

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 81103001 Switzerland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/03	00:20:06.00	0.07	1.08	46.0878	7.0796	1.5	1.3	125	10.0f		228	38	043			m i ke	LDG	81103021
2018/11/03	00:20:12.37	0.72	1.48	46.2730	6.7710				0.0		24	14	323	2.21	3.60	m i ke	BUG	81103011
2018/11/03	00:20:06.20	0.86		46.0850	7.0220	6.7	5.6	051	20.6	1.0	24	14	304	1.33	3.59	m i ke	BGR	81103001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.7	0.0	2 LDG	81103021
ML	3.0	0.3	36 LDG	81103021
MD	3.2	0.6	12 BUG	81103011
ML	3.4	0.2	12 BUG	81103011
ML	2.8	0.3	9 BGR	81103001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	1.33	20.0	Pg	00:20:31.947	0.4					T__				m_e	ML 2.9
BALST	1.33	20.0	Sg	00:20:48.554	-0.4					T__				m_e	
SULZ	1.63	26.9	Pg	00:20:36.985	-0.0					T__				m_e	ML 2.9
SULZ	1.63	26.9	Sg	00:20:58.073	-0.1					T__				m_e	
METMA	1.83	26.9	Pg	00:20:40.187	-0.7					T__				m_e	ML 2.5
METMA	1.83	26.9	Sg	00:21:03.462	-1.2					T__				m_e	
WILA	1.85	43.5	Pg	00:20:41.110	-0.2					T__				m_e	
WILA	1.85	43.5	Sg	00:21:05.509	0.1					T__				m_e	
PLONS	1.89	58.4	Pg	00:20:40.939	-1.0					T__				m_e	ML 2.7
PLONS	1.89	58.4	Sg	00:21:06.412	-0.0					T__				m_e	
BERGE	1.95	23.4	Pg	00:20:42.412	-0.8					T__				m_e	
SLE	1.96	30.3	Pg	00:20:42.737	-0.5					T__				m_e	
ECH	2.13	2.5	Pg	00:20:46.349	-0.2					T__				m_e	ML 2.4
ECH	2.13	2.5	Sg	00:21:13.689	-0.5					T__				m_e	
EMING	2.20	33.8	Pg	00:20:47.123	-0.6					T__				m_e	ML 2.9
EMING	2.20	33.8	Sg	00:21:14.988	-1.2					T__				m_e	
WALHA	2.20	39.9	Pg	00:20:47.214	-0.6					T__				m_e	ML 3.0
WALHA	2.20	39.9	Sg	00:21:14.831	-1.5					T__				m_e	
A101B	2.28	26.5	Pg	00:20:48.500	-0.9					___				m__	ML 3.0
A101B	2.28	26.5	Sg	00:21:17.100	-1.9					___		0.2		m__	
A103C	2.41	44.0	Pg	00:20:51.400	-0.3					___				m__	ML 3.5
A103C	2.41	44.0	Sg	00:21:23.200	0.3					___		0.4		m__	
BFO	2.41	21.1	Pg	00:20:51.462	-0.4					T__				m_e	
A103D	2.43	44.3	Pg	00:20:51.800	-0.4					___				m__	ML 3.2
A103D	2.43	44.3	Sg	00:21:23.200	-0.5					___		0.2		m__	
A102A	2.53	35.0	Pg	00:20:53.600	-0.5					___				m__	ML 3.0
A102A	2.53	35.0	Sg	00:21:25.600	-1.3					___		0.1		m__	
OBER	2.60	58.3	Pg	00:20:54.352	-1.0					T__				m_e	ML 2.3
OBER	2.60	58.3	Sg	00:21:28.545	-0.5					T__				m_e	
A105A	2.60	58.3	Pg	00:20:55.200	-0.2					___				m__	ML 3.2
A105A	2.60	58.3	Sg	00:21:28.500	-0.6					___		0.2		m__	
UBR	2.64	51.8	Pg	00:20:56.015	-0.1					T__				m_e	ML 3.0
UBR	2.64	51.8	Sg	00:21:29.888	-0.5					T__				m_e	
A104A	2.69	41.8	Pg	00:20:56.800	-0.3					___				m__	ML 3.3
A104A	2.69	41.8	Sg	00:21:30.100	-1.9					___		0.2		m__	
A100A	2.70	27.9	Pg	00:20:56.800	-0.4					___				m__	ML 3.2

A104C	2.72	40.3	Pg	00:20:56.500	-1.0	---										m__	ML	3.3	
A104C	2.72	40.3	Sg	00:21:30.900	-1.8	---											m__		
A109A	2.88	34.1	Pg	00:21:00.000	-0.6	---									0.2		m__	ML	3.2
A107C	2.90	47.1	Pg	00:21:00.900	-0.1	---											m__		
A107C	2.90	47.1	Sg	00:21:38.100	-0.5	---									0.5		m__		
A108A	2.96	39.1	Pg	00:21:01.100	-1.0	---											m__	ML	3.4
A108A	2.96	39.1	Sg	00:21:40.000	-0.4	---									0.2		m__		
FUR	3.56	52.8	Pg	00:21:13.500	0.1	---											m__	ML	3.5
NORI	3.59	41.5	Pg	00:21:13.300	-0.6	T__											m_e	ML	3.3

Event 81108001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/08	04:46:33.28	0.86	1.04	51.4142	16.0028	4.8	4.2	052	0.0	4.4	41	15	008			m i sr	ZAMG	81108011
2018/11/08	04:46:32.18	0.40	0.70	51.5320	16.0850	4.4	2.2	023	1.0f		37	16	224	0.70	3.59	m i ki	BGR	81108001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	14 ZAMG	81108011
ML	3.1	0.3	16 BGR	81108001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.70	169.2	Pg	04:46:45.703	0.3					T__				m_e	ML 2.3
KSP	0.70	169.2	Sg	04:46:55.364	0.9					T__				m_e	
DPC	1.19	172.7	Pg	04:46:54.453	-0.2					T__				m_e	ML 3.5
DPC	1.19	172.7	Sg	04:47:10.374	0.4					T__				m_e	
BRG	1.50	244.7	Pg	04:46:59.751	-0.6					T__				m_e	ML 2.9
BRG	1.50	244.7	Sg	04:47:19.945	0.3					T__				m_e	
FBE	1.82	251.4	Pn	04:47:04.849	1.1					T__				m_e	ML 2.6
FBE	1.82	251.4	Pg	04:47:06.097	-0.3					T__				m_e	
FBE	1.82	251.4	Sg	04:47:29.197	-0.7					T__				m_e	
CLL	1.94	264.6	Pn	04:47:04.473	-0.9					T__				m_e	ML 2.8
CLL	1.94	264.6	Pg	04:47:07.424	-1.2					T__				m_e	
CLL	1.94	264.6	Sg	04:47:33.150	-0.5					T__				m_e	
MORC	1.98	151.7	Pn	04:47:05.889	-0.1					T__				m_e	ML 3.4
MORC	1.98	151.7	Sg	04:47:34.958	-0.2					T__				m_e	
OKC	2.14	141.6	Pn	04:47:07.867	-0.3					T__				m_e	ML 2.7
OKC	2.14	141.6	Sg	04:47:39.073	-1.1					T__				m_e	
TANN	2.54	245.3	Pn	04:47:13.672	0.1					T__				m_e	ML 3.2
TANN	2.54	245.3	Pg	04:47:20.839	0.8					T__				m_e	
TANN	2.54	245.3	Sg	04:47:52.561	-0.3					T__				m_e	
WERD	2.61	247.0	Pn	04:47:14.407	-0.2					T__				m_e	ML 3.0
WERD	2.61	247.0	Pg	04:47:20.288	-1.1					T__				m_e	
WERD	2.61	247.0	Sg	04:47:55.274	0.1					T__				m_e	
MOX	2.94	254.2	Pn	04:47:18.795	-0.2					T__				m_e	ML 3.4
MOX	2.94	254.2	Pg	04:47:27.165	-0.5					T__				m_e	
MOX	2.94	254.2	Sg	04:48:07.058	1.4					T__				m_e	
MANZ	2.95	240.0	Pn	04:47:19.521	0.4					T__				m_e	ML 3.2
MANZ	2.95	240.0	Sg	04:48:07.368	1.4					T__				m_e	
ROTZ	3.03	235.8	Pn	04:47:20.733	0.6					T__				m_e	ML 3.0
ROTZ	3.03	235.8	Sg	04:48:08.793	0.5					T__				m_e	
GEC2	3.09	210.5	Pn	04:47:21.860	0.8					T__				m_e	ML 3.1
GEC2	3.09	210.5	Sg	04:48:09.803	-0.5					T__				m_e	

WET	3.14	221.8	Pn	04:47:22.566	0.8	T__	m_e	ML	3.0
WET	3.14	221.8	Sg	04:48:11.804	-0.3	T__	m_e		
CLZ	3.55	277.2	Pn	04:47:27.944	0.6	T__	m_e	ML	3.2
CLZ	3.55	277.2	Sg	04:48:25.705	0.6	T__	m_e		
GRA1	3.59	241.1	Pn	04:47:28.490	0.7	T__	m_e	ML	3.6
GRA1	3.59	241.1	Sg	04:48:26.556	0.3	T__	m_e		

Event 81108004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/08	19:23:42.00	0.28	0.88	50.4495	18.4563	8.2	4.2	167	1.0f		73	26	320			m i sr	LDG	81108014
2018/11/08	19:23:37.70	0.32	1.30	50.1560	18.7020	6.7	4.4	178	1.0f		33	21	144	0.48	5.25	m i ki	BGR	81108004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.1	0.4	33 LDG	81108014
ML	4.3	0.4	20 BGR	81108004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OKC	0.48	228.4	Pg	19:23:47.680	1.0					T__				m_e	ML 3.1
OKC	0.48	228.4	Sg	19:23:54.982	2.1					T__				m_e	
OJC	0.70	84.4	Pg	19:23:50.194	-0.8					T__				m_e	
OJC	0.70	84.4	Sg	19:23:59.503	-0.6					T__				m_e	
MORC	0.84	243.5	Pg	19:23:53.943	0.5					T__				m_e	ML 4.3
MORC	0.84	243.5	Sg	19:24:05.445	1.2					T__				m_e	
DPC	1.53	278.2	Pn	19:24:05.358	-0.1					T__				m_e	ML 4.7
DPC	1.53	278.2	Pg	19:24:06.193	-0.4					T__				m_e	
DPC	1.53	278.2	Sg	19:24:27.291	0.9					T__				m_e	
KSP	1.68	295.1	Pn	19:24:07.097	-0.3					T__				m_e	ML 3.7
KSP	1.68	295.1	Pg	19:24:08.852	-0.5					T__				m_e	
BRG	3.11	285.2	Pn	19:24:28.045	1.2					T__				m_e	ML 4.0
BRG	3.11	285.2	Pg	19:24:35.643	-0.7					T__				m_e	
BRG	3.11	285.2	Sg	19:25:16.142	-0.3					T__				m_e	
FBE	3.48	284.7	Sg	19:25:27.804	-0.5					T__				m_e	ML 4.1
GEC2	3.50	249.9	Pg	19:24:42.954	-0.7					T__				m_e	ML 4.4
GEC2	3.50	249.9	Sg	19:25:28.740	-0.2					T__				m_e	
CLL	3.79	289.9	Pn	19:24:37.675	1.7					T__				m_e	ML 4.4
CLL	3.79	289.9	Pg	19:24:48.562	-0.5					T__				m_e	
CLL	3.79	289.9	Sg	19:25:39.431	1.5					T__				m_e	
RUE	3.85	308.9	Pg	19:24:50.481	0.2					T__				m_e	ML 4.4
RUE	3.85	308.9	Sg	19:25:41.420	1.4					T__				m_e	
WET	3.90	257.2	Sg	19:25:39.786	-1.9					T__				m_e	ML 4.5
TANN	3.99	276.1	Sg	19:25:45.314	0.7					T__				m_e	ML 4.3
WERD	4.09	276.5	Sg	19:25:46.382	-1.4					T__				m_e	ML 4.2
PLN	4.19	277.0	Sg	19:25:48.711	-2.1					T__				m_e	ML 4.3
ROTZ	4.19	267.2	Sg	19:25:51.316	0.3					T__				m_e	ML 4.3
MANZ	4.23	270.2	Sg	19:25:49.248	-3.0					T__				m_e	ML 4.4
NEUB	4.51	286.1	Sg	19:26:02.674	1.7					T__				m_e	ML 4.8
MOX	4.54	278.9	Sg	19:26:03.787	1.8					T__				m_e	ML 4.3
GRA1	4.84	267.4	Sg	19:26:10.748	-0.6					T__				m_e	ML 4.6
FLT1	5.15	297.8	Sg	19:26:22.462	1.1					T__				m_e	ML 4.2
FUR	5.25	250.5	Sg	19:26:24.955	0.6					T__				m_e	ML 5.0

