

DATA_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 80701002 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/01	07:32:16.80	0.16	1.27	44.2172	10.5995	3.8	2.7	050	16.0f		173	40	067			m i ke	LDG	80701012
2018/07/01	07:32:16.18	0.72	1.02	44.0010	10.6250	12.2	6.7	012	10.0f		29	20	283	3.17	6.68	m i ke	BGR	80701002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.8	0.4	33 LDG	80701012
ML	3.9	0.2	14 BGR	80701002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
PLONS	3.17	344.5	Pn	07:33:06.238	1.2					T__				m_e ML	3.7
DAVA	3.33	351.3	Pn	07:33:08.179	1.0					T__				m_e ML	4.1
OBER	3.41	356.2	Pn	07:33:09.352	1.0					T__				m_e ML	3.8
PART	3.51	5.4	Pn	07:33:10.435	0.7					T__				m_e ML	3.7
PART	3.51	5.4	Sn	07:33:47.557	-0.8					T__				m_e	
WILA	3.62	341.3	Pn	07:33:11.159	0.0					T__				m_e	
WILA	3.62	341.3	Sn	07:33:51.797	1.0					T__				m_e	
UBR	3.70	354.6	Pn	07:33:12.557	0.4					T__				m_e ML	4.3
UBR	3.70	354.6	Sn	07:33:53.475	0.8					T__				m_e	
OBKA	3.73	46.4	Pn	07:33:13.188	0.5					T__				m_e ML	3.9
OBKA	3.73	46.4	Sn	07:33:53.810	0.3					T__				m_e	
BALST	3.91	329.5	Pn	07:33:14.947	-0.2					T__				m_e ML	4.1
BALST	3.91	329.5	Sn	07:33:57.824	0.1					T__				m_e	
SULZ	3.94	334.5	Pn	07:33:15.040	-0.4					T__				m_e ML	4.3
SULZ	3.94	334.5	Sn	07:33:58.382	0.0					T__				m_e	
RJOB	4.03	21.3	Pn	07:33:17.295	0.6					T__				m_e ML	3.8
SLE	4.05	339.2	Pn	07:33:15.941	-1.0					T__				m_e	
FUR	4.19	6.0	Pn	07:33:18.559	-0.3					T__				m_e	
BFO	4.61	340.7	Pn	07:33:23.409	-1.2					T__				m_e ML	3.9
BFO	4.61	340.7	Sn	07:34:11.109	-3.1					T__				m_e	
ARSA	4.72	44.8	Pn	07:33:26.051	-0.0					T__				m_e ML	3.6
ARSA	4.72	44.8	Sn	07:34:16.131	-0.6					T__				m_e	
GEC2	5.29	22.5	Pn	07:33:33.099	-0.7					T__				m_e	
WET	5.37	15.9	Pn	07:33:33.914	-1.0					T__				m_e ML	3.6
WET	5.37	15.9	Sn	07:34:31.198	-0.8					T__				m_e	
ROTZ	5.87	10.0	Pn	07:33:39.639	-2.0					T__				m_e	
MANZ	6.07	9.1	Pn	07:33:42.346	-2.0					T__				m_e ML	4.0
TNS	6.39	347.4	Pn	07:33:48.306	-0.5					T__				m_e	
MOX	6.68	5.4	Pn	07:33:50.011	-2.6					T__				m_e ML	4.0

Event 80703005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/03	19:38:49.00	0.18	0.96	51.6100	16.2200				1.0f		62	26	318			m i ke	LDG	80703045
2018/07/03	19:38:45.89	0.52	0.44	51.7743	16.2804	5.6	3.3	007	0.0	0.0	74	12	011			m i sr	ZAMG	80703035
2018/07/03	19:38:50.30	0.39	0.21	51.4280	16.1110				1.0f			5	348	5.37	5.89	m i ki	BNS	80703025
2018/07/03	19:38:48.69	0.41	0.69	51.5100	16.2700				0.0		58	30	275	2.05	6.02	m i ki	BUG	80703015
2018/07/03	19:38:50.96	0.23	0.53	51.4710	16.1050	2.2	1.1	025	1.0f		99	50	175	1.13	5.66	m i ki	BGR	80703005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	4.5	0.2	21 LDG	80703045
ML	4.1	0.3	13 ZAMG	80703035
ML	4.0		BNS	80703025
MD	4.9		2 BUG	80703015
ML	4.9	0.5	25 BUG	80703015
ML	4.1	0.3	46 BGR	80703005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
DPC	1.13	172.9	Pg	19:39:11.960	-0.3					T__				m_e	ML	4.4
DPC	1.13	172.9	Sg	19:39:27.553	0.7					T__				m_e		
PVCC	1.35	226.3	Pn	19:39:16.174	-0.0					T__				m_e	ML	4.1
BRG	1.48	247.0	Pn	19:39:17.924	-0.1					T__				m_e	ML	3.8
BRG	1.48	247.0	Pg	19:39:18.860	-0.0					T__				m_e		
PRU	1.78	214.3	Pn	19:39:21.671	-0.4					T__				m_e	ML	3.5
PRU	1.78	214.3	Pg	19:39:23.973	-0.6					T__				m_e		
MORC	1.92	151.1	Pn	19:39:23.256	-0.7					T__				m_e	ML	4.1
MORC	1.92	151.1	Sg	19:39:51.116	-1.0					T__				m_e		
CLL	1.94	266.4	Pn	19:39:23.332	-0.9					T__				m_e	ML	3.8
CLL	1.94	266.4	Pg	19:39:26.831	-0.7					T__				m_e		
CLL	1.94	266.4	Sn	19:39:50.070	2.1					___				m_		
CLL	1.94	266.4	Sg	19:39:53.200	0.5					T__				m_e		
VRAC	2.18	171.6	Pn	19:39:27.468	-0.1					T__				m_e	ML	3.5
VRAC	2.18	171.6	Pg	19:39:31.427	-0.7					T__				m_e		
TREC	2.21	190.5	Pn	19:39:28.012	0.1					T__				m_e	ML	3.8
TREC	2.21	190.5	Pg	19:39:31.717	-0.9					T__				m_e		
TREC	2.21	190.5	Sn	19:39:54.097	-0.2					T__				m_e		
TREC	2.21	190.5	Sg	19:40:01.671	0.5					T__				m_e		
ABG1	2.27	258.5	Sg	19:40:03.332	0.3					T__				m_e		
MODW	2.34	258.4	Pn	19:39:29.437	-0.2					T__				m_e	ML	3.8
MODW	2.34	258.4	Pg	19:39:35.650	0.6					T__				m_e		
MODW	2.34	258.4	Sg	19:40:05.259	-0.0					T__				m_e		
KRUC	2.42	175.5	Pn	19:39:31.105	0.4					T__				m_e	ML	3.7
KRUC	2.42	175.5	Sg	19:40:07.696	-0.0					T__				m_e		
HKWD	2.49	256.6	Pn	19:39:31.957	0.3					T__				m_e	ML	4.2
HKWD	2.49	256.6	Pg	19:39:38.017	0.1					T__				m_e		
HKWD	2.49	256.6	Sg	19:40:10.441	0.4					T__				m_e		
ZEITZ	2.53	262.0	Pg	19:39:38.093	-0.5					T__				m_e	ML	3.8
TANN	2.53	246.7	Pn	19:39:32.566	0.4					T__				m_e	ML	4.0
TANN	2.53	246.7	Sg	19:40:10.508	-0.7					T__				m_e		
MULD	2.56	247.0	Pn	19:39:32.995	0.4					T__				m_e	ML	4.0
MULD	2.56	247.0	Pg	19:39:40.193	1.0					T__				m_e		
MULD	2.56	247.0	Sg	19:40:12.102	-0.1					T__				m_e		
GRZ1	2.56	253.8	Pn	19:39:32.553	-0.1					T__				m_e	ML	4.3
GRZ1	2.56	253.8	Pg	19:39:38.921	-0.3					T__				m_e		
GRZ1	2.56	253.8	Sg	19:40:12.833	0.5					T__				m_e		
WERD	2.60	248.3	Pn	19:39:33.294	0.1					T__				m_e	ML	4.0
WERD	2.60	248.3	Pg	19:39:40.127	0.1					T__				m_e		
WERD	2.60	248.3	Sg	19:40:14.162	0.5					T__				m_e		
MLFH	2.62	256.5	Pn	19:39:33.175	-0.2					T__				m_e	ML	3.8
MLFH	2.62	256.5	Pg	19:39:40.618	0.4					T__				m_e		
MLFH	2.62	256.5	Sg	19:40:14.158	0.1					T__				m_e		

GUNZ	2.62	246.5	Pn	19:39:33.550	0.1	T__	m_e ML	4.2
GUNZ	2.62	246.5	Pg	19:39:41.028	0.6	T__	m_e	
WERN	2.63	244.7	Pn	19:39:34.415	0.8	T__	m_e ML	4.1
WERN	2.63	244.7	Pg	19:39:40.949	0.4	T__	m_e	
WERN	2.63	244.7	Sg	19:40:14.361	-0.3	T__	m_e	
OJC	2.65	116.8	Sg	19:40:15.092	0.1	T__	m_e	
ROHR	2.69	244.1	Pn	19:39:34.562	0.2	T__	m_e ML	4.4
ROHR	2.69	244.1	Sg	19:40:16.886	0.4	T__	m_e	
NEUB	2.72	266.1	Pg	19:39:41.773	-0.4	T__	m_e ML	4.6
TRIB	2.74	247.5	Pn	19:39:35.081	0.0	T__	m_e ML	4.2
TRIB	2.74	247.5	Sg	19:40:17.750	-0.3	T__	m_e	
TAUT	2.79	261.6	Pn	19:39:35.554	-0.2	T__	m_e ML	4.5
TAUT	2.79	261.6	Pg	19:39:43.185	-0.4	T__	m_e	
TAUT	2.79	261.6	Sg	19:40:20.541	0.8	T__	m_e	
KHC	2.84	215.6	Pn	19:39:36.713	0.3	T__	m_e ML	3.7
KHC	2.84	215.6	Sg	19:40:21.251	-0.0	T__	m_e	
WIMM	2.86	272.8	Pn	19:39:37.053	0.3	T__	m_e ML	3.9
WIMM	2.86	272.8	Pg	19:39:44.054	-0.9	T__	m_e	
CKRC	2.89	204.2	Pn	19:39:37.868	0.8	T__	m_e ML	4.2
CKRC	2.89	204.2	Sg	19:40:22.534	-0.2	T__	m_e	
MANZ	2.93	241.1	Pn	19:39:38.207	0.5	T__	m_e ML	4.1
MANZ	2.93	241.1	Sg	19:40:24.055	-0.1	T__	m_e	
MOX	2.94	255.4	Pn	19:39:37.570	-0.2	___	m__ ML	4.3
MOX	2.94	255.4	Pg	19:39:46.550	0.2	___	m__	
MOX	2.94	255.4	Sg	19:40:25.191	0.8	T__	m_e	
ROTZ	3.00	237.0	Pn	19:39:39.114	0.5	T__	m_e ML	3.9
ROTZ	3.00	237.0	Pg	19:39:47.817	0.3	T__	m_e	
ROTZ	3.00	237.0	Sg	19:40:26.115	-0.2	T__	m_e	
HWTS	3.04	255.0	Sg	19:40:27.982	0.4	T__	m_e ML	4.1
GEC2	3.04	211.3	Pn	19:39:39.487	0.3	T__	m_e ML	3.9
GEC2	3.04	211.3	Pg	19:39:48.920	0.6	___	m__	
WET	3.11	222.8	Pn	19:39:40.308	0.3	T__	m_e ML	3.9
WET	3.11	222.8	Pg	19:39:50.220	0.7	___	m__	
WET	3.11	222.8	Sg	19:40:29.377	-0.3	T__	m_e	
FLT1	3.12	287.9	Sg	19:40:29.577	-0.6	T__	m_e ML	3.9
POSS	3.27	269.6	Pn	19:39:42.220	-0.0	T__	m_e ML	4.1
POSS	3.27	269.6	Pg	19:39:52.708	0.1	T__	m_e	
CHRS	3.29	274.5	Pn	19:39:42.492	-0.0	T__	m_e ML	3.7
CHRS	3.29	274.5	Pg	19:39:52.211	-0.8	T__	m_e	
CHRS	3.29	274.5	Sg	19:40:34.371	-1.1	T__	m_e	
GOR1	3.31	299.2	Pn	19:39:43.100	0.4	___	m__ ML	4.3
GOR1	3.31	299.2	Pg	19:39:53.830	0.5	___	m__	
CLNZ	3.48	297.0	Pn	19:39:45.780	0.7	___	m__ ML	4.7
CLNZ	3.48	297.0	Pg	19:39:57.530	1.0	___	m__	
SONN	3.53	273.2	Sg	19:40:43.500	0.2	T__	m_e ML	4.6
GRA1	3.57	242.1	Pn	19:39:46.948	0.6	T__	m_e ML	4.5
GRA1	3.57	242.1	Sg	19:40:46.132	1.6	T__	m_e	
CLZ	3.57	278.2	Pn	19:39:46.908	0.5	T__	m_e ML	4.0
CLZ	3.57	278.2	Pg	19:39:58.080	-0.3	___	m__	
VITZ	3.81	263.5	Pn	19:39:49.765	0.1	T__	m_e ML	4.7
VITZ	3.81	263.5	Pg	19:40:03.023	0.2	T__	m_e	
GTTG	3.82	273.5	Pn	19:39:50.360	0.6	___	m__ ML	4.7
GTTG	3.82	273.5	Pg	19:40:04.010	1.0	___	m__	
HROE	3.86	258.3	Pn	19:39:50.681	0.5	T__	m_e ML	4.5

A101B	5.91	238.4	Pn	19:40:18.910	0.8	---	m__ mb	4.6
A101B	5.91	238.4	Pg	19:40:45.120	2.7	---	m__	

Event 80705002 Schwaz/A, Inn Valley, Northern Tuxer Alps

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/05	19:31:54.30	0.20	1.37	47.3315	11.8835	1.8	1.1	000	14.6	2.1	71	14	011			m i uk	ZAMG	80705012
2018/07/05	19:31:56.12	0.29		47.3780	11.9080	4.4	3.3	174	5.2	2.9	27	12	152	0.55	2.40	m i ke	BGR	80705002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	19 ZAMG	80705012
ML	2.0	0.4	12 BGR	80705002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
PART	0.55	282.7	Pg	19:32:04.954	-1.5					T__				m_e ML	1.6
PART	0.55	282.7	Sg	19:32:13.357	-0.3					T__				m_e	
RJOB	0.70	58.7	Pg	19:32:09.867	0.5					T__				m_e ML	1.9
RJOB	0.70	58.7	Sg	19:32:20.231	1.9					T__				m_e	
FUR	0.89	331.8	Pg	19:32:13.128	0.2					T__				m_e ML	2.5
FUR	0.89	331.8	Sg	19:32:26.971	2.4					T__				m_e	
KBA	1.02	106.5	Pg	19:32:15.333	-0.0					T__				m_e ML	1.4
KBA	1.02	106.5	Sn	19:32:28.128	-2.5					T__				m_e	
OBER	1.09	272.1	Pg	19:32:17.334	0.6					T__				m_e ML	1.5
OBER	1.09	272.1	Sg	19:32:33.052	2.2					T__				m_e	
UBR	1.25	284.6	Pg	19:32:19.775	0.0					T__				m_e ML	2.2
UBR	1.25	284.6	Sg	19:32:35.702	-0.2					T__				m_e	
DAVA	1.38	266.9	Pg	19:32:21.709	-0.4					T__				m_e ML	1.8
DAVA	1.38	266.9	Sg	19:32:40.679	0.8					T__				m_e	
NORI	1.59	327.9	Pg	19:32:25.177	-1.0					T__				m_e ML	2.5
NORI	1.59	327.9	Sg	19:32:46.354	-0.4					T__				m_e	
WET	1.88	19.7	Pg	19:32:30.717	-0.9					T__				m_e ML	2.2
WET	1.88	19.7	Sn	19:32:51.621	0.8					T__				m_e	
WET	1.88	19.7	Sg	19:32:55.685	-0.2					T__				m_e	
GEC2	1.89	38.6	Pn	19:32:28.089	-0.2					T__				m_e ML	2.5
GEC2	1.89	38.6	Pg	19:32:31.150	-0.7					T__				m_e	
GEC2	1.89	38.6	Sn	19:32:52.771	1.6					T__				m_e	
GEC2	1.89	38.6	Sg	19:32:56.092	-0.2					T__				m_e	
OBKA	2.00	114.8	Sg	19:33:01.322	1.6					T__				m_e ML	2.0
ROTZ	2.40	4.6	Pg	19:32:40.086	-1.2					T__				m_e ML	2.1
ROTZ	2.40	4.6	Sn	19:33:02.487	-0.5					T__				m_e	
ROTZ	2.40	4.6	Sg	19:33:10.905	-1.4					T__				m_e	

