
ML	1.5		BNS	80113032
ML	1.8	0.3	22 HLNUG	80113022
ML	1.7	0.4	2 BGR	80113012
ML	1.7	0.1	13 LED	80113002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GWBD	0.02	207.0	Pg	12:32:09.200	0.1					T_				md_ ML	1.0
GWBD	0.02	207.0	Sg	12:32:11.060	-0.1					T_				m_	
NAST	0.07	332.7	Pg	12:32:09.263	-0.1					---				mdi	
NAST	0.07	332.7	Sg	12:32:11.069	-0.6					---		171.3	0.21	m_e	
GWBE	0.17	97.4	Pg	12:32:10.350	-0.1					T_				md_ ML	2.1
GWBE	0.17	97.4	Sg	12:32:12.900	-0.6					---		1.1		m_	
FACH	0.23	12.6	Pg	12:32:11.080	-0.3					T_				mc_ ML	1.4
FACH	0.23	12.6	Sg	12:32:14.380	-0.6					T_				m_	
HECH	0.29	125.6	Pg	12:32:12.300	0.1					---				m_ ML	2.2
HECH	0.29	125.6	Sg	12:32:17.000	0.5					---		0.7		m_	
KOE	0.32	338.6	Pg	12:32:12.692	-0.0					---				m_e	
BODE	0.33	131.4	Pg	12:32:12.690	-0.2					T_				md_ ML	1.6
BODE	0.33	131.4	Sg	12:32:17.370	-0.3					T_				m_	
ABH	0.34	223.7	Pg	12:32:12.960	-0.2					T_				mc_ ML	1.5
ABH	0.34	223.7	Sg	12:32:16.983	-1.0					---				m_e	
GWBC	0.35	40.6	Pg	12:32:13.130	-0.1					T_				mc_ ML	1.7
GWBC	0.35	40.6	Sg	12:32:17.600	-0.6					---		0.2		m_	

TNS	0.35	74.5	Pg	12:32:13.100	-0.2	T__		mc_ ML	1.7
TNS	0.35	74.5	Sg	12:32:17.760	-0.6	T__		m__	
BGG	0.38	282.0	Pg	12:32:13.874	0.1	___		m_e	
OCHT	0.41	300.7	Pg	12:32:13.710	-0.6	T__		md_ ML	1.7
BHE	0.52	295.8	Pg	12:32:16.030	-0.2	___		m_e	
BHE	0.52	295.8	Sg	12:32:23.400	0.1	___	49.8	0.19	m_e
IMS	0.54	180.9	Pg	12:32:16.290	-0.2	T__		mc_ ML	1.6
IMS	0.54	180.9	Sg	12:32:23.670	-0.1	T__		m__	
DREI	0.55	101.2	Pg	12:32:16.200	-0.5	___		m__ ML	1.7
DREI	0.55	101.2	Sg	12:32:23.200	-0.9	___	0.1	m__	
WBB	0.56	120.5	Pg	12:32:16.550	-0.4	T__		m__ ML	1.6
WBB	0.56	120.5	Sg	12:32:23.800	-0.7	___	0.0	m__	
WBB	0.56	120.5	SmS	12:32:25.890	-1.5	T__		m__	
LAGB	0.57	294.3	Pg	12:32:17.300	0.2	___		m__ ML	1.7
LAGB	0.57	294.3	Sg	12:32:24.900	0.1	___	0.1	m__	
MESS	0.60	112.3	Pg	12:32:16.800	-0.8	___		m__ ML	1.9
MESS	0.60	112.3	Sg	12:32:24.800	-0.8	___	0.2	m__	
BIW	0.60	355.4	Pg	12:32:17.320	-0.4	T__		mc_ ML	1.8
BIW	0.60	355.4	SmS	12:32:27.560	-1.1	T__		m__	
ERNH	0.63	123.3	Pg	12:32:17.900	-0.4	___		m__	
ERNH	0.63	123.3	Sg	12:32:26.100	-0.6	___	0.4	m__	
AHRW	0.68	307.9	Pg	12:32:19.300	0.2	___		m__ ML	1.6
AHRW	0.68	307.9	Sg	12:32:27.200	-0.8	___	0.1	m__	
WBA	0.75	128.9	Pg	12:32:19.750	-0.7	T__		m__ ML	1.8
WBA	0.75	128.9	Sg	12:32:29.930	-0.5	T__		m__	
TDN	0.76	306.2	Pg	12:32:20.290	-0.4	___		m_e	
TDN	0.76	306.2	Sg	12:32:30.530	-0.2	___	20.1	0.20	m_e
WBS	0.79	329.6	Sg	12:32:30.950	-0.6	___	23.0	0.23	m_e
HILG	0.81	282.1	Pg	12:32:21.419	-0.1	___		m_e	
STB	0.83	304.6	Pg	12:32:21.384	-0.5	___		m_e	
EBSD	0.84	46.3	Pg	12:32:22.000	-0.0	___		m__ ML	1.9
EBSD	0.84	46.3	Sg	12:32:33.500	0.4	___	0.1	m__	
RIVT	0.85	240.8	Pg	12:32:21.280	-1.0	T__		m__ ML	2.1
RIVT	0.85	240.8	Sg	12:32:32.601	-0.9	___		m_e	
LOH	0.88	274.0	Pg	12:32:22.240	-0.7	___		m_e	
LOH	0.88	274.0	Sg	12:32:34.160	-0.4	___	21.0	0.23	m_e
WBG	0.92	86.9	Pg	12:32:23.200	-0.3	___		m__ ML	1.6
WBG	0.92	86.9	Sg	12:32:35.200	-0.4	___	0.0	m__	
HOBG	0.93	336.9	Pg	12:32:23.144	-0.6	___		m_e	
MILB	0.94	108.2	Pn	12:32:23.340	-0.3	T__		m__ ML	2.2
MILB	0.94	108.2	Sg	12:32:35.500	-0.7	___	0.1	m__	
GWBF	1.00	52.8	Pg	12:32:24.900	-0.2	___		m__ ML	1.8
GWBF	1.00	52.8	Sg	12:32:38.200	-0.0	___	0.1	m__	
ROTT	1.01	171.3	Pg	12:32:25.596	0.3	___		m_e	
ROTT	1.01	171.3	Sg	12:32:38.685	0.2	___		m_e	
BLI	1.05	276.3	Sn	12:32:38.290	-0.4	T__		m__ ML	1.7
PLH	1.12	322.0	Sg	12:32:40.220	-1.6	___		m_e	
KAST	1.12	16.3	Pg	12:32:26.100	-1.2	___		m__ ML	1.9
KAST	1.12	16.3	Sg	12:32:39.500	-2.4	___	0.1	m__	
ENTS	1.16	344.2	Sg	12:32:41.210	-1.9	___		m_e	
DREG	1.20	297.1	Pg	12:32:26.679	-2.1	___		m_e	
SORT	1.22	1.7	Sg	12:32:42.630	-2.5	___	14.5	0.24	m_e
SIND	1.34	124.9	Pg	12:32:31.400	-0.1	___		m__ ML	1.8
SIND	1.34	124.9	Sg	12:32:48.500	-0.5	___	0.0	m__	

HROE 1.49 73.3 Pn 12:32:34.600 3.5

m\_\_ ML 1.7

Event 80116006 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
2018/01/16	03:23:41.60	0.06	0.50	49.0538	8.2058	1.1	1.0	100	9.0f		76	14	064			m i ke	LDG	80116046
2018/01/16	03:23:41.10	0.40	0.57	49.0500	8.2200				11.0	4.0	18	10	146	0.17	1.86	m i ke	BUG	80116036
2018/01/16	03:23:42.60		0.35	49.1300	8.2500				11.0	4.0	30	17	209			m i uk	HLNUG	80116026
2018/01/16	03:23:41.48	0.16		49.0670	8.2130	2.2	1.1	074	13.3	1.8	42	23	075	0.08	2.16	m i ke	BGR	80116016
2018/01/16	03:23:41.73	0.08	0.13	49.0570	8.2250	1.3	0.7	048	9.0	2.0	45	30	083	0.09	1.48	m i ke	LED	80116006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.3	0.1	2 LDG	80116046
ML	2.6	0.3	15 LDG	80116046
MD	2.5	0.2	6 BUG	80116036
ML	2.6	0.2	7 BUG	80116036
ML	2.1	0.3	16 HLNUG	80116026
ML	2.2	0.3	9 BGR	80116016
ML	2.2	0.2	25 LED	80116006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ROTT	0.09	325.3	Pg	03:23:44.070	0.1					T__				mc_ ML	2.3
ROTT	0.09	325.3	Sg	03:23:46.200	0.7					T__				m__	
INSH	0.10	336.8	Pg	03:23:44.360	0.2					T__				m__	
LDE	0.13	335.3	Pg	03:23:44.990	0.4					T__				mc_	
LDE	0.13	335.3	Sg	03:23:47.363	0.7					---				m_e	
LDO	0.15	347.3	Pg	03:23:45.260	0.2					T__				mc_ ML	1.8
TMO22	0.16	350.8	Pg	03:23:45.500	0.3					---				m__	
TMO22	0.16	350.8	Sg	03:23:49.100	1.5					---		1.0		m__	
TMO55	0.19	336.2	Pg	03:23:45.790	0.2					T__				mc_	
TMO55	0.19	336.2	Sg	03:23:49.250	1.1					T__				m__	
KTD	0.28	340.7	Pg	03:23:47.220	0.0					T__				m__ ML	2.2
KTD	0.28	340.7	Sg	03:23:51.260	0.3					T__				m__	
BRET	0.31	98.0	Pg	03:23:47.780	0.1					T__				mc_ ML	1.8
BRET	0.31	98.0	Sg	03:23:51.980	0.2					T__				m__	
BABA	0.34	183.7	Pg	03:23:48.350	0.1					T__				m__ ML	1.5
BABA	0.34	183.7	Sg	03:23:53.060	0.3					T__				m__	
GALG	0.45	126.4	Pg	03:23:50.450	0.0					T__				mc_ ML	1.9
GALG	0.45	126.4	Sg	03:23:56.610	0.2					T__				m__	
GALG	0.45	126.4	SmS	03:24:00.500	-1.8					T__				m__	
OPP	0.56	182.6	Pg	03:23:52.380	-0.0					T__				md_ ML	2.0
OPP	0.56	182.6	SmS	03:24:02.960	-1.8					T__				m__	
STR	0.56	213.3	PmP	03:23:54.260	-1.2					T__				m__	
IMS	0.58	338.6	Pg	03:23:52.490	-0.2					T__				m__ ML	1.8
IMS	0.58	338.6	Sg	03:24:00.310	0.1					T__				m__	
STU	0.70	113.9	Sg	03:24:04.610	0.6					T__				m__ ML	2.5
WBA	0.71	32.7	Pg	03:23:55.300	0.1					---				m__ ML	2.0
WBA	0.71	32.7	Sg	03:24:04.300	-0.1					---		0.2		m__	
BFO	0.73	174.5	Pg	03:23:55.500	-0.1					T__				m__ ML	2.1
BFO	0.73	174.5	Sg	03:24:05.401	0.3					---				m_e	
A100A	0.76	142.3	Pg	03:23:56.500	0.4					---				m__ ML	2.4
A100A	0.76	142.3	Sg	03:24:06.600	0.6					---		0.3		m__	