Event 81110001 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/10	07:59:36.23	0.20	1.09	46.2893	13.2007	1.8	1.2	035	10.0	0.0	61	17	005			m i uk	ZAMG	81110011
2018/11/10	07:59:37.09	1.04	0.44	46.1630	13.4160	14.5	11.1	112	10.0f		12	11	300	1.63	5.24	m i ke	BGR	81110001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	21 ZAMG	81110011
ML	3.0	0.2	5 BGR	81110001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	1.63	345.2	Pn	08:00:04.259	-0.8					T__				m_e	ML 2.6
FUR	2.47	324.7	Pn	08:00:16.465	-0.0					T__				m_e	ML 3.1
GEC2	2.69	4.0	Pn	08:00:19.742	0.3					T__				m_e	ML 2.8
UBR	2.72	305.1	Pn	08:00:20.118	0.2					T__				m_e	ML 3.0
WET	3.00	353.3	Pn	08:00:23.309	-0.4					T__				m_e	
NORI	3.18	324.6	Sn	08:01:00.649	-0.8					T__				m_e	ML 3.3
ROTZ	3.69	347.8	Pn	08:00:32.306	-0.7					T__				m_e	
MANZ	3.92	347.6	Sn	08:01:18.658	-0.2					T__				m_e	
BFO	4.08	304.0	Pn	08:00:37.833	-0.4					T__				m_e	
MOX	4.64	345.7	Pn	08:00:45.408	-0.5					T__				m_e	
MOX	4.64	345.7	Sn	08:01:35.578	-0.1					T__				m_e	
TNS	5.24	322.6	Pn	08:00:54.561	0.6					T__				m_e	

Event 81110003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/10	09:26:29.89	0.39	0.59	50.2618	19.0535	4.3	2.0	162	0.0	0.0	22	3	005			m i sr	ZAMG	81110013
2018/11/10	09:26:30.03	0.39	1.20	50.1800	19.1330	12.2	5.6	174	1.0f		10	6	158	0.43	3.77	m i ki	BGR	81110003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.1	3 ZAMG	81110013
ML	3.1	0.5	5 BGR	81110003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.43	84.4	Pn	09:26:39.381	-3.4					T__				m_e	
OKC	0.72	242.0	Pg	09:26:44.450	0.8					__				m_e	ML 2.2
OKC	0.72	242.0	Sg	09:26:54.825	1.9					T__				m_e	
MORC	1.10	249.1	Pn	09:26:50.909	-1.0					T__				m_e	ML 3.2
MORC	1.10	249.1	Sg	09:27:05.804	0.8					T__				m_e	
DPC	1.80	276.5	Pn	09:27:02.081	0.6					T__				m_e	ML 3.8
DPC	1.80	276.5	Sg	09:27:25.925	-1.4					T__				m_e	
KSP	1.92	291.3	Pn	09:27:03.379	0.3					T__				m_e	ML 2.7
KSP	1.92	291.3	Pg	09:27:06.265	-0.0					T__				m_e	
KSP	1.92	291.3	Sg	09:27:31.274	0.1					T__				m_e	
GEC2	3.77	251.3	Pg	09:27:39.582	-1.5					T__				m_e	ML 3.4

Event 81112004 Stockach, N of Singen

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/12	11:49:16.99	0.25	1.60	47.9251	8.9607	3.0	1.4	067	0.0	0.0	12	1	005			m i sm	ZAMG	81112024
2018/11/12	11:49:16.86	0.43		47.9930	9.0490	6.7	3.3	026	20.1	2.7	12	7	167	0.17	1.02	m i ke	BGR	81112014
2018/11/12	11:49:16.79	0.06	0.13	47.9920	9.0670	0.8	0.5	099	21.0	1.0	62	32	042	0.09	1.13	m i ke	LED	81112004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.0	2 ZAMG	81112024
ML	1.5	0.3	5 BGR	81112014
ML	2.0	0.3	27 LED	81112004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GUT	0.09	22.2	Pg	11:49:20.670	-0.0					T__				mci	ML 2.0
GUT	0.09	22.2	Sg	11:49:23.510	0.1					T__				m__	
EMING	0.18	236.8	Pg	11:49:21.720	0.1					T__				mci	ML 2.0
EMING	0.18	236.8	Sg	11:49:25.380	0.4					T__				m__	
MSS	0.20	339.3	Pg	11:49:22.070	0.1					T__				mdi	ML 2.2
MSS	0.20	339.3	Sg	11:49:25.850	0.3					T__				m__	
WALHA	0.24	171.0	Pg	11:49:22.560	-0.0					T__				mdi	ML 1.6
WALHA	0.24	171.0	Sg	11:49:27.150	0.6					T__				m__	
FREU	0.25	10.8	Pg	11:49:22.620	-0.0					T__				mdi	ML 1.3
FREU	0.25	10.8	Sg	11:49:26.630	-0.1					T__				m__	
BHBD	0.26	350.7	Pg	11:49:22.900	0.1					T__				md__	
SAUL	0.30	85.9	Pg	11:49:23.310	-0.1					T__				m__	
ROTE	0.31	301.5	Pg	11:49:23.650	0.0					T__				mc__	ML 2.3
ROTE	0.31	301.5	Sg	11:49:28.410	0.1					T__				m__	
BALG	0.32	333.2	Pg	11:49:23.720	0.0					T__				m__	
BALG	0.32	333.2	Sg	11:49:28.560	0.1					T__				m__	
JUNG	0.34	356.4	Pg	11:49:24.070	-0.0					T__				mc__	
STEIN	0.35	202.5	Pg	11:49:24.330	0.1					T__				mdi	ML 2.5
STEIN	0.35	202.5	Sg	11:49:29.840	0.5					T__				m__	
ZWI	0.37	43.8	Pg	11:49:24.380	-0.2					T__				mc__	ML 2.0
ZWI	0.37	43.8	Sg	11:49:29.830	-0.1					T__				m__	
MSGN	0.42	359.2	Pg	11:49:25.340	-0.1					T__				m__	
MSGN	0.42	359.2	PmP	11:49:25.990	-1.1					T__				m__	
MSGN	0.42	359.2	Sg	11:49:31.430	0.1					T__				m__	
MSGN	0.42	359.2	SmS	11:49:32.840	-1.2					T__				m__	
SLE	0.45	239.8	Pg	11:49:25.780	-0.1					T__				mc__	ML 2.6
SLE	0.45	239.8	PmP	11:49:26.350	-1.1					T__				m__	
SLE	0.45	239.8	Sg	11:49:32.150	-0.0					T__				m__	
SLE	0.45	239.8	SmS	11:49:33.550	-1.3					T__				m__	
ROMAN	0.46	157.0	Pg	11:49:26.160	-0.1					T__				md__	ML 1.5
ROMAN	0.46	157.0	Sg	11:49:32.810	0.1					T__				m__	
TETT	0.49	131.9	Sg	11:49:33.930	0.3					T__				m__	ML 2.6
TUBL	0.53	1.1	Pg	11:49:26.990	-0.4					T__				md__	ML 1.9
TUBL	0.53	1.1	PmP	11:49:27.200	-1.6					T__				m__	
TUBL	0.53	1.1	Sg	11:49:34.240	-0.4					T__				m__	
WILA	0.59	190.6	Pg	11:49:28.450	0.0					T__				md__	ML 2.2
WILA	0.59	190.6	PmP	11:49:28.850	-0.8					T__				m__	
WILA	0.59	190.6	Sg	11:49:36.830	0.4					T__				m__	

BFO	0.60	304.8	Pn	11:49:28.310	-1.2	T__	m__ ML	2.0
BFO	0.60	304.8	Pg	11:49:28.570	-0.0	T__	m__	
BFO	0.60	304.8	Sn	11:49:36.520	-1.8	T__	m__	
BERGE	0.61	258.9	Pn	11:49:28.470	-1.2	T__	m__ ML	1.6
BERGE	0.61	258.9	Sg	11:49:37.040	0.0	T__	m__	
METMA	0.61	243.2	Pg	11:49:28.430	-0.5	T__	mc_ ML	1.6
METMA	0.61	243.2	Sg	11:49:36.970	-0.2	T__	m__	
FELD	0.72	261.2	Pn	11:49:30.360	-0.8	T__	m__ ML	1.4
FELD	0.72	261.2	Pg	11:49:30.620	-0.2	T__	m__	
FELD	0.72	261.2	Sg	11:49:40.450	-0.0	T__	m__	
DEGG	0.75	34.7	Pn	11:49:30.450	-1.1	T__	m__ ML	1.9
DEGG	0.75	34.7	Sg	11:49:41.570	0.2	T__	m__	
UBR	0.76	113.6	Pg	11:49:31.620	-0.0	T__	m__ ML	2.0
UBR	0.76	113.6	Sg	11:49:42.230	0.4	T__	m__	
KIZ	0.77	267.8	Pg	11:49:31.230	-0.5	T__	m__ ML	1.8
OPP	0.77	311.1	Sg	11:49:41.690	-0.4	T__	m__ ML	1.8
SULZ	0.79	234.5	Pg	11:49:30.980	-1.1	___	mc_ ML	2.0
SULZ	0.79	234.5	Sg	11:49:42.680	0.0	T__	m__	
GALG	0.82	346.7	Pg	11:49:31.990	-0.6	T__	md_ ML	1.7
URBA	0.91	22.0	Pg	11:49:33.650	-0.7	T__	m__ ML	1.9
URBA	0.91	22.0	Sg	11:49:45.890	-0.5	T__	m__	
BABA	0.93	321.7	Sg	11:49:46.070	-0.9	T__	m__ ML	2.1
VOGT	0.94	276.0	Pg	11:49:34.180	-0.6	T__	mc_ ML	2.0
VOGT	0.94	276.0	Sg	11:49:47.030	-0.2	T__	m__	
OBER	1.01	124.9	Sg	11:49:49.943	0.5	___	m_e	
BALST	1.13	235.1	Pn	11:49:35.540	-1.2	T__	mc_ ML	1.9

Event 81113003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/13	03:08:47.05	0.47	0.98	51.3049	15.8517	3.8	2.6	040	0.0	0.0	40	14	004			m i sr	ZAMG	81113013
2018/11/13	03:08:43.67	0.59	1.12	51.5110	16.1700	10.0	4.4	023	1.0f		22	13	224	0.67	3.63	m i ki	BGR	81113003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	13 ZAMG	81113013
ML	3.0	0.3	13 BGR	81113003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.67	173.3	Pg	03:08:57.033	0.7					T__				m_e ML	2.3
DPC	1.16	175.2	Pg	03:09:05.783	0.2					T__				m_e ML	3.4
DPC	1.16	175.2	Sg	03:09:23.286	2.6					T__				m_e	
BRG	1.53	246.3	Sg	03:09:32.418	0.0					T__				m_e ML	2.8
FBE	1.86	252.6	Pn	03:09:17.982	2.2					T__				m_e ML	2.8
FBE	1.86	252.6	Sg	03:09:42.769	0.0					T__				m_e	
MORC	1.94	152.8	Pn	03:09:17.785	0.9					T__				m_e ML	3.4
MORC	1.94	152.8	Sg	03:09:46.429	1.1					T__				m_e	
CLL	1.99	265.4	Pn	03:09:17.110	-0.4					T__				m_e ML	2.9
CLL	1.99	265.4	Pg	03:09:20.225	-0.9					T__				m_e	
OKC	2.09	142.4	Sg	03:09:50.993	0.9					T__				m_e ML	2.8
TANN	2.58	246.3	Pn	03:09:26.112	0.5					T__				m_e ML	3.2
TANN	2.58	246.3	Sg	03:10:04.510	-1.1					T__				m_e	

ROTZ	3.06	236.8	Pn	03:09:32.877	0.8	T__	m_e	ML	3.0
ROTZ	3.06	236.8	Pg	03:09:39.503	-1.8	T__	m_e		
ROTZ	3.06	236.8	Sg	03:10:21.722	0.9	T__	m_e		
GEC2	3.10	211.6	Pn	03:09:34.286	1.7	T__	m_e	ML	3.2
GEC2	3.10	211.6	Pg	03:09:40.390	-1.7	T__	m_e		
WET	3.16	222.9	Pn	03:09:34.503	1.0	T__	m_e	ML	3.0
WET	3.16	222.9	Pg	03:09:40.489	-2.8	T__	m_e		
CLZ	3.61	277.5	Pn	03:09:41.164	1.6	T__	m_e	ML	3.2
GRA1	3.63	241.8	Sg	03:10:39.979	1.1	T__	m_e	ML	3.5