Event 80706009 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/06	09:48:18.59	0.68	2.50	51.4213	16.1029	5.4	2.8	046	0.0	0.0	6	0	011			m i sr	ZAMG	80706019
2018/07/06	09:48:19.10	0.37	0.70	51.4160	16.1320	4.4	2.2	013	1.0f		32	17	197	0.58	3.60	m i ki	BGR	80706009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.2	11 ZAMG	80706019
ML	3.1	0.3	15 BGR	80706009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
KSP	0.58	169.9	Pg	09:48:30.425	0.4					T__				m_e	ML	2.5
KSP	0.58	169.9	Sg	09:48:37.874	0.3					T__				m_e		
DPC	1.07	173.5	Pg	09:48:39.178	-0.1					T__				m_e	ML	3.6
DPC	1.07	173.5	Sg	09:48:54.541	1.4					T__				m_e		
BRG	1.48	249.3	Pn	09:48:44.927	-1.1					T__				m_e	ML	2.8
BRG	1.48	249.3	Sg	09:49:06.637	0.6					T__				m_e		
FBE	1.81	255.2	Pg	09:48:52.216	-1.0					__				m_e	ML	2.8
FBE	1.81	255.2	Sg	09:49:16.070	-0.6					T__				m_e		
MORC	1.87	150.8	Pn	09:48:50.873	-0.5					T__				m_e	ML	3.4
MORC	1.87	150.8	Sg	09:49:18.441	0.0					T__				m_e		
CLL	1.96	268.1	Sg	09:49:21.732	0.5					T__				m_e	ML	3.0
OKC	2.03	140.2	Pn	09:48:53.006	-0.6					T__				m_e	ML	2.7
OKC	2.03	140.2	Sg	09:49:22.812	-0.8					T__				m_e		
TANN	2.52	248.0	Pn	09:49:00.316	0.1					T__				m_e	ML	3.1
TANN	2.52	248.0	Sg	09:49:38.029	-1.2					T__				m_e		
WERD	2.60	249.6	Pn	09:49:01.460	0.2					__				m_e	ML	3.1
WERD	2.60	249.6	Pg	09:49:07.563	-0.5					__				m_e		
WERD	2.60	249.6	Sg	09:49:41.150	-0.5					T__				m_e		
OJC	2.61	115.9	Pn	09:49:00.593	-0.8					T__				m_e		
OJC	2.61	115.9	Pg	09:49:07.579	-0.6					T__				m_e		
OJC	2.61	115.9	Sg	09:49:42.866	1.0					T__				m_e		
MANZ	2.92	242.3	Pn	09:49:06.124	0.5					T__				m_e	ML	3.3
MANZ	2.92	242.3	Pg	09:49:14.515	0.4					T__				m_e		
MANZ	2.92	242.3	Sg	09:49:52.105	0.2					T__				m_e		
MOX	2.94	256.6	Sg	09:49:54.111	1.5					T__				m_e	ML	3.4
ROTZ	2.99	238.0	Pn	09:49:07.068	0.5					T__				m_e	ML	3.1
ROTZ	2.99	238.0	Sg	09:49:53.409	-0.6					T__				m_e		
GEC2	3.01	212.2	Pn	09:49:07.816	1.0					T__				m_e	ML	3.4
GEC2	3.01	212.2	Sg	09:49:55.044	0.5					T__				m_e		
WET	3.08	223.7	Pn	09:49:08.077	0.3					T__				m_e	ML	3.2
WET	3.08	223.7	Sg	09:49:55.984	-0.9					T__				m_e		
GRA1	3.56	243.0	Pn	09:49:14.831	0.5					T__				m_e	ML	3.7
GRA1	3.56	243.0	Sg	09:50:12.912	0.6					T__				m_e		
CLZ	3.60	279.0	Pn	09:49:15.124	0.3					T__				m_e		
CLZ	3.60	279.0	Sg	09:50:14.000	0.5					T__				m_e		

Event 80715001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/15	09:34:49.22	0.44	0.52	51.5396	16.3591	4.4	3.5	041	0.0	0.0	30	7	006			m i sr	ZAMG	80715011
2018/07/15	09:34:51.23	0.50	0.94	51.4540	16.1430	7.8	3.3	027	1.0f		23	13	223	0.62	3.60	m i ki	BGR	80715001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.1	7 ZAMG	80715011
ML	2.8	0.3	13 BGR	80715001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
KSP	0.62	171.2	Pg	09:35:03.404	0.5									m_e	ML	2.2
KSP	0.62	171.2	Sg	09:35:12.321	1.5					T__				m_e		
DPC	1.11	174.1	Pg	09:35:12.249	0.1					T__				m_e	ML	3.3
DPC	1.11	174.1	Sg	09:35:27.721	1.2					T__				m_e		
BRG	1.50	248.0	Pn	09:35:18.736	0.3					T__				m_e	ML	2.6
BRG	1.50	248.0	Sg	09:35:39.482	0.7					T__				m_e		
FBE	1.83	254.1	Pn	09:35:24.662	1.7					T__				m_e	ML	2.6
MORC	1.90	151.6	Pn	09:35:23.988	0.1					T__				m_e	ML	3.1
MORC	1.90	151.6	Sg	09:35:48.710	-2.8					T__				m_e		
CLL	1.97	267.0	Pn	09:35:23.570	-1.3					T__				m_e	ML	2.6
OKC	2.06	141.0	Pn	09:35:25.634	-0.4					T__				m_e	ML	2.5
OKC	2.06	141.0	Sg	09:35:56.612	0.1					T__				m_e		
TANN	2.54	247.3	Pn	09:35:32.602	-0.0					T__				m_e	ML	2.9
TANN	2.54	247.3	Pg	09:35:38.869	-0.3					T__				m_e		
TANN	2.54	247.3	Sg	09:36:11.691	-0.3					T__				m_e		
WERD	2.62	248.9	Pn	09:35:34.022	0.4					T__				m_e	ML	2.8
WERD	2.62	248.9	Pg	09:35:39.930	-0.6					T__				m_e		
WERD	2.62	248.9	Sg	09:36:13.699	-0.7					T__				m_e		
MANZ	2.95	241.7	Pn	09:35:38.560	0.4					T__				m_e	ML	3.0
MANZ	2.95	241.7	Pg	09:35:45.925	-0.8					T__				m_e		
MOX	2.96	255.9	Pn	09:35:38.075	-0.2					T__				m_e	ML	3.0
MOX	2.96	255.9	Sg	09:36:25.389	0.2					T__				m_e		
ROTZ	3.01	237.5	Pn	09:35:39.469	0.4					T__				m_e	ML	2.8
CLZ	3.60	278.4	Pn	09:35:47.627	0.6					T__				m_e	ML	2.9

Event 80715004 Singen/Hohentwiel, Swiss-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/15	22:12:15.70	0.00	0.61	47.6300	8.8100				14.0f		72	16	051			m i ke	LDG	80715044
2018/07/15	22:12:15.53	0.22	301.2	47.6370	8.7854	1.6	1.3	019	11.5	4.3	41					m i uk	ZAMG	80715034
2018/07/15	22:12:16.21	0.60	0.28	47.6660	8.7700				3.9	2.8	24	13	233	0.48	1.75	m i ke	BUG	80715024
2018/07/15	22:12:16.70	0.39	0.41	47.6640	8.7670	4.4	2.2	012	10.0f		14	8	175	0.24	1.63	m i ke	BGR	80715014
2018/07/15	22:12:16.25	0.06	0.13	47.6440	8.7810	0.6	0.4	008	8.0	2.0	44	31	088	0.06	1.49	m i ke	LED	80715004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	19 LDG	80715044
ML	2.1	0.3	8 ZAMG	80715034
MD	2.8	0.2	10 BUG	80715024
ML	2.6	0.3	10 BUG	80715024
ML	1.5	0.3	8 BGR	80715014
ML	1.9	0.2	31 LED	80715004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
STEIN	0.06	66.5	Pg	22:12:18.320	0.2					T__				mc_ ML	1.7	
SLE	0.23	302.4	Pg	22:12:20.920	0.1					T__				mc_ ML	2.6	
SLE	0.23	302.4	Sg	22:12:24.240	0.4					T__				m__		
WILA	0.24	159.5	Pg	22:12:21.190	0.1					T__				md_ ML	1.9	
WALHA	0.25	64.6	Pg	22:12:21.360	0.1					T__				mc_ ML	2.0	
WALHA	0.25	64.6	Sg	22:12:25.268	0.6					___				m_e		
EMING	0.26	10.0	Pg	22:12:21.390	0.1					T__				md_ ML	2.1	

EMING	0.26	10.0	Sg	22:12:25.047	0.4	___	m_e	
METMA	0.36	281.0	Pg	22:12:23.240	0.0	T_	mc_ ML	1.4
METMA	0.36	281.0	Sg	22:12:28.210	0.2	T_	m_	
ROMAN	0.38	101.8	Pg	22:12:23.650	0.1	T_	mc_ ML	1.6
ROMAN	0.38	101.8	Sg	22:12:28.930	0.3	T_	m_	
BERGE	0.46	299.5	Pg	22:12:25.210	0.1	T_	mc_ ML	1.8
BERGE	0.46	299.5	Sg	22:12:31.620	0.4	T_	m_	
SULZ	0.47	255.9	Pg	22:12:25.320	0.2	T_	mc_ ML	1.9
GUT	0.48	27.6	Pg	22:12:25.480	0.0	T_	m_ ML	2.1
GUT	0.48	27.6	Sg	22:12:32.160	0.4	T_	m_	
A101B	0.50	342.0	Pg	22:12:25.790	0.0	___	m_ ML	1.9
A101B	0.50	342.0	Sg	22:12:32.500	0.2	___	m_	
ROTE	0.51	351.8	Pg	22:12:26.040	-0.0	T_	m_ ML	1.8
ROTE	0.51	351.8	Sg	22:12:33.040	0.3	T_	m_	
A103D	0.54	72.9	Pg	22:12:26.700	0.2	___	m_ ML	1.9
A103D	0.54	72.9	Sg	22:12:34.340	0.8	___	m_	
MSS	0.55	12.7	Pg	22:12:26.790	0.1	T_	md_ ML	1.7
A102A	0.57	29.3	Pg	22:12:27.140	0.1	___	m_ ML	2.2
A102A	0.57	29.3	Sg	22:12:35.030	0.5	___	m_	
FELD	0.57	294.3	Pg	22:12:27.190	0.1	T_	mc_ ML	2.3
LIENZ	0.59	125.6	Pg	22:12:27.870	0.3	T_	m_ ML	1.8
LIENZ	0.59	125.6	Sg	22:12:36.390	1.1	T_	m_	
FREU	0.64	21.8	Pg	22:12:28.400	0.1	T_	md_ ML	1.6
FREU	0.64	21.8	Sg	22:12:36.920	0.3	T_	m_	
KIZ	0.66	298.6	Pg	22:12:28.750	0.0	T_	mc_ ML	2.4
KIZ	0.66	298.6	Sg	22:12:37.630	0.3	T_	m_	
ENDD	0.71	276.2	Pg	22:12:29.620	-0.0	T_	mc_ ML	2.2
ENDD	0.71	276.2	Sg	22:12:39.090	0.3	T_	m_	
BFO	0.75	336.4	Pn	22:12:30.370	-2.2	___	md_ ML	1.8
BFO	0.75	336.4	Pg	22:12:30.940	0.5	T_	m_	
BFO	0.75	336.4	Sg	22:12:40.222	0.0	___	m_e	
A104A	0.75	55.8	Pg	22:12:30.680	0.2	___	m_ ML	2.4
A104A	0.75	55.8	Sg	22:12:40.860	0.6	___	m_	
LOES	0.75	267.4	Pg	22:12:30.580	0.1	T_	m_	
A104C	0.76	50.3	Pg	22:12:30.910	0.3	___	m_ ML	2.3
A104C	0.76	50.3	Sg	22:12:41.100	0.6	___	m_	
BALST	0.80	247.6	Pg	22:12:31.450	0.1	T_	m_ ML	1.9
BALST	0.80	247.6	Sg	22:12:42.150	0.5	T_	m_	
A100A	0.81	6.8	Pg	22:12:31.600	-0.1	___	m_ ML	2.5
A100A	0.81	6.8	Sg	22:12:42.650	0.4	___	m_	
BREM	0.82	289.4	Pg	22:12:32.150	0.4	T_	m_	
BREM	0.82	289.4	Sg	22:12:43.600	1.2	T_	m_	
DAVA	0.82	115.3	Pn	22:12:32.010	-1.5	___	m_ ML	1.9
BUCH	0.89	25.2	Pn	22:12:33.060	-1.4	T_	md_ ML	2.3
BUCH	0.89	25.2	Pg	22:12:33.780	0.7	___	m_	
UBR	0.89	87.2	Pg	22:12:33.420	0.3	T_	m_ ML	1.8
UBR	0.89	87.2	Sg	22:12:46.584	1.8	___	m_e	
A109A	0.92	29.3	Pg	22:12:33.570	-0.1	___	m_ ML	2.7
A109A	0.92	29.3	Sg	22:12:46.100	0.6	___	m_	
OPP	0.94	335.3	Pn	22:12:33.710	-1.4	T_	m_ ML	1.9
OPP	0.94	335.3	Pg	22:12:34.310	0.3	T_	md_	
A108A	0.99	44.6	Pg	22:12:35.170	0.1	T_	m_ ML	2.7
A108A	0.99	44.6	Sg	22:12:48.080	0.2	___	m_	
A107C	1.02	68.0	Pg	22:12:35.340	-0.2	T_	m_ ML	3.1