ERNH	0.79	24.2	Pg	03:23:56.400	-0.4	---	m__ ML	2.2
ERNH	0.79	24.2	Sg	03:24:06.700	-0.4	---	m__	
WBB	0.83	19.7	Pg	03:23:57.600	0.1	---	m__ ML	1.6
WBB	0.83	19.7	Sg	03:24:08.500	0.1	---	m__	
BODE	0.86	3.1	Pg	03:23:58.030	0.1	T__	m__ ML	2.1
BODE	0.86	3.1	Sg	03:24:09.967	0.9	---	m_e	
WLS	0.86	222.1	PmP	03:23:58.850	-1.3	T__	m__ ML	1.8
MESS	0.91	22.6	Pg	03:23:59.100	0.1	---	m__ ML	1.9
MESS	0.91	22.6	Sg	03:24:10.500	-0.4	---	m__	
URBA	0.92	103.3	Pn	03:23:58.930	-1.3	T__	m__ ML	2.5
ABH	0.93	332.2	Pg	03:23:59.270	-0.1	T__	mc__ ML	2.1
ABH	0.93	332.2	Sg	03:24:11.415	-0.1	---	m_e	
SIND	0.95	71.6	Pg	03:24:00.100	0.4	---	m__ ML	2.4
SIND	0.95	71.6	Sn	03:24:12.050	-1.8	T__	m__	
SIND	0.95	71.6	Sg	03:24:13.100	1.1	---	m__	
A101B	0.96	167.0	Pg	03:24:00.200	0.3	---	m__ ML	2.3
A101B	0.96	167.0	Sg	03:24:12.600	0.2	---	m__	
MSS	1.00	150.7	Sn	03:24:13.710	-1.4	T__	m__	
A109A	1.02	126.5	Pg	03:24:01.600	0.6	---	m__ ML	2.5
A109A	1.02	126.5	Sg	03:24:14.900	0.7	---	m__	
A106B	1.03	106.6	Pg	03:24:01.200	0.0	---	m__ ML	2.8
A106B	1.03	106.6	Sg	03:24:14.500	-0.0	---	m__	
MILB	1.04	41.6	Pg	03:24:01.192	-0.2	---	m_e ML	2.5
MILB	1.04	41.6	Sg	03:24:14.113	-0.7	---	m_e	
GWBE	1.05	358.4	Pg	03:24:02.000	0.4	---	m__ ML	1.9
GWBE	1.05	358.4	Sg	03:24:15.000	-0.2	---	m__	
DEGG	1.08	114.1	Pg	03:24:02.240	0.1	T__	m__ ML	2.4
DEGG	1.08	114.1	Sg	03:24:16.620	0.6	T__	m__	
GWBD	1.08	348.9	Pg	03:24:02.700	0.6	---	m__ ML	1.9
GWBD	1.08	348.9	Sg	03:24:15.900	-0.2	---	m__	
ECH	1.10	220.4	Pn	03:24:01.006	-1.6	---	m_e ML	1.8
ECH	1.10	220.4	Pg	03:24:02.460	0.0	T__	m__	
ECH	1.10	220.4	Sn	03:24:15.380	-1.9	T__	m__	
ECH	1.10	220.4	Sg	03:24:16.777	0.1	---	m_e	
KIZ	1.12	190.6	Pn	03:24:01.460	-1.5	T__	m__ ML	2.3
KIZ	1.12	190.6	Pg	03:24:02.560	-0.3	T__	m__	
KIZ	1.12	190.6	Sg	03:24:17.820	0.4	T__	m__	
A102A	1.12	144.5	Pg	03:24:03.000	0.1	---	m__ ML	2.4
A102A	1.12	144.5	Sg	03:24:17.400	-0.0	---	m__	
GUT	1.15	148.8	Pg	03:24:03.670	0.2	T__	m__ ML	2.5
RIVT	1.15	305.0	Pg	03:24:03.120	-0.4	T__	m__ ML	2.4
RIVT	1.15	305.0	Sg	03:24:18.122	-0.3	---	m_e	
TNS	1.17	7.0	Pg	03:24:03.800	-0.1	T__	m__ ML	2.1
TNS	1.17	7.0	Sg	03:24:19.260	0.1	---	m_e	
BERGE	1.19	181.5	Pn	03:24:02.710	-1.1	T__	m__ ML	2.2
BERGE	1.19	181.5	Pg	03:24:03.957	-0.2	---	m_e	
BERGE	1.19	181.5	Sn	03:24:17.390	-2.0	T__	m__	
BERGE	1.19	181.5	Sg	03:24:19.740	0.3	T__	m__	
EMING	1.23	160.2	Sg	03:24:21.606	0.6	---	m_e	
A108A	1.28	123.2	Pg	03:24:05.900	0.1	---	m__	
A108A	1.28	123.2	Sg	03:24:21.700	-0.6	---	m__	
SLE	1.30	172.0	Pn	03:24:04.460	-0.9	T__	m__ ML	2.2
SLE	1.30	172.0	Sn	03:24:20.488	-1.7	---	m_e	
FACH	1.31	353.5	Pg	03:24:07.200	0.8	---	m__ ML	2.1



MILB	2.27	48.0	Pg	18:14:04.450	-0.0	T__	m_e
MILB	2.27	48.0	Sg	18:14:34.076	0.2	T__	m_e
UBR	2.39	104.6	Pg	18:14:07.208	0.5	T__	m_e
UBR	2.39	104.6	Sg	18:14:38.110	0.5	T__	m_e
NORI	2.65	80.2	Sg	18:14:46.398	0.7	T__	m_e

Event 80117003 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/17	10:22:19.70	0.12	0.71	46.3100	13.5700				5.0f		130	34	064			m i ke	LDG	80117023
2018/01/17	10:22:19.83	0.14	1.38	46.3131	13.5879	1.1	0.8	046	12.6	2.0	69	7	005			m i fe	ZAMG	80117013
2018/01/17	10:22:23.87	0.39	1.45	46.3920	13.6230	8.9	4.4	004	10.0f		42	34	212	0.65	5.90	m i ke	BGR	80117003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.8	0.3	38 LDG	80117023
ML	4.1	0.2	21 ZAMG	80117013
ML	4.1	0.4	25 BGR	80117003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	0.65	79.3	Pg	10:22:33.703	-2.5					T__				m_e	ML 3.7
OBKA	0.65	79.3	Sg	10:22:43.944	-0.7					T__				m_e	
KBA	0.71	344.6	Pg	10:22:35.389	-2.0					T__				m_e	ML 3.2
KBA	0.71	344.6	Sg	10:22:46.085	-0.6					T__				m_e	
MOA	1.52	16.5	Pg	10:22:51.572	-1.0					T__				m_e	ML 3.6
MOA	1.52	16.5	Sg	10:23:13.825	1.5					T__				m_e	
ARSA	1.56	55.9	Pg	10:22:50.829	-2.5					T__				m_e	ML 3.3
ARSA	1.56	55.9	Sg	10:23:12.488	-1.0					T__				m_e	
WTTA	1.61	303.4	Pg	10:22:51.193	-3.2					T__				m_e	ML 4.0
WTTA	1.61	303.4	Sg	10:23:13.733	-1.5					T__				m_e	
SOP	2.38	56.1	Pn	10:23:02.504	0.5					T__				m_e	
FUR	2.38	318.9	Pg	10:23:06.634	-2.2					T__				m_e	
CKRC	2.47	10.5	Pn	10:23:03.533	0.3					T__				m_e	ML 3.9
CKRC	2.47	10.5	Pg	10:23:07.354	-3.1					T__				m_e	
CKRC	2.47	10.5	Sg	10:23:41.195	-1.2					T__				m_e	
DAVA	2.71	290.6	Pn	10:23:07.190	0.7					T__				m_e	ML 4.1
KHC	2.74	359.4	Pn	10:23:07.790	0.9					T__				m_e	
WET	2.80	350.0	Pn	10:23:08.126	0.4					T__				m_e	ML 3.9
TREC	3.16	22.6	Pn	10:23:12.817	0.2					T__				m_e	ML 3.9
KRUC	3.26	33.9	Pn	10:23:13.560	-0.3					T__				m_e	ML 3.6
ROTZ	3.50	344.9	Pn	10:23:17.259	-0.0					T__				m_e	
VRAC	3.53	33.3	Pn	10:23:17.845	0.2					T__				m_e	ML 3.7
PRU	3.65	9.3	Pn	10:23:19.526	0.3					T__				m_e	
JAVC	3.68	46.4	Pn	10:23:21.130	1.5					T__				m_e	
MANZ	3.73	344.9	Pn	10:23:20.352	-0.0					T__				m_e	ML 4.1
NKC	3.92	348.9	Pn	10:23:23.762	0.9					T__				m_e	
NKC	3.92	348.9	Pg	10:23:36.330	-1.4					T__				m_e	
BFO	4.07	300.3	Pn	10:23:24.694	-0.3					T__				m_e	ML 4.0
TANN	4.10	349.6	Pn	10:23:25.690	0.4					T__				m_e	ML 4.2
VYHS	4.10	57.3	Pn	10:23:24.685	-0.7					T__				m_e	
PVCC	4.18	8.3	Pn	10:23:26.732	0.3					T__				m_e	ML 4.7
PLN	4.21	347.2	Pn	10:23:27.290	0.5					T__				m_e	ML 4.3

MORC	4.28	36.3	Pn	10:23:28.046	0.3	T__	m_e	ML	4.4
DPC	4.34	23.4	Pn	10:23:28.197	-0.5	T__	m_e	ML	4.9
MOX	4.46	343.4	Pn	10:23:30.157	-0.0	T__	m_e	ML	4.1
BRG	4.49	2.6	Pn	10:23:30.843	0.3	T__	m_e	ML	4.2
OKC	4.58	39.6	Pn	10:23:32.302	0.4	T__	m_e	ML	3.6
CLL	4.93	355.5	Pn	10:23:37.135	0.5	T__	m_e	ML	4.4
NEUB	4.97	346.5	Pn	10:23:38.265	1.2	T__	m_e	ML	4.7
UBBA	5.03	332.9	Pn	10:23:39.955	2.0	T__	m_e		
TNS	5.15	320.0	Pn	10:23:40.162	0.6	T__	m_e	ML	4.4
KAST	5.90	326.4	Pn	10:23:51.190	1.4	T__	m_e	ML	4.3