Event 81117008 Backnang, NE of Stuttgart

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/17	01:19:36.00	0.09	0.44	48.8173	9.5780	1.5	1.3	119	11.0f		59	13	117			m i ke	LDG	81117058
2018/11/17	01:19:35.54	0.38	0.71	48.7563	9.6044	3.0	1.7	008	4.4	5.8	30	6	004			m i uk	ZAMG	81117048
2018/11/17	01:19:35.29	0.29	0.51	48.8230	9.5690				5.9	2.4	29	17	084	0.12	2.25	m i ke	BUG	81117038
2018/11/17	01:19:36.10		0.61	48.8500	9.5300				12.0	2.0	26	16	173			m i uk	HLNUG	81117028
2018/11/17	01:19:35.43	0.16		48.8400	9.5610	1.1	1.1	120	15.2	2.0	46	24	078	0.25	2.42	m i ke	BGR	81117018
2018/11/17	01:19:35.89	0.10	0.19	48.8180	9.5840	0.9	0.7	335	11.0	2.0	58	30	063	0.02	1.65	m i ke	LED	81117008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.2	16 LDG	81117058
ML	1.9	0.2	7 ZAMG	81117048
MD	2.6	0.2	11 BUG	81117038
ML	2.5	0.1	10 BUG	81117038
ML	1.6	0.3	14 HLNUG	81117028
ML	2.0	0.3	13 BGR	81117018
ML	1.8	0.2	33 LED	81117008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
URBA	0.02	3.7	Pg	01:19:37.980	0.2					T__				mci	ML	1.9
URBA	0.02	3.7	Sg	01:19:39.510	0.4					T__				m__		
A106B	0.11	125.4	Pg	01:19:38.810	0.1					---				m__	ML	1.8
A106B	0.11	125.4	Sg	01:19:40.990	0.4					---		1.0		m__		
DEGG	0.23	157.9	Pg	01:19:40.690	0.1					T__				mdi	ML	1.9
DEGG	0.23	157.9	Sg	01:19:44.050	0.3					T__				m__		
STU	0.26	259.7	Pg	01:19:41.210	0.0					T__				mc_	ML	2.0
STU	0.26	259.7	Sg	01:19:44.980	0.2					T__				m__		
A109A	0.38	192.5	Pg	01:19:43.540	0.2					---				m__	ML	2.3
A109A	0.38	192.5	Sg	01:19:49.080	0.6					---		0.2		m__		
REUL	0.40	216.4	Pg	01:19:43.750	0.1					T__				mc_		
REUL	0.40	216.4	Sg	01:19:49.280	0.2					T__				m__		
TUBL	0.44	228.4	Pg	01:19:44.370	-0.1					T__				mci	ML	1.8
TUBL	0.44	228.4	Sg	01:19:50.360	0.0					T__				m__		
HDH	0.47	119.4	Pg	01:19:45.030	0.0					T__				mdi	ML	2.0
HDH	0.47	119.4	Sg	01:19:51.500	0.3					T__				m__		
WOER	0.49	65.8	Pg	01:19:45.290	-0.0					T__				mc_	ML	1.6
WOER	0.49	65.8	Sg	01:19:51.650	-0.1					T__				m__		
A108A	0.50	160.7	Pg	01:19:45.520	0.1					---				m__	ML	2.0
A108A	0.50	160.7	Sg	01:19:52.230	0.2					---		0.2		m__		
GALG	0.53	266.8	Pg	01:19:45.960	-0.1					T__				mc_	ML	2.2

GALG	0.53	266.8	Sg	01:19:52.820	-0.2	T__	m__	
SIND	0.53	1.5	Pg	01:19:46.150	0.1	T__	md_ ML	2.0
SIND	0.53	1.5	Sg	01:19:52.980	-0.1	T__	m__	
MSGN	0.54	220.5	Pg	01:19:46.250	0.1	T__	mc_	
A100A	0.57	230.2	Pg	01:19:46.740	-0.0	---	m_ ML	2.2
A100A	0.57	230.2	Sg	01:19:54.390	0.2	---	m__	
ZWI	0.57	189.2	Pg	01:19:46.790	0.0	T__	mc_ ML	1.8
ZWI	0.57	189.2	Sg	01:19:54.590	0.3	T__	m__	
BRET	0.62	288.7	Pg	01:19:47.930	0.2	T__	m_ ML	1.9
BRET	0.62	288.7	Sg	01:19:55.880	0.1	T__	m__	
FREU	0.65	207.1	Pg	01:19:48.430	0.1	T__	mc_ ML	1.6
FREU	0.65	207.1	Sg	01:19:57.200	0.3	T__	m__	
ONST	0.66	216.1	Pg	01:19:48.570	0.1	T__	m__	
NORI	0.69	97.7	Pg	01:19:49.249	0.2	---	m_e ML	1.9
NORI	0.69	97.7	Sg	01:19:58.197	0.1	---	m_e	
A104C	0.69	176.0	Pg	01:19:49.220	0.1	---	m_ ML	2.1
A104C	0.69	176.0	Sg	01:19:58.550	0.4	---	m__	
A102A	0.72	200.8	Pg	01:19:49.690	0.0	---	m_ ML	2.0
A102A	0.72	200.8	Sg	01:19:59.550	0.4	---	m__	
MSS	0.76	213.0	Pg	01:19:50.450	0.1	T__	mc_ ML	1.6
MSS	0.76	213.0	Sg	01:20:00.570	0.3	T__	m__	
GUT	0.81	202.8	Pg	01:19:51.220	-0.0	T__	mc_ ML	1.8
GUT	0.81	202.8	Sg	01:20:02.350	0.6	T__	m__	
A107C	0.90	152.7	Pg	01:19:53.190	0.3	---	m_ ML	2.6
A107C	0.90	152.7	Sg	01:20:05.530	1.0	---	m__	
A107D	0.90	152.9	Pg	01:19:53.200	0.3	---	m_ ML	2.2
A107D	0.90	152.9	Sg	01:20:05.500	0.9	---	m__	
ROTE	0.90	222.7	Pn	01:19:52.330	-1.5	T__	m_ ML	2.0
ROTE	0.90	222.7	Pg	01:19:52.840	-0.1	T__	mc_	
ROTE	0.90	222.7	Sg	01:20:04.600	-0.0	T__	m__	
BABA	0.92	264.4	Pn	01:19:53.260	-0.9	T__	m_ ML	1.7
BABA	0.92	264.4	Sn	01:20:05.020	-2.0	T__	m__	
BFO	0.96	240.0	Pn	01:19:53.930	-0.8	T__	m_ ML	1.7
BFO	0.96	240.0	Pg	01:19:54.260	0.1	T__	md_	
BFO	0.96	240.0	Sn	01:20:05.770	-2.2	T__	m__	
WBA	0.97	329.4	Pg	01:19:54.010	-0.3	T__	md_ ML	1.7
WBA	0.97	329.4	Sg	01:20:07.480	0.5	T__	m__	
OPP	0.98	251.4	Pn	01:19:54.220	-0.7	T__	m_ ML	2.1
OPP	0.98	251.4	Pg	01:19:54.530	0.1	T__	m__	
OPP	0.98	251.4	Sn	01:20:05.630	-2.6	T__	m__	
A101B	0.98	224.8	Pg	01:19:54.300	-0.1	---	m_ ML	2.2
A101B	0.98	224.8	Sg	01:20:07.340	0.2	---	m__	
TMO22	1.00	294.1	Sg	01:20:10.030	2.2	---	m__	
A103D	1.02	181.3	Sg	01:20:08.940	0.6	---	m__	
MILB	1.03	349.5	Pg	01:19:54.950	-0.4	T__	mc_ ML	2.5
MILB	1.03	349.5	Sg	01:20:08.760	0.1	T__	m__	
A103C	1.03	182.6	Sg	01:20:09.280	0.5	---	m__	
EMING	1.04	208.2	Pn	01:19:54.338	-1.5	---	m_e ML	2.1
EMING	1.04	208.2	Pg	01:19:55.820	0.2	T__	m__	
EMING	1.04	208.2	Sg	01:20:08.661	-0.6	---	m_e	
WALHA	1.11	196.2	Pg	01:19:57.060	0.2	T__	md_ ML	2.0
WALHA	1.11	196.2	Sg	01:20:11.940	0.7	T__	m__	
ERNH	1.11	330.3	Pg	01:19:56.200	-0.7	---	m_ ML	1.7
ERNH	1.11	330.3	Sg	01:20:11.300	-0.0	---	m__	

WBB	1.19	329.9	Pg	01:19:57.900	-0.4	___	m__ ML	1.8
WBB	1.19	329.9	Sg	01:20:13.620	-0.1	T__	m__	
UBR	1.19	162.7	Pg	01:19:58.576	0.2	___	m_e ML	2.0
UBR	1.19	162.7	Sn	01:20:12.490	-0.8	T__	m__	
UBR	1.19	162.7	Sg	01:20:14.570	0.8	T__	m__	
PEB	1.25	282.2	Sg	01:20:15.900	0.1	T__	m__ ML	1.8
SLE	1.28	215.0	Pn	01:19:57.480	-1.5	T__	m__ ML	2.2
SLE	1.28	215.0	Pg	01:19:59.710	-0.3	T__	m__	
SLE	1.28	215.0	Sn	01:20:14.217	-1.1	___	m_e	
SLE	1.28	215.0	Sg	01:20:16.470	-0.1	T__	m__	
GRC1	1.29	81.3	Pg	01:19:59.120	-1.1	T__	m__ ML	1.8
FUR	1.30	119.7	Sn	01:20:15.242	-0.6	___	m_e ML	2.1
FUR	1.30	119.7	Sg	01:20:17.532	0.3	___	m_e	
BERGE	1.33	225.2	Pn	01:19:57.940	-1.8	T__	m__ ML	1.5
BERGE	1.33	225.2	Pg	01:20:00.640	-0.4	T__	m__	
BERGE	1.33	225.2	Sg	01:20:17.661	-0.6	___	m_e	
IMS	1.35	305.8	Pg	01:20:01.500	0.2	___	m__ ML	1.0
IMS	1.35	305.8	Sg	01:20:18.000	-0.8	___	m__	
WBG	1.36	353.5	Pg	01:20:01.000	-0.6	___	m__ ML	2.1
WBG	1.36	353.5	Sg	01:20:18.670	-0.6	___	m__	
GRA1	1.38	50.1	Pn	01:19:59.330	-1.1	___	m__ ML	1.6
GRA1	1.38	50.1	Pg	01:20:01.558	-0.4	___	m_e	
GRA1	1.38	50.1	Sg	01:20:19.647	-0.2	___	m_e	
KIZ	1.40	232.7	Pn	01:19:59.020	-1.7	___	m__ ML	1.6
BE1	1.42	129.2	Sg	01:20:21.253	0.3	___	m_e	
METMA	1.42	219.2	Pg	01:20:02.180	-0.5	___	m__ ML	1.3
METMA	1.42	219.2	Sg	01:20:20.588	-0.4	___	m_e	
GRB4	1.45	62.5	Pg	01:20:02.400	-0.8	___	m__ ML	1.7
WILA	1.47	198.1	Pg	01:20:04.010	0.3	___	m__ ML	2.3
WILA	1.47	198.1	Sn	01:20:19.290	-0.7	___	m__	
WILA	1.47	198.1	Sg	01:20:23.320	0.5	___	m__	
DAVA	1.54	172.5	Sg	01:20:25.540	0.5	___	m__ ML	1.6
TNS	1.59	332.7	Pn	01:20:03.500	0.3	___	m__ ML	1.1
TNS	1.59	332.7	Sg	01:20:25.403	-1.0	___	m_e	
SULZ	1.62	217.8	Sg	01:20:27.199	-0.3	___	m_e	
ENDD	1.65	228.8	Pn	01:20:01.810	-2.2	___	m__ ML	1.4
ENDD	1.65	228.8	Pg	01:20:07.060	-0.0	___	m__	
ENDD	1.65	228.8	Sn	01:20:22.560	-1.6	___	m__	
ENDD	1.65	228.8	Sg	01:20:27.440	-1.0	___	m__	
ABH	1.70	309.5	Pg	01:20:07.600	-0.4	___	m__ ML	1.6
ECH	1.72	250.4	Pg	01:20:08.203	-0.1	___	m_e	
ECH	1.72	250.4	Sg	01:20:29.473	-1.0	___	m_e	
HROE	1.76	12.0	Pg	01:20:08.344	-0.7	___	m_e ML	1.4
HROE	1.76	12.0	Sg	01:20:30.226	-1.6	___	m_e	
PLONS	1.77	184.5	Sg	01:20:32.424	0.1	___	m_e	
GWBC	1.79	332.1	Pg	01:20:09.500	-0.2	___	m__ ML	1.2
SPAHL	1.85	6.4	Sg	01:20:32.931	-1.7	___	m_e	
BALST	1.95	221.1	Pg	01:20:12.871	0.3	___	m_e	
BALST	1.95	221.1	Sg	01:20:37.416	-0.4	___	m_e	
CRUX	1.95	23.2	Pg	01:20:11.500	-1.2	___	m__ ML	1.9
MOX	2.25	34.9	Pn	01:20:10.981	-1.2	___	m_e ML	2.6
MOX	2.25	34.9	Sg	01:20:46.096	-1.3	___	m_e	
RJOB	2.39	115.6	Sg	01:20:52.693	0.7	___	m_e	

0.0

Event 81117007 Aachen, Dutch-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/17	05:25:00.70	0.14	1.72	50.5991	6.2631	2.9	2.3	148	6.0f		198	35	032			m i ke	LDG	81117067
2018/11/17	05:25:01.59		0.47	50.6520	6.4220				4.0	3.7	24	14	100	0.33	2.74	m i ke	BUG	81117057
2018/11/17	05:25:02.00		0.67	50.6800	6.4300				8.0	4.0	39	21	191			m i uk	HLNUG	81117047
2018/11/17	05:25:01.00	0.36	0.11	50.6760	6.3110				7.2	1.8		15	141			m i ke	GDNRW	81117037
2018/11/17	05:25:01.47	0.14	0.28	50.6770	6.2980	1.6	1.4	331	6.0f		39	25	095	0.08	3.24	m i ke	LED	81117027
2018/11/17	05:25:01.71	0.18	1.20	50.6740	6.3600	3.3	2.2	130	10.0f		41	22	066	0.23	3.34	m i ke	BGR	81117017
2018/11/17	05:25:01.40	0.77	0.31	50.6680	6.3000				4.0	1.9		35	093	0.02	1.44	m i ke	BNS	81117007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.3	41 LDG	81117067
MD	2.9	0.3	12 BUG	81117057
ML	3.4	0.4	9 BUG	81117057
ML	2.4	0.3	21 HLNUG	81117047
ML	2.6		GDNRW	81117037
ML	2.6	0.2	18 LED	81117027
ML	2.8	0.4	15 BGR	81117017
ML	2.8		BNS	81117007