A107C	1.02	68.0	Sg	22:12:50.540	1.7	---	0.5	m__											
A105A	1.05	102.5	Pg	22:12:36.480	0.4	---		m__	ML	2.1									
OBER	1.05	102.5	Pg	22:12:36.680	0.6	T__		m__	ML	1.0									
OBER	1.05	102.5	Sg	22:12:50.904	1.3	---		m_e											
BOURR	1.08	257.2	Pn	22:12:36.810	-0.1	---		m__											
BOURR	1.08	257.2	Sn	22:12:51.430	-0.1	---		m__											
GALG	1.14	360.0	Pn	22:12:36.420	-1.4	T__		m__	ML	1.8									
BABA	1.14	340.2	Pn	22:12:37.730	-0.2	---		m__	ML	1.8									
DEGG	1.15	32.5	Pn	22:12:36.340	-1.6	T__		m__	ML	2.1									
A106B	1.27	29.1	Sg	22:12:57.220	0.4	---		m__											
URBA	1.31	23.9	Pn	22:12:38.290	-1.8	---		m__	ML	2.3									
URBA	1.31	23.9	Pg	22:12:40.690	-0.3	T__		m__											
RETA	1.35	96.0	Pn	22:12:41.600	1.0	---		md__	ML	1.4									
RETA	1.35	96.0	Sn	22:12:59.960	2.1	---		m__											
CHMF	1.49	255.4	Pn	22:12:41.480	-1.1	---		m__	ML	1.8									
CHMF	1.49	255.4	Pg	22:12:43.990	-0.4	---		m__											
NORI	1.63	48.1	Sg	22:13:07.938	-0.3	---		m_e	ML	2.0									
FUR	1.75	71.8	Pn	22:12:49.160	3.0	---		m__											

Event 80717009 W of Meppen, Dutch-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/17	09:53:57.00			52.7110	6.7270				3.0							m i ki	KNMI	80717019
2018/07/17	09:53:58.92	1.37	1.50	52.6680	6.6760	20.0	11.1	150	3.0f		8	5	286	0.71	2.10	m i ki	BGR	80717009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		KNMI	80717019
ML	2.0	0.2	4 BGR	80717009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTSB	0.71	173.8	Sg	09:54:23.521	2.2					T__				m_e	ML 2.2
IBBN	0.75	118.3	Pg	09:54:12.677	-0.4					T__				m_e	ML 2.1
IBBN	0.75	118.3	Sg	09:54:25.179	2.3					T__				m_e	
BUG	1.28	163.2	Sg	09:54:37.879	-1.7					T__				m_e	ML 1.9
KAST	1.82	143.1	Pg	09:54:31.493	-1.7					T__				m_e	ML 1.8
KAST	1.82	143.1	Sg	09:54:55.541	-1.1					T__				m_e	
MEM	2.10	191.6	Pg	09:54:39.320	0.8					T__				m_e	
MEM	2.10	191.6	Sg	09:55:05.796	0.2					T__				m_e	

Event 80717006 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/17	18:13:45.00	0.05	0.63	44.5215	7.0895	1.1	0.7	062	8.0f		178	40	045			m i ke	LDG	80717016
2018/07/17	18:13:46.62	0.52	1.36	44.4260	7.0500	11.1	7.8	080	10.0f		43	22	292	2.94	6.35	m i ke	BGR	80717006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.6	0.1	2 LDG	80717016
ML	3.8	0.3	46 LDG	80717016

ML 3.6 0.3 19 BGR 80717006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	2.94	8.5	Pn	18:14:32.538	0.1					T__				m_e	ML 3.7
BALST	2.94	8.5	Pg	18:14:39.502	-2.6					T__				m_e	
BALST	2.94	8.5	Sn	18:15:07.552	2.1					T__				m_e	
PLONS	3.09	31.0	Pn	18:14:34.463	0.1					T__				m_e	ML 3.1
SULZ	3.19	13.0	Pn	18:14:35.146	-0.6					T__				m_e	ML 3.9
SULZ	3.19	13.0	Sg	18:15:25.157	-2.8					T__				m_e	
WILA	3.26	22.7	Pn	18:14:37.521	0.9					T__				m_e	ML 3.8
METMA	3.39	13.8	Pn	18:14:36.692	-1.8					T__				m_e	ML 3.3
METMA	3.39	13.8	Pg	18:14:46.829	-3.7					T__				m_e	
METMA	3.39	13.8	Sn	18:15:16.530	0.6					T__				m_e	
DAVA	3.47	33.6	Pn	18:14:40.082	0.5					T__				m_e	ML 3.5
DAVA	3.47	33.6	Sn	18:15:19.233	1.4					T__				m_e	
SLE	3.49	16.2	Pn	18:14:38.778	-1.0					T__				m_e	ML 4.5
SLE	3.49	16.2	Sn	18:15:18.500	0.3					T__				m_e	
SLE	3.49	16.2	Sg	18:15:35.331	-2.1					T__				m_e	
BERGE	3.53	12.4	Pn	18:14:39.145	-1.3					T__				m_e	ML 3.5
BERGE	3.53	12.4	Pg	18:14:49.852	-3.4					T__				m_e	
BERGE	3.53	12.4	Sn	18:15:21.003	1.7					T__				m_e	
BERGE	3.53	12.4	Sg	18:15:35.900	-3.0					T__				m_e	
WALHA	3.62	22.6	Pn	18:14:40.614	-1.0					T__				m_e	ML 3.7
WALHA	3.62	22.6	Pg	18:14:52.108	-2.8					T__				m_e	
WALHA	3.62	22.6	Sn	18:15:24.027	2.6					T__				m_e	
EMING	3.69	19.1	Pn	18:14:42.165	-0.3					T__				m_e	ML 3.7
EMING	3.69	19.1	Sn	18:15:24.236	1.4					T__				m_e	
OBER	3.74	36.0	Pn	18:14:44.828	1.6					T__				m_e	ML 3.2
ECH	3.79	1.1	Pn	18:14:43.462	-0.4					T__				m_e	ML 3.4
ECH	3.79	1.1	Pg	18:14:56.827	-1.3					T__				m_e	
ECH	3.79	1.1	Sn	18:15:25.476	0.1					T__				m_e	
UBR	3.88	32.0	Pn	18:14:47.196	2.0					T__				m_e	ML 3.6
UBR	3.88	32.0	Sn	18:15:31.640	4.1					T__				m_e	
BFO	4.00	12.3	Pn	18:14:46.076	-0.7					T__				m_e	ML 3.6
BFO	4.00	12.3	Sn	18:15:31.287	1.0					T__				m_e	
KTD	4.94	7.8	Pn	18:14:59.079	-0.5					T__				m_e	
KTD	4.94	7.8	Sn	18:15:54.981	2.5					T__				m_e	
RJOB	5.18	48.2	Pn	18:15:02.975	0.2					T__				m_e	ML 3.3
RIVT	5.29	358.0	Pn	18:15:05.001	0.8					T__				m_e	
RIVT	5.29	358.0	Sn	18:16:03.545	3.1					T__				m_e	
ABH	5.47	3.4	Pn	18:15:06.728	0.1					T__				m_e	
OBKA	5.65	65.7	Sn	18:16:10.976	1.8					T__				m_e	ML 3.3
TNS	5.87	8.8	Pn	18:15:12.974	0.8					T__				m_e	ML 3.6
AHRW	6.12	0.2	Sg	18:16:58.688	-2.2					T__				m_e	ML 3.8
GEC2	6.35	43.6	Pn	18:15:17.655	-1.0					T__				m_e	ML 3.5
GEC2	6.35	43.6	Sn	18:16:24.031	-1.5					T__				m_e	

Event 80718001 Koblenz/Middle Rhine Area

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/18	03:40:50.30	0.05	0.51	50.3634	7.3690	1.0	0.9	001	12.0f		147	26	040			m i ke	LDG	80718061
2018/07/18	03:40:49.79		0.76	50.3560	7.4210				14.2	3.4	35	21	067	0.29	2.50	m i ke	BUG	80718051

HOBG	0.62	356.2	Pg	03:41:02.490	-0.2	---				mce		
OLFT	0.64	281.9	Pg	03:41:02.790	-0.2	---				mde		
OLFT	0.64	281.9	Sg	03:41:11.380	0.0	---				m_e		
WBFO	0.68	71.9	Pg	03:41:03.700	-0.2	---				m__ ML	2.4	
WBFO	0.68	71.9	Sg	03:41:11.800	-1.0	---				m__		
TNS	0.69	101.8	Pg	03:41:03.620	-0.3	T__		0.4		md_ ML	2.5	
TNS	0.69	101.8	Sg	03:41:12.224	-0.6	---				m_e		
HECH	0.70	125.5	Pg	03:41:04.400	0.3	---				m__		
HECH	0.70	125.5	Sg	03:41:13.800	0.6	---			2.1	m__		
BODE	0.73	128.0	Pg	03:41:04.700	-0.1	---				m__		
BODE	0.73	128.0	Sg	03:41:15.510	1.1	---				m_e		
PLH	0.74	330.3	Pg	03:41:04.700	-0.1	---				m_e		
PLH	0.74	330.3	Sg	03:41:14.190	-0.3	---				m_e		
GSH	0.75	300.0	Pg	03:41:04.900	-0.1	---				m__ ML	2.3	
GSH	0.75	300.0	Sg	03:41:13.700	-1.1	---		116.4	0.54	m__		
KLL	0.75	292.4	Pg	03:41:04.568	-0.5	---				m_e		
RIVT	0.77	211.9	Pg	03:41:04.500	-1.0	T__				m__ ML	2.7	
RIVT	0.77	211.9	Sg	03:41:15.790	0.1	T__				m__		
DREG	0.80	292.2	Pg	03:41:05.727	-0.3	---				m_e		
IMS	0.84	157.1	Pn	03:41:06.560	-1.1	T__				m__ ML	3.0	
IMS	0.84	157.1	Pg	03:41:07.230	0.5	T__				m__		
IMS	0.84	157.1	Sg	03:41:18.100	0.4	---			0.8	m__		
BH01	0.86	123.5	Pg	03:41:06.600	-0.5	---				m__ ML	2.3	
BH01	0.86	123.5	Sg	03:41:19.600	1.3	---			0.2	m__		
ENTS	0.87	0.5	Pg	03:41:06.870	-0.5	---				m_e		
ENTS	0.87	0.5	Sg	03:41:18.590	-0.2	---				m_e		
GODD	0.90	126.6	Pg	03:41:08.600	0.7	---				m__		
ACN	0.93	296.5	Pg	03:41:07.760	-0.7	---				m_e		
ACN	0.93	296.5	Sg	03:41:19.840	-0.7	---				m_e		
WBB	0.96	122.5	Pn	03:41:08.780	-0.6	T__			66.0	0.12	m__ ML	2.5
WBB	0.96	122.5	Pg	03:41:09.140	0.0	T__				m__		
WBB	0.96	122.5	Sg	03:41:21.800	0.1	---			0.2	m__		
EBSD	0.99	69.7	Pg	03:41:09.400	-0.2	---				m__ ML	2.5	
EBSD	0.99	69.7	Sg	03:41:21.100	-1.4	---			0.3	m__		
MESS	1.00	117.5	Pg	03:41:08.900	-0.8	---				m__ ML	2.8	
MESS	1.00	117.5	Sg	03:41:22.700	0.1	---			0.7	m__		
HGN	1.01	293.6	Pg	03:41:09.690	-0.3	---				m__ ML	2.7	
HGN	1.01	293.6	Sg	03:41:22.900	-0.3	---			0.4	m__		
LAUG	1.03	343.9	Pg	03:41:09.561	-0.7	---				m_e		
HES	1.03	347.4	Pg	03:41:09.400	-0.8	---				m__ ML	2.7	
HES	1.03	347.4	Sg	03:41:23.000	-0.6	---			94.2	0.13	m__	
ERNH	1.04	124.0	Pg	03:41:09.700	-0.7	---				m__ ML	2.9	
ERNH	1.04	124.0	Sg	03:41:22.700	-1.2	---			0.6	m__		
SORT	1.05	20.0	Pg	03:41:10.000	-0.6	---				m_e		
SORT	1.05	20.0	Sg	03:41:23.940	-0.3	---			100.8	0.49	m_e	
KAST	1.05	37.2	Pg	03:41:09.656	-1.1	---				m_e ML	2.6	
KAST	1.05	37.2	Sg	03:41:22.115	-2.4	---				m_e		
BPFI	1.06	354.2	Pg	03:41:10.160	-0.7	---				m__ ML	2.8	
BPFI	1.06	354.2	Sg	03:41:23.340	-1.2	---			0.5	m__		
WLF	1.07	229.2	Pn	03:41:09.070	-1.7	T__				m__ ML	2.4	
WLF	1.07	229.2	Pg	03:41:09.790	-1.2	---				m_e		
WLF	1.07	229.2	Sg	03:41:23.444	-1.4	---				m_e		
BKLB	1.08	355.7	Pg	03:41:10.430	-0.8	---				m__		
BUG	1.08	355.7	Pg	03:41:10.323	-0.9	---				m_e ML	2.3	

BUG	1.08	355.7	Sg	03:41:23.973	-1.2	---												m_e	
BTEZ	1.08	356.0	Pg	03:41:10.730	-0.6	---												m__ ML	2.7
BULI	1.09	355.5	Pg	03:41:09.690	-1.8	---												m__	
RODG	1.10	315.7	Pg	03:41:11.548	0.0	---												m_e	
KTD	1.14	156.9	Pg	03:41:11.812	-0.5	---												m_e	
WBA	1.16	127.5	Pn	03:41:11.170	-0.8	---				T__								m__ ML	2.7
WBA	1.16	127.5	Pg	03:41:12.110	-0.6	---				T__								m__	
WBA	1.16	127.5	Sg	03:41:25.600	-2.1	---						0.2						m__	
GWBF	1.18	71.6	Pg	03:41:13.500	0.3	---												m__ ML	2.4
GWBF	1.18	71.6	Sg	03:41:28.100	-0.5	---						0.2						m__	
WBG	1.26	98.2	Pg	03:41:12.900	-1.7	---												m__ ML	2.2
WBG	1.26	98.2	Sg	03:41:29.500	-1.5	---						0.1						m__	
ZER1	1.28	343.8	Pg	03:41:14.390	-0.6	---												m__ ML	3.6
ZER1	1.28	343.8	Sg	03:41:31.960	0.3	---							0.6					m__	
ZER3	1.29	344.4	Pg	03:41:14.460	-0.8	---												m__ ML	3.5
ZER3	1.29	344.4	Sg	03:41:32.370	0.3	---							0.5					m__	
BAVN	1.38	352.9	Pg	03:41:16.130	-0.8	---												m__ ML	2.9
BAVN	1.38	352.9	Sg	03:41:34.750	-0.1	---							0.4					m__	
RCHB	1.40	262.2	Pn	03:41:15.218	-0.1	---												m_e ML	2.4
RCHB	1.40	262.2	Pg	03:41:15.981	-1.4	---												m_e	
FLIN	1.48	135.0	Pn	03:41:16.700	0.3	---												m__ ML	2.7
UBBA	1.71	73.7	Pg	03:41:22.143	-1.0	---												m_e ML	2.2
UBBA	1.71	73.7	Sn	03:41:40.840	0.8	---												m__	
SIND	1.75	124.7	Pn	03:41:20.300	0.3	---												m__ ML	2.5
SIND	1.75	124.7	Sn	03:41:40.500	-0.4	---							0.2					m__	
HROE	1.76	83.4	Pn	03:41:21.900	1.7	---												m__ ML	2.2
IBBE	1.95	7.1	Pn	03:41:21.830	-0.9	---												m__ ML	2.9
IBBE	1.95	7.1	Sn	03:41:48.020	2.4	---							0.2					m__	
IBBN	1.95	6.5	Pn	03:41:22.120	-0.7	---												m__ ML	2.7
IBBN	1.95	6.5	Sn	03:41:46.920	1.2	---							0.1					m__	
GTTG	2.00	52.9	Pn	03:41:23.500	0.1	---												m__ ML	2.7
BFO	2.13	163.1	Pn	03:41:25.521	0.4	---												m_e ML	2.2
BFO	2.13	163.1	Pg	03:41:30.259	-0.6	---												m_e	
BFO	2.13	163.1	Sn	03:41:51.080	1.3	---							0.1					m__	
A100A	2.16	152.0	Pn	03:41:27.430	1.9	---												m__	
A106B	2.21	136.1	Sn	03:41:51.320	-0.4	---												m__	
CLZ	2.38	50.5	Pn	03:41:28.210	-0.4	---												m__ ML	2.5
CLZ	2.38	50.5	Pg	03:41:33.812	-1.9	---												m_e	
CLZ	2.38	50.5	Sn	03:41:57.690	1.9	---							0.1					m__	
A102A	2.52	151.5	Pn	03:41:31.070	0.6	---												m__ ML	2.6
GRA1	2.55	103.9	Pg	03:41:38.011	-0.8	---												m_e ML	2.4
BERGE	2.55	168.2	Pg	03:41:37.941	-0.9	---												m_e ML	2.5
ROTZ	3.14	99.2	Pg	03:41:48.515	-1.6	---												m_e ML	2.4
ROTZ	3.14	99.2	Sg	03:42:27.935	-2.8	---												m_e	
WET	3.74	107.0	Pn	03:41:48.836	1.7	---												m_e ML	2.5
GEC2	4.36	108.0	Pn	03:41:57.195	1.8	---												m_e	