Event 80117001 Arlberg/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/17	19:07:19.50	0.18	0.81	47.1500	10.0100				1.0f		171	40	041			m i ke	LDG	80117051
2018/01/17	19:07:21.90	0.39	0.21	47.1630	10.0320				10.0f			9	350	3.52	4.65	m i ke	BNS	80117041
2018/01/17	19:07:20.00		0.63	47.1500	10.0000				12.0	3.0	46	27	272	0.54	4.70	m i ke	BUG	80117031
2018/01/17	19:07:19.71	0.31	0.32	47.1420	10.0740	3.5	1.7	342	10.0f		67	38	219	0.20	2.38	m i ke	LED	80117021
2018/01/17	19:07:19.24	0.16	2.10	47.1562	10.0314	1.6	1.2	003	7.2	0.0	64	13	005			m i fe	ZAMG	80117011
2018/01/17	19:07:21.19	0.21	1.25	47.1970	10.0140	3.3	2.2	164	10.0f		70	36	150	0.13	4.95	m i ke	BGR	80117001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.3	0.3	45 LDG	80117051
ML	4.0		BNS	80117041
MD	4.2	0.2	16 BUG	80117031
ML	4.8	0.1	14 BUG	80117031
ML	4.2	0.2	36 LED	80117021
ML	3.9	0.2	21 ZAMG	80117011
ML	4.2	0.3	25 BGR	80117001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	0.13	314.7	Pg	19:07:22.402	-1.7					T__				m_e	ML 4.1
DAVA	0.13	314.7	Sg	19:07:24.669	-1.5					T__				m_e	
OBER	0.28	42.0	Pg	19:07:25.614	-1.2					T__				m_e	ML 3.5
OBER	0.28	42.0	Sg	19:07:29.981	-0.6					T__				m_e	
LIENZ	0.37	285.9	Sg	19:07:33.830	0.6					___				m__	
PLONS	0.46	251.3	Pg	19:07:27.826	-2.1					T__				m_e	ML 3.3
PLONS	0.46	251.3	Sg	19:07:34.526	-1.4					T__				m_e	
UBR	0.49	7.5	Pg	19:07:30.605	0.1					T__				m_e	ML 4.2
UBR	0.49	7.5	Sg	19:07:39.310	2.4					T__				m_e	
TETT	0.54	329.8	Pg	19:07:31.210	-0.2					___				md_	ML 4.4
TETT	0.54	329.8	Sg	19:07:40.360	1.9					___				m__	
RETA	0.58	59.9	Pg	19:07:30.270	-2.0					___				m_e	ML 3.2
A103C	0.68	330.5	Pg	19:07:33.900	-0.3					___				m__	ML 4.6
A103C	0.68	330.5	Sg	19:07:46.200	3.1					___		12.8		m__	
WILA	0.78	286.6	Pg	19:07:35.317	-0.7					T__				m_e	ML 4.4
WILA	0.78	286.6	Sg	19:07:47.256	1.1					T__				m_e	
PART	0.80	67.8	Pg	19:07:34.322	-2.1					T__				m_e	
WALHA	0.82	313.0	Pg	19:07:36.380	-0.3					___				md_	ML 4.2
WALHA	0.82	313.0	Sg	19:07:48.830	1.5					___				m__	
A107D	0.83	8.4	Pg	19:07:37.000	0.1					___				m__	ML 4.8

A107D	0.83	8.4	Sg	19:07:51.500	3.8	---	9.6	m_	
A107C	0.83	8.6	Pg	19:07:37.300	0.3	---		m_ ML	4.9
A107C	0.83	8.6	Sg	19:07:52.800	5.0	---	10.6	m_	
A104A	0.89	346.8	Pg	19:07:37.900	-0.1	---		m_ ML	4.5
A104A	0.89	346.8	Sg	19:07:51.400	1.8	---	29.2	m_	
STEIN	0.91	301.8	Pg	19:07:37.880	-0.5	---		md_ ML	4.3
STEIN	0.91	301.8	Sg	19:07:51.440	1.3	---		m_	
A104C	0.96	345.6	Pg	19:07:39.100	-0.3	---		m_ ML	4.2
A104C	0.96	345.6	Sg	19:07:53.300	1.5	---	12.9	m_	
EMING	1.05	312.0	Pg	19:07:40.380	-0.7	---		md_ ML	4.1
EMING	1.05	312.0	Sg	19:07:56.130	1.4	---		m_	
GUT	1.06	325.6	Pg	19:07:40.590	-0.7	---		md_ ML	4.1
A102A	1.09	330.1	Pg	19:07:41.800	-0.0	---		m_ ML	4.1
A102A	1.09	330.1	Sg	19:07:57.500	1.5	---	10.4	m_	
ZWI	1.13	340.4	Pg	19:07:42.010	-0.5	---		md_ ML	3.8
A108A	1.16	354.0	Pg	19:07:42.560	-0.5	---		md_ ML	4.2
A108A	1.16	354.0	Sg	19:07:59.700	1.6	---	11.6	m_	
SLE	1.17	299.5	Pg	19:07:42.593	-0.8	T_		m_e ML	4.2
FREU	1.19	330.7	Pn	19:07:43.160	-0.1	---		md_ ML	3.7
FREU	1.19	330.7	Sn	19:08:00.170	1.3	---		m_	
MSS	1.21	324.6	Pn	19:07:43.430	-0.1	---		m_e ML	4.3
MSS	1.21	324.6	Sn	19:08:01.110	1.9	---		m_	
FUR	1.29	40.9	Pg	19:07:44.915	-0.6	T_		m_e ML	4.6
FUR	1.29	40.9	Sg	19:08:03.600	1.5	---	5.9	m_	
METMA	1.30	294.0	Pn	19:07:44.480	-0.2	---		md_ ML	4.1
METMA	1.30	294.0	Sg	19:08:02.420	-0.1	---		m_	
A109A	1.30	343.6	Pg	19:07:44.600	-1.2	---		m_ ML	4.5
A109A	1.30	343.6	Sg	19:08:03.300	0.7	---	18.0	m_	
ROTE	1.32	317.1	Pn	19:07:44.820	-0.1	---		md_ ML	4.4
ROTE	1.32	317.1	Sg	19:08:04.160	1.1	---		m_	
SULZ	1.33	285.1	Pn	19:07:45.334	0.2	T_		m_e ML	4.5
SULZ	1.33	285.1	Pg	19:07:46.321	0.0	T_		m_e	
SULZ	1.33	285.1	Sg	19:08:04.164	0.6	T_		m_e	
A101B	1.35	313.6	Pg	19:07:45.200	-1.5	---		m_ ML	4.5
A101B	1.35	313.6	Sg	19:08:04.800	0.6	---	18.2	m_	
BERGE	1.41	299.2	Pn	19:07:46.100	-0.1	---		md_ ML	4.5
BERGE	1.41	299.2	Pg	19:07:47.200	-0.6	---		m_	
BERGE	1.41	299.2	Sg	19:08:06.810	0.7	---		m_	
DEGG	1.43	352.0	Pn	19:07:46.120	-0.3	---		md_ ML	4.1
DEGG	1.43	352.0	Sg	19:08:08.120	1.6	---		m_	
A100A	1.45	330.2	Pg	19:07:46.500	-2.1	---		m_ ML	4.5
A100A	1.45	330.2	Sg	19:08:05.400	-2.0	---	14.6	m_	
TUBL	1.47	335.1	Pn	19:07:46.760	-0.2	---		md_ ML	4.3
TUBL	1.47	335.1	Sg	19:08:09.040	1.2	---		m_	
FELD	1.52	297.3	Pn	19:07:47.590	-0.1	---		md_ ML	4.4
FELD	1.52	297.3	Sg	19:08:10.090	0.6	---		m_	
A106B	1.57	352.9	Pn	19:07:47.900	-0.4	---		m_ ML	4.4
A106B	1.57	352.9	Sn	19:08:09.800	2.1	---	11.3	m_	
NORI	1.58	14.8	Pn	19:07:47.939	-0.5	T_		m_e ML	4.3
NORI	1.58	14.8	Sg	19:08:12.558	1.2	T_		m_e	
BALST	1.58	275.9	Pn	19:07:48.665	0.2	T_		m_e ML	4.2
BALST	1.58	275.9	Pg	19:07:49.987	-1.0	T_		m_e	
BALST	1.58	275.9	Sg	19:08:11.779	0.3	T_		m_e	
BFO	1.60	315.6	Pn	19:07:48.842	0.1	T_		m_e ML	3.8

BFO	1.60	315.6	Pg	19:07:50.990	-0.4	T__	m_e	
BFO	1.60	315.6	Sn	19:08:10.600	2.2	___	m__	7.4
BFO	1.60	315.6	Sg	19:08:11.877	-0.3	T__	m_e	
KIZ	1.60	299.0	Pn	19:07:48.690	-0.1	___	md_ ML	4.6
KIZ	1.60	299.0	Pg	19:07:50.730	-0.8	___	m__	
KIZ	1.60	299.0	Sg	19:08:12.260	0.0	___	m__	
ENDD	1.62	289.4	Pn	19:07:48.930	-0.2	___	md_ ML	4.2
ENDD	1.62	289.4	Pg	19:07:51.030	-0.8	___	m__	
ENDD	1.62	289.4	Sg	19:08:12.970	0.1	___	m__	
URBA	1.67	350.3	Pn	19:07:49.360	-0.3	___	md_ ML	4.5
URBA	1.67	350.3	Sg	19:08:15.290	1.1	___	m__	
STU	1.67	341.1	Pn	19:07:49.610	-0.1	T__	m_e ML	4.2
STU	1.67	341.1	Pg	19:07:52.498	-0.1	T__	m_e	
STU	1.67	341.1	Sg	19:08:14.848	0.6	T__	m_e	
OPP	1.79	317.4	Pn	19:07:51.330	0.0	___	md_ ML	3.8
OPP	1.79	317.4	Sg	19:08:18.780	0.7	___	m__	
GALG	1.79	333.0	Pn	19:07:51.290	-0.1	___	md_ ML	4.1
GALG	1.79	333.0	Sg	19:08:19.380	1.2	___	m__	
BOURR	1.90	277.0	Pn	19:07:52.820	0.0	___	m__ ML	4.2
BABA	1.95	322.0	Pn	19:07:53.530	0.0	___	md_ ML	3.9
BRET	2.02	334.5	Pn	19:07:54.520	0.1	___	m__ ML	4.0
GRC1	2.06	28.7	Pn	19:07:54.220	-0.8	___	m__ ML	4.2
GRC1	2.06	28.7	Sn	19:08:20.600	1.3	___	m__	
GRC1	2.06	28.7	Sg	19:08:26.300	-0.4	___	m__	
WLS	2.16	305.2	Pn	19:07:56.580	0.2	___	m__ ML	3.8
SIND	2.17	353.0	Pn	19:07:55.950	-0.5	___	m__ ML	4.1
ECH	2.17	299.0	Pn	19:07:56.560	0.0	___	md_	
KBA	2.27	91.8	Pn	19:08:00.533	2.7	T__	m_e ML	3.9
KBA	2.27	91.8	Pg	19:08:03.632	-0.3	T__	m_e	
KBA	2.27	91.8	Sg	19:08:34.129	0.8	T__	m_e	
INS5	2.28	328.7	Sn	19:08:26.000	1.6	___	m__	
CHMF	2.28	272.5	Pn	19:07:57.500	-0.5	___	m__ ML	4.3
CHMF	2.28	272.5	Pg	19:08:02.620	-1.6	___	m__	
CHMF	2.28	272.5	Sg	19:08:33.530	-0.3	___	m__	
INS3	2.30	326.6	Pn	19:07:58.900	0.7	___	m__ ML	4.3
INS3	2.30	326.6	Sn	19:08:26.700	1.9	___	m__	
GRB2	2.35	27.4	Pn	19:07:57.930	-1.0	___	m__ ML	4.2
INS1	2.35	326.8	Pn	19:07:59.400	0.4	___	m__ ML	4.4
INS1	2.35	326.8	Sn	19:08:30.400	4.3	___	m__	4.2
TMO22	2.36	329.6	Pn	19:08:00.000	0.9	___	m__ ML	4.6
TMO22	2.36	329.6	Sn	19:08:30.600	4.3	___	m__	5.2
TMO20	2.38	327.4	Pn	19:08:00.600	1.3	___	m__ ML	4.3
GRA1	2.62	17.4	Pn	19:08:01.459	-1.1	T__	m_e ML	4.4
GRA1	2.62	17.4	Pg	19:08:10.938	0.3	T__	m_e	
GRA1	2.62	17.4	Sg	19:08:44.382	-0.1	T__	m_e	
WET	2.73	43.4	Pn	19:08:03.947	-0.1	T__	m_e ML	4.0
WET	2.73	43.4	Pg	19:08:13.082	0.5	T__	m_e	
WET	2.73	43.4	Sg	19:08:45.789	-2.1	T__	m_e	
MOA	2.94	75.6	Pn	19:08:08.852	1.9	T__	m_e ML	4.1
MOA	2.94	75.6	Sg	19:08:54.385	-0.4	T__	m_e	
ROTZ	2.95	28.7	Pn	19:08:05.775	-1.3	T__	m_e ML	4.2
ROTZ	2.95	28.7	Sg	19:08:54.482	-0.5	T__	m_e	
GEC2	2.97	54.9	Pn	19:08:07.890	0.6	T__	m_e ML	4.1
GEC2	2.97	54.9	Pg	19:08:18.174	1.1	T__	m_e	