Effects _____ Loctyp Location Intensity Scale Author
 Summar 3.0- 4.0 EMS GDNRW

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KLL	0.02	161.4	Pg	05:25:02.369	0.2					T__				mdi	
KLL	0.02	161.4	Sg	05:25:03.188	0.4					T__		7279.2	0.13	m_e	
DREG	0.04	263.3	Pg	05:25:02.591	0.1					T__				mde	
DREG	0.04	263.3	Sg	05:25:03.465	0.3					T__		9769.9	0.37	m_e	
GSH	0.08	36.6	Pg	05:25:03.130	0.0					---				mci ML	2.6
GSH	0.08	36.6	Sg	05:25:04.420	0.1					---		4176.0	0.31	m__	
BA11	0.16	52.2	Pg	05:25:04.677	0.2					T__				mci	
BA14	0.17	88.7	Pg	05:25:04.889	0.2					T__				mci	
ACN	0.17	308.1	Pg	05:25:04.860	0.1					---				m__	
ACN	0.17	308.1	Sg	05:25:07.260	0.2					---		1476.3	0.19	m__	
BA03	0.18	17.8	Pg	05:25:04.966	0.1					T__				mci	
BA01	0.19	306.4	Pg	05:25:05.156	0.2					T__				mci	
OLFT	0.19	156.3	Pg	05:25:05.210	0.2					---				mci	
OLFT	0.19	156.3	Pg	05:25:05.210	0.2					---				mci	
OLFT	0.19	156.3	Sg	05:25:07.900	0.4					---				m_e	
OLFT	0.19	156.3	Sg	05:25:07.990	0.4					---				m__	
MEM	0.19	252.4	Pg	05:25:05.184	0.1					T__				mci ML	2.1
MEM	0.19	252.4	Sg	05:25:07.955	0.3					T__				m_e	
BD08	0.25	30.5	Pg	05:25:06.673	0.5					T__				m_e	
JUE	0.25	15.6	Pg	05:25:06.478	0.3					T__				mce	
JUE	0.25	15.6	Sg	05:25:10.644	1.2					T__		3247.0	0.49	m_e	
HGN	0.25	292.5	Pg	05:25:06.270	0.1					---				m__ ML	3.2
HGN	0.25	292.5	Sg	05:25:09.580	0.1					---		1.2		m__	
BD05	0.29	23.2	Pg	05:25:07.213	0.3					T__				m_e	
BD15	0.31	36.6	Sg	05:25:12.135	0.9					T__		1625.5	0.37	m_e	
BA04	0.33	73.1	Pg	05:25:08.134	0.5					T__				mci	

BA05	0.34	42.5	Pg	05:25:08.506	0.7	T__			m_e		
BA05	0.34	42.5	Sg	05:25:14.192	2.0	T__	2042.3	0.42	m_e		
STB	0.35	102.0	Pg	05:25:08.182	0.1	T__			mci		
STB	0.35	102.0	Sg	05:25:12.523	-0.1	T__	449.2	0.22	m_e		
BA06	0.36	45.4	Pg	05:25:08.935	0.7	T__			m_e		
BD01	0.36	35.9	Pg	05:25:08.898	0.7	T__			mci		
BD01	0.36	35.9	Sg	05:25:14.325	1.4	T__			m_e		
BD07	0.36	40.5	Pg	05:25:09.021	0.7	T__			m_e		
BD07	0.36	40.5	Sg	05:25:14.359	1.4	T__	1440.8	0.31	m_e		
BD17	0.38	9.8	Pg	05:25:08.956	0.3	T__			mci		
BA15	0.40	83.5	Pg	05:25:09.165	0.2	T__			m_e		
BD14	0.42	8.0	Pg	05:25:09.476	0.2	T__			mce		
BD14	0.42	8.0	Sg	05:25:15.540	0.8	T__			m_e		
TDN	0.42	102.6	Pg	05:25:09.450	0.1	---			m__		
TDN	0.42	102.6	Sg	05:25:14.830	0.1	---	586.0	0.23	m__		
RWB	0.44	348.1	Sg	05:25:15.540	0.0	---			m_e		
BA10	0.44	96.8	Pg	05:25:10.054	0.3	T__			mde		
HILG	0.45	147.2	Pg	05:25:10.166	0.3	T__			mci		
PLH	0.47	44.1	Pg	05:25:10.310	0.0	---			mc_		
PLH	0.47	44.1	Sg	05:25:16.170	-0.2	---			m_e		
RODG	0.48	351.0	Pg	05:25:10.801	0.3	T__			mci		
RODG	0.48	351.0	Sg	05:25:17.470	0.7	T__	402.7	0.41	m_e		
BA21	0.50	56.4	Pg	05:25:11.068	0.3	T__			mce		
LOH	0.51	162.7	Pg	05:25:11.240	0.2	---			m__		
LOH	0.51	162.7	Sg	05:25:17.740	0.2	---	161.4	0.41	m_e		
BA08	0.57	58.5	Pg	05:25:12.355	0.1	T__			m_e		
LAGB	0.59	120.8	Pg	05:25:12.540	-0.1	---			m__ ML	2.3	
LAGB	0.59	120.8	Sg	05:25:21.700	1.4	---	0.3		m__		
BA09	0.63	61.5	Pg	05:25:13.203	-0.0	T__			m_e		
BNS	0.63	61.5	Pg	05:25:13.254	0.0	T__			mci		
BNS	0.63	61.5	Sg	05:25:21.868	0.5	T__	412.4	0.25	m_e		
WBS	0.64	77.1	Pg	05:25:13.390	-0.0	---			m__		
WBS	0.64	77.1	Sg	05:25:21.310	-0.4	---	712.5	0.27	m__		
BHE	0.64	119.1	Pg	05:25:13.490	-0.0	---			m__		
DEP14	0.65	109.5	Pg	05:25:13.520	-0.1	---			m__ ML	2.8	
DEP14	0.65	109.5	Sg	05:25:21.650	-0.3	---			m__		
DEP02	0.69	110.7	P*	05:25:14.750		---			m__ ML	3.0	
DEP02	0.69	110.7	S*	05:25:23.200		---			m__		
NICK	0.69	110.7	Pg	05:25:14.230	-0.3	---			m__ ML	3.1	
NICK	0.69	110.7	Sg	05:25:22.510	-1.0	---			m__		
WILW	0.70	195.7	P*	05:25:14.830		---			m__ ML	2.5	
HOBG	0.73	63.8	Pg	05:25:14.995	-0.1	T__			mci		
HOBG	0.73	63.8	Sg	05:25:25.376	0.9	T__	964.7	0.21	m_e		
OCHT	0.75	115.7	P*	05:25:15.490		---			m__ ML	2.5	
LAUG	0.79	30.4	Pg	05:25:16.438	0.1	T__			m_e		
LAUG	0.79	30.4	Sg	05:25:27.405	0.7	T__	151.7	0.49	m_e		
BGG	0.81	124.6	Pg	05:25:16.792	0.2	T__			m_e		
BGG	0.81	124.6	Sg	05:25:27.964	0.9	T__	465.4	0.17	m_e		
HES	0.84	33.4	P*	05:25:16.960		---			m__ ML	2.6	
HES	0.84	33.4	Pg	05:25:16.700	-0.6	---			m__		
HES	0.84	33.4	Sg	05:25:28.200	0.1	---	234.1	0.16	m__		
RCHB	0.85	233.6	Pg	05:25:17.190	-0.3	---			m_e ML	2.4	
RCHB	0.85	233.6	Sg	05:25:29.336	0.8	---			m_e		
BRH3	0.86	11.4	Sg	05:25:30.180	1.4	---	2.8		m__ ML	4.2	

ENTS	0.90	50.2	Pg	05:25:17.680	-0.8	---				m_e	
ENTS	0.90	50.2	Sg	05:25:29.830	-0.3	---				m_e	
KOE	0.94	104.4	Pg	05:25:19.486	0.3	T_				mde	
BIW	0.98	85.7	P*	05:25:19.380		---				md_ ML	2.6
OPLO	0.98	344.3	Pg	05:25:20.633	0.8	---				m_e ML	3.5
OPLO	0.98	344.3	Sg	05:25:34.619	2.1	---				m_e	
ZER1	0.98	19.4	Pg	05:25:20.140	0.2	---				m_ ML	3.3
ZER1	0.98	19.4	Sg	05:25:33.650	1.0	---		2.0		m_	
BKLB	0.98	37.9	Pg	05:25:20.250	0.3	---				m_	
BUG	0.98	37.9	Pg	05:25:20.120	0.2	T_				m_e ML	2.8
BUG	0.98	37.9	Sg	05:25:32.923	0.2	T_	265.3	0.32		m_e	
BULI	0.99	37.1	Pg	05:25:20.260	0.2	---				m_ ML	3.2
BULI	0.99	37.1	Sg	05:25:33.550	0.6	---		1.6		m_	
BTEZ	0.99	37.9	Pg	05:25:19.940	-0.2	---				m_ ML	3.2
XAN	1.00	4.4	Sg	05:25:32.910	-0.2	---				m_e	
RIVT	1.01	162.6	Pg	05:25:20.555	0.2	---				m_e	
RIVT	1.01	162.6	Sg	05:25:34.072	0.7	---				m_e	
WLF	1.01	185.4	Pg	05:25:20.663	0.3	---				m_e ML	2.7
WLF	1.01	185.4	Sg	05:25:35.236	1.8	---				m_e	
ZERL	1.02	20.3	Pg	05:25:20.540	-0.0	---				m_	
ZERL	1.02	20.3	Sg	05:25:34.390	0.6	---		2.6		m_	
WMG	1.06	176.8	P*	05:25:21.620		---				mc_ ML	3.1
NAST	1.10	114.8	Sg	05:25:36.621	0.2	T_	237.4	0.16		m_e	
ABH	1.12	134.1	Pg	05:25:22.797	0.3	---				m_e ML	2.7
ABH	1.12	134.1	Sg	05:25:37.801	0.8	---				m_e	
FACH	1.12	105.5	P*	05:25:22.480		---				m_ ML	2.6
BAVS	1.16	26.5	Sg	05:25:39.230	1.1	---		1.3		m_ ML	3.2
GWBD	1.16	117.9	Pn	05:25:23.230	-0.5	---				m_	
GWBD	1.16	117.9	Sn	05:25:38.180	-1.3	---				m_	
BAVN	1.19	25.4	Pg	05:25:23.660	-0.1	---				m_ ML	3.4
BAVN	1.19	25.4	Sg	05:25:39.940	0.8	---		1.8		m_	
UCC	1.23	276.8	Pn	05:25:24.452	-0.3	---				m_e ML	2.0
UCC	1.23	276.8	Sg	05:25:41.656	1.0	---				m_e	
SORT	1.25	56.4	Pg	05:25:24.330	-0.7	---				m_e	
SORT	1.25	56.4	Sg	05:25:40.500	-0.7	---	331.0	0.50		m_e	
SORT	1.25	56.4	Sg	05:25:41.290	0.1	---	331.0	0.50		m_	
GWBC	1.28	101.7	Pg	05:25:25.600	0.0	---				m_ ML	2.5
GWBC	1.28	101.7	Sg	05:25:41.850	-0.3	---				m_	
GWBO	1.30	123.5	Pg	05:25:26.800	0.8	---				m_ ML	2.7
GWBO	1.30	123.5	Sg	05:25:42.400	-0.4	---		0.4		m_	
GWBE	1.32	114.4	Pg	05:25:26.100	-0.3	---				m_ ML	2.5
GWBE	1.32	114.4	Sg	05:25:42.840	-0.6	---				m_	
HMES	1.33	41.6	Pg	05:25:26.940	0.4	---				m_ ML	2.6
HMES	1.33	41.6	Sg	05:25:43.960	0.2	---		0.3		m_	
WTSB	1.34	13.3	Pn	05:25:25.724	-0.4	---				m_e ML	3.2
WTSB	1.34	13.3	Sg	05:25:43.272	-0.6	---				m_e	
WBFO	1.35	93.2	Pg	05:25:26.300	-0.5	---				m_ ML	2.4
WBFO	1.35	93.2	Sg	05:25:43.100	-1.2	---		0.2		m_	
KAST	1.44	67.3	Pn	05:25:27.391	-0.1	---				m_e ML	2.6
KAST	1.44	67.3	Sg	05:25:45.427	-1.6	T_				m_e	
TNS	1.44	107.2	Pn	05:25:27.200	-0.3	T_				m_e ML	2.5
TNS	1.44	107.2	Pg	05:25:28.432	-0.1	---				m_e	
TNS	1.44	107.2	Sg	05:25:45.854	-1.2	T_				m_e	
BODE	1.48	119.9	Pg	05:25:29.862	0.5	---				m_e ML	2.6