Event 80720006 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/20	03:31:31.00	0.27	0.71	51.4686	16.1387	6.5	4.1	008	5.0f		62	28	251			m i ke	LDG	80720046
2018/07/20	03:31:30.03	0.54	1.13	51.4364	16.1394	4.1	3.0	013	0.0	0.0	65	17	002			m i sr	ZAMG	80720036

2018/07/20 03:31:29.90	0.44	0.21	51.4680	16.1950					1.0f		9 347	5.41	6.31	m i ki BNS	80720026
2018/07/20 03:31:34.30	0.70	0.89	51.4130	15.9970					24.4	5.6	26 17 061	2.86	6.49	m i ki BUG	80720016
2018/07/20 03:31:30.56	0.33	0.57	51.4700	16.1470	3.3	2.2	018		1.0f		46 17 199	0.63	3.60	m i ki BGR	80720006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	5.3	0.2	14 LDG	80720046
ML	4.2	0.2	17 ZAMG	80720036
ML	4.5		BNS	80720026
MD	4.6		1 BUG	80720016
ML	5.2	0.3	13 BUG	80720016
ML	4.6	0.3	15 BGR	80720006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.63	171.6	Pg	03:31:42.563	0.1					T__				m_e	ML 4.2
KSP	0.63	171.6	Sg	03:31:51.583	0.9					T__				m_e	
DPC	1.13	174.3	Pg	03:31:51.391	-0.4					T__				m_e	
DPC	1.13	174.3	Sg	03:32:06.751	0.4					T__				m_e	
BRG	1.51	247.5	Pn	03:31:57.084	-0.8					T__				m_e	ML 4.3
BRG	1.51	247.5	Pg	03:31:59.205	0.3					T__				m_e	
BRG	1.51	247.5	Sg	03:32:18.814	0.4					T__				m_e	
FBE	1.83	253.7	Pn	03:32:01.801	-0.6					T__				m_e	ML 4.2
FBE	1.83	253.7	Pg	03:32:04.635	-0.5					T__				m_e	
FBE	1.83	253.7	Sg	03:32:28.685	-0.1					T__				m_e	
MORC	1.91	151.9	Pn	03:32:03.153	-0.3					T__				m_e	ML 4.8
MORC	1.91	151.9	Sg	03:32:31.723	0.5					T__				m_e	
CLL	1.97	266.5	Pn	03:32:03.062	-1.1					T__				m_e	ML 4.3
CLL	1.97	266.5	Pg	03:32:07.257	-0.4					T__				m_e	
CLL	1.97	266.5	Sg	03:32:33.468	0.4					T__				m_e	
OKC	2.07	141.4	Pn	03:32:04.904	-0.6					T__				m_e	ML 4.2
OKC	2.07	141.4	Pg	03:32:09.396	-0.1					T__				m_e	
OKC	2.07	141.4	Sg	03:32:36.023	-0.2					T__				m_e	
TANN	2.55	247.0	Pn	03:32:12.154	0.1					T__				m_e	ML 4.5
TANN	2.55	247.0	Pg	03:32:19.288	0.7					T__				m_e	
TANN	2.55	247.0	Sg	03:32:51.135	-0.4					T__				m_e	
OJC	2.62	117.0	Pn	03:32:11.708	-1.4					T__				m_e	
OJC	2.62	117.0	Pg	03:32:20.754	0.8					T__				m_e	
WERD	2.63	248.6	Pn	03:32:13.242	0.1					T__				m_e	ML 4.6
WERD	2.63	248.6	Pg	03:32:20.537	0.5					T__				m_e	
WERD	2.63	248.6	Sg	03:32:53.439	-0.5					T__				m_e	
MANZ	2.96	241.4	Pn	03:32:18.036	0.5					T__				m_e	ML 4.8
MANZ	2.96	241.4	Pg	03:32:26.941	0.7					T__				m_e	
MANZ	2.96	241.4	Sg	03:33:05.361	0.9					T__				m_e	
MOX	2.96	255.6	Pn	03:32:17.684	-0.0					T__				m_e	ML 4.7
MOX	2.96	255.6	Pg	03:32:26.408	-0.0					T__				m_e	
MOX	2.96	255.6	Sg	03:33:05.953	1.2					T__				m_e	
ROTZ	3.02	237.3	Pn	03:32:18.414	-0.1					T__				m_e	ML 4.6
ROTZ	3.02	237.3	Pg	03:32:27.777	0.2					T__				m_e	
ROTZ	3.02	237.3	Sg	03:33:05.519	-1.1					T__				m_e	
GEC2	3.06	211.8	Pn	03:32:18.978	0.0					T__				m_e	ML 4.7
GEC2	3.06	211.8	Pg	03:32:28.159	-0.0					T__				m_e	
GEC2	3.06	211.8	Sg	03:33:07.529	-0.1					T__				m_e	
WET	3.12	223.2	Pn	03:32:20.217	0.3					T__				m_e	ML 4.6
WET	3.12	223.2	Pg	03:32:29.838	0.4					T__				m_e	

2018/07/21 08:58:38.88	2.48	0.19	48.0470	7.5470				0.2	10.2	8	4	337	0.59	1.11	m i ke	BUG	80721026
2018/07/21 08:58:39.21	0.34	0.42	48.0660	7.5440	3.3	2.2	044	10.0f		19	12	156	0.30	1.76	m i ke	BGR	80721016
2018/07/21 08:58:39.27	0.12	0.19	48.0660	7.5830	1.5	0.9	050	7.0	2.0	25	17	080	0.03	1.03	m i ke	LED	80721006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.1	0.1	3 LDG	80721036
ML	2.1	0.3	4 LDG	80721036
MD	2.8	1.1	4 BUG	80721026
ML	2.1	0.4	4 BUG	80721026
ML	1.3	0.4	9 BGR	80721016
ML	1.2	0.4	14 LED	80721006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BREI	0.03	175.6	Pg	08:58:41.090	0.5					T__				md_	
VOGT	0.06	75.1	Pg	08:58:41.350	0.4					T__				mc_ ML	1.8
VOGT	0.06	75.1	Sg	08:58:42.520	0.5					T__				m__	
BREM	0.16	169.1	Pg	08:58:43.030	0.6					T__				md_	
BREM	0.16	169.1	Sg	08:58:45.890	1.2					T__				m__	
FBB	0.19	109.5	Sg	08:58:46.360	0.7					T__				m__ ML	1.7
KIZ	0.25	116.0	Pg	08:58:44.310	0.2					T__				md_ ML	1.3
KIZ	0.25	116.0	Sg	08:58:47.700	0.2					T__				m__	
ECH	0.32	298.1	Pg	08:58:45.380	-0.0					T__				md_ ML	0.6
ECH	0.32	298.1	Sg	08:58:49.450	-0.2					T__				m__	
FELD	0.34	123.8	Pg	08:58:45.950	0.2					T__				m__ ML	0.9
FELD	0.34	123.8	Sg	08:58:50.500	0.3					T__				m__	
ENDD	0.37	163.5	Pg	08:58:46.330	0.1					T__				m__ ML	0.8
ENDD	0.37	163.5	Sg	08:58:51.220	0.2					T__				m__	
WLS	0.38	336.3	Pg	08:58:46.710	0.2					T__				md_ ML	1.4
WLS	0.38	336.3	Sg	08:58:51.780	0.3					T__				m__	
BERGE	0.44	115.8	Pg	08:58:47.960	0.3					T__				m__ ML	1.1
BERGE	0.44	115.8	Sg	08:58:53.760	0.3					T__				m__	
BFO	0.56	61.8	Pg	08:58:50.110	0.2					T__				md_ ML	0.9
BFO	0.56	61.8	Sg	08:58:57.886	0.6					___				m_e	
METMA	0.57	128.0	Pg	08:58:50.190	0.1					T__				m__ ML	1.2
METMA	0.57	128.0	Sg	08:58:57.662	0.1					___				m_e	
SULZ	0.64	146.3	Pg	08:58:51.730	0.3					T__				m__ ML	1.1
SULZ	0.64	146.3	Sg	08:59:00.860	1.0					___				m_e	
A101B	0.65	85.0	Pg	08:58:52.000	0.5					___				m__ ML	1.6
A101B	0.65	85.0	Sg	08:59:00.520	0.6					___		0.1		m__	
SLE	0.68	115.8	Pg	08:58:52.290	0.2					T__				m__ ML	2.2
SLE	0.68	115.8	Sg	08:59:01.453	0.5					___				m_e	
ROTE	0.73	82.8	Pg	08:58:53.530	0.4					T__				m__ ML	2.0
BABA	0.77	31.6	Pg	08:58:53.800	0.0					T__				m__ ML	1.7
EMING	0.86	100.9	Sg	08:59:07.723	1.0					___				m_e ML	1.4
A100A	0.97	66.1	Pg	08:58:57.980	0.3					___				m__ ML	1.7
A100A	0.97	66.1	Sg	08:59:11.650	1.4					___		0.0		m__	
CHMF	1.03	217.8	Pn	08:58:57.920	-1.6					T__				m__ ML	1.1
WALHA	1.08	106.3	Sg	08:59:15.130	1.5					___				m_e ML	1.5
A102A	1.08	85.5	Pg	08:59:00.200	0.5					___				m__ ML	1.9
A102A	1.08	85.5	Sg	08:59:14.460	0.8					___		0.1		m__	
WILA	1.10	125.7	Pg	08:59:00.838	0.7					___				m_e ML	1.6
WILA	1.10	125.7	Sg	08:59:15.515	1.1					___				m_e	
KTD	1.30	14.6	Sg	08:59:21.487	1.0					___				m_e	

RIVT	1.73	342.2	Sg	08:59:33.142	-1.1	---	m_e
UBR	1.74	101.9	Sg	08:59:35.447	1.0	---	m_e

Event 80723008 Maastricht, Heerlen/NL, Dutch-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/23	08:38:04.50	0.18	0.31	50.8855	6.0246	2.7	1.8	037	5.0f		32	14	276			m i ke	LDG	80723038
2018/07/23	08:38:04.60	0.30	0.11	50.8980	5.9710				7.7	3.2		11	262			m i ke	GDNRW	80723028
2018/07/23	08:38:05.67	0.34	0.92	50.8930	6.0580	4.4	2.2	096	10.0f		25	14	164	0.29	2.86	m i ke	BGR	80723018
2018/07/23	08:38:04.60	0.46	0.21	50.9120	5.9650				2.4	4.6		13	228	0.14	1.12	m i ke	BNS	80723008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.2	14 LDG	80723038
ML	2.0		GDNRW	80723028
ML	2.4	0.4	7 BGR	80723018
ML	2.2		BNS	80723008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BA12	0.14	91.1	Pg	08:38:07.534	0.3					T__					mde
BA01	0.15	155.4	Pg	08:38:07.583	0.2					T__					m_e
BA01	0.15	155.4	Sg	08:38:09.879	0.6					T__		1914.3	0.58		m_e
ACN	0.16	151.2	Pg	08:38:07.700	0.1					---					m_e
ACN	0.16	151.2	Sg	08:38:09.990	0.4					---		1086.8	0.18		m_e
BA13	0.17	23.6	Pg	08:38:08.563	0.7					T__					mce
BA02	0.21	131.3	Pg	08:38:08.772	0.2					T__					m_e
RODG	0.27	30.1	Pg	08:38:10.044	0.4					T__					mci
RODG	0.27	30.1	Sg	08:38:14.522	1.3					T__		429.3	0.43		m_e
DREG	0.30	145.7	Pg	08:38:10.365	0.1					T__					mde
DREG	0.30	145.7	Sg	08:38:14.500	0.3					T__		249.8	0.23		m_e
MEM	0.30	174.6	Pg	08:38:10.488	0.1					---					m_e
MEM	0.30	174.6	Sg	08:38:14.444	0.2					---					m_e
BD17	0.31	63.9	Pg	08:38:10.412	-0.0					T__					m_e
GSH	0.32	123.8	Pg	08:38:10.840	0.3					---					m_e
GSH	0.32	123.8	Sg	08:38:15.240	0.6					---		241.5	0.29		m_e
KLL	0.34	140.3	Pg	08:38:11.209	0.1					T__					m_e
OLFT	0.51	145.2	Pg	08:38:14.140	-0.0					---					m_e
OLFT	0.51	145.2	Sg	08:38:20.860	0.1					---					m_e
PLH	0.55	80.0	Pg	08:38:15.110	0.2					---					m_e
PLH	0.55	80.0	Sg	08:38:22.210	0.3					---					m_e
OPLO	0.70	355.3	Sg	08:38:28.532	1.7					---					m_e ML 3.1
LAUG	0.76	54.1	Pg	08:38:19.070	0.2					T__					m_e
AHRW	0.80	117.4	Pg	08:38:20.192	0.6					---					m_e ML 1.8
AHRW	0.80	117.4	Sg	08:38:30.645	0.8					---					m_e
LOH	0.81	153.4	Pg	08:38:19.840	-0.1					---					m_e
LOH	0.81	153.4	Sg	08:38:30.740	0.3					---		38.3	0.50		m_e
HES	0.81	55.6	Pg	08:38:20.350	0.4					---					m_e
HES	0.81	55.6	Sg	08:38:31.510	1.0					---		94.6	0.17		m_e
WBS	0.84	96.7	Pg	08:38:20.390	-0.0					---					m_e
WBS	0.84	96.7	Sg	08:38:31.540	0.3					---		73.8	0.35		m_e
HOBG	0.87	84.7	Pg	08:38:21.477	0.6					T__					m_e
BHE	0.95	125.5	Pg	08:38:22.690	0.1					---					m_e
BHE	0.95	125.5	Sg	08:38:35.230	0.4					---		29.4	0.16		m_e