GEC2	2.97	54.9	Sg	19:08:54.198	-1.3	T__	m_e												
MANZ	3.11	25.6	Pn	19:08:07.850	-1.4	T__	m_e												
MANZ	3.11	25.6	Sg	19:09:00.886	0.7	T__	m_e												
OBKA	3.18	100.8	Pn	19:08:13.038	2.9	T__	m_e												
TNS	3.20	341.7	Pn	19:08:11.169	0.7	T__	m_e ML	4.4											
TNS	3.20	341.7	Sg	19:09:02.902	0.1	T__	m_e												
BGG	3.49	330.6	Pn	19:08:15.400	1.0	---	m_e												
WLF	3.56	315.4	Pn	19:08:17.353	2.1	T__	m_e ML	4.3											
WLF	3.56	315.4	Sg	19:09:14.296	0.1	T__	m_e												
KOE	3.56	335.9	Pn	19:08:16.800	1.4	---	m_e												
PLN	3.58	22.4	Sg	19:09:14.535	-0.3	T__	m_e ML	4.3											
TANN	3.60	25.7	Sg	19:09:13.700	-1.8	T__	m_e ML	4.4											
MOX	3.60	16.4	Pn	19:08:14.349	-1.6	T__	m_e ML	4.5											
MOX	3.60	16.4	Pg	19:08:30.239	1.1	T__	m_e												
MOX	3.60	16.4	Sg	19:09:15.489	-0.2	T__	m_e												
UBBA	3.62	359.9	Sg	19:09:14.177	-2.1	T__	m_e ML	4.2											
ARSA	3.74	87.2	Pn	19:08:19.508	1.7	T__	m_e												
HILG	3.80	325.8	Pn	19:08:19.800	1.3	---	m_e												
AHRW	3.86	331.1	Pn	19:08:20.482	1.0	T__	m_e												
STB	3.99	329.6	Pn	19:08:21.800	0.7	---	m_e												
STB	3.99	329.6	Sn	19:09:08.100	3.6	---	m_e												
KAST	4.14	346.0	Pn	19:08:24.134	0.9	T__	m_e												
KAST	4.14	346.0	Pg	19:08:38.956	-0.3	T__	m_e												
HOBG	4.17	336.1	Pn	19:08:24.900	1.2	---	m_e												
BNS	4.20	334.8	Pn	19:08:25.600	1.6	---	m_e												
KLL	4.22	326.2	Pn	19:08:25.600	1.3	---	m_e												
DREG	4.26	325.8	Pn	19:08:26.100	1.2	---	m_e												
GTTG	4.35	359.6	Pn	19:08:26.251	0.2	T__	m_e ML	4.8											
GTTG	4.35	359.6	Sg	19:09:40.224	0.9	T__	m_e												
BRG	4.49	33.5	Pn	19:08:27.026	-0.9	T__	m_e ML	4.3											
BRG	4.49	33.5	Sg	19:09:42.578	-1.2	T__	m_e												
CLL	4.55	24.3	Pn	19:08:27.248	-1.5	T__	m_e ML	4.6											
CLL	4.55	24.3	Sg	19:09:44.842	-0.9	T__	m_e												
BPFI	4.59	337.8	Pn	19:08:31.200	1.8	---	m__ ML	4.5											
BKLB	4.60	338.2	Pn	19:08:31.700	2.2	---	m__ ML	4.3											
BUG	4.60	338.2	Pn	19:08:31.458	2.0	T__	m_e ML	4.8											
BUG	4.60	338.2	Sn	19:09:25.300	6.3	---	m__		0.8										
LAUG	4.61	335.4	Pn	19:08:30.800	1.2	---	m_e												
BULI	4.62	338.2	Pn	19:08:31.800	2.1	---	m__ ML	4.8											
BULI	4.62	338.2	Sn	19:09:24.800	5.4	---	m__		0.8										
CLZ	4.65	2.7	Pn	19:08:29.722	-0.4	T__	m_e ML	4.5											
CLZ	4.65	2.7	Sg	19:09:50.553	1.6	T__	m_e												
ASSE	4.95	4.7	Sg	19:10:00.747	2.3	T__	m_e ML	4.3											

Event 80119004 Imst/A, Western Mieminger Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/19	17:32:00.89	0.16	0.84	47.2862	10.7079	1.2	0.9	177	7.9	3.4	47	13	005			m i uk	ZAMG	80119024
2018/01/19	17:32:02.10	0.70	1.02	47.2900	10.7000				8.0	3.0	29	16	263	0.56	3.29	m i ke	BUG	80119014
2018/01/19	17:32:01.90	0.37	0.82	47.3070	10.7350	7.8	3.3	000	5.0f		17	14	159	0.32	2.33	m i ke	BGR	80119004

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	2.3	0.2	16	ZAMG	80119024
MD	3.5	0.7	7	BUG	80119014
ML	2.9	0.2	13	BUG	80119014
ML	2.0	0.3	9	BGR	80119004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
OBER	0.32	288.6	Pg	17:32:06.922	-1.0					T__				m_e	ML	1.6
PART	0.32	53.6	Pg	17:32:07.409	-0.6					T__				m_e	ML	1.4
UBR	0.56	311.6	Pg	17:32:12.500	-0.1					T__				m_e	ML	2.1
UBR	0.56	311.6	Sg	17:32:21.165	1.3					T__				m_e		
DAVA	0.58	268.3	Pg	17:32:11.726	-1.1					T__				m_e	ML	1.9
WTTA	0.61	93.7	Pg	17:32:13.138	-0.3					T__				m_e		
A107D	0.80	333.1	Pg	17:32:17.300	0.3					___				m__	ML	2.3
A107D	0.80	333.1	Sg	17:32:28.500	1.2					___		0.2		m__		
A107C	0.80	333.4	Pg	17:32:17.000	0.0					___				m__	ML	2.5
A107C	0.80	333.4	Sg	17:32:28.700	1.4					___		0.4		m__		
FUR	0.93	22.8	Pg	17:32:20.700	1.3					___				m__	ML	2.3
FUR	0.93	22.8	Sg	17:32:33.200	1.7					___		0.2		m__		
A103C	0.96	300.8	Pg	17:32:20.300	0.4					___				m__	ML	2.3
A103C	0.96	300.8	Sg	17:32:34.100	1.8					___		0.2		m__		
PLONS	0.96	254.8	Pg	17:32:21.790	1.9					T__				m_e		
A104A	1.02	318.0	Pg	17:32:21.500	0.3					___				m__	ML	2.5
A104A	1.02	318.0	Sg	17:32:35.500	1.1					___		0.3		m__		
A104C	1.09	318.9	Sg	17:32:38.400	1.7					___				m__		
A108A	1.20	330.1	Pg	17:32:24.400	-0.2					___				m__	ML	2.8
A108A	1.20	330.1	Sg	17:32:41.300	1.1					___		0.5		m__		
WILA	1.24	275.6	Pg	17:32:25.548	0.2					T__				m_e	ML	2.3
WILA	1.24	275.6	Sg	17:32:41.815	0.4					T__				m_e		
A102A	1.33	309.4	Pg	17:32:26.600	-0.3					___				m__	ML	2.4
A102A	1.33	309.4	Sg	17:32:44.900	0.8					___		0.1		m__		
NORI	1.42	357.1	Pg	17:32:28.409	-0.2					T__				m_e	ML	2.2
A109A	1.42	323.5	Pn	17:32:28.100	0.4					___				m__	ML	2.7
A109A	1.42	323.5	Sn	17:32:47.900	2.0					___		0.2		m__		
SLE	1.58	287.7	Pn	17:32:31.372	1.6					T__				m_e	ML	2.4
SLE	1.58	287.7	Sg	17:32:52.132	-0.0					T__				m_e		
A106B	1.60	335.3	Pn	17:32:31.100	1.1					___				m__	ML	2.6
A106B	1.60	335.3	Sn	17:32:52.300	2.3					___		0.2		m__		
A100A	1.67	314.0	Pn	17:32:32.800	1.8					___				m__	ML	2.8
A100A	1.67	314.0	Sn	17:32:54.500	2.8					___		0.2		m__		
A101B	1.68	299.7	Pn	17:32:33.000	1.9					___				m__	ML	2.6
A101B	1.68	299.7	Sn	17:32:51.200	-0.7					___		0.1		m__		
KBA	1.79	96.4	Pg	17:32:35.938	0.3					T__				m_e	ML	2.0
SULZ	1.79	278.1	Sg	17:32:58.374	-0.3					T__				m_e	ML	2.3
BFO	1.91	303.2	Pn	17:32:34.000	-0.3					___				m__	ML	2.6
BFO	1.91	303.2	Pg	17:32:37.806	-0.1					T__				m_e		
BFO	1.91	303.2	Sn	17:32:56.600	-0.8					___		0.1		m__		
BALST	2.06	271.9	Sg	17:33:06.556	-0.8					T__				m_e		
WET	2.33	37.1	Pn	17:32:39.991	0.1					T__				m_e	ML	2.8
TNS	3.28	333.5	Pn	17:32:53.300	0.4					___				m__	ML	3.2