BODE	1.48	119.9	Sg	05:25:46.278	-2.3	---												m_e	
IMS	1.49	135.7	Pn	05:25:29.300	1.2	---												m__ ML	2.0
IMS	1.49	135.7	Sn	05:25:48.500	1.4	---					0.1							m__	
EBSD	1.63	87.8	Pn	05:25:31.800	1.7	---												m__ ML	2.4
EBSD	1.63	87.8	Sn	05:25:51.200	0.8	---					0.1							m__	
DREI	1.69	111.6	Pn	05:25:30.500	-0.4	---												m__ ML	2.0
DREI	1.69	111.6	Sn	05:25:51.500	-0.4	---					0.1							m__	
WBB	1.72	117.8	Sn	05:25:51.400	-1.2	---					0.0							m__ ML	1.8
IBBN	1.87	28.4	Pn	05:25:35.200	1.8	---												m__ ML	3.1
IBBN	1.87	28.4	Sg	05:25:59.824	-1.1	---												m_e	
WBA	1.91	121.2	Pn	05:25:34.400	0.6	---												m__ ML	2.2
WBA	1.91	121.2	Sn	05:25:56.200	-0.7	---					0.1							m__	
WBG	2.00	103.2	Pn	05:25:34.960	-0.2	---												m__ ML	2.8
WBG	2.00	103.2	Sn	05:26:00.100	0.9	---					0.1							m__	
WBNH	2.09	94.5	Sn	05:26:03.300	2.1	---					0.1							m__ ML	2.3
MILB	2.09	112.5	Pn	05:25:36.533	0.2	---												m_e ML	3.0
MILB	2.09	112.5	Sn	05:26:01.300	0.0	---					0.1							m__	
MILB	2.09	112.5	Sg	05:26:07.377	-0.4	---												m_e	
SPAHL	2.29	89.0	Pn	05:25:39.051	0.0	---												m_e	
UBBA	2.35	84.9	Sg	05:26:13.303	-2.7	---												m_e ML	2.6
BFO	2.68	149.8	Pn	05:25:45.068	0.7	---												m_e	
BFO	2.68	149.8	Sn	05:26:14.916	-0.3	---												m_e	
CLZ	2.81	63.7	Pn	05:25:47.215	1.2	---												m_e ML	3.0
CLZ	2.81	63.7	Pg	05:25:51.100	-3.2	---												m__	
CLZ	2.81	63.7	Sg	05:26:28.784	-1.7	---												m_e	
BERGE	3.05	155.6	Pn	05:25:50.398	1.0	---												m_e	
BERGE	3.05	155.6	Sn	05:26:24.249	0.3	---												m_e	
BERGE	3.05	155.6	Sg	05:26:36.462	-1.9	---												m_e	
EMING	3.23	148.1	Sg	05:26:43.191	-0.9	---												m_e	
SLE	3.24	152.9	Pn	05:25:52.540	0.7	---												m__ ML	3.2
MOX	3.37	88.3	Pn	05:25:54.008	0.3	---												m_e ML	2.8
MOX	3.37	88.3	Sg	05:26:45.402	-3.0	---												m_e	
WIMM	3.38	73.4	Sg	05:26:46.206	-2.5	---												m_e ML	3.0

Event 81117009 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/17	10:50:39.80	0.28	0.88	46.5764	12.5362	5.2	3.1	072	7.0f		97	28	145			m i ke	LDG	81117029
2018/11/17	10:50:35.92	0.13	1.31	46.5453	12.5265	0.9	0.6	012	13.7	2.3	63	15	004			m i uk	ZAMG	81117019
2018/11/17	10:50:38.54	0.30	1.02	46.5570	12.5380	4.4	2.2	177	10.0f		54	29	194	0.76	4.56	m i ke	BGR	81117009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.3	34 LDG	81117029
ML	3.3	0.3	21 ZAMG	81117019
ML	3.4	0.4	29 BGR	81117009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KBA	0.76	46.3	Pg	10:50:51.359	-1.6					T__				m_e ML	2.7
KBA	0.76	46.3	Sg	10:51:01.992	-0.8					T__				m_e	
WTTA	0.94	319.3	Pg	10:50:54.578	-1.7					T__				m_e ML	3.1
WTTA	0.94	319.3	Sg	10:51:07.136	-1.3					T__				m_e	

RJOB	1.19	8.4	Pg	10:50:59.130	-2.0	T__	m_e ML	2.8
RJOB	1.19	8.4	Sg	10:51:17.178	0.6	T__	m_e	
OBKA	1.38	91.2	Pg	10:51:03.173	-1.5	T__	m_e ML	3.0
OBKA	1.38	91.2	Sg	10:51:22.379	-0.2	T__	m_e	
KW1	1.57	1.4	Pg	10:51:08.332	0.2	T__	m_e ML	3.1
KW1	1.57	1.4	Sg	10:51:30.696	2.3	T__	m_e	
BE1	1.62	327.0	Pg	10:51:08.368	-0.8	T__	m_e ML	3.4
BE1	1.62	327.0	Sg	10:51:32.645	2.5	T__	m_e	
MOA	1.75	41.6	Pg	10:51:10.220	-1.3	T__	m_e ML	3.0
MOA	1.75	41.6	Sg	10:51:34.177	0.1	T__	m_e	
OBER	1.75	299.8	Pg	10:51:10.654	-0.9	T__	m_e ML	2.7
OBER	1.75	299.8	Sg	10:51:35.613	1.4	T__	m_e	
FUR	1.82	332.4	Pg	10:51:12.102	-0.8	T__	m_e ML	3.4
FUR	1.82	332.4	Sg	10:51:36.294	-0.1	T__	m_e	
DAVA	1.96	292.9	Pg	10:51:15.206	-0.2	T__	m_e ML	3.6
DAVA	1.96	292.9	Sg	10:51:41.646	0.9	T__	m_e	
UBR	2.00	305.1	Pg	10:51:14.984	-1.3	T__	m_e ML	3.5
UBR	2.00	305.1	Sg	10:51:42.677	0.6	T__	m_e	
ARSA	2.15	70.1	Sg	10:51:46.304	-0.7	T__	m_e ML	2.8
GEC2	2.42	18.5	Pn	10:51:18.176	1.0	T__	m_e ML	3.2
GEC2	2.42	18.5	Sg	10:51:53.900	-1.5	T__	m_e	
WET	2.60	4.9	Pn	10:51:20.697	1.0	T__	m_e ML	3.2
WET	2.60	4.9	Sg	10:52:00.853	-0.2	T__	m_e	
WALHA	2.61	298.5	Sg	10:52:01.446	-0.1	T__	m_e ML	3.5
WILA	2.62	290.4	Sg	10:52:01.598	-0.3	T__	m_e ML	3.7
EMING	2.84	299.4	Pn	10:51:25.082	2.1	T__	m_e ML	3.3
EMING	2.84	299.4	Sg	10:52:07.752	-1.1	T__	m_e	
SLE	3.00	295.2	Pn	10:51:27.134	2.0	T__	m_e ML	4.2
SLE	3.00	295.2	Sg	10:52:12.465	-1.5	T__	m_e	
METMA	3.14	293.2	Pn	10:51:28.685	1.7	T__	m_e ML	3.2
METMA	3.14	293.2	Sg	10:52:16.860	-1.3	T__	m_e	
SULZ	3.17	289.5	Sg	10:52:18.151	-1.1	T__	m_e ML	3.8
ROTZ	3.22	356.2	Pn	10:51:28.622	0.6	T__	m_e ML	3.4
ROTZ	3.22	356.2	Sg	10:52:21.341	0.5	T__	m_e	
BERGE	3.24	295.5	Pn	10:51:30.025	1.7	T__	m_e ML	3.3
BERGE	3.24	295.5	Sg	10:52:21.695	0.2	T__	m_e	
BFO	3.35	303.5	Pn	10:51:31.431	1.5	T__	m_e ML	3.6
BFO	3.35	303.5	Sg	10:52:24.119	-1.0	T__	m_e	
BALST	3.40	285.0	Pn	10:51:32.570	2.1	T__	m_e ML	3.6
BALST	3.40	285.0	Sg	10:52:26.547	0.1	T__	m_e	
MANZ	3.44	355.4	Pn	10:51:31.916	0.8	T__	m_e ML	3.4
MANZ	3.44	355.4	Sg	10:52:27.849	-0.1	T__	m_e	
MILB	3.92	327.7	Pn	10:51:39.474	1.9	T__	m_e ML	4.1
MILB	3.92	327.7	Sg	10:52:42.404	-0.8	T__	m_e	
ECH	4.00	296.5	Pn	10:51:40.194	1.5	T__	m_e ML	3.4
ECH	4.00	296.5	Sg	10:52:43.896	-1.8	T__	m_e	
MOX	4.13	351.9	Pn	10:51:41.356	0.9	T__	m_e ML	3.5
MOX	4.13	351.9	Sg	10:52:48.814	-1.1	T__	m_e	
TNS	4.56	325.0	Pn	10:51:48.720	2.4	T__	m_e ML	3.8
TNS	4.56	325.0	Sg	10:53:04.786	1.3	T__	m_e	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/18	06:37:19.70	0.09	0.63	48.6220	7.8685	2.0	1.3	005	8.0f		42	10	075			m i ke	LDG	81118037
2018/11/18	06:37:18.05	1.05	0.84	48.6710	7.7760				0.0		12	6	324	0.50	1.40	m i ke	BUG	81118027
2018/11/18	06:37:20.24	0.90	0.26	48.6050	7.9140	7.8	3.3	010	10.0f		14	7	262	0.39	1.08	m i ke	BGR	81118017
2018/11/18	06:37:19.91	0.40	0.19	48.5980	7.9120	3.6	2.1	122	5.0f		27	15	110	0.21	1.19	m i ke	LED	81118007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	0.1	2.7	2 LDG	81118037
ML	2.1	0.2	11 LDG	81118037
MD	2.5	1.3	6 BUG	81118027
ML	2.3	0.2	6 BUG	81118027
ML	1.4	0.3	4 BGR	81118017
ML	1.2	0.1	16 LED	81118007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OPP	0.21	118.9	Pg	06:37:23.980	0.1					T__				mci	ML 1.1
OPP	0.21	118.9	Sg	06:37:27.140	0.5					T__				m__	
BABA	0.22	56.8	Pg	06:37:24.150	-0.0					T__				m__	ML 1.0
BABA	0.22	56.8	Sg	06:37:27.520	0.4					T__				m__	
BFO	0.39	133.9	Pg	06:37:27.340	0.1					T__				mc_	ML 1.1
BFO	0.39	133.9	Sg	06:37:32.790	0.6					T__				m__	
PEB	0.49	344.7	Pg	06:37:28.800	-0.3					---				m__	ML 1.2
PEB	0.49	344.7	PmP	06:37:31.260	-1.7					---				m__	
GALG	0.60	71.5	Pg	06:37:31.300	-0.0					T__				m__	ML 1.2
GALG	0.60	71.5	Sg	06:37:39.600	0.5					T__				m__	
GALG	0.60	71.5	SmS	06:37:43.320	-1.4					---				m__	
ECH	0.63	232.9	Pg	06:37:31.620	-0.2					T__				m__	
ECH	0.63	232.9	Sg	06:37:40.292	0.4					---				m_e	
ECH	0.63	232.9	SmS	06:37:43.240	-2.1					T__				m__	
A101B	0.64	138.3	Pg	06:37:33.530	1.5					---				m__	ML 2.1
A101B	0.64	138.3	Sg	06:37:43.420	3.1					---		0.2		m__	
KIZ	0.64	179.6	Pg	06:37:32.890	0.9					T__				m__	ML 1.3
KIZ	0.64	179.6	PmP	06:37:33.630	-1.6					T__				m__	
KIZ	0.64	179.6	SmS	06:37:43.900	-1.8					T__				m__	
A100A	0.69	101.8	Pg	06:37:33.610	0.7					---				m__	ML 2.0
A100A	0.69	101.8	Sg	06:37:44.060	2.3					---		0.1		m__	
BERGE	0.75	166.2	Pg	06:37:34.529	0.5					---				m_e	ML 1.2
BERGE	0.75	166.2	PmP	06:37:34.740	-2.1					---				m__	
BERGE	0.75	166.2	Sg	06:37:44.430	0.7					T__				m__	
BERGE	0.75	166.2	SmS	06:37:46.980	-1.4					T__				m__	
MSS	0.81	120.7	PmP	06:37:36.730	-1.1					T__				m__	
MSS	0.81	120.7	SmS	06:37:48.750	-1.4					T__				m__	
FREU	0.89	113.6	PmP	06:37:37.610	-1.5					T__				m__	ML 0.9
FREU	0.89	113.6	SmS	06:37:50.960	-1.3					T__				m__	
ENDD	0.89	187.6	Pg	06:37:36.920	0.2					T__				mc_	ML 1.0
ENDD	0.89	187.6	SmS	06:37:50.040	-2.2					---				m__	
METMA	0.91	165.5	Pg	06:37:37.680	0.5					---				m__	ML 1.2
METMA	0.91	165.5	Sg	06:37:49.684	0.7					---				m_e	
METMA	0.91	165.5	SmS	06:37:51.220	-1.7					T__				m__	
SLE	0.92	154.8	Pg	06:37:37.831	0.6					---				m_e	
SLE	0.92	154.8	Sg	06:37:49.933	0.8					---				m_e	
EMING	0.94	138.1	Pg	06:37:38.420	0.8					---				m__	ML 1.5
EMING	0.94	138.1	Sg	06:37:50.495	0.7					---				m_e	

EMING	0.94	138.1	SmS	06:37:52.270	-1.4	---	m_												
GUT	0.96	122.9	Pg	06:37:38.570	0.6	T_	m_ ML	1.4											
GUT	0.96	122.9	SmS	06:37:52.600	-1.6	T_	m_												
A102A	0.97	117.7	Pg	06:37:38.830	0.6	---	m_ ML	2.3											
A102A	0.97	117.7	Sg	06:37:52.230	1.5	---	m_		0.1										
A109A	1.04	98.0	Pg	06:37:40.220	0.8	---	m_ ML	2.4											
A109A	1.04	98.0	Sg	06:37:54.640	1.8	---	m_		0.2										
ZWI	1.08	108.0	Pg	06:37:40.360	0.2	T_	m_ ML	1.3											
ZWI	1.08	108.0	Sg	06:37:55.530	1.4	---	m_												
SULZ	1.08	172.8	Pg	06:37:40.600	0.4	---	m_ ML	1.3											
SULZ	1.08	172.8	Sg	06:37:54.580	0.4	---	m_e												
URBA	1.13	77.1	Pg	06:37:41.540	0.3	---	m_ ML	1.5											
URBA	1.13	77.1	Sg	06:37:56.560	0.7	---	m_												
DEGG	1.19	88.9	Pg	06:37:42.990	0.6	T_	md_ ML	1.4											
A108A	1.30	100.4	Pn	06:37:42.190	-1.8	---	m_ ML	2.6											
A108A	1.30	100.4	Sn	06:38:03.040	2.1	---	m_		0.2										