ENTS	0.97	69.5	Pg	08:38:23.170	0.4	---	m_e												
ENTS	0.97	69.5	Sg	08:38:35.870	0.6	---	m_e												
BUG	0.97	56.6	Pg	08:38:23.573	0.6	---	m_e												
BGG	1.12	128.5	Pg	08:38:25.819	0.1	T_	m_e												
WTSB	1.18	25.9	Pg	08:38:27.123	0.4	---	m_e												
WTSB	1.18	25.9	Sg	08:38:43.483	1.5	---	m_e												
WLF	1.25	174.4	Pg	08:38:29.193	1.0	---	m_e	ML	2.5										
WLF	1.25	174.4	Sg	08:38:44.292	-0.1	---	m_e												
RIVT	1.31	156.7	Pn	08:38:29.314	0.2	---	m_e												
RIVT	1.31	156.7	Pg	08:38:31.338	2.1	---	m_e												
RIVT	1.31	156.7	Sg	08:38:46.487	0.3	---	m_e												
SORT	1.33	70.1	Pg	08:38:28.850	-0.9	---	m_e												
SORT	1.33	70.1	Sg	08:38:46.070	-0.9	---	m_e			23.3	0.27								
ABH	1.44	135.0	Pn	08:38:31.148	0.2	---	m_e												
ABH	1.44	135.0	Pg	08:38:32.419	0.6	---	m_e												
ABH	1.44	135.0	Sg	08:38:50.184	-0.2	---	m_e												
KAST	1.57	78.4	Pn	08:38:32.982	0.3	---	m_e												
KAST	1.57	78.4	Pg	08:38:35.569	1.4	---	m_e												
KAST	1.57	78.4	Sg	08:38:53.804	-0.6	---	m_e												
TNS	1.72	112.7	Pg	08:38:36.544	-0.5	---	m_e	ML	2.0										
TNS	1.72	112.7	Sg	08:38:57.725	-1.5	---	m_e												
IBBN	1.78	37.9	Sg	08:39:01.070	-0.2	---	m_e	ML	2.5										
KTD	2.09	138.7	Sg	08:39:09.683	-1.4	---	m_e												
ECH	2.80	163.5	Sg	08:39:31.979	-1.7	---	m_e	ML	2.2										
CLZ	2.90	69.6	Sg	08:39:34.862	-2.0	---	m_e	ML	2.5										

Event 80723009 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
2018/07/23	22:14:16.70	1.07	0.56	50.9000	5.9900				8.0f		29	11	262			m i ke	LDG	80723049
2018/07/23	22:14:16.52	0.48	0.58	50.8970	5.9680				4.2	2.1	20	11	207	0.13	1.24	m i ke	BUG	80723039
2018/07/23	22:14:16.00	0.26	0.11	50.9080	5.9580				9.7	1.9		11	263			m i ke	GDNRW	80723029
2018/07/23	22:14:16.84	0.40	0.80	50.8880	6.0480	4.4	2.2	087	10.0f		18	11	174	0.94	2.86	m i ke	BGR	80723019
2018/07/23	22:14:16.60	0.89	0.31	50.9040	6.0080				2.2	8.9		13	209	0.11	1.19	m i ke	BNS	80723009

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.4	4 LDG	80723049
MD	3.4	1.0	9 BUG	80723039
ML	2.4	0.2	7 BUG	80723039
ML	1.6		GDNRW	80723029
ML	1.6	0.2	5 BGR	80723019
ML	1.5		BNS	80723009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BA12	0.11	12.5	Pg	22:14:19.274	0.5					T_				mde	
BA01	0.13	14.4	Pg	22:14:19.324	0.3					T_				m_e	
HGN	0.15	16.5	Pg	22:14:19.260	-0.2					---				m_	
HGN	0.15	16.5	Sg	22:14:21.760	0.4					---		0.5		m_	
BA13	0.17	19.2	Pg	22:14:20.257	0.4					T_				m_e	
BA02	0.19	20.7	Pg	22:14:20.527	0.4					T_				m_e	
RODG	0.26	29.4	Pg	22:14:21.681	0.1					T_				mce	

RODG	0.26	29.4	Sg	22:14:26.457	1.4	T__	83.5	0.49	m_e										
DREG	0.28	31.1	Pg	22:14:22.223	0.3	T__			m_e										
GSH	0.29	31.9	Pg	22:14:22.510	0.5	---			m_e										
GSH	0.29	31.9	Sg	22:14:27.050	1.3	---	82.5	0.24	m_e										
KLL	0.32	35.6	Pg	22:14:22.777	0.1	T__			m_e										
KLL	0.32	35.6	Sg	22:14:27.475	0.7	T__	35.8	0.32	m_e										
OLFT	0.48	53.9	Pg	22:14:25.940	0.2	---			m_e										
OLFT	0.48	53.9	Sg	22:14:32.760	0.7	---			m_e										
PLH	0.52	58.0	Pg	22:14:26.750	0.3	---			m_e										
PLH	0.52	58.0	Sg	22:14:33.940	0.7	---			m_e										
LAUG	0.74	82.1	Pg	22:14:30.382	-0.1	T__			m_e										
HILG	0.75	82.9	Sg	22:14:40.816	0.5	T__	11.1	0.18	m_e										
WBS	0.81	90.1	Sg	22:14:43.370	1.0	---	22.9	0.31	m_e										
HOBG	0.84	93.3	Pg	22:14:32.865	0.4	T__			m_e										
BKLB	0.96	106.3	Pg	22:14:35.170	0.6	---			m__ ML										1.9
BUG	0.96	106.3	Pg	22:14:35.160	0.5	---			m_e ML										1.7
BUG	0.96	106.3	Sg	22:14:47.988	1.0	---			m_e										
BGG	1.10	121.8	Pg	22:14:37.743	0.5	T__			m_e										
WTSB	1.17	130.2	Pg	22:14:38.752	0.1	---			m_e										
WTSB	1.17	130.2	Sg	22:14:54.943	1.1	---			m_e										
KOE	1.19	132.7	Pg	22:14:39.181	0.1	T__			m_e										
WLF	1.24	138.1	Pg	22:14:40.306	0.3	---			m_e ML										1.9
WLF	1.24	138.1	Sg	22:14:56.216	0.1	---			m_e										
RIVT	1.29	143.4	Sg	22:14:58.089	0.5	---			m_e										
SORT	1.31	145.7	Sg	22:14:57.260	-1.0	---	7.4	0.24	m_e										
TNS	1.69	188.2	Pg	22:14:48.338	-0.2	---			m_e ML										1.6
TNS	1.69	188.2	Sg	22:15:08.491	-1.9	---			m_e										
KTD	2.07	230.1	Sg	22:15:21.451	-0.9	---			m_e										
ECH	2.79	310.2	Sg	22:15:43.569	-1.7	---			m_e										
CLZ	2.88	320.3	Sg	22:15:46.904	-1.2	---			m_e										

Event 80725001 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/25	21:26:37.30	0.17	0.42	51.5386	6.8878	2.8	2.3	019	2.0	0.0	55	20	271			m i ke	LDG	80725041
2018/07/25	21:26:37.20	0.72	0.41	51.5570	6.8830				1.0f			7	309	0.21	1.38	m i ki	BNS	80725031
2018/07/25	21:26:35.60	0.23	0.11	51.6150	6.8720				1.0f			12	249			m i ki	GDNRW	80725021
2018/07/25	21:26:37.04	0.55	0.92	51.5700	6.8350	7.8	4.4	118	1.0f		13	7	204	0.30	2.21	m i ki	BGR	80725011
2018/07/25	21:26:35.47		0.73	51.5810	6.8730				4.0	1.9	31	17	058	0.03	1.68	m i ki	BUG	80725001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.3	22 LDG	80725041
ML	2.1		BNS	80725031
ML	2.0		GDNRW	80725021
ML	2.1	0.1	7 BGR	80725011
MD	2.6	0.5	11 BUG	80725001
ML	2.7	0.1	5 BUG	80725001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZER1	0.03	294.8	Pg	21:26:36.750	0.4					T__				m__ ML	2.4
ZER1	0.03	294.8	Sg	21:26:37.800	0.8					T__		63.9		m__	

ZER3	0.04	325.9	Pg	21:26:36.860	0.4	T__		m__	ML	2.1
ZER3	0.04	325.9	Sg	21:26:38.230	1.1	T__	28.1	m__		
ZERL	0.04	356.9	Pg	21:26:36.920	0.4	T__		m__	ML	2.1
ZERL	0.04	356.9	Sg	21:26:38.020	0.9	T__	26.4	m__		
BRH3	0.20	250.0	Pg	21:26:40.500	1.2	T__		m__	ML	2.7
BRH3	0.20	250.0	Sg	21:26:44.190	2.3	T__	5.4	m__		
BAVS	0.20	53.5	Pg	21:26:40.630	1.3	T__		m__		
BAVS	0.20	53.5	Sg	21:26:44.430	2.5	T__	5.9	m__		
BAVN	0.22	44.4	Pg	21:26:41.110	1.4	T__		m__	ML	2.2
BAVN	0.22	44.4	Sg	21:26:45.270	2.7	T__	2.2	m__		
LAUG	0.23	169.1	Pg	21:26:41.004	1.1	---		m_e		
HES	0.24	153.7	Pg	21:26:41.350	1.3	---		mde		
HES	0.24	153.7	Sg	21:26:45.250	2.1	---	121.1	0.43	m_e	
BULI	0.27	117.6	Pg	21:26:42.390	1.7	T__		m__	ML	2.2
BULI	0.27	117.6	Sg	21:26:47.290	3.1	T__	1.2	m__		
BPFI	0.27	126.2	Pg	21:26:42.190	1.5	T__		m__	ML	2.1
BPFI	0.27	126.2	Sg	21:26:46.380	2.1	T__	0.9	m__		
BUG	0.28	119.5	Pg	21:26:42.370	1.5	T__		m__	ML	2.2
BUG	0.28	119.5	Sg	21:26:46.710	2.2	T__	1.0	m__		
BKLB	0.28	119.6	Pg	21:26:42.590	1.7	T__		m__		
BTEZ	0.29	117.4	Pg	21:26:42.690	1.8	T__		m__	ML	2.1
ENTS	0.48	135.1	Pg	21:26:45.580	1.1	---		m_e		
ENTS	0.48	135.1	Sg	21:26:52.950	2.3	---		m_e		
PLH	0.58	183.3	Pg	21:26:47.620	1.2	---		m_e		
PLH	0.58	183.3	Sg	21:26:55.940	2.1	---		m_e		
RWB	0.66	223.4	Sg	21:26:58.400	2.0	---		m_e		
HOBG	0.66	154.1	Pg	21:26:49.209	1.2	---		m_e		
SORT	0.72	108.2	Pg	21:26:50.000	0.9	---		m_e		
SORT	0.72	108.2	Sg	21:26:59.960	1.5	---		m_e		
WBS	0.82	161.5	Pg	21:26:52.090	1.2	---	32.2	0.45	m_e	
WBS	0.82	161.5	Sg	21:27:03.820	2.4	---	34.3	0.24	m_e	
GSH	0.90	200.3	Pg	21:26:53.750	1.3	---		m_e		
GSH	0.90	200.3	Sg	21:27:06.410	2.3	---	50.0	0.32	m_e	
IBBN	0.91	36.6	Pg	21:26:54.840	2.2	T__		m__	ML	2.2
IBBN	0.91	36.6	Sg	21:27:07.880	3.5	T__	0.2	m__		
IBBE	0.92	38.0	Pg	21:26:55.010	2.3	T__		m__	ML	2.4
IBBE	0.92	38.0	Sg	21:27:08.490	3.9	T__	0.3	m__		
ACN	0.95	211.8	Pg	21:26:54.800	1.5	---		m_e		
ACN	0.95	211.8	Sg	21:27:07.430	1.9	---	85.8	0.16	m_e	
KLL	1.00	200.9	Pg	21:26:55.754	1.5	---		m_e		
DREG	1.00	203.9	Pg	21:26:55.754	1.4	---		m_e		
HGN	1.01	216.2	Pg	21:26:55.630	1.2	T__		m__		
HGN	1.01	216.2	Sg	21:27:09.680	2.2	T__		m__		
KAST	1.03	110.8	Pg	21:26:56.330	1.3	T__		m__	ML	2.3
KAST	1.03	110.8	Sg	21:27:11.580	3.2	T__		m__		
AHRW	1.05	172.9	Pg	21:26:56.640	1.4	T__		m__	ML	2.1
AHRW	1.05	172.9	Sg	21:27:12.170	3.4	T__		m__		
OLFT	1.12	194.9	Pg	21:26:57.720	1.1	---		m_e		
OLFT	1.12	194.9	Sg	21:27:13.140	2.0	---		m_e		
BHE	1.24	170.9	Pg	21:26:59.890	1.0	---		m_e		
BHE	1.24	170.9	Sg	21:27:16.820	1.8	---	16.8	0.37	m_e	
KOE	1.28	154.6	Pg	21:27:00.598	1.1	---		m_e		
KOE	1.28	154.6	Sg	21:27:18.100	2.1	---		m_e		
HILG	1.29	185.5	Pg	21:27:00.598	0.7	---		m_e		

BGG	1.41	167.8	Pg	21:27:02.359	0.4	---												m_e	
LOH	1.41	188.8	Pg	21:27:02.530	0.4	---												m_e	
LOH	1.41	188.8	Sg	21:27:21.020	0.6	---						34.3	0.22					m_e	
TNS	1.68	143.2	Pn	21:27:06.670	1.8	T_												m__ ML	2.1
TNS	1.68	143.2	Sg	21:27:30.280	1.3	---					3.7							m_e	
WLF	1.97	193.7	Pg	21:27:13.163	0.6	---					5.2							m_e ML	2.2
WLF	1.97	193.7	Sg	21:27:38.248	0.2	---					3.9							m_e	
CLZ	2.18	81.8	Sg	21:27:45.765	0.9	---					2.5							m_e ML	2.2