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/19	17:39:45.20	0.23	1.70	46.4200	13.0300				9.0f		113	39	122			m i ke	LDG	80119035
2018/01/19	17:39:42.74	0.12	1.21	46.4250	13.0363	1.1	0.7	013	14.2	0.0	71	14	005			m i fe	ZAMG	80119025
2018/01/19	17:39:51.30	0.67	0.41	46.8290	13.2000				30.1			8	352	4.88	6.10	m i ke	BNS	80119015
2018/01/19	17:39:45.85	0.40	1.28	46.4760	13.0410	10.0	4.4	002	5.0f		33	26	196	0.64	5.60	m i ke	BGR	80119005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.7	0.3	33 LDG	80119035
ML	4.1	0.3	21 ZAMG	80119025
ML	3.8		BNS	80119015
ML	3.8	0.3	20 BGR	80119005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.64	18.9	Pg	17:39:56.969	-0.9					T__				m_e	ML 3.2
OBKA	1.04	87.6	Pg	17:40:02.839	-2.6					T__				m_e	ML 3.7
WTTA	1.24	309.9	Pn	17:40:07.425	-1.7					T__				m_e	ML 3.6
MOA	1.61	30.8	Pn	17:40:14.548	0.4					T__				m_e	ML 3.4
PART	1.66	308.5	Pn	17:40:16.008	1.1					T__				m_e	ML 3.4
ARSA	1.87	64.6	Pn	17:40:17.021	-0.6					T__				m_e	ML 3.2
FUR	2.07	325.3	Pn	17:40:20.875	0.5					T__				m_e	ML 4.3
FUR	2.07	325.3	Sg	17:40:51.622	0.0					T__				m_e	
OBER	2.09	297.4	Pn	17:40:21.956	1.2					T__				m_e	ML 3.7
DAVA	2.31	291.7	Pn	17:40:24.717	1.1					T__				m_e	ML 4.0
DAVA	2.31	291.7	Sg	17:40:58.337	-0.8					T__				m_e	
UBR	2.33	302.2	Pn	17:40:24.917	1.0					T__				m_e	
GEC2	2.41	10.4	Pn	17:40:24.889	-0.1					T__				m_e	ML 3.7
PLONS	2.57	284.2	Pn	17:40:28.259	1.1					T__				m_e	
WET	2.67	357.7	Pn	17:40:28.105	-0.4					T__				m_e	ML 3.6
NORI	2.77	324.9	Pn	17:40:29.550	-0.4					T__				m_e	ML 4.3
WILA	2.97	289.9	Pn	17:40:33.062	0.4					T__				m_e	ML 4.2
WILA	2.97	289.9	Sg	17:41:18.586	-1.7					T__				m_e	
ROTZ	3.34	350.7	Pn	17:40:36.734	-0.8					T__				m_e	ML 3.9
SLE	3.35	294.3	Pn	17:40:37.899	0.1					T__				m_e	ML 4.0
SLE	3.35	294.3	Sg	17:41:30.269	-2.1					T__				m_e	
GRA1	3.44	340.0	Pn	17:40:38.031	-0.9					T__				m_e	
STU	3.46	312.9	Pn	17:40:39.331	0.1					T__				m_e	
SULZ	3.52	289.2	Pn	17:40:40.235	0.2					T__				m_e	ML 4.3
SULZ	3.52	289.2	Sg	17:41:35.545	-2.2					T__				m_e	
MANZ	3.56	350.3	Pn	17:40:39.789	-0.9					T__				m_e	ML 3.9
BFO	3.69	301.9	Pn	17:40:42.532	0.2					T__				m_e	ML 3.9
BFO	3.69	301.9	Sn	17:41:25.831	2.7					T__				m_e	
BALST	3.75	285.2	Pn	17:40:43.311	0.1					T__				m_e	
MOX	4.27	347.8	Pn	17:40:49.393	-0.9					T__				m_e	ML 4.1
MOX	4.27	347.8	Sn	17:41:38.311	1.4					T__				m_e	
TNS	4.83	322.5	Pn	17:40:58.155	0.3					T__				m_e	ML 4.2
NAST	5.07	319.1	Pn	17:41:02.300	1.3					---				m_e	
KOE	5.29	320.2	Pn	17:41:04.900	0.9					---				m_e	
KOE	5.29	320.2	Sn	17:42:00.900	0.2					---		83.7	0.55	m_e	
BGG	5.32	316.6	Pn	17:41:04.700	0.3					---				m_e	
WLF	5.60	307.2	Pn	17:41:10.259	2.1					T__				m_e	
STB	5.81	317.4	Pn	17:41:12.000	0.9					---				m_e	
HOBG	5.87	322.2	Pn	17:41:12.700	0.8					---				m_e	
KLL	6.10	315.6	Pn	17:41:16.600	1.6					---				m_e	

DREG	6.15	315.4	Pn	17:41:17.200	1.5	---	m_e
LAUG	6.31	322.8	Pn	17:41:18.600	0.8	---	m_e

Event 80121003 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/21	23:54:50.10	0.09	0.21	51.5777	6.8716	1.4	1.2	025	1.0f		52	16	272			m i sr	LDG	80121043
2018/01/21	23:54:50.20	0.72	0.31	51.5850	6.8630				1.0f			9	289	0.24	1.41	m i ki	BNS	80121033
2018/01/21	23:54:49.90	0.24	0.11	51.5700	6.8810				1.0f			12	178			m i ki	GDNRW	80121023
2018/01/21	23:54:50.15	0.39	0.62	51.6000	6.8420	4.4	2.2	124	1.0f		21	16	190	0.03	2.20	m i ki	BGR	80121013
2018/01/21	23:54:50.30		0.41	51.5900	6.8700				1.0	1.0	29	19	074	0.03	3.39	m i ki	BUG	80121003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	17 LDG	80121043
ML	2.3		BNS	80121033
ML	2.1		GDNRW	80121023
ML	2.4	0.2	8 BGR	80121013
MD	2.8	0.3	14 BUG	80121003
ML	2.9	0.1	9 BUG	80121003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZER1	0.03	279.6	Pg	23:54:50.300	-0.6					T__				m__	ML 2.4
ZER1	0.03	279.6	Sg	23:54:50.700	-0.5					T__		84.3		m__	
ZER3	0.03	319.2	Pg	23:54:50.500	-0.4					T__				m__	
ZER3	0.03	319.2	Sg	23:54:51.800	0.5					T__		28.4		m__	
ZERL	0.03	359.4	Pg	23:54:50.700	-0.2					T__				m__	
ZERL	0.03	359.4	Sg	23:54:52.000	0.7					T__		28.9		m__	
BAVS	0.20	56.0	Pg	23:54:54.500	0.5					T__				m__	
BAVS	0.20	56.0	Sg	23:54:58.400	1.8					T__		6.2		m__	
BRH3	0.20	247.4	Pg	23:54:54.200	0.1					T__				m__	ML 2.6
BRH3	0.20	247.4	Sg	23:54:57.900	1.2					T__		4.0		m__	
BAVN	0.22	46.5	Pg	23:54:55.000	0.6					T__				m__	
LAUG	0.24	169.1	Pg	23:54:54.619	-0.3					---				m_e	
HES	0.25	154.3	Pg	23:54:54.880	-0.1					---				mde	
HES	0.25	154.3	Sg	23:54:58.270	0.1					---		153.8	0.27	m_e	
BULI	0.28	119.0	Pg	23:54:55.800	0.3					T__				m__	ML 2.6
BULI	0.28	119.0	Sg	23:55:00.800	1.7					T__		2.9		m__	
BPFI	0.28	127.5	Pg	23:54:55.800	0.2					T__				m__	ML 2.3
BPFI	0.28	127.5	Sg	23:55:00.000	0.8					T__		1.3		m__	
XAN	0.29	284.9	Pg	23:54:55.710	0.0					---				mde	
XAN	0.29	284.9	Sg	23:55:00.240	0.8					---				m_e	
BUG	0.29	120.9	Pg	23:54:56.000	0.2					T__				m__	ML 2.5
BUG	0.29	120.9	Sg	23:55:00.700	1.2					T__		2.1		m__	
BKLB	0.29	120.9	Pg	23:54:56.000	0.2					T__				m__	ML 2.4
BTEZ	0.29	118.8	Pg	23:54:56.100	0.3					T__				m__	ML 2.5
ENTS	0.49	135.7	Pg	23:54:59.380	-0.1					---				m_e	
ENTS	0.49	135.7	Sg	23:55:05.990	0.3					---				m_e	
HMES	0.54	82.4	Pg	23:55:00.800	0.4					T__				m__	
PLH	0.59	183.1	Pg	23:55:01.330	-0.0					---				m_e	
PLH	0.59	183.1	Sg	23:55:08.920	-0.0					---				m_e	
RODG	0.62	224.3	Pg	23:55:01.878	-0.1					---				m_e	

HOBG	0.67	154.3	Pg	23:55:02.998	0.0	---												m_e	
SORT	0.73	108.9	Pg	23:55:03.870	-0.1	---												m_e	
SORT	0.73	108.9	Sg	23:55:13.760	0.4	---				86.4	0.38							m_e	
WBS	0.83	161.6	Pg	23:55:05.810	-0.0	---												m_e	
WBS	0.83	161.6	Sg	23:55:16.450	-0.1	---				55.0	0.33							m_e	
IBBS	0.88	37.6	Pg	23:55:07.500	0.6	---												m__ ML	2.5
IBBN	0.90	37.1	Pg	23:55:07.700	0.4	---												m__ ML	2.5
IBBN	0.90	37.1	Sg	23:55:23.300	4.3	---				0.3								m__	
GSH	0.91	200.0	Pg	23:55:07.250	-0.2	---												m_e	
GSH	0.91	200.0	Sg	23:55:19.340	0.2	---				56.3	0.23							m_e	
IBBE	0.91	38.4	Pg	23:55:07.800	0.3	---												m__ ML	2.5
ACN	0.95	211.5	Pg	23:55:08.030	-0.2	---												m_e	
ACN	0.95	211.5	Sg	23:55:20.790	0.2	---				45.6	0.25							m_e	
STB	1.00	181.1	Pg	23:55:09.037	-0.0	---												m_e	
STB	1.00	181.1	Sg	23:55:22.801	0.9	---				48.9	0.33							m_e	
KLL	1.01	200.6	Pg	23:55:09.674	0.4	---												m_e	
DREG	1.01	203.6	Pg	23:55:09.292	-0.0	---												mde	
TDN	1.02	177.3	Pg	23:55:09.140	-0.3	---												m_e	
TDN	1.02	177.3	Sg	23:55:22.680	0.1	---				73.8	0.39							m_e	
KAST	1.04	111.3	Pg	23:55:09.700	-0.2	---												m__ ML	2.6
KAST	1.04	111.3	Sg	23:55:23.900	0.6	---				0.4								m__	
AHRW	1.06	172.9	Pg	23:55:10.200	-0.0	---												m__ ML	3.0
AHRW	1.06	172.9	Sg	23:55:25.700	1.8	---				0.4								m__	
MEM	1.12	209.2	Pg	23:55:11.045	-0.4	---												m_e ML	2.4
MEM	1.12	209.2	Sg	23:55:25.739	-0.1	---												m_e	
OLFT	1.13	194.6	Pg	23:55:11.170	-0.5	---												m_e	
OLFT	1.13	194.6	Sg	23:55:26.210	-0.0	---												m_e	
BHE	1.25	170.9	Pg	23:55:13.350	-0.5	---												m_e	
BHE	1.25	170.9	Sg	23:55:29.870	-0.2	---				42.4	0.34							m_e	
KOE	1.28	154.7	Pg	23:55:13.880	-0.6	---												m_e	
HILG	1.30	185.4	Pg	23:55:14.007	-0.9	---												m_e	
BGG	1.42	167.8	Pg	23:55:15.919	-1.0	---												m_e	
LOH	1.42	188.7	Pg	23:55:16.090	-1.0	---												m_e	
LOH	1.42	188.7	Sg	23:55:34.570	-0.9	---				51.5	0.35							m_e	
TNS	1.69	143.4	Pn	23:55:19.800	-0.4	---												m__ ML	2.6
GTTG	1.92	90.1	Sg	23:55:51.670	0.3	---												m_e ML	2.7
WLF	1.98	193.6	Pg	23:55:26.273	-1.3	---												m_e	
UBBA	2.11	110.2	Sg	23:55:57.748	0.5	---												m_e ML	2.2
CLZ	2.18	82.0	Pn	23:55:26.300	-0.6	---												m__ ML	2.8
CLZ	2.18	82.0	Pg	23:55:30.568	-0.9	---												m_e	
CLZ	2.18	82.0	Sg	23:56:00.580	0.9	---												m_e	
A106B	3.37	146.1	Pn	23:55:43.300	0.3	---												m__	
BFO	3.39	163.4	Pn	23:55:43.200	-0.0	---												m__	