Event 81118003 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/18	12:48:45.44	0.72	0.84	44.1100	12.5920	11.1	7.8	177	10.0f		29	24	283	2.77	6.73	m i ke	BGR	81118003

Magnitude	Err	Nsta	Author	OrigID
ML	4.3	0.3	11 BGR	81118003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	2.77	29.1	Pn	12:49:28.453	-0.4					T_				m_e ML	4.5
KBA	3.01	9.8	Pn	12:49:32.824	0.6					T_				m_e ML	4.1
WTTA	3.22	348.4	Pn	12:49:35.601	0.6					T_				m_e ML	4.6
RJOB	3.63	2.2	Pn	12:49:41.271	0.7					T_				m_e ML	4.3
OBER	3.67	334.9	Pn	12:49:41.892	0.9					T_				m_e ML	3.9
DAVA	3.70	330.2	Pn	12:49:42.531	1.1					T_				m_e	
PLONS	3.70	323.7	Pn	12:49:42.318	0.8					T_				m_e ML	4.0
PLONS	3.70	323.7	Sn	12:50:23.605	1.6					T_				m_e	
ARSA	3.75	32.1	Pn	12:49:41.968	-0.2					T_				m_e	
MOA	3.92	16.7	Pn	12:49:45.214	0.8					T_				m_e ML	4.0
UBR	3.97	335.1	Pn	12:49:45.307	0.2					T_				m_e	
FUR	4.15	347.8	Pn	12:49:47.727	0.1					T_				m_e	
WILA	4.19	323.4	Pn	12:49:48.043	-0.0					T_				m_e	
SULZ	4.63	319.2	Pn	12:49:53.282	-0.8					T_				m_e	
SLE	4.63	323.5	Pn	12:49:53.204	-1.0					T_				m_e ML	5.0
SLE	4.63	323.5	Sn	12:50:41.926	-2.1					T_				m_e	
BALST	4.70	315.1	Pn	12:49:54.010	-1.0					T_				m_e	
GEC2	4.80	8.8	Pn	12:49:55.977	-0.4					T_				m_e	
NORI	4.81	344.3	Pn	12:49:55.400	-1.1					T_				m_e	
WET	5.04	2.1	Pn	12:49:58.952	-0.7					T_				m_e ML	4.4
WET	5.04	2.1	Sn	12:50:52.811	-0.7					T_				m_e	
BFO	5.15	326.6	Pn	12:50:00.333	-0.8					T_				m_e	
GRA1	5.66	351.0	Pn	12:50:06.794	-1.3					T_				m_e	
ROTZ	5.66	357.5	Pn	12:50:06.649	-1.5					T_				m_e	
MANZ	5.89	357.0	Pn	12:50:09.673	-1.5					T_				m_e ML	4.1
MANZ	5.89	357.0	Sn	12:51:12.478	-0.9					T_				m_e	

MOX	6.57	354.6	Pn	12:50:18.771	-1.6	T__	m_e	ML	4.5
MOX	6.57	354.6	Sn	12:51:28.672	-0.8	T__	m_e		
TNS	6.73	336.8	Pn	12:50:22.103	-0.5	T__	m_e		

Event 81118004 Vaduz/Liechtenstein, Swiss-Liechtenstein-Austrian border reg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/18	13:35:54.40	0.08	0.50	47.1778	9.4944	1.5	1.3	083	2.0	0.0	62	9	079			m i ke	LDG	81118034
2018/11/18	13:35:54.62	0.84	0.59	47.1670	9.4560				3.9	3.5	24	13	260	0.62	3.02	m i ke	BUG	81118024
2018/11/18	13:35:54.41	0.20	1.01	47.1951	9.4698	1.5	1.2	127	2.0	0.0	28	4	004			m i uk	ZAMG	81118014
2018/11/18	13:35:54.69	0.34	0.44	47.1540	9.4740	5.6	3.3	165	5.0f		12	10	146	0.12	3.02	m i ke	BGR	81118004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	9 LDG	81118034
MD	3.2	1.1	10 BUG	81118024
ML	2.6	0.2	10 BUG	81118024
ML	2.1	0.3	11 ZAMG	81118014
ML	1.7	0.5	6 BGR	81118004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
PLONS	0.12	211.1	Pg	13:35:57.336	0.2					T__				m_e	ML 0.8
PLONS	0.12	211.1	Sg	13:35:59.853	1.0					T__				m_e	
DAVA	0.31	64.2	Pg	13:35:59.951	-0.6					T__				m_e	ML 1.3
DAVA	0.31	64.2	Sg	13:36:05.428	0.9					T__				m_e	
WILA	0.46	304.4	Pg	13:36:03.249	-0.2					T__				m_e	ML 1.9
OBER	0.61	65.2	Pg	13:36:06.554	0.3					T__				m_e	
A105A	0.61	65.2	Pg	13:36:06.670	0.4					---				m__	ML 2.1
A105A	0.61	65.2	Sg	13:36:15.820	1.7					---		0.2		m__	
A103C	0.64	2.4	Sg	13:36:15.000	0.0					---				m__	
A103D	0.65	4.5	Pg	13:36:06.560	-0.4					---				m__	ML 2.2
A103D	0.65	4.5	Sg	13:36:15.330	-0.0					---		0.2		m__	
UBR	0.68	38.9	Pg	13:36:07.468	-0.0					T__				m_e	ML 1.7
UBR	0.68	38.9	Sg	13:36:17.280	1.0					---		0.1		m__	
SLE	0.90	313.1	Pg	13:36:11.034	-0.7					T__				m_e	ML 2.4
A104C	0.98	7.1	Pg	13:36:13.070	-0.1					---				m__	ML 2.3
A104C	0.98	7.1	Sg	13:36:25.430	-0.4					---		0.2		m__	
A107C	0.99	29.2	Pg	13:36:14.530	1.1					---				m__	ML 2.8
A107C	0.99	29.2	Sg	13:36:28.090	1.8					---		0.5		m__	
SULZ	1.00	292.6	Pg	13:36:14.385	0.9					T__				m_e	ML 2.1
A102A	1.00	349.5	Pg	13:36:12.940	-0.7					---				m__	ML 2.3
A102A	1.00	349.5	Sg	13:36:27.550	1.0					---		0.2		m__	
A101B	1.15	327.5	Pg	13:36:16.200	-0.1					---				m__	ML 2.5
A101B	1.15	327.5	Sg	13:36:31.490	0.3					---		0.2		m__	
A108A	1.22	11.2	Pg	13:36:17.500	-0.2					---				m__	ML 2.5
A108A	1.22	11.2	Sg	13:36:34.040	0.6					---		0.2		m__	
BALST	1.22	279.2	Pg	13:36:18.048	0.3					T__				m_e	
A109A	1.29	359.5	Pg	13:36:18.710	-0.3					---				m__	ML 2.3
A109A	1.29	359.5	Sg	13:36:35.900	0.2					---		0.1		m__	
A100A	1.35	344.4	Pg	13:36:19.060	-1.1					---				m__	ML 2.5
A100A	1.35	344.4	Sg	13:36:37.430	-0.2					---		0.2		m__	
BFO	1.41	327.2	Pg	13:36:20.893	-0.3					T__				m_e	ML 2.4

BFO	1.41	327.2	Sg	13:36:38.980	-0.4	_____	0.1	m__	
WET	3.02	47.5	Pn	13:36:41.672	-0.4	T__		m_e ML	2.9

Event 81118008 Freudenstadt/Black Forest

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/18	16:23:15.30	0.07	0.56	48.5830	8.6311	1.3	1.0	047	14.0f		81	7	049			m i ke	LDG	81118038
2018/11/18	16:23:15.18	0.62	0.22	48.6050	8.6430				2.0	2.6	17	9	221	0.24	1.19	m i ke	BUG	81118028
2018/11/18	16:23:15.35	0.29	0.21	48.5980	8.6350	3.3	2.2	119	10.0f		19	10	130	0.34	1.30	m i ke	BGR	81118018
2018/11/18	16:23:15.20	0.14	0.29	48.5950	8.6470	1.5	1.4	120	14.0	2.0	46	22	050	0.21	1.30	m i ke	LED	81118008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.1	1	LDG	81118038
ML	2.1	0.3	10 LDG	81118038
MD	2.2	0.1	6 BUG	81118028
ML	2.4	0.3	7 BUG	81118028
ML	1.6	0.3	7 BGR	81118018
ML	1.6	0.2	21 LED	81118008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GALG	0.21	24.8	Pg	16:23:19.820	-0.0					T__				mci ML	1.9
GALG	0.21	24.8	Sg	16:23:22.920	-0.1					T__				m__	
A100A	0.23	127.4	Pg	16:23:20.260	0.1					_____				m__ ML	1.8
A100A	0.23	127.4	Sg	16:23:23.610	-0.0					_____		0.5		m__	
OPP	0.32	252.4	Pg	16:23:21.770	0.1					T__				m__ ML	1.4
OPP	0.32	252.4	Sg	16:23:26.060	-0.1					T__				m__	
BABA	0.32	292.6	Pg	16:23:21.860	0.1					T__				mci ML	1.5
BABA	0.32	292.6	Sg	16:23:26.240	-0.0					T__				m__	
BFO	0.34	218.6	Pg	16:23:22.040	0.0					T__				mci ML	1.6
BFO	0.34	218.6	Sg	16:23:26.680	0.0					T__				m__	
STU	0.40	63.8	Pg	16:23:23.262	0.1					_____				m_e ML	1.5
STU	0.40	63.8	Sg	16:23:28.529	-0.0					_____				m_e	
ROTE	0.44	177.9	Pg	16:23:23.940	0.1					T__				mc_ ML	1.6
ROTE	0.44	177.9	Sg	16:23:29.920	0.1					T__				m__	
MSS	0.47	153.3	Pg	16:23:24.610	0.3					T__				md_ ML	1.5
MSS	0.47	153.3	Sg	16:23:31.120	0.6					T__				m__	
A101B	0.48	187.7	Pg	16:23:24.610	0.0					_____				m__ ML	1.9
A101B	0.48	187.7	Sg	16:23:31.090	0.1					_____		0.1		m__	
FREU	0.48	137.7	Pg	16:23:24.890	0.3					T__				m__ ML	1.0
FREU	0.48	137.7	PmP	16:23:26.150	-1.1					T__				m__	
FREU	0.48	137.7	Sg	16:23:31.430	0.3					T__				m__	
A109A	0.56	105.4	Pg	16:23:26.270	0.3					_____				m__ ML	1.9
A109A	0.56	105.4	Sg	16:23:33.990	0.6					_____		0.1		m__	
A102A	0.58	140.9	Pg	16:23:26.830	0.4					_____				m__ ML	2.0
A102A	0.58	140.9	Sg	16:23:34.330	0.1					_____		0.2		m__	
GUT	0.61	149.1	Pn	16:23:27.200	-1.7					T__				m__ ML	1.4
GUT	0.61	149.1	Sg	16:23:35.510	0.5					T__				m__	
ROTT	0.63	328.6	Pg	16:23:28.140	0.9					T__				m__ ML	1.5
ZWI	0.63	122.2	Sg	16:23:35.770	0.1					T__				m__ ML	1.2
URBA	0.67	68.3	Pg	16:23:27.940	-0.0					T__				mc_ ML	2.0
URBA	0.67	68.3	Sg	16:23:36.620	-0.1					T__				m__	