Event 80727004 Koblenz/Middle Rhine Area

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/27	15:17:56.90	0.46	1.13	50.3535	7.3095	7.2	3.8	049	10.0f		55	17	226			m i ke	LDG	80727064
2018/07/27	15:17:57.19		0.51	50.3770	7.3380				4.0	3.9	19	13	126	0.73	1.95	m i ke	BUG	80727054
2018/07/27	15:17:57.20	0.39	0.21	50.3760	7.3880				10.7	1.9		17	115			m i ke	GDNRW	80727044
2018/07/27	15:17:57.40	0.50	0.21	50.3800	7.3800				2.8	11.1		9	081	0.18	1.01	m i ke	BNS	80727034
2018/07/27	15:17:57.30		0.44	50.3800	7.3800				18.0	2.0	31	23	095			m i uk	HLNUG	80727024
2018/07/27	15:17:57.05	0.25	0.50	50.3780	7.3990	3.3	3.3	110	10.0f		18	14	080	0.26	2.48	m i ke	BGR	80727014
2018/07/27	15:17:57.60	0.10	0.29	50.3690	7.3900	1.8	1.3	006	10.0f		18	18	087	0.04	1.96	m i ke	LED	80727004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	18 LDG	80727064
MD	2.9	0.3	6 BUG	80727054
ML	3.0	0.3	6 BUG	80727054
ML	2.1		GDNRW	80727044
ML	2.2		BNS	80727034
ML	2.5	0.2	23 HLNUG	80727024
ML	2.3	0.3	5 BGR	80727014
ML	2.1	0.0	0 LED	80727004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OCHT	0.04	214.4	Pg	15:17:59.430	-0.0					T_				mc_ ML	2.1
OCHT	0.04	214.4	Sg	15:18:00.680	-0.0					---				m_e	
BHE	0.14	263.2	Pg	15:18:00.560	-0.1					T_				md_	
BHE	0.14	263.2	Sg	15:18:02.540	-0.2					---		1372.9	0.09	m_e	
BGG	0.17	191.7	Pg	15:18:01.143	-0.0					---				mci	
LAGB	0.18	267.6	Pg	15:18:01.320	-0.2					T_				md_ ML	2.2
LAGB	0.18	267.6	Sg	15:18:05.900	1.8					---		2.9		m_	
KOE	0.22	75.4	Pg	15:18:02.196	0.0					---				mdi	
KOE	0.22	75.4	Sg	15:18:05.271	-0.0					---		461.5	0.20	m_e	
AHRW	0.26	310.8	Pg	15:18:02.740	-0.1					T_				md_ ML	2.1
AHRW	0.26	310.8	Sg	15:18:06.310	-0.1					---				m_e	
FSH	0.34	211.7	Pg	15:18:03.920	-0.4					T_				mc_	
NAST	0.35	119.8	Pg	15:18:04.496	0.1					---				mde	
TDN	0.35	306.2	Pg	15:18:04.830	0.4					T_				m_	
FACH	0.39	91.7	Pg	15:18:04.990	-0.1					T_				md_ ML	2.5
FACH	0.39	91.7	Sg	15:18:11.900	1.7					---		1.0		m_	
GWBD	0.42	127.7	Pg	15:18:05.570	-0.0					T_				md_ ML	2.5
GWBD	0.42	127.7	Sg	15:18:12.900	1.8					---		1.0		m_	
WBS	0.44	351.2	Pg	15:18:06.050	-0.1					---				mde	
WBS	0.44	351.2	Sg	15:18:11.390	-0.6					---		280.1	0.28	m_e	

BIW	0.46	38.0	Pg	15:18:05.720	-0.7
HILG	0.46	260.6	Pg	15:18:06.115	-0.3
ABH	0.50	168.2	Pg	15:18:07.180	0.0
ABH	0.50	168.2	Sg	15:18:13.127	-0.5
GWBC	0.56	87.3	Pg	15:18:08.330	0.0
LOH	0.58	251.5	Pg	15:18:08.210	-0.4
LOH	0.58	251.5	Sg	15:18:16.390	0.2
GWBO	0.58	138.3	Pg	15:18:09.300	0.7
GWBO	0.58	138.3	Sg	15:18:18.700	2.5
BNS	0.61	347.2	Pg	15:18:09.179	-0.0
HOBG	0.62	356.7	Pg	15:18:09.144	-0.2
OLFT	0.63	281.8	Pg	15:18:09.240	-0.4
OLFT	0.63	281.8	Sg	15:18:17.910	0.1
WBFO	0.69	72.2	Pg	15:18:10.500	-0.2
WBFO	0.69	72.2	Sg	15:18:20.800	1.1
TNS	0.69	101.8	Pg	15:18:10.500	-0.2
PLH	0.73	330.6	Pg	15:18:11.460	-0.0
PLH	0.73	330.6	Sg	15:18:20.620	-0.4
GSH	0.74	300.1	Pg	15:18:11.500	-0.1
GSH	0.74	300.1	Sg	15:18:22.100	0.8
BODE	0.74	127.9	Pg	15:18:11.640	-0.0
KLL	0.74	292.5	Pg	15:18:11.015	-0.6
RIVT	0.77	211.5	Pg	15:18:11.200	-1.1
DREG	0.79	292.2	Pg	15:18:12.249	-0.4
IMS	0.84	156.8	Pg	15:18:13.660	0.1
IMS	0.84	156.8	Sg	15:18:26.000	1.5
ENTS	0.87	0.9	Pg	15:18:13.560	-0.6
MEM	0.91	285.8	Pg	15:18:14.300	-0.5
ACN	0.92	296.6	Pg	15:18:14.590	-0.5
ACN	0.92	296.6	Sg	15:18:26.950	-0.1
WBB	0.97	122.4	Pg	15:18:16.000	0.0
EBSB	1.00	69.9	Pg	15:18:16.300	-0.2
MESS	1.00	117.4	Pg	15:18:16.300	-0.2
HGN	1.01	293.7	Pg	15:18:16.190	-0.5
HGN	1.01	293.7	Sg	15:18:29.880	0.2
LAUG	1.02	344.2	Pg	15:18:16.517	-0.4
HES	1.02	347.7	Pg	15:18:16.500	-0.4
HES	1.02	347.7	Sg	15:18:29.480	-0.7
ERNH	1.04	123.9	Pg	15:18:17.000	-0.3
SORT	1.05	20.3	Pg	15:18:16.710	-0.7
SORT	1.05	20.3	Sg	15:18:30.370	-0.6
BPFI	1.05	354.5	Pg	15:18:17.030	-0.5
BPFI	1.05	354.5	Sg	15:18:31.210	-0.0
KAST	1.06	37.5	Pg	15:18:16.367	-1.2
WLF	1.06	228.9	P*	15:18:15.860	
WLF	1.06	228.9	Pg	15:18:16.797	-0.9
WLF	1.06	228.9	Sg	15:18:31.634	0.2
BKLB	1.07	356.0	Pg	15:18:17.310	-0.6
BUG	1.07	356.0	Pg	15:18:17.270	-0.6
BUG	1.07	356.0	Sg	15:18:31.560	-0.3
BTEZ	1.08	356.3	Pg	15:18:17.550	-0.5
BULI	1.09	355.7	Pg	15:18:17.620	-0.6
BULI	1.09	355.7	Sg	15:18:32.080	-0.2
WBA	1.16	127.4	Pg	15:18:18.500	-1.1

T__					mc_		
___					mde		
T__					m__ ML	2.9	
___					m_e		
T__					m__ ML	2.5	
___					m__		
___	110.9	0.20			m_e		
___					m__ ML	2.9	
___	1.3				m__		
___					mde		
___					mce		
___					m_e		
___					m_e		
___					m__ ML	2.5	
___					m__		
___	0.5				m__		
T__					m__ ML	2.1	
___					m_e		
___					m_e		
___					m__ ML	2.3	
___	0.3				m__		
T__					m__		
___					m_e		
T__					m__		
___					m_e		
T__					m__ ML	2.6	
___					m__		
___	0.4				m_e		
___					m__		
T__					m__		
___					m_e		
___					m_e		
___	39.7	0.15			m_e		
___					m__ ML	2.1	
___					m__ ML	2.6	
___					m__ ML	2.7	
___					m__ ML	2.8	
___					m__		
___	0.3				m_e		
___					m__ ML	2.6	
___					m_e		
___	44.2	0.36			m__ ML	2.8	
___					m_e		
___					m_e		
___					m_e		
___	27.7	0.18			m_e		
___					m__ ML	2.8	
___					m__		
___	0.5				m__		
___					m_e		
T__					m__ ML	2.3	
___					m_e		
___					m_e		
___					m__ ML	2.7	
___					m_e ML	2.4	
___					m__		
___	0.5				m__		
___					m__ ML	2.9	
___					m__ ML	2.9	
___					m__		
___	0.6				m__		
___					m__ ML	2.5	

GWBF	1.19	71.8	Pg	15:18:20.100	0.0	---										m__	ML	2.5
WBG	1.26	98.3	Pn	15:18:21.230	0.6	---										m__		
ZER1	1.28	344.0	Sg	15:18:38.630	0.4	---					0.6					m__		
ZER3	1.29	344.6	Sg	15:18:38.020	-0.7	---					0.5					m__	ML	2.9
ZERL	1.29	345.5	Pg	15:18:21.620	-0.4	---										m__	ML	2.9
ZERL	1.29	345.5	Sg	15:18:39.490	0.7	---					0.5					m__		
MILB	1.33	113.2	Pn	15:18:21.336	-0.2	---										m_e	ML	2.7
MILB	1.33	113.2	Pg	15:18:22.516	-0.3	---										m_e		
BAVN	1.38	353.1	Pg	15:18:24.790	1.1	---										m__		
BAVN	1.38	353.1	Sg	15:18:40.620	-0.9	---					0.6					m__		
FLIN	1.49	134.9	Pn	15:18:25.490	1.8	---										m__	ML	2.8
UBBA	1.72	73.8	Sn	15:18:51.360	3.8	---					0.2					m__	ML	2.7
SIND	1.76	124.7	Pn	15:18:30.000	2.7	---										m__	ML	2.5
HROE	1.77	83.5	Pg	15:18:30.587	-0.4	---										m_e		
IBBE	1.95	7.3	Pn	15:18:33.520	3.6	---										m__	ML	2.9
IBBN	1.95	6.6	Pn	15:18:34.060	4.1	---										m__	ML	2.8
WLS	1.96	180.7	Pn	15:18:32.720	2.7	---										m__		
GTTG	2.00	53.1	Pg	15:18:34.449	-0.9	---										m_e		
BFO	2.13	162.9	Pg	15:18:37.514	-0.2	---										m_e		
ECH	2.16	184.1	Pg	15:18:36.887	-1.4	---										m_e		
CHRS	2.49	58.8	Pg	15:18:43.181	-1.4	---										m_e		

Event 80727005 Koblenz/Middle Rhine Area

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/27	15:17:59.30	0.38	0.21	50.3830	7.3870				9.7	2.0		17	110			m i ke	GDNRW	80727035
2018/07/27	15:17:59.70	0.72	0.31	50.3770	7.3900				2.9	7.5		12	081	0.17	1.08	m i ke	BNS	80727025
2018/07/27	15:17:59.12	0.21	0.76	50.3610	7.3990	2.2	2.2	117	10.0f		32	16	081	0.27	4.18	m i ke	BGR	80727015
2018/07/27	15:17:59.84	0.15	0.16	50.3630	7.3760	2.0	1.4	006	10.0	3.0	15	15	086	0.03	1.49	m i ke	LED	80727005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		GDNRW	80727035
ML	2.4		BNS	80727025
ML	2.5	0.3	10 BGR	80727015
ML	2.4	0.3	13 LED	80727005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
OCHT	0.03	205.9	Pg	15:18:01.230	-0.4									m_e	ML	1.5
OCHT	0.03	205.9	Sg	15:18:02.860	0.0					T__				m__		
BHE	0.13	265.5	Pg	15:18:02.810	0.1									m_e		
BHE	0.13	265.5	Sg	15:18:04.720	-0.0					T__				m__		
BGG	0.16	189.0	Pg	15:18:03.328	0.0									mci		
BGG	0.16	189.0	Sg	15:18:06.233	0.6							2220.7	0.10	m_e		
LAGB	0.18	269.4	Sg	15:18:05.930	-0.2					T__				m__	ML	2.6
KOE	0.24	74.5	Pg	15:18:04.389	-0.2									mdi		
KOE	0.24	74.5	Sg	15:18:07.425	-0.4							969.2	0.31	m_e		
AHRW	0.26	313.1	Pg	15:18:04.940	-0.1					T__				md__	ML	2.3
AHRW	0.26	313.1	Sg	15:18:08.165	-0.4									m_e		
FSH	0.33	210.9	Pg	15:18:06.140	-0.2									m__		
TDN	0.35	307.8	Pg	15:18:07.030	0.4									m__		
BA10	0.35	316.0	Pg	15:18:06.603	-0.0									m_e		

NAST	0.35	118.3	Pg	15:18:06.751	0.1	---			mde		
FACH	0.39	90.7	Pg	15:18:07.210	-0.2	T_			md_ ML	2.3	
GWBD	0.42	126.3	Pg	15:18:07.790	-0.1	T_			m_		
WBS	0.45	352.5	Pg	15:18:07.690	-0.7	---			m_e		
WBS	0.45	352.5	Sg	15:18:13.480	-0.8	---	491.4	0.28	m_e		
HILG	0.45	261.2	Pg	15:18:08.308	-0.2	---			mde		
BIW	0.47	38.4	Pg	15:18:07.960	-0.9	T_			m_ ML	2.1	
ABH	0.49	167.1	Pg	15:18:09.300	0.0	T_			m_ ML	2.5	
LOH	0.57	251.7	Pg	15:18:10.530	-0.1	T_			m_		
LOH	0.57	251.7	Sg	15:18:18.830	0.8	---			m_e		
BNS	0.61	348.1	Pg	15:18:11.390	-0.1	---			m_e		
HOBG	0.62	357.5	Pg	15:18:11.375	-0.3	---			m_e		
OLFT	0.62	282.5	Pg	15:18:11.520	-0.2	---			m_e		
OLFT	0.62	282.5	Sg	15:18:20.180	0.3	---			m_e		
TNS	0.70	101.2	Pg	15:18:12.730	-0.4	T_			m_ ML	2.3	
TNS	0.70	101.2	Sg	15:18:21.509	-0.7	---			m_e		
PLH	0.73	331.4	Sg	15:18:22.720	-0.5	---			m_e		
KLL	0.73	293.1	Pg	15:18:14.079	0.3	---			m_e		
GSH	0.73	300.9	Pg	15:18:13.620	-0.2	---			m_e		
BODE	0.74	127.1	Pg	15:18:14.584	0.6	---			m_e		
BODE	0.74	127.1	Sg	15:18:23.268	-0.4	---			m_e		
RIVT	0.76	211.2	Pg	15:18:13.489	-0.8	---			m_e		
RIVT	0.76	211.2	Sg	15:18:24.073	-0.2	---			m_e		
DREG	0.79	292.9	Pg	15:18:14.229	-0.5	---			m_e		
IMS	0.84	156.1	Pg	15:18:15.870	0.1	T_			m_ ML	2.8	
ENTS	0.88	1.4	Pg	15:18:15.830	-0.7	---			m_e		
MEM	0.90	286.3	Pg	15:18:16.510	-0.4	T_			m_ ML	2.3	
ACN	0.92	297.2	Pg	15:18:16.670	-0.6	---			m_e		
ACN	0.92	297.2	Sg	15:18:29.140	-0.0	---	116.1	0.23	m_e		
LAUG	1.02	344.7	Pg	15:18:18.726	-0.5	---			m_e		
HES	1.03	348.3	Pg	15:18:18.350	-0.9	---			m_e		
HES	1.03	348.3	Sg	15:18:31.700	-0.9	---	107.2	0.34	m_e		
WLF	1.05	228.9	Pg	15:18:19.273	-0.5	---			m_e ML	2.4	
WLF	1.05	228.9	Sg	15:18:33.939	0.6	---			m_e		
SORT	1.06	20.6	Pg	15:18:18.780	-1.0	---			m_e		
SORT	1.06	20.6	Sg	15:18:32.480	-1.0	---	137.3	0.39	m_e		
KAST	1.07	37.7	Pg	15:18:18.923	-1.1	---			m_e		
BUG	1.08	356.5	Pg	15:18:19.559	-0.7	---			m_e ML	2.5	
BUG	1.08	356.5	Sg	15:18:34.065	-0.2	---			m_e		
RODG	1.09	316.4	Pg	15:18:20.237	-0.2	---			m_e		
WBG	1.27	97.9	Pg	15:18:23.450	-0.4	T_			m_ ML	2.8	
MILB	1.34	112.8	Pg	15:18:23.740	-1.4	---			m_ ML	2.8	
MILB	1.34	112.8	Sg	15:18:41.397	-1.1	---			m_e		
FLIN	1.49	134.5	Pg	15:18:27.720	-0.3	---			md_ ML	2.9	
HROE	1.78	83.3	Pg	15:18:33.182	-0.2	---			m_e ML	2.3	
HROE	1.78	83.3	Sg	15:18:56.546	0.1	---			m_e		
IBBN	1.96	6.9	Pg	15:18:35.804	-1.0	---			m_e ML	2.9	
IBBN	1.96	6.9	Sg	15:19:00.512	-1.6	---			m_e		
GTTG	2.01	53.1	Pg	15:18:36.703	-1.1	---			m_e ML	3.0	
GTTG	2.01	53.1	Sg	15:19:03.083	-0.8	---			m_e		
BFO	2.13	162.6	Pg	15:18:39.849	-0.1	---			m_e ML	2.4	
BFO	2.13	162.6	Sg	15:19:05.119	-2.3	---			m_e		
ECH	2.15	183.9	Pg	15:18:39.424	-1.0	---			m_e		
CHRS	2.50	58.8	Pg	15:18:45.365	-1.6	---			m_e ML	2.6	