Event 80122001 Kaub/Rhine

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/22	07:20:35.40	0.04	0.35	50.1216	7.8978	0.8	0.6	037	16.2	0.5	96	18	033			m i ke	LDG	80122051
2018/01/22	07:20:36.00	0.90	0.41	50.1390	7.9040				13.2	2.5		10	204	0.06	1.19	m i ke	BNS	80122041
2018/01/22	07:20:35.20	0.24	0.11	50.1270	7.9430				18.3	1.4		17	218			m i ke	GDNRW	80122031
2018/01/22	07:20:35.10		0.50	50.1400	7.9200				18.0	1.0	49	26	088			m i ke	HLNUG	80122021
2018/01/22	07:20:35.10	0.20	0.59	50.1540	7.9010	3.3	2.2	001	5.0f		25	18	070	0.35	2.35	m i ke	BGR	80122011

Magnitude	Err	Nsta	Author	OrigID
MD	3.1	0.1	2 LDG	80122051
ML	3.2	0.2	19 LDG	80122051
ML	2.2		BNS	80122041
ML	2.5		GDNRW	80122031
ML	2.5	0.3	24 HLNUG	80122021
ML	2.5	0.2	7 BGR	80122011
ML	2.6	0.2	25 LED	80122001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GWBD	0.02	219.9	Pg	07:20:38.750	0.1					T__				md_	ML 2.0
GWBD	0.02	219.9	Sg	07:20:40.500	-0.1					T__				m__	
NAST	0.08	331.3	Pg	07:20:38.801	-0.2					---				mdi	
NAST	0.08	331.3	Sg	07:20:40.775	-0.4					---		1252.9	0.18	m_e	
GWBE	0.17	96.9	Pg	07:20:39.980	-0.0					T__				md_	ML 2.8
GWBE	0.17	96.9	Sg	07:20:42.660	-0.3					T__				m__	
FACH	0.23	11.8	Pg	07:20:40.690	-0.3					T__				mc_	ML 2.4
FACH	0.23	11.8	Sg	07:20:44.110	-0.5					T__				m__	
HECH	0.29	125.6	Pg	07:20:42.000	0.2					---				m__	ML 2.8
HECH	0.29	125.6	Sg	07:20:46.600	0.6					---		3.2		m__	
KOE	0.32	338.2	Pg	07:20:42.265	-0.2					---				mce	
BODE	0.33	131.5	Pg	07:20:42.370	-0.1					T__				md_	ML 2.5
BODE	0.33	131.5	Sg	07:20:47.060	-0.1					T__				m__	
ABH	0.34	224.4	Pg	07:20:42.520	-0.3					T__				mc_	ML 2.3
GWBC	0.35	40.0	Pg	07:20:42.770	-0.1					T__				mc_	ML 2.6
GWBC	0.35	40.0	Sg	07:20:47.480	-0.3					T__				m__	
TNS	0.35	74.0	Pg	07:20:42.780	-0.2					T__				mde	ML 2.5
TNS	0.35	74.0	Sg	07:20:47.340	-0.6					T__				m__	
BGG	0.38	282.2	Pg	07:20:43.322	-0.1					---				m_e	
BGG	0.38	282.2	Sg	07:20:48.075	-0.7					---		288.3	0.11	m_e	
OCHT	0.42	300.7	Pg	07:20:43.830	-0.3					T__				md_	ML 2.5
OCHT	0.42	300.7	Sg	07:20:49.450	-0.4					T__				m__	
BH01	0.45	122.0	Pg	07:20:44.000	-0.6					---				m__	ML 2.1
BH01	0.45	122.0	Sg	07:20:51.600	0.8					---		0.4		m__	
BHE	0.52	295.8	Pg	07:20:45.710	-0.3					T__				m__	
BHE	0.52	295.8	Sg	07:20:52.650	-0.4					T__				m__	
BHE	0.52	295.8	SmS	07:20:55.160	-1.3					T__				m__	
IMS	0.53	181.3	P*	07:20:45.960						T__				mc_	ML 2.5
IMS	0.53	181.3	S*	07:20:53.240						T__				m__	
DREI	0.54	101.0	Pg	07:20:45.900	-0.5					---				m__	ML 2.3
DREI	0.54	101.0	Sg	07:20:53.200	-0.5					---		0.4		m__	
WBFO	0.55	35.5	Pg	07:20:46.200	-0.3					---				m__	ML 2.7
WBFO	0.55	35.5	Sg	07:20:52.700	-1.2					---		1.0		m__	
WBB	0.56	120.5	P*	07:20:46.490						T__				md_	ML 2.3
WBB	0.56	120.5	Sg	07:20:53.800	-0.2					---		0.2		m__	
LAGB	0.57	294.4	Pg	07:20:46.570	-0.3					T__				md_	ML 2.4
LAGB	0.57	294.4	Sg	07:20:54.300	-0.3					---		0.5		m__	
LAGB	0.57	294.4	SmS	07:20:56.450	-1.2					T__				m__	
MESS	0.59	112.2	Pg	07:20:46.800	-0.4					---				m__	ML 2.7
MESS	0.59	112.2	Sg	07:20:54.600	-0.5					---		0.8		m__	
BIW	0.61	355.1	Pg	07:20:46.910	-0.6					T__				mc_	ML 2.6

BIW	0.61	355.1	Sg	07:20:54.710	-0.9
BIW	0.61	355.1	SmS	07:20:56.870	-1.7
ERNH	0.63	123.3	Pg	07:20:47.500	-0.4
ERNH	0.63	123.3	Sg	07:20:56.500	0.3
AHRW	0.68	307.9	P*	07:20:48.400	
AHRW	0.68	307.9	S*	07:20:57.140	
WBA	0.75	129.0	P*	07:20:49.460	
WBA	0.75	129.0	Sg	07:20:59.700	-0.3
TDN	0.77	306.1	P*	07:20:49.910	
TDN	0.77	306.1	Sg	07:21:00.050	-0.5
WBS	0.79	329.4	Pg	07:20:50.220	-0.7
WBS	0.79	329.4	Sg	07:21:00.540	-0.8
HILG	0.81	282.2	Pg	07:20:51.206	-0.1
HILG	0.81	282.2	Sg	07:21:02.242	0.3
KTD	0.81	172.4	S*	07:21:01.770	
STB	0.83	304.6	Pg	07:20:51.303	-0.4
STB	0.83	304.6	Sg	07:21:01.841	-0.7
EBSD	0.84	46.1	Pg	07:20:51.700	-0.0
EBSD	0.84	46.1	Sg	07:21:02.700	-0.0
RIVT	0.85	241.0	Pg	07:20:51.086	-1.0
RIVT	0.85	241.0	S*	07:21:01.630	
LOH	0.89	274.1	Pg	07:20:52.410	-0.3
LOH	0.89	274.1	S*	07:21:03.450	
WBG	0.91	86.7	Pn	07:20:52.450	-0.7
WBG	0.91	86.7	Sg	07:21:04.200	-1.0
MILB	0.93	108.2	Pn	07:20:52.890	-0.5
MILB	0.93	108.2	Sg	07:21:05.655	-0.1
HOBG	0.93	336.8	Pg	07:20:53.186	-0.4
HOBG	0.93	336.8	Sg	07:21:05.187	-0.6
GWBF	1.00	52.6	Pg	07:20:54.600	-0.2
GWBF	1.00	52.6	Sg	07:21:07.700	-0.2
OLFT	1.03	291.5	Pg	07:20:54.500	-0.8
OLFT	1.03	291.5	Sg	07:21:07.950	-0.7
BLI	1.05	276.4	Pn	07:20:54.440	-0.6
BLI	1.05	276.4	Pg	07:20:54.860	-0.9
BLI	1.05	276.4	Sn	07:21:08.050	-0.6
KAST	1.12	16.1	Pg	07:20:55.527	-1.5
KAST	1.12	16.1	Sg	07:21:09.500	-2.2
PLH	1.12	321.9	Pg	07:20:55.600	-1.4
PLH	1.12	321.9	Sg	07:21:09.880	-1.8
KLL	1.15	297.5	Pg	07:20:56.656	-0.9
GSH	1.15	302.4	Pg	07:20:56.180	-1.5
GSH	1.15	302.4	Sg	07:21:10.910	-1.8
ENTS	1.16	344.1	Pg	07:20:56.300	-1.5
ENTS	1.16	344.1	Sg	07:21:10.660	-2.2
DREG	1.20	297.2	Pg	07:20:56.480	-2.1
SORT	1.22	1.5	Pg	07:20:57.090	-1.9
SORT	1.22	1.5	Sg	07:21:12.330	-2.6
WLF	1.23	248.6	Pg	07:20:58.240	-0.8
MEM	1.31	292.3	Pn	07:20:58.631	0.1
MEM	1.31	292.3	Pg	07:20:59.730	-0.8
MEM	1.31	292.3	Sg	07:21:16.439	-1.2
ACN	1.34	299.7	Sg	07:21:15.140	-3.3
SIND	1.34	124.9	Pg	07:21:01.070	-0.1

T__						m__		
T__						m__		
___						m__ ML	2.9	
___	1.4					m__		
T__						md_ ML	2.4	
T__						m__		
T__						m__ ML	2.9	
___	0.4					m__		
T__						m__		
___	151.6	0.20				m_e		
___						m_e		
___	195.8	0.29				m_e		
___						mce		
___	130.5	0.20				m_e		
T__						m__ ML	2.9	
___						m_e		
___	66.4	0.36				m_e		
___						m__ ML	2.8	
___	0.7					m__		
___						m_e ML	2.8	
___						m__		
___						m_e		
T__						m__		
T__						m__ ML	2.8	
___	0.3					m__		
T__						m__ ML	3.0	
___						m_e		
___						m_e		
___						m_e		
___						m__ ML	2.6	
___	0.4					m__		
___						m_e		
___						m_e		
T__						m__ ML	2.6	
___						m_e		
T__						m__		
___						m_e ML	2.6	
___	0.7					m__		
___						m_e		
___						m_e		
___						m_e		
___	82.7	0.26				m_e		
___						m_e		
___						m_e		
___						m_e		
___	119.4	0.45				m_e		
T__						m__ ML	2.7	
___						m_e ML	2.4	
T__						m__		
___						m_e		
___	39.1	0.15				m_e		
___						m__ ML	3.0	