EMING	0.71	169.2	Pn	16:23:28.960	-1.3	T__	m__ ML	1.6
EMING	0.71	169.2	Pg	16:23:29.580	0.7	T__	m__	
EMING	0.71	169.2	Sg	16:23:38.510	0.3	T__	m__	
A106B	0.73	77.0	Pg	16:23:29.220	0.1	---	m__ ML	2.1
A106B	0.73	77.0	Sg	16:23:38.690	0.0	---	m__	0.2
PEB	0.77	307.9	P*	16:23:30.480		T__	m__ ML	1.6
PEB	0.77	307.9	Sn	16:23:40.840	-1.4	T__	m__	
PEB	0.77	307.9	Sg	16:23:41.600	1.5	T__	m__	
BERGE	0.79	203.5	Pn	16:23:30.230	-1.1	T__	m__ ML	1.5
BERGE	0.79	203.5	Pg	16:23:30.470	0.2	T__	m__	
BERGE	0.79	203.5	Sn	16:23:40.390	-2.2	T__	m__	
BERGE	0.79	203.5	Sg	16:23:41.200	0.6	T__	m__	
KIZ	0.80	217.5	Pn	16:23:30.490	-1.0	T__	m__ ML	1.8
KIZ	0.80	217.5	Pg	16:23:30.630	0.1	T__	m__	
A104C	0.82	124.5	Sg	16:23:41.980	0.5	---	m__	
A108A	0.82	107.0	Pg	16:23:31.260	0.4	---	m__ ML	2.3
A108A	0.82	107.0	Sg	16:23:42.270	0.6	---	m__	0.2
SLE	0.84	187.1	Pg	16:23:30.881	-0.2	---	m_e	
SLE	0.84	187.1	Sg	16:23:42.086	0.1	---	m_e	
WALHA	0.90	159.2	Sg	16:23:44.192	0.1	---	m_e	
METMA	0.92	196.7	Pg	16:23:32.657	-0.1	---	m_e ML	1.5
METMA	0.92	196.7	Sg	16:23:44.668	-0.1	---	m_e	
STEIN	0.94	170.8	Pg	16:23:33.290	0.3	T__	m__ ML	2.0
STEIN	0.94	170.8	Sn	16:23:44.880	-1.2	T__	m__	
STEIN	0.94	170.8	Sg	16:23:45.890	0.7	T__	m__	
SIND	0.98	39.5	Sn	16:23:46.130	-1.0	T__	m__ ML	1.6
HDH	1.03	90.0	Sg	16:23:48.610	0.4	T__	m__ ML	1.7
ECH	1.06	249.6	Pg	16:23:35.350	0.1	T__	m__	
ECH	1.06	249.6	Sg	16:23:48.960	-0.1	T__	m__	
ENDD	1.07	214.9	Pn	16:23:33.680	-1.4	T__	m__ ML	1.6
ENDD	1.07	214.9	Pg	16:23:35.260	-0.2	T__	m__	
ENDD	1.07	214.9	Sn	16:23:46.980	-2.2	T__	m__	
ENDD	1.07	214.9	Sg	16:23:49.130	-0.3	T__	m__	
SULZ	1.12	198.7	Pg	16:23:36.658	0.1	---	m_e ML	1.8
SULZ	1.12	198.7	Sg	16:23:51.198	0.1	---	m_e	
WOER	1.15	67.8	Sg	16:23:51.730	-0.1	T__	m__ ML	1.7
A107C	1.18	118.6	Pg	16:23:37.670	0.1	---	m__ ML	3.1
A107C	1.18	118.6	Sg	16:23:53.700	0.7	---	m__	0.5
MILB	1.30	18.6	Pg	16:23:40.093	0.2	---	m_e ML	2.0
MILB	1.30	18.6	Sg	16:23:56.530	-0.3	T__	m__	

Event 81120003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/20	06:15:53.70	0.39	0.93	51.6100	16.2000				1.0f		28	14	203			m i sr	LDG	81120023
2018/11/20	06:15:59.97	0.53	1.15	51.2534	15.9123	3.9	3.3	001	0.0	0.0	48	17	004			m i sr	ZAMG	81120013
2018/11/20	06:15:57.24	0.36	0.58	51.4920	16.1650	4.4	2.2	014	1.0f		33	17	200	0.65	3.62	m i ki	BGR	81120003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	1.7	1	LDG	81120023
ML	3.4	0.2	17 ZAMG	81120013
ML	3.8	0.3	14 BGR	81120003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	172.9	Pg	06:16:09.403	-0.2					T__				m_e	ML 3.1
KSP	0.65	172.9	Sg	06:16:18.412	0.4					T__				m_e	
DPC	1.15	175.0	Pg	06:16:18.256	-0.6					T__				m_e	ML 4.1
BRG	1.52	246.9	Pn	06:16:23.947	-0.9					T__				m_e	ML 3.5
BRG	1.52	246.9	Pg	06:16:25.584	-0.4					T__				m_e	
BRG	1.52	246.9	Sg	06:16:46.171	0.5					T__				m_e	
FBE	1.85	253.1	Pn	06:16:29.471	0.2					T__				m_e	ML 3.4
FBE	1.85	253.1	Sg	06:16:55.685	-0.4					T__				m_e	
MORC	1.92	152.5	Pn	06:16:29.961	-0.3					T__				m_e	ML 4.0
MORC	1.92	152.5	Sg	06:16:57.952	-0.4					T__				m_e	
CLL	1.98	265.9	Pn	06:16:30.268	-0.8					T__				m_e	ML 3.6
CLL	1.98	265.9	Sg	06:17:00.154	-0.0					T__				m_e	
OKC	2.08	142.0	Pn	06:16:31.854	-0.5					T__				m_e	ML 3.4
OKC	2.08	142.0	Pg	06:16:36.794	0.4					T__				m_e	
TANN	2.57	246.7	Pn	06:16:39.117	0.1					T__				m_e	ML 3.9
TANN	2.57	246.7	Pg	06:16:45.305	-0.4					T__				m_e	
OJC	2.62	117.6	Pn	06:16:38.302	-1.4					T__				m_e	
OJC	2.62	117.6	Pg	06:16:46.915	0.2					T__				m_e	
OJC	2.62	117.6	Sg	06:17:21.907	1.3					T__				m_e	
WERD	2.64	248.2	Pn	06:16:40.076	0.0					T__				m_e	ML 3.8
WERD	2.64	248.2	Pg	06:16:46.766	-0.3					T__				m_e	
MANZ	2.98	241.2	Pn	06:16:44.995	0.5					T__				m_e	ML 3.9
MANZ	2.98	241.2	Pg	06:16:53.745	0.4					T__				m_e	
MOX	2.98	255.3	Pn	06:16:44.721	0.1					T__				m_e	ML 4.1
MOX	2.98	255.3	Pg	06:16:52.892	-0.5					T__				m_e	
MOX	2.98	255.3	Sg	06:17:32.994	1.0					T__				m_e	
ROTZ	3.05	237.0	Pn	06:16:45.717	0.2					T__				m_e	ML 3.7
GEC2	3.08	211.8	Pn	06:16:46.396	0.4					T__				m_e	ML 3.9
GEC2	3.08	211.8	Sg	06:17:35.240	0.1					T__				m_e	
WET	3.15	223.1	Pn	06:16:47.081	0.2					T__				m_e	
CLZ	3.61	277.8	Pn	06:16:54.232	1.1					T__				m_e	
GRA1	3.62	242.1	Pn	06:16:53.919	0.7					T__				m_e	ML 4.3
GRA1	3.62	242.1	Sg	06:17:52.356	0.2					T__				m_e	

Event 81120004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/20	08:21:18.12	1.12	3.23	51.4130	16.0516	13.2	4.1	048	0.0	0.0	25	15	004			m i sr	ZAMG	81120014
2018/11/20	08:21:17.79	0.40	0.75	51.4900	16.1320	5.6	3.3	013	1.0f		27	17	199	0.65	3.60	m i ki	BGR	81120004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.1	16 ZAMG	81120014
ML	3.6	0.3	13 BGR	81120004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	171.0	Pg	08:21:29.622	-0.5					T__				m_e	ML 3.1
DPC	1.15	173.9	Pg	08:21:38.407	-1.0					T__				m_e	ML 3.9
DPC	1.15	173.9	Sg	08:21:55.670	1.5					T__				m_e	
BRG	1.50	246.7	Pn	08:21:44.312	-0.8					T__				m_e	ML 3.3

BRG	1.50	246.7	Pg	08:21:46.069	-0.1	T__	m_e													
BRG	1.50	246.7	Sg	08:22:06.010	0.4	T__	m_e													
FBE	1.83	253.0	Pg	08:21:51.771	-0.5	T__	m_e ML	3.2												
MORC	1.93	151.9	Pn	08:21:50.086	-0.9	T__	m_e													
CLL	1.96	265.9	Pn	08:21:50.447	-0.9	T__	m_e ML	3.5												
CLL	1.96	265.9	Sg	08:22:20.547	0.5	T__	m_e													
OKC	2.09	141.5	Pn	08:21:52.063	-1.0	T__	m_e ML	3.1												
TANN	2.55	246.5	Pn	08:21:59.453	0.1	T__	m_e ML	3.7												
TANN	2.55	246.5	Pg	08:22:05.523	-0.3	T__	m_e													
WERD	2.62	248.1	Pn	08:22:00.604	0.3	T__	m_e ML	3.7												
WERD	2.62	248.1	Pg	08:22:06.919	-0.3	T__	m_e													
OJC	2.64	117.3	Pg	08:22:07.054	-0.5	T__	m_e													
OJC	2.64	117.3	Sg	08:22:42.902	1.2	T__	m_e													
MANZ	2.96	241.0	Pn	08:22:05.338	0.5	T__	m_e ML	3.8												
MOX	2.96	255.2	Pn	08:22:05.518	0.6	T__	m_e ML	3.9												
MOX	2.96	255.2	Pg	08:22:13.300	-0.3	T__	m_e													
MOX	2.96	255.2	Sg	08:22:52.898	1.0	T__	m_e													
ROTZ	3.03	236.8	Pn	08:22:05.940	0.2	T__	m_e ML	3.6												
GEC2	3.07	211.4	Pn	08:22:07.464	1.1	T__	m_e ML	3.8												
GEC2	3.07	211.4	Sg	08:22:54.728	-0.5	T__	m_e													
WET	3.13	222.8	Pn	08:22:07.403	0.2	T__	m_e													
CLZ	3.59	277.9	Pn	08:22:14.740	1.3	T__	m_e													
GRA1	3.60	241.9	Sg	08:23:11.792	-0.3	T__	m_e ML	4.3												

Event 81121002 France

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/21	17:08:54.60	0.03	0.59	46.1500	5.0149	0.8	0.7	030	2.0	0.0	268	41	022			m i ke	LDG	81121032
2018/11/21	17:09:00.30	0.99	0.51	46.2360	4.7310				5.0f			8	348	4.26	5.32	m i ke	BNS	81121022
2018/11/21	17:08:52.00		10.53	46.1400	5.0600				10.0		28	13	302	3.09	3.97	m i ke	BUG	81121012
2018/11/21	17:08:55.82	0.55	0.86	46.2480	5.0970	8.9	5.6	166	10.0f		24	18	296	2.08	4.59	m i ke	BGR	81121002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.2	0.4	52 LDG	81121032
ML	3.6		BNS	81121022
ML	4.5	0.2	10 BUG	81121012
ML	4.0	0.2	8 BGR	81121002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	2.08	57.6	Pn	17:09:29.274	-0.7					T__				m_e ML	4.0
BALST	2.08	57.6	Sg	17:10:01.897	-0.2					T__				m_e	
ECH	2.42	34.7	Pn	17:09:35.470	1.0					T__				m_e ML	3.8
SULZ	2.43	57.0	Pn	17:09:33.735	-0.9					T__				m_e ML	4.1
SULZ	2.43	57.0	Sg	17:10:14.218	1.3					T__				m_e	
METMA	2.60	54.6	Pn	17:09:35.721	-1.3					T__				m_e ML	3.8
METMA	2.60	54.6	Sg	17:10:17.105	-1.5					T__				m_e	
BERGE	2.65	51.2	Pn	17:09:36.228	-1.5					T__				m_e	
SLE	2.77	55.5	Pn	17:09:37.856	-1.4					T__				m_e	
WILA	2.86	64.5	Pn	17:09:40.071	-0.4					T__				m_e	
A101B	3.00	50.2	Pn	17:09:41.340	-1.1					---				m_ ML	4.3
A101B	3.00	50.2	Pg	17:09:53.150	0.8					---				m_	

A101B	3.00	50.2	Sg	17:10:30.000	-1.2	___	1.3	m_		
BFO	3.02	45.3	Pn	17:09:43.586	0.9	T_		m_e	ML	4.3
BFO	3.02	45.3	Pg	17:09:54.940	2.1	___		m_		
BFO	3.02	45.3	Sg	17:10:29.100	-2.8	___	1.2	m_		
PLONS	3.05	73.2	Pn	17:09:43.400	0.4	T_		m_e	ML	3.6
PLONS	3.05	73.2	Sg	17:10:32.713	0.0	T_		m_e		
WALHA	3.13	59.8	Pn	17:09:43.534	-0.6	T_		m_e		
A102A	3.37	54.3	Pn	17:09:45.960	-1.4	___		m_	ML	4.3
A102A	3.37	54.3	Pg	17:10:00.720	1.4	___		m_		
A103C	3.38	61.3	Pg	17:10:01.170	1.6	___		m_	ML	4.5
A103C	3.38	61.3	Sg	17:10:44.000	0.7	___	1.2	m_		
A100A	3.40	48.2	Pn	17:09:46.180	-1.7	___		m_	ML	4.5
A100A	3.40	48.2	Pg	17:10:06.170	6.2	___		m_		
A103D	3.41	61.3	Pn	17:09:47.280	-0.7	___		m_	ML	4.3
A103D	3.41	61.3	Pg	17:10:01.580	1.5	___		m_		
A103D	3.41	61.3	Sg	17:10:45.000	0.8	___	0.7	m_		
DAVA	3.44	70.7	Pn	17:09:48.584	0.3	T_		m_e	ML	4.0
DAVA	3.44	70.7	Sg	17:10:46.029	1.0	T_		m_e		
WLF	3.49	11.3	Pg	17:10:02.019	0.4	T_		m_e	ML	4.4
WLF	3.49	11.3	Sg	17:10:50.400	3.7	___	0.7	m_		
A104A	3.62	58.3	Pg	17:10:04.700	0.6	___		m_	ML	4.6
RIVT	3.64	17.3	Pg	17:10:04.590	0.2	T_		m_e		
KTD	3.67	32.1	Pg	17:10:04.862	-0.1	T_		m_e		
UBR	3.71	65.5	Pn	17:09:51.903	-0.1	T_		m_e	ML	4.3
UBR	3.71	65.5	Pg	17:10:08.830	3.1	___		m_		
UBR	3.71	65.5	Sg	17:10:54.060	0.4	T_		m_e		
A105A	3.74	70.1	Pg	17:10:06.510	0.2	___		m_	ML	4.3
A105A	3.74	70.1	Sg	17:10:55.300	0.7	___	0.6	m_		
STU	3.74	46.1	Sg	17:10:54.750	-0.0	T_		m_e	ML	4.2
A108A	3.84	55.1	Pg	17:10:06.400	-1.7	___		m_		
A108A	3.84	55.1	Sg	17:10:58.800	1.1	___		m_		
A107D	3.89	61.1	Pg	17:10:10.540	1.3	___		m_	ML	4.6
A107D	3.89	61.1	Sg	17:11:01.000	1.5	___	0.4	m_		
A107C	3.90	61.1	Pg	17:10:10.660	1.4	___		m_		
A107C	3.90	61.1	Sg	17:10:60.000	0.4	___	1.1	m_		
ABH	3.99	23.4	Pg	17:10:11.382	0.4	T_		m_e		
HILG	4.18	14.0	Pn	17:10:04.000	5.6	___		m_e		
HILG	4.18	14.0	Sn	17:10:52.900	9.2	___	81.4	1.06	m_e	
BGG	4.23	19.8	Pn	17:10:06.000	6.9	___		m_e		
BGG	4.23	19.8	Sn	17:10:55.300	10.4	___	46.4	0.59	m_e	
KLL	4.47	9.9	Pn	17:10:08.800	6.5	___		m_e		
KLL	4.47	9.9	Sn	17:10:59.800	9.3	___		m_e		
DREG	4.48	9.3	Pn	17:10:09.000	6.6	___		m_e		
DREG	4.48	9.3	Sn	17:10:59.700	9.0	___	43.9	0.59	m_e	
STB	4.50	14.3	Pn	17:10:09.400	6.7	___		m_e		
STB	4.50	14.3	Sn	17:11:00.300	9.2	___	51.2	0.72	m_e	
KOE	4.53	21.8	Pn	17:10:09.200	6.1	___		m_e		
KOE	4.53	21.8	Sn	17:11:03.300	11.4	___	121.5	0.75	m_e	
WTTA	4.59	74.9	Pn	17:10:05.666	1.7	T_		m_e		
HOBG	4.96	16.5	Pn	17:10:15.100	6.1	___		m_e		
LAUG	5.25	12.7	Pn	17:10:18.300	5.5	___		m_e		
LAUG	5.25	12.7	Sn	17:11:19.400	10.7	___	24.8	0.97	m_e	