CHRS	2.50	58.8	Sg	15:19:18.384	-0.9	---	m_e
CLL	3.68	72.9	Sg	15:19:54.842	-1.8	---	m_e
BRG	4.20	80.5	Sg	15:20:11.325	-1.9	---	m_e

Event 80728005 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/28	02:56:10.70	0.24	0.69	51.5107	6.4920	4.5	3.4	079	1.0f		54	19	289			m i ke	LDG	80728045
2018/07/28	02:56:08.10	0.56	0.31	51.5830	6.9010				1.0f			7	310	0.23	1.40	m i ki	BNS	80728035
2018/07/28	02:56:07.60	0.24	0.11	51.5820	6.8860				1.0f			12	182			m i ki	GDNRW	80728025
2018/07/28	02:56:08.35	0.33	0.70	51.5570	6.8420	4.4	3.3	132	1.0f		19	10	139	0.29	2.21	m i ki	BGR	80728015
2018/07/28	02:56:07.61		0.10	51.5840	6.8720				1.4	0.6	22	13	146	0.03	1.69	m i ki	BUG	80728005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.3	18 LDG	80728045
ML	1.8		BNS	80728035
ML	1.8		GDNRW	80728025
ML	2.0	0.2	7 BGR	80728015
MD	2.4	0.4	10 BUG	80728005
ML	2.3		2 BUG	80728005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZER1	0.03	290.3	Pg	02:56:08.100	-0.1					T__				m__	ML 2.0
ZER1	0.03	290.3	Sg	02:56:09.370	0.7					T__		26.0		m__	
ZER3	0.04	324.1	Pg	02:56:08.180	-0.1					T__				m__	ML 2.1
ZER3	0.04	324.1	Sg	02:56:09.520	0.7					T__		30.4		m__	
ZERL	0.04	357.6	Pg	02:56:08.290	-0.1					T__				m__	ML 1.9
ZERL	0.04	357.6	Sg	02:56:09.560	0.7					T__		19.3		m__	
BAVN	0.22	45.1	Pg	02:56:12.540	0.8					T__				m__	ML 2.2
BAVN	0.22	45.1	Sg	02:56:16.600	2.0					T__		2.1		m__	
LAUG	0.24	169.1	Pg	02:56:12.403	0.3					---				m_e	
HES	0.24	153.9	Pg	02:56:12.620	0.5					---				m_e	
HES	0.24	153.9	Sg	02:56:16.080	0.8					---		80.9	0.42	m_e	
BULI	0.27	118.1	Pg	02:56:13.970	1.2					T__				m__	ML 2.0
BULI	0.27	118.1	Sg	02:56:15.030	-1.3					---		0.7		m__	
BPFI	0.28	126.6	Pg	02:56:13.620	0.8					T__				m__	ML 1.9
BPFI	0.28	126.6	Sg	02:56:17.930	1.5					T__		0.5		m__	
BUG	0.29	120.0	Pg	02:56:13.800	0.8					T__				m__	ML 2.0
BUG	0.29	120.0	Sg	02:56:18.290	1.6					T__		0.6		m__	
BKLB	0.29	120.0	Pg	02:56:13.780	0.8					T__				m__	
BTEZ	0.29	117.9	Pg	02:56:14.000	1.0					T__				m__	ML 1.9
XAN	0.29	286.0	Pg	02:56:13.270	0.2					---				mde	
XAN	0.29	286.0	Sg	02:56:17.780	1.0					---				m_e	
WTSE	0.38	353.3	Pg	02:56:15.432	0.6					---				m_e	
ENTS	0.48	135.3	Pg	02:56:17.210	0.6					---				mde	
ENTS	0.48	135.3	Sg	02:56:23.770	0.9					---				m_e	
PLH	0.58	183.3	Pg	02:56:19.310	0.7					---				m_e	
PLH	0.58	183.3	Sg	02:56:26.940	0.9					---				m_e	
HOBG	0.67	154.1	Pg	02:56:20.922	0.8					---				m_e	
SORT	0.72	108.5	Pg	02:56:21.810	0.6					---				m_e	
SORT	0.72	108.5	Sg	02:56:31.410	0.8					---		20.8	0.22	m_e	

WBS	0.82	161.5	Pg	02:56:23.500	0.4	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
WBS	0.82	161.5	Sg	02:56:34.550	0.9	---	---	---	---	---	---	---	---	---	---	---	---	m_e	26.6	0.21
GSH	0.90	200.2	Pg	02:56:25.140	0.5	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
GSH	0.90	200.2	Sg	02:56:37.510	1.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	51.6	0.34
IBBN	0.91	36.8	Pg	02:56:25.480	0.8	T_	---	---	---	---	---	---	---	---	---	---	---	m_	---	---
IBBN	0.91	36.8	Sg	02:56:39.300	2.9	T_	---	---	---	---	---	---	---	---	---	---	---	m_	0.1	---
IBBE	0.91	38.1	Pg	02:56:25.350	0.5	T_	---	---	---	---	---	---	---	---	---	---	---	m_	---	---
IBBE	0.91	38.1	Sg	02:56:40.080	3.4	---	---	---	---	---	---	---	---	---	---	---	---	m_	0.2	---
ACN	0.95	211.7	Pg	02:56:26.120	0.6	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
ACN	0.95	211.7	Sg	02:56:38.870	1.1	---	---	---	---	---	---	---	---	---	---	---	---	m_e	66.7	0.19
KLL	1.00	200.8	Pg	02:56:27.153	0.7	---	---	---	---	---	---	---	---	---	---	---	---	mde	---	---
KLL	1.00	200.8	Sg	02:56:41.266	1.8	---	---	---	---	---	---	---	---	---	---	---	---	m_e	36.9	0.35
DREG	1.00	203.8	Pg	02:56:27.026	0.5	---	---	---	---	---	---	---	---	---	---	---	---	mde	---	---
KAST	1.04	111.0	Pg	02:56:27.860	0.7	T_	---	---	---	---	---	---	---	---	---	---	---	m_	---	---
KAST	1.04	111.0	Sg	02:56:42.590	2.1	T_	---	---	---	---	---	---	---	---	---	---	---	m_	0.2	---
AHRW	1.05	172.9	Pg	02:56:28.249	0.8	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
MEM	1.12	209.4	Pg	02:56:28.856	0.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
MEM	1.12	209.4	Sg	02:56:43.598	0.6	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
OLFT	1.13	194.8	Pg	02:56:29.440	0.6	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
OLFT	1.13	194.8	Sg	02:56:44.290	0.9	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
BHE	1.25	170.9	Pg	02:56:31.230	0.1	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
BHE	1.25	170.9	Sg	02:56:47.890	0.7	---	---	---	---	---	---	---	---	---	---	---	---	m_e	21.7	0.36
KOE	1.28	154.6	Pg	02:56:32.112	0.4	---	---	---	---	---	---	---	---	---	---	---	---	mde	---	---
HILG	1.30	185.5	Pg	02:56:31.857	-0.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
BGG	1.41	167.8	Pg	02:56:33.129	-1.0	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
LOH	1.42	188.7	Pg	02:56:34.000	-0.3	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
LOH	1.42	188.7	Sg	02:56:52.550	-0.1	---	---	---	---	---	---	---	---	---	---	---	---	m_e	28.2	0.27
TNS	1.69	143.3	Pn	02:56:38.050	0.7	T_	---	---	---	---	---	---	---	---	---	---	---	m_	---	---
TNS	1.69	143.3	Pg	02:56:40.178	0.8	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
TNS	1.69	143.3	Sn	02:57:00.810	2.3	T_	---	---	---	---	---	---	---	---	---	---	---	m_	0.1	---
TNS	1.69	143.3	Sg	02:57:01.924	0.8	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
RCHB	1.77	216.6	Pn	02:56:38.567	0.1	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
RCHB	1.77	216.6	Pg	02:56:41.057	0.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
WLF	1.97	193.7	Pg	02:56:44.564	-0.2	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
WLF	1.97	193.7	Sg	02:57:09.311	-1.0	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
CLZ	2.18	81.9	Pg	02:56:49.047	0.3	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---
CLZ	2.18	81.9	Sg	02:57:17.011	0.0	---	---	---	---	---	---	---	---	---	---	---	---	m_e	---	---

Event 80729005 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/29	16:32:40.40	0.51	0.82	51.5440	6.7278	9.9	9.0	173	2.0f		17	10	292			m i ke	LDG	80729045
2018/07/29	16:32:39.00	0.36	0.21	51.5870	6.9190				1.0f				7 314	0.24	1.41	m i ki	BNS	80729035
2018/07/29	16:32:38.70	0.20	0.11	51.5700	6.9060				1.0f				12 180			m i ki	GDNRW	80729025
2018/07/29	16:32:39.52	0.30	0.52	51.5450	6.8820	3.3	2.2	120	1.0f		17	10	135	0.26	2.18	m i ki	BGR	80729015
2018/07/29	16:32:38.53		0.11	51.5850	6.8940				1.2	0.3	27	15	109	0.04	2.17	m i ki	BUG	80729005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	0.6	0.3	2 LDG	80729045
ML	2.5	0.5	5 LDG	80729045
ML	1.6		BNS	80729035
ML	1.6		GDNRW	80729025

ML	2.0	0.2	8	BGR	80729015
MD	2.4	0.2	10	BUG	80729005
ML	2.3		1	BUG	80729005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ZERL	0.04	336.9	Pg	16:32:39.660	0.4					T__				m__	ML	1.9
ZERL	0.04	336.9	Sg	16:32:40.400	0.6					T__		17.1		m__		
ZER1	0.04	282.8	Pg	16:32:39.770	0.4					T__				m__		
ZER1	0.04	282.8	Sg	16:32:40.380	0.4					T__		5.5		m__		
ZER3	0.04	308.8	Pg	16:32:39.810	0.4					T__				m__	ML	1.6
ZER3	0.04	308.8	Sg	16:32:40.420	0.4					T__		7.3		m__		
BAVS	0.19	52.2	Pg	16:32:42.940	0.9					T__				m__	ML	2.4
BAVS	0.19	52.2	Sg	16:32:46.650	2.1					T__		2.8		m__		
BAVN	0.21	42.7	Pg	16:32:43.520	1.1					T__				m__	ML	2.2
BAVN	0.21	42.7	Sg	16:32:47.290	2.1					T__		2.3		m__		
LAUG	0.24	172.4	Pg	16:32:43.798	0.8					---				m_e		
HES	0.24	157.0	Pg	16:32:43.560	0.6					---				mce		
HES	0.24	157.0	Sg	16:32:46.830	0.8					---		100.3	0.20	m_e		
BULI	0.26	119.7	Pg	16:32:44.420	0.9					T__				m__	ML	1.9
BULI	0.26	119.7	Sg	16:32:48.450	1.6					T__		0.6		m__		
BPFI	0.27	128.6	Pg	16:32:44.340	0.8					T__				m__	ML	1.7
BPFI	0.27	128.6	Sg	16:32:48.500	1.5					T__		0.3		m__		
BUG	0.27	121.6	Pg	16:32:44.530	0.8					T__				m__	ML	1.8
BUG	0.27	121.6	Sg	16:32:48.800	1.5					T__		0.5		m__		
BKLB	0.28	121.6	Pg	16:32:44.530	0.8					T__				m__	ML	1.8
BTEZ	0.28	119.4	Pg	16:32:44.630	0.9					T__				m__	ML	1.9
XAN	0.30	285.2	Sg	16:32:49.460	1.3					---				m_e		
WTSB	0.39	351.3	Pg	16:32:47.152	1.3					---				m_e		
WTSB	0.39	351.3	Sg	16:32:52.642	1.8					---				m_e		
ENTS	0.47	136.6	Pg	16:32:48.000	0.6					---				mce		
ENTS	0.47	136.6	Sg	16:32:54.540	1.0					---				m_e		
PLH	0.58	184.6	Pg	16:32:49.940	0.4					---				mde		
PLH	0.58	184.6	Sg	16:32:57.870	0.8					---				m_e		
HOBG	0.66	155.3	Pg	16:32:51.718	0.7					---				m_e		
SORT	0.71	108.9	Pg	16:32:52.440	0.5					---				m_e		
SORT	0.71	108.9	Sg	16:33:02.100	1.0					---		22.4	0.45	m_e		
WBS	0.82	162.5	Pg	16:32:54.430	0.5					---				m_e		
WBS	0.82	162.5	Sg	16:33:05.280	0.8					---		25.2	0.25	m_e		
IBBN	0.90	36.1	Pg	16:32:57.671	2.2					---				m_e	ML	2.2
IBBN	0.90	36.1	Sg	16:33:09.924	2.9					---				m_e		
IBBE	0.90	37.5	Pg	16:32:56.920	1.3					T__				m__		
IBBE	0.90	37.5	Sg	16:33:10.420	3.1					T__		0.3		m__		
GSH	0.91	201.0	Pg	16:32:56.140	0.5					---				m_e		
GSH	0.91	201.0	Sg	16:33:08.200	0.8					---		17.9	0.34	m_e		
ACN	0.96	212.4	Pg	16:32:56.980	0.4					---				m_e		
ACN	0.96	212.4	Sg	16:33:10.110	1.2					---		45.2	0.17	m_e		
KLL	1.01	201.5	Pg	16:32:57.911	0.4					---				m_e		
KLL	1.01	201.5	Sg	16:33:12.330	1.8					---		15.5	0.52	m_e		
KAST	1.02	111.3	Pg	16:32:58.340	0.5					T__				m__	ML	2.2
KAST	1.02	111.3	Sg	16:33:12.800	1.7					T__		0.1		m__		
AHRW	1.05	173.7	Pg	16:32:58.850	0.5					T__				m__	ML	2.2
AHRW	1.05	173.7	Sg	16:33:13.840	1.9					T__		0.1		m__		
MEM	1.12	210.0	Pg	16:32:59.596	-0.1					---				m_e	ML	1.9
MEM	1.12	210.0	Sg	16:33:14.656	0.5					---				m_e		