SIND	1.34	124.9	Sg	07:21:19.110	0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	m__	---
HES	1.36	336.2	Sg	07:21:15.470	-3.7	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	49.9 0.19
SPAHL	1.37	66.7	Pg	07:21:01.645	-0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e ML	2.7
BABA	1.42	172.7	Pg	07:21:02.050	-0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.2
GALG	1.45	157.0	Pg	07:21:03.030	-0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.5
HROE	1.49	73.1	Pn	07:21:00.600	-0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.3
HROE	1.49	73.1	Pg	07:21:03.204	-0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---
UBBA	1.49	61.6	Pn	07:21:02.600	1.5	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.2
UBBA	1.49	61.6	Pg	07:21:03.493	-0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---
VITZ	1.58	60.3	Pn	07:21:04.400	2.2	---	---	---	---	---	---	---	---	---	---	---	---	---	m__	---
OPP	1.64	173.8	Pg	07:21:06.110	-0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.4
RCHB	1.72	272.0	Pg	07:21:07.118	-1.2	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---
BFO	1.82	171.4	Pg	07:21:09.380	-0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.7
BUCH	1.92	150.3	Pg	07:21:11.990	-0.0	---	---	---	---	---	---	---	---	---	---	---	---	---	m__ ML	2.7
ECH	1.97	194.9	Pg	07:21:11.225	-1.8	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---
POSS	2.22	56.0	Pg	07:21:16.548	-1.1	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---
CLZ	2.31	41.1	Pg	07:21:17.186	-2.1	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---
CHRS	2.36	49.9	Pg	07:21:18.660	-1.5	---	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---

Event 80122002 Kaub/Rhine

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/22	07:35:58.90	0.04	0.35	50.1334	7.9205	0.8	0.7	111	16.0f			85	17 042			m i ke	LDG	80122052
2018/01/22	07:35:59.30	0.54	0.21	50.1460	7.9360				14.5	1.7		10 202	0.07	1.20	m i ke	BNS	80122042	
2018/01/22	07:35:58.60	0.25	0.11	50.1250	7.9360				18.7	1.5		15 217			m i ke	GDNRW	80122032	
2018/01/22	07:35:58.50		0.44	50.1400	7.9300				17.0	1.0	45	23 080			m i uk	HLNUG	80122022	
2018/01/22	07:35:58.47	0.19	0.56	50.1580	7.9160	2.2	2.2	135	5.0f			28	20 037	0.35	2.34	m i ke	BGR	80122012
2018/01/22	07:35:59.20	0.10	0.19	50.1260	7.9180	1.0	0.9	062	16.0	2.0	34	20 050	0.02	1.42	m i ke	LED	80122002	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.1	2 LDG	80122052
ML	3.1	0.2	21 LDG	80122052
ML	2.0		BNS	80122042
ML	2.2		GDNRW	80122032
ML	2.3	0.2	21 HLNUG	80122022
ML	2.4	0.3	6 BGR	80122012
ML	2.3	0.1	16 LED	80122002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GWBD	0.02	220.5	Pg	07:36:02.120	0.2					T__				md_ ML	1.9
GWBD	0.02	220.5	Sg	07:36:03.860	0.1					T__				m__	
NAST	0.08	332.1	Pg	07:36:02.182	-0.1					---				mdi	
NAST	0.08	332.1	Sg	07:36:04.169	-0.2					---		785.7	0.27	m_e	
GWBE	0.17	96.5	Pg	07:36:03.340	-0.0					T__				md_ ML	2.6
GWBE	0.17	96.5	Sg	07:36:06.050	-0.2					T__				m__	
FACH	0.24	11.9	Pg	07:36:04.070	-0.3					T__				mc_ ML	2.3
FACH	0.24	11.9	Sg	07:36:07.550	-0.4					T__				m__	
HECH	0.29	125.4	Pg	07:36:05.300	0.1					---				m__ ML	2.7
HECH	0.29	125.4	Sg	07:36:09.800	0.4					---		2.5		m__	
KOE	0.32	338.4	Pg	07:36:05.682	-0.2					---				m_e	
BODE	0.32	131.3	Pg	07:36:05.740	-0.2					T__				md_ ML	2.4

BODE	0.32	131.3	Sg	07:36:10.400	-0.1
ABH	0.34	224.4	Pg	07:36:05.890	-0.3
ABH	0.34	224.4	Sg	07:36:10.480	-0.5
GWBC	0.35	39.9	Pg	07:36:06.140	-0.2
GWBC	0.35	39.9	Sg	07:36:10.630	-0.5
TNS	0.35	73.9	Pg	07:36:06.130	-0.2
TNS	0.35	73.9	Sg	07:36:10.710	-0.6
BGG	0.38	282.4	Pg	07:36:06.702	-0.2
OCHT	0.42	300.9	Pg	07:36:07.200	-0.3
OCHT	0.42	300.9	PmP	07:36:09.350	-0.7
OCHT	0.42	300.9	Sg	07:36:12.950	-0.3
BHE	0.52	295.9	Pg	07:36:09.060	-0.4
BHE	0.52	295.9	Sg	07:36:16.430	-0.0
IMS	0.53	181.2	Pg	07:36:09.330	-0.3
IMS	0.53	181.2	Sg	07:36:16.650	-0.1
DREI	0.54	100.9	Pg	07:36:09.300	-0.5
DREI	0.54	100.9	Sg	07:36:16.500	-0.6
WBFO	0.55	35.5	Pg	07:36:09.600	-0.4
WBFO	0.55	35.5	Sg	07:36:16.100	-1.2
WBB	0.56	120.4	Pg	07:36:09.840	-0.2
WBB	0.56	120.4	Sg	07:36:17.300	-0.1
LAGB	0.57	294.5	Pg	07:36:09.990	-0.3
LAGB	0.57	294.5	Sg	07:36:18.100	0.1
LAGB	0.57	294.5	SmS	07:36:20.420	-0.9
MESS	0.59	112.1	Pg	07:36:10.200	-0.5
MESS	0.59	112.1	Sg	07:36:18.000	-0.6
BIW	0.61	355.2	Pg	07:36:10.300	-0.7
ERNH	0.63	123.2	Pg	07:36:10.900	-0.4
ERNH	0.63	123.2	Sg	07:36:19.800	0.2
AHRW	0.68	308.0	Pg	07:36:11.840	-0.4
AHRW	0.68	308.0	Sg	07:36:21.400	0.2
WBA	0.75	128.9	Pg	07:36:12.700	-0.8
WBA	0.75	128.9	Sg	07:36:23.100	-0.3
TDN	0.77	306.2	Pg	07:36:13.400	-0.5
TDN	0.77	306.2	Sg	07:36:23.790	-0.2
WBS	0.79	329.5	Pg	07:36:13.710	-0.6
WBS	0.79	329.5	Sg	07:36:23.940	-0.8
HILG	0.81	282.3	Pg	07:36:14.547	-0.2
HILG	0.81	282.3	Sg	07:36:25.677	0.3
KTD	0.81	172.4	Pg	07:36:14.408	-0.3
KTD	0.81	172.4	Sg	07:36:25.118	-0.3
STB	0.83	304.6	Pg	07:36:14.614	-0.5
STB	0.83	304.6	Sg	07:36:25.238	-0.8
EBSB	0.84	46.1	Pg	07:36:15.100	-0.1
EBSB	0.84	46.1	Sg	07:36:26.700	0.5
RIVT	0.85	241.1	PmP	07:36:15.550	-1.3
RIVT	0.85	241.1	Sg	07:36:25.653	-1.0
LOH	0.89	274.2	P*	07:36:15.860	
LOH	0.89	274.2	S*	07:36:27.550	
WBG	0.92	86.7	Pg	07:36:16.100	-0.6
MILB	0.93	108.1	Pn	07:36:16.350	-0.7
MILB	0.93	108.1	Sn	07:36:28.620	-1.0
HOBG	0.93	336.8	Pg	07:36:16.355	-0.7
HOBG	0.93	336.8	Sg	07:36:28.521	-0.7

T__						m__		
T__						mc__ ML	2.2	
T__						m__		
T__						mc__ ML	2.5	
T__						m__		
T__						md__ ML	2.4	
T__						m__		
___						mde		
T__						m__ ML	2.2	
T__						m__		
T__						m__		
___	193.0	0.17				m_e		
T__						mc__ ML	2.4	
T__						m__		
___						m__ ML	2.2	
___	0.3					m__		
___						m__ ML	2.5	
___	0.6					m__		
T__						m__ ML	2.3	
___						m__		
___	0.3					m__		
T__						m__		
___						m__ ML	2.5	
___	0.6					m__		
T__						mc__ ML	2.3	
___						m__		
___	1.1					m__		
T__						mc__ ML	2.2	
___	0.2					m__		
___						m__ ML	2.3	
___	0.3					m__		
T__						mc__		
___	99.0	0.23				m_e		
___						m_e		
___	128.0	0.29				m_e		
___						m_e		
___	80.3	0.59				m_e		
___						m_e		
___						m_e		
___						m_e		
___	38.1	0.33				m_e		
___						m__ ML	2.6	
___	0.4					m__		
T__						m__ ML	2.6	
___						m_e		
T__						m__		
T__	105.2	0.42				m__		
___						m__ ML	2.3	
T__						m__ ML	2.9	
T__						m__		
___						m_e		
___	125.9	0.73				m_e		

GWBF	1.00	52.6	Pg	07:36:18.000	-0.3	---											m__	ML	2.4	
GWBF	1.00	52.6	Sg	07:36:30.900	-0.4	---												m__		
OLFT	1.02	291.6	Pg	07:36:17.870	-0.8	---												m_e		
OLFT	1.02	291.6	Sg	07:36:31.140	-0.9	---												m_e		
BLI	1.05	276.4	Pn	07:36:17.890	-0.7	---												m__	ML	2.4
BLI	1.05	276.4	Sn	07:36:31.020	-1.3	---												m__		
PLH	1.12	321.9	Pg	07:36:19.200	-1.3	---												m_e		
PLH	1.12	321.9	Sg	07:36:33.020	-2.1	---												m_e		
KAST	1.12	16.2	Pg	07:36:19.086	-1.4	---												m_e	ML	2.3
KAST	1.12	16.2	Sg	07:36:33.011	-2.1	---												m_e		
KLL	1.15	297.6	Pg	07:36:19.134	-1.9	---												m_e		
GSH	1.15	302.5	Pg	07:36:19.560	-1.6	---												m_e		
GSH	1.15	302.5	Sg	07:36:33.980	-2.2	---												m_e		
ENTS	1.16	344.1	Pg	07:36:19.740	-1.5	---												m_e		
ENTS	1.16	344.1	Sg	07:36:34.160	-2.2	---												m_e		
DREG	1.20	297.2	Pg	07:36:20.167	-1.8	---												m_e		
SORT	1.22	1.6	Pg	07:36:20.500	-1.9	---												m_e		
SORT	1.22	1.6	Sg	07:36:35.490	-2.9	---												m_e		
WLF	1.23	248.6	Pg	07:36:21.625	-0.9	---												m_e	ML	2.4
MEM	1.31	292.4	Pn	07:36:22.160	0.0	---												m__	ML	2.2
MEM	1.31	292.4	Pg	07:36:23.101	-0.9	---												m_e		
SIND	1.34	124.8	Pg	07:36:24.430	-0.2	---												m__		
SIND	1.34	124.8	Sg	07:36:40.700	-1.3	---												m__		
SPAHL	1.37	66.7	Pg	07:36:24.506	-0.7	---												m_e		
BUG	1.38	342.9	Pg	07:36:24.010	-1.3	---												m_e		
BUG	1.38	342.9	Sg	07:36:41.145	-2.0	---												m_e		
BABA	1.42	172.7	Pg	07:36:25.450	-0.6	---												m__	ML	2.2
HROE	1.49	73.1	Pn	07:36:23.900	-0.6	---												m__	ML	2.9
HROE	1.49	73.1	Pg	07:36:26.537	-0.8	---												m_e		
HROE	1.49	73.1	Sn	07:36:44.500	1.9	---												m__		
UBBA	1.50	61.6	Pn	07:36:25.676	1.0	---												m_e	ML	2.1
UBBA	1.50	61.6	Pg	07:36:26.863	-0.7	---												m_e		
RCHB	1.72	272.0	Pg	07:36:31.382	-0.4	---												m_e		
BFO	1.82	171.3	Pg	07:36:32.912	-0.6	---												m_e		
ECH	1.97	194.9	Pg	07:36:34.922	-1.6	---												m_e		
POSS	2.22	56.0	Pg	07:36:39.648	-1.5	---												m_e		
CLZ	2.31	41.1	Pg	07:36:40.316	-2.5	---												m_e		
CHRS	2.36	49.9	Pg	07:36:41.760	-1.9	---												m_e		