Event 81129003 Kerkrade/NL, Geilenkirchen, N of Aachen

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/29	19:36:09.80	0.12	0.21	50.8996	6.0388	2.2	1.2	051	10.0f		21	2	186			m i ke	LDG	81129023
2018/11/29	19:36:09.54	0.31	0.69	50.9010	6.0870	4.4	3.3	128	10.0f		13	9	084	0.30	1.65	m i ke	BGR	81129013
2018/11/29	19:36:09.50	0.72	0.31	50.9210	6.0630				10.4	4.0		9	198	0.08	1.08	m i ke	BNS	81129003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.0	2 LDG	81129023
ML	1.5	0.3	5 BGR	81129013
ML	1.4		BNS	81129003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BA12	0.08	98.6	Pg	19:36:12.165	0.4					T__					mde
BA01	0.14	180.4	Pg	19:36:12.762	0.1					T__					m_e
BA01	0.14	180.4	Sg	19:36:15.341	0.4					T__					m_e
RODG	0.24	18.2	Pg	19:36:14.443	0.2					T__					m_e
RODG	0.24	18.2	Sg	19:36:18.382	0.8					T__		115.6	0.35		m_e
DREG	0.28	157.3	Pg	19:36:15.096	0.0					T__					m_e
DREG	0.28	157.3	Sg	19:36:18.900	0.0					T__		54.7	0.17		m_e
MEM	0.31	186.2	Pg	19:36:15.512	-0.2					---					m_e ML 1.2
MEM	0.31	186.2	Sg	19:36:19.821	-0.1					---					m_e
KLL	0.32	150.1	Pg	19:36:15.660	-0.1					T__					m_e
KLL	0.32	150.1	Sg	19:36:20.027	0.1					T__		16.3	0.22		m_e
OPLO	0.70	350.3	Sg	19:36:33.370	1.5					---					m_e
LAUG	0.70	51.8	Pg	19:36:22.524	-0.3					T__					m_e
LAUG	0.70	51.8	Sg	19:36:32.351	0.4					T__					m_e
HILG	0.74	147.9	Pg	19:36:23.740	0.2					T__					m_e
HILG	0.74	147.9	Sg	19:36:33.373	0.2					T__		10.4	0.17		m_e
HOBG	0.80	85.0	Pg	19:36:25.133	0.4					T__					m_e
HOBG	0.80	85.0	Sg	19:36:35.866	0.7					T__		36.6	0.54		m_e
BUG	0.92	55.0	Pg	19:36:26.850	-0.0					---					m_e ML 1.9
BUG	0.92	55.0	Sg	19:36:39.334	0.5					---					m_e
RCHB	0.93	215.1	Pg	19:36:27.053	-0.1					---					m_e ML 1.7
RCHB	0.93	215.1	Sg	19:36:39.599	0.4					---					m_e
BGG	1.08	131.0	Pg	19:36:29.390	-0.5					T__					m_e
BGG	1.08	131.0	Sg	19:36:43.449	-0.5					T__		6.4	0.11		m_e
UCC	1.08	264.1	Sg	19:36:42.955	-1.0					---					m_e ML 1.1
WLF	1.26	177.4	Sg	19:36:49.546	-0.0					---					m_e
RIVT	1.29	159.4	Sg	19:36:49.743	-0.9					---					m_e
KAST	1.51	78.3	Pn	19:36:36.220	0.5					---					m_e ML 1.9
KAST	1.51	78.3	Sg	19:36:56.188	-1.2					---					m_e
TNS	1.67	113.8	Sg	19:37:01.393	-1.2					---					m_e

Event 81130008 Saeckingen, NE of Liestal/CH, Swiss-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/11/30	23:02:06.70	0.04	0.51	47.5445	7.8330	1.1	0.9	012	17.0f		89	10	024			m i ke	LDG	81130038
2018/11/30	23:02:03.59	1.19	0.62	47.5540	7.6400				8.9	7.3	11	6	306	0.83	1.67	m i ke	BUG	81130028
2018/11/30	23:02:06.54	0.58		47.5500	7.8200	2.2	2.2	018	18.1	5.6	21	12	125	0.20	1.55	m i ke	BGR	81130018
2018/11/30	23:02:06.82	0.10	0.19	47.5450	7.8420	1.1	1.1	091	17.0	2.0	56	25	103	0.18	1.20	m i ke	LED	81130008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.1	0.0	2 LDG	81130038
ML	2.3	0.3	12 LDG	81130038
MD	2.8	0.8	5 BUG	81130028
ML	2.6	0.1	5 BUG	81130028
ML	1.6	0.4	7 BGR	81130018
ML	1.9	0.2	24 LED	81130008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
SULZ	0.18	95.0	Pg	23:02:11.440	0.1					T__				mci	ML	1.5
SULZ	0.18	95.0	Sg	23:02:14.650	0.2					T__				m__		
ENDD	0.18	337.6	Pg	23:02:11.490	0.2					T__				md_	ML	1.7
ENDD	0.18	337.6	Sg	23:02:14.700	0.3					T__				m__		
BALST	0.23	205.5	Pg	23:02:12.050	-0.0					T__				mc_	ML	2.2
BALST	0.23	205.5	Sg	23:02:15.810	0.2					T__				m__		
METMA	0.32	58.7	Pg	23:02:13.600	0.0					T__				mci	ML	1.9
METMA	0.32	58.7	Sg	23:02:18.210	0.0					T__				m__		
FELD	0.35	18.2	Pg	23:02:14.160	0.2					T__				mdi	ML	1.9
FELD	0.35	18.2	Sg	23:02:19.310	0.4					T__				m__		
BERGE	0.40	34.6	Pg	23:02:14.984	0.1					___				m_e	ML	1.8
BERGE	0.40	34.6	Sg	23:02:20.730	0.4					T__				m__		
KIZ	0.41	7.1	Pg	23:02:15.230	0.1					T__				md_	ML	2.1
KIZ	0.41	7.1	Sg	23:02:21.000	0.1					T__				m__		
BOURR	0.44	250.3	Pg	23:02:15.780	0.2					T__				m__	ML	1.9
BOURR	0.44	250.3	Sg	23:02:22.260	0.7					T__				m__		
FBB	0.46	0.9	Pg	23:02:16.040	0.1					T__				md_	ML	2.5
FBB	0.46	0.9	Sg	23:02:22.490	0.4					T__				m__		
SLE	0.49	63.0	Pg	23:02:16.550	0.0					T__				mc_	ML	2.5
SLE	0.49	63.0	Sg	23:02:23.250	0.1					T__				m__		
VOGT	0.55	347.9	Pg	23:02:17.810	0.3					T__				md_	ML	2.0
VOGT	0.55	347.9	Sg	23:02:25.680	0.8					T__				m__		
STEIN	0.70	79.4	Pg	23:02:20.520	0.1					T__				m__	ML	1.6
STEIN	0.70	79.4	Sg	23:02:30.760	1.1					T__				m__		
WILA	0.73	99.9	Pg	23:02:21.130	0.2					T__				m__	ML	2.3
WILA	0.73	99.9	Sg	23:02:31.200	0.6					T__				m__		
A101B	0.74	39.4	Pg	23:02:20.540	-0.6					___				m__	ML	2.2
A101B	0.74	39.4	Sg	23:02:30.990	0.0					___		0.2		m__		
EMING	0.76	62.2	Pn	23:02:21.070	-1.1					T__				m__	ML	1.8
EMING	0.76	62.2	Sg	23:02:31.552	0.1					___				m_e		
ECH	0.81	325.9	Pn	23:02:21.830	-1.1					T__				m__		
ECH	0.81	325.9	Pg	23:02:22.270	-0.1					T__				m__		
ECH	0.81	325.9	Sn	23:02:33.030	-1.2					T__				m__		
ROTE	0.82	42.1	Pn	23:02:21.630	-1.4					T__				m__	ML	2.4
ROTE	0.82	42.1	Pg	23:02:22.510	-0.1					T__				m__		
ROTE	0.82	42.1	Sg	23:02:33.560	0.1					T__				m__		
BFO	0.85	22.4	Pn	23:02:21.950	-1.5					T__				m__	ML	2.2
BFO	0.85	22.4	Pg	23:02:22.879	-0.2					___				m_e		
BFO	0.85	22.4	Sg	23:02:34.040	-0.2					T__				m__		
CHMF	0.86	250.2	Pn	23:02:22.490	-1.0					T__				m__	ML	1.9
CHMF	0.86	250.2	Pg	23:02:22.960	-0.3					T__				m__		
CHMF	0.86	250.2	Sg	23:02:34.540	0.0					T__				m__		
WALHA	0.89	76.0	Pn	23:02:23.000	-0.9					T__				m__	ML	1.9
WALHA	0.89	76.0	Pg	23:02:23.720	-0.1					T__				m__		

WALHA	0.89	76.0	PmP	23:02:24.100	-1.0	T__						m__	
WALHA	0.89	76.0	Sg	23:02:35.820	0.4	T__						m__	
OPP	0.98	13.5	Pn	23:02:23.760	-1.4	T__						m__ ML	2.1
OPP	0.98	13.5	Sg	23:02:37.810	-0.5	T__						m__	
MSS	0.98	49.4	Pn	23:02:23.900	-1.3	T__						m__ ML	1.7
MSS	0.98	49.4	Pg	23:02:25.400	-0.2	T__						m__	
MSS	0.98	49.4	Sg	23:02:38.430	0.0	T__						m__	
GUT	1.00	57.9	Pn	23:02:24.220	-1.3	T__						mc__ ML	1.8
GUT	1.00	57.9	Pg	23:02:25.640	-0.3	T__						m__	
GUT	1.00	57.9	Sg	23:02:39.280	0.2	T__						m__	
A102A	1.09	56.3	Pg	23:02:25.400	-2.1	___						m__ ML	2.3
A102A	1.09	56.3	Sg	23:02:41.710	-0.0	___				0.1		m__	
FREU	1.11	51.0	Pn	23:02:25.550	-1.4	T__						mc__ ML	1.3
FREU	1.11	51.0	Pg	23:02:27.510	-0.4	T__						m__	
FREU	1.11	51.0	Sg	23:02:42.310	-0.1	T__						m__	
LIENZ	1.15	101.9	Pn	23:02:27.550	0.1	T__						m__ ML	1.6
LIENZ	1.15	101.9	Sn	23:02:42.160	0.2	T__						m__	
LIENZ	1.15	101.9	Sg	23:02:44.040	0.5	T__						m__	
PLONS	1.16	114.9	Sg	23:02:43.683	-0.2	___						m_e	
A100A	1.16	38.2	Pg	23:02:26.030	-2.9	___						m__ ML	2.4
A100A	1.16	38.2	Sg	23:02:43.410	-0.7	___				0.2		m__	
BABA	1.20	11.1	Sg	23:02:44.460	-0.7	T__						m__ ML	1.7
A109A	1.41	49.7	Pn	23:02:29.420	-1.5	___						m__ ML	2.5
A109A	1.41	49.7	Sn	23:02:50.890	2.7	___				0.1		m__	
UBR	1.53	84.1	Pn	23:02:35.450	2.8	___						m__	
UBR	1.53	84.1	Sn	23:02:55.730	4.6	___						m__	
UBR	1.53	84.1	Sg	23:02:55.785	0.0	___						m_e	

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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