Event 80124006 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/24	20:27:08.50	0.65	0.95	51.5500	16.0700				1.0f		30	9	177			m i sr	LDG	80124016
2018/01/24	20:27:06.97	0.48	0.69	51.5760	16.1480	5.6	2.2	017	1.0f		26	17	203	0.74	3.65	m i ki	BGR	80124006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.2	6 LDG	80124016
ML	3.2	0.3	16 BGR	80124006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.74	172.9	Pg	20:27:21.091	0.2					T__				m_e	ML 2.4





GRC3	1.57	327.9	Sg	11:51:45.662	-0.2	T__	m_e	ML	2.1
WET	1.58	0.5	Pn	11:51:24.691	0.9	T__	m_e		
WET	1.58	0.5	Sg	11:51:45.834	-0.3	T__	m_e		
GRC2	1.63	323.4	Pn	11:51:26.049	1.5	T__	m_e	ML	2.1
GRC2	1.63	323.4	Sg	11:51:47.490	-0.4	T__	m_e		
GRC1	1.68	328.6	Sn	11:51:46.035	-0.0	T__	m_e	ML	1.8
GRC1	1.68	328.6	Sg	11:51:49.032	-0.4	T__	m_e		
UBR	1.86	274.6	Pg	11:51:31.646	0.7	T__	m_e	ML	2.1
UBR	1.86	274.6	Sg	11:51:56.143	1.2	T__	m_e		
GRB1	1.99	336.8	Sg	11:51:58.653	-0.6	T__	m_e		
GRA3	2.42	335.8	Sg	11:52:12.029	-0.8	T__	m_e		
BFO	3.13	285.8	Pn	11:51:46.004	1.2	T__	m_e		
BFO	3.13	285.8	Sg	11:52:35.443	0.2	T__	m_e		

Event 80128003 Kaub/Rhine

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/01/28	11:01:44.60	0.05	0.34	50.1181	7.9039	1.0	0.9	175	12.0f		54	14	033			m i ke	LDG	80128053
2018/01/28	11:01:44.70	0.47	0.21	50.1340	7.9440				13.6	1.7		9	206	0.08	0.93	m i ke	BNS	80128043
2018/01/28	11:01:44.20	0.23	0.11	50.1350	7.9680				14.1	3.7		10	274			m i ke	GDNRW	80128033
2018/01/28	11:01:44.10		0.44	50.1400	7.9400				18.0	2.0	37	20	070			m i uk	HLNUG	80128023
2018/01/28	11:01:44.31	0.28	0.41	50.1550	7.9070	3.3	2.2	111	10.0f		14	9	062	0.35	1.35	m i ke	BGR	80128013
2018/01/28	11:01:44.49	0.10	0.18	50.1290	7.9190	1.1	1.1	023	17.0	2.0	28	19	064	0.02	1.22	m i ke	LED	80128003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.2	14 LDG	80128053
ML	1.7		BNS	80128043
ML	1.8		GDNRW	80128033
ML	1.9	0.2	19 HLNUG	80128023
ML	2.0	0.2	5 BGR	80128013
ML	1.9	0.1	14 LED	80128003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GWBD	0.02	215.9	Pg	11:01:47.510	0.1					T__				md_	ML	1.7
GWBD	0.02	215.9	Sg	11:01:49.370	-0.0					T__				m__		
NAST	0.08	330.6	Pg	11:01:47.554	-0.2					___				mde		
NAST	0.08	330.6	Sg	11:01:49.625	-0.3					___		356.3	0.20	m_e		
GWBE	0.17	97.6	Pg	11:01:48.750	-0.0					T__				md_	ML	2.1
GWBE	0.17	97.6	Sg	11:01:51.570	-0.2					T__				m__		
GWBO	0.20	167.1	Pg	11:01:49.600	0.4					___				m__		
GWBO	0.20	167.1	Sg	11:01:53.000	0.6					___		5.0		m__		
FACH	0.23	11.9	Pg	11:01:49.430	-0.3					T__				mc_	ML	1.7
FACH	0.23	11.9	Sg	11:01:53.180	-0.1					T__				m__		
HECH	0.29	126.0	Pg	11:01:50.800	0.2					___				m__	ML	2.2
HECH	0.29	126.0	Sg	11:01:55.500	0.7					___				m__		
KOE	0.32	338.1	Pg	11:01:51.194	0.0					___				m_e		
BODE	0.33	131.8	Pg	11:01:51.170	-0.1					T__				md_	ML	1.9
BODE	0.33	131.8	Sg	11:01:55.940	0.0					T__				m__		
ABH	0.34	224.1	Pg	11:01:51.290	-0.3					T__				mc_	ML	1.8
ABH	0.34	224.1	Sg	11:01:55.222	-1.2					___				m_e		
GWBC	0.35	40.2	Pg	11:01:51.540	-0.1					T__				m__	ML	2.0
GWBC	0.35	40.2	Sg	11:01:56.570	0.1					T__				m__		

TNS	0.35	74.3	Pg	11:01:51.560	-0.1	T__			md_ ML	1.9
TNS	0.35	74.3	Sg	11:01:56.260	-0.4	T__			m__	
BGG	0.38	281.9	Pg	11:01:52.255	0.0	___			m_e	
OCHT	0.42	300.5	Pg	11:01:52.600	-0.2	T__			m__ ML	1.8
OCHT	0.42	300.5	Sg	11:01:58.390	-0.2	T__			m__	
BHE	0.52	295.6	Pg	11:01:54.440	-0.3	T__			m__	
BHE	0.52	295.6	Sg	11:02:02.670	0.9	___	74.3	0.15	m_e	
IMS	0.54	181.3	P*	11:01:54.840		T__			md_ ML	1.9
IMS	0.54	181.3	S*	11:02:01.980		T__			m__	
DREI	0.54	101.2	Pg	11:01:54.800	-0.3	___			m__ ML	1.6
DREI	0.54	101.2	Sg	11:02:01.900	-0.6	___	0.1		m__	
WBB	0.56	120.7	P*	11:01:55.240		T__			m__ ML	1.8
WBB	0.56	120.7	Sg	11:02:02.900	0.1	___	0.1		m__	
LAGB	0.57	294.2	Pg	11:01:55.520	-0.1	T__			m__ ML	1.7
ERNH	0.63	123.5	Pg	11:01:56.800	0.1	___			m__ ML	2.4
ERNH	0.63	123.5	Sg	11:02:05.200	0.2	___	0.4		m__	
AHRW	0.68	307.8	P*	11:01:57.330		T__			m__ ML	1.7
AHRW	0.68	307.8	Sg	11:02:06.100	-0.5	___	0.1		m__	
WBA	0.75	129.1	P*	11:01:58.290		T__			m__ ML	1.9
WBA	0.75	129.1	S*	11:02:08.690		T__			m__	
TDN	0.77	306.0	P*	11:01:58.830		T__			m__	
TDN	0.77	306.0	Sg	11:02:09.530	0.3	___	36.7	0.25	m_e	
WBS	0.79	329.4	Pg	11:01:59.380	-0.3	___			m_e	
WBS	0.79	329.4	Sg	11:02:09.810	-0.2	___	35.9	0.43	m_e	
HILG	0.81	282.1	Pg	11:02:00.009	-0.0	___			m_e	
KTD	0.82	172.4	Sg	11:02:10.980	0.1	___			m_e	
STB	0.83	304.5	Pg	11:02:00.343	-0.1	___			mce	
EBSD	0.83	46.2	Pg	11:02:00.500	0.0	___			m__ ML	2.0
EBSD	0.83	46.2	Sg	11:02:11.300	-0.1	___	0.1		m__	
LOH	0.89	274.0	P*	11:02:01.070		T__			m__	
LOH	0.89	274.0	Sg	11:02:13.570	0.5	___	37.5	0.23	m_e	
WBG	0.91	86.9	Pn	11:02:01.470	-0.5	T__			m__ ML	2.2
WBG	0.91	86.9	Sg	11:02:13.100	-0.8	___	0.1		m__	
HOBG	0.93	336.7	Pg	11:02:01.643	-0.6	___			m_e	
MILB	0.93	108.3	Pg	11:02:02.223	-0.1	___			m_e ML	2.3
MILB	0.93	108.3	Sg	11:02:14.615	0.1	___			m_e	
GWBF	1.00	52.7	Pg	11:02:03.500	-0.0	___			m__ ML	1.8
OLFT	1.02	291.4	Pg	11:02:03.730	-0.3	___			m_e	
OLFT	1.02	291.4	Sg	11:02:17.380	-0.0	___			m_e	
BLI	1.05	276.3	Pn	11:02:03.520	-0.3	T__			m__ ML	1.9
KAST	1.12	16.2	Pg	11:02:04.671	-1.1	___			m_e ML	1.9
KAST	1.12	16.2	Sg	11:02:18.916	-1.5	___			m_e	
PLH	1.12	321.8	Pg	11:02:05.030	-0.8	___			m_e	
PLH	1.12	321.8	Sg	11:02:19.590	-0.8	___			m_e	
GSH	1.15	302.3	Sg	11:02:20.740	-0.7	___	20.9	0.25	m_e	
ENTS	1.16	344.1	Sg	11:02:20.340	-1.3	___			m_e	
SORT	1.22	1.5	Pg	11:02:06.250	-1.4	___			m_e	
SORT	1.22	1.5	Sg	11:02:22.080	-1.5	___	21.8	0.27	m_e	
BRET	1.22	155.6	Sg	11:02:23.460	-0.2	T__			m__ ML	1.9
WLF	1.23	248.5	Sg	11:02:23.907	0.1	___			m_e ML	2.0
BUG	1.37	342.9	Sg	11:02:26.737	-1.7	___			m_e ML	2.0

DATA\_TYPE ARRIVAL: REVIEWED IMS1.0

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