OLFT	1.13	195.5	Pg	16:33:00.150	0.3	---													m_e						
OLFT	1.13	195.5	Sg	16:33:15.220	0.8	---												9.9	0.33	m_e					
BHE	1.25	171.6	Pg	16:33:02.170	0.2	---														m_e					
BHE	1.25	171.6	Sg	16:33:18.730	0.6	---												13.7	0.16	m_e					
KOE	1.27	155.2	Pg	16:33:02.480	-0.1	---														m_e					
HILG	1.30	186.1	Pg	16:33:02.988	-0.0	---														m_e					
BGG	1.41	168.4	Pg	16:33:04.511	-0.5	---														m_e					
LOH	1.42	189.3	Pg	16:33:04.910	-0.4	---														m_e					
LOH	1.42	189.3	Sg	16:33:23.550	-0.1	---														12.6	0.26	m_e			
TNS	1.68	143.7	Pn	16:33:09.160	1.0	---																m_e	ML	2.2	
TNS	1.68	143.7	Pg	16:33:11.035	0.9	---																	m_e		
TNS	1.68	143.7	Sg	16:33:32.700	0.9	---															0.1			m_e	
RCHB	1.77	217.0	Sg	16:33:34.441	-0.4	---																	m_e	ML	1.9
GTTG	1.91	90.0	Sg	16:33:40.640	1.5	---																	m_e	ML	2.3
CLZ	2.17	81.8	Pn	16:33:15.360	0.5	---																	m_e	ML	2.2
CLZ	2.17	81.8	Sg	16:33:48.083	0.6	---																	m_e		

Event 80729004 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2018/07/29	23:18:22.00	0.21	0.62	51.6934	6.4160	3.7	3.2	117	2.0	0.0	64	17	275			m i ke	LDG	80729044
2018/07/29	23:18:22.40	0.73	0.31	51.5740	6.8590				1.0	11.4		7	309	0.23	1.40	m i ki	BNS	80729034
2018/07/29	23:18:22.10	0.27	0.11	51.5790	6.8740				1.0f				12	180		m i ki	GDNRW	80729024
2018/07/29	23:18:22.40	0.40	0.35	51.5860	6.8290	4.4	3.3	119	1.0f		15	10	141	0.31	1.88	m i ki	BGR	80729014
2018/07/29	23:18:21.82		0.16	51.5900	6.8410				1.6	0.5	24	14	124	0.01	2.20	m i ki	BUG	80729004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.3	19 LDG	80729044
ML	2.0		BNS	80729034
ML	2.0		GDNRW	80729024
ML	2.1	0.1	8 BGR	80729014
MD	2.8	0.2	12 BUG	80729004
ML	2.7	0.1	7 BUG	80729004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ZER1	0.01	295.7	Pg	23:18:22.590	0.4					T_				m_e	ML	2.6
ZER1	0.01	295.7	Sg	23:18:23.640	1.3					T_		63.6		m_e		
ZER3	0.02	356.0	Pg	23:18:22.700	0.4					T_				m_e		
ZER3	0.02	356.0	Sg	23:18:23.920	1.2					T_		28.0		m_e		
ZERL	0.04	30.0	Pg	23:18:22.760	0.2					T_				m_e	ML	2.0
ZERL	0.04	30.0	Sg	23:18:23.840	0.8					T_		25.4		m_e		
BAVS	0.21	58.7	Pg	23:18:26.480	0.7					T_				m_e		
BAVS	0.21	58.7	Sg	23:18:30.270	1.7					T_		5.4		m_e		
BAVN	0.23	49.6	Pg	23:18:26.980	0.8					T_				m_e	ML	2.3
BAVN	0.23	49.6	Sg	23:18:31.070	2.0					T_		2.6		m_e		
LAUG	0.25	164.9	Pg	23:18:26.800	0.3					---				m_e		
HES	0.26	150.6	Pg	23:18:27.150	0.5					---				m_e		
HES	0.26	150.6	Sg	23:18:30.730	0.8					---		142.6	0.45	m_e		
XAN	0.27	285.9	Pg	23:18:27.740	0.8					---				m_e		
XAN	0.27	285.9	Sg	23:18:32.240	1.9					---				m_e		
BULI	0.29	117.3	Pg	23:18:28.360	1.0					T_				m_e	ML	2.3

BULI	0.29	117.3	Sg	23:18:33.240	2.1	___	1.2	m__												
BPFI	0.30	125.3	Pg	23:18:28.070	0.7	T__		m__	ML	2.2										
BPFI	0.30	125.3	Sg	23:18:32.350	1.1	___	0.9	m__												
BUG	0.31	119.1	Pg	23:18:28.390	0.8	T__		m__	ML	2.2										
BUG	0.31	119.1	Sg	23:18:33.140	1.6	T__	1.0	m__												
BKLB	0.31	119.2	Pg	23:18:28.380	0.8	T__		m__	ML	2.1										
WTSB	0.38	356.1	Pg	23:18:29.868	0.9	___		m_e	ML	2.1										
ENTS	0.50	134.2	Pg	23:18:31.750	0.5	___		m_e												
ENTS	0.50	134.2	Sg	23:18:38.610	1.0	___		m_e												
PLH	0.59	181.3	Pg	23:18:33.420	0.6	___		m_e												
RWB	0.65	221.5	Sg	23:18:43.820	1.4	___		m_e												
HOBG	0.68	152.9	Pg	23:18:35.409	0.8	___		m_e												
SORT	0.74	108.4	Pg	23:18:36.010	0.2	___		m_e												
SORT	0.74	108.4	Sg	23:18:46.220	0.8	___	31.1	0.54	m_e											
WBS	0.83	160.4	Pg	23:18:38.080	0.6	___		m_e												
WBS	0.83	160.4	Sg	23:18:49.190	1.0	___	29.6	0.21	m_e											
GSH	0.90	198.9	Pg	23:18:39.460	0.6	___		m_e												
GSH	0.90	198.9	Sg	23:18:51.980	1.5	___	50.0	0.28	m_e											
IBBN	0.91	38.0	Pg	23:18:39.520	0.5	T__		m__	ML	2.3										
IBBN	0.91	38.0	Sg	23:18:52.800	2.0	T__	0.2	m__												
IBBE	0.92	39.2	Pg	23:18:39.820	0.6	T__		m__	ML	2.4										
IBBE	0.92	39.2	Sg	23:18:53.480	2.4	T__	0.3	m__												
ACN	0.94	210.5	Pg	23:18:40.400	0.8	___		m_e												
ACN	0.94	210.5	Sg	23:18:53.180	1.4	___	73.6	0.18	m_e											
KLL	1.00	199.6	Pg	23:18:40.839	0.2	___		m_e												
KLL	1.00	199.6	Sg	23:18:55.276	1.7	___	56.5	0.69	m_e											
DREG	1.00	202.6	Pg	23:18:41.501	0.8	___		m_e												
KAST	1.06	110.9	Pg	23:18:42.310	0.6	T__		m__	ML	2.5										
KAST	1.06	110.9	Sg	23:18:57.510	2.1	T__	0.2	m__												
AHRW	1.06	171.9	Pg	23:18:42.720	0.9	T__		m__	ML	2.5										
AHRW	1.06	171.9	Sg	23:18:57.820	2.3	T__	0.2	m__												
MEM	1.11	208.3	Pg	23:18:43.186	0.4	___		m_e	ML	2.2										
MEM	1.11	208.3	Sg	23:18:58.208	1.1	___		m_e												
OLFT	1.13	193.7	Pg	23:18:43.660	0.6	___		m_e												
OLFT	1.13	193.7	Sg	23:18:58.740	1.1	___		m_e												
KOE	1.29	154.0	Pg	23:18:46.534	0.4	___		mde												
HILG	1.30	184.6	Pg	23:18:46.004	-0.4	___		m_e												
BGG	1.42	167.1	Pg	23:18:48.256	-0.3	___		m_e												
LOH	1.42	187.9	Pg	23:18:48.330	-0.3	___		m_e												
LOH	1.42	187.9	Sg	23:19:06.830	-0.1	___	41.9	0.26	m_e											
TNS	1.70	142.8	Pn	23:18:52.390	0.6	T__		m__	ML	2.5										
TNS	1.70	142.8	Sg	23:19:16.341	0.5	___		m_e												
RCHB	1.76	216.0	Sg	23:19:17.638	-0.0	___		m_e	ML	2.1										
ABH	1.77	165.1	Pn	23:18:53.493	0.8	___		m_e												
ABH	1.77	165.1	Sg	23:19:18.359	0.4	___		m_e												
RIVT	1.88	181.5	Pn	23:18:54.161	-0.1	___		m_e												
RIVT	1.88	181.5	Sg	23:19:21.806	0.2	___		m_e												
CLZ	2.20	82.1	Pg	23:19:03.100	-0.2	___		m__	ML	2.5										

Event 80730003 Duisburg, Ruhr Coal Mining District

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID

2018/07/30 13:10:16.30	0.57	0.21	51.5750	6.9120				1.1	11.8		5	310	0.22	1.26	m i ki	BNS	80730033
2018/07/30 13:10:15.80	0.19	0.11	51.5880	6.9020				1.0f			12	184			m i ki	GDNRW	80730023
2018/07/30 13:10:17.14	0.30	0.67	51.5380	6.8650	3.3	3.3	143	1.0f		16	10	078	0.27	1.93	m i ki	BGR	80730013
2018/07/30 13:10:15.20		0.44	51.5830	6.8700				4.0	2.1	21	12	090	0.03	1.01	m i ki	BUG	80730003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BNS	80730033
ML	2.0		GDNRW	80730023
ML	2.2	0.2	8 BGR	80730013
MD	2.4	0.3	9 BUG	80730003
ML	2.7	0.2	5 BUG	80730003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZER1	0.03	292.9	Pg	13:10:16.420	0.3					T__				m__	
ZER1	0.03	292.9	Sg	13:10:17.530	0.8					T__		61.2		m__	
ZER3	0.04	326.6	Pg	13:10:16.560	0.4					T__				m__	
ZER3	0.04	326.6	Sg	13:10:17.690	0.9					T__		25.0		m__	
ZERL	0.04	359.5	Pg	13:10:16.600	0.4					T__				m__	ML 2.1
ZERL	0.04	359.5	Sg	13:10:17.760	0.9					T__		25.1		m__	
BAVS	0.20	54.3	Sg	13:10:24.100	2.4					T__				m__	
BAVN	0.22	45.1	Pg	13:10:20.770	1.4					T__				m__	ML 2.3
BAVN	0.22	45.1	Sg	13:10:24.730	2.4					T__		2.3		m__	
LAUG	0.24	168.7	Pg	13:10:20.571	0.9					---				m_e	
HES	0.24	153.6	Pg	13:10:20.990	1.2					---				mde	
HES	0.24	153.6	Sg	13:10:24.490	1.5					---		132.2	0.40	m_e	
BULI	0.27	117.8	Pg	13:10:22.640	2.2					T__				m__	ML 2.2
BPFI	0.28	126.3	Pg	13:10:22.010	1.6					T__				m__	ML 2.1
BPFI	0.28	126.3	Sg	13:10:25.860	1.8					T__		0.9		m__	
BUG	0.29	119.7	Pg	13:10:22.220	1.6					T__				m__	ML 2.2
BUG	0.29	119.7	Sg	13:10:26.320	2.0					T__		0.9		m__	
BKLB	0.29	119.7	Pg	13:10:22.220	1.6					T__				m__	
XAN	0.29	286.3	Sg	13:10:26.260	1.8					---				m_e	
WTSB	0.39	353.5	Pg	13:10:23.781	1.3					---				m_e	
ENTS	0.48	135.2	Pg	13:10:25.380	1.1					---				m_e	
ENTS	0.48	135.2	Sg	13:10:32.010	1.5					---				m_e	
PLH	0.58	183.1	Pg	13:10:27.450	1.3					---				m_e	
PLH	0.58	183.1	Sg	13:10:35.440	1.8					---				m_e	
OPLO	0.62	272.7	Sg	13:10:38.186	3.3					---				m_e	
HOBG	0.67	154.0	Pg	13:10:29.286	1.5					---				m_e	
SORT	0.72	108.3	Pg	13:10:29.700	0.8					---				m_e	
SORT	0.72	108.3	Sg	13:10:39.530	1.3					---		58.2	0.33	m_e	
WBS	0.82	161.4	Pg	13:10:31.610	1.0					---				m_e	
WBS	0.82	161.4	Sg	13:10:43.020	1.8					---		40.7	0.31	m_e	
GSH	0.90	200.1	Pg	13:10:33.470	1.3					---				m_e	
GSH	0.90	200.1	Sg	13:10:45.930	2.1					---		56.2	0.31	m_e	
IBBN	0.91	36.8	Pg	13:10:34.630	2.3					T__				m__	ML 2.2
IBBN	0.91	36.8	Sg	13:10:47.760	3.7					T__		0.2		m__	
IBBE	0.92	38.1	Pg	13:10:34.700	2.2					T__				m__	ML 3.0
IBBE	0.92	38.1	Sg	13:10:47.730	3.4					T__		0.3		m__	
ACN	0.95	211.7	Pg	13:10:34.270	1.2					---				m_e	
ACN	0.95	211.7	Sg	13:10:47.670	2.4					---		79.6	0.24	m_e	
KLL	1.00	200.8	Pg	13:10:35.386	1.3					---				m_e	
KLL	1.00	200.8	Sg	13:10:49.427	2.4					---				m_e	

DREG	1.00	203.7	Pg	13:10:35.483	1.4	---	m_e												
HGN	1.01	216.1	Pg	13:10:35.380	1.2	T_	m_												
HGN	1.01	216.1	Sg	13:10:49.680	2.4	T_	m_												
KAST	1.04	110.9	Pg	13:10:36.262	1.5	---	m_e	ML	2.3										
KAST	1.04	110.9	Sg	13:10:49.882	1.7	---	m_e												
AHRW	1.05	172.8	Pg	13:10:36.570	1.6	---	m_e	ML	2.2										
MEM	1.11	209.3	Pg	13:10:37.175	1.0	---	m_e	ML	2.1										
MEM	1.11	209.3	Sg	13:10:52.010	1.4	---	m_e												
OLFT	1.13	194.7	Pg	13:10:37.550	1.1	---	m_e												
OLFT	1.13	194.7	Sg	13:10:52.860	1.9	---	m_e												
BHE	1.25	170.9	Pg	13:10:39.440	0.8	---	m_e												
BHE	1.25	170.9	Sg	13:10:56.290	1.5	---	m_e			26.9	0.26								
KOE	1.28	154.6	Pg	13:10:39.937	0.6	---	m_e												
LOH	1.42	188.7	Pg	13:10:42.420	0.5	---	m_e												
LOH	1.42	188.7	Sg	13:11:00.760	0.6	---	m_e			45.1	0.27								
TNS	1.69	143.2	Pn	13:10:46.827	2.2	---	m_e	ML	2.1										
TNS	1.69	143.2	Pg	13:10:48.510	1.5	---	m_e												
TNS	1.69	143.2	Sg	13:11:09.369	0.6	---	m_e												
RCHB	1.76	216.6	Sg	13:11:11.382	0.1	---	m_e	ML	2.2										
WLF	1.97	193.6	Sg	13:11:17.451	-0.4	---	m_e	ML	2.2										

Event 80731001 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2018/07/31	00:12:59.90	0.17	0.32	51.3422	6.6266	3.1	2.7	043	1.0f		33	17	288			m i sr	LDG	80731041	
2018/07/31	00:12:55.10	0.76	0.41	51.6310	6.8630				1.0f				7	294	0.28	1.34	m i ki	BNS	80731031
2018/07/31	00:12:55.50	0.20	0.11	51.5790	6.8910				1.0f				12	181		m i ki	GDNRW	80731021	
2018/07/31	00:12:56.06	0.34	0.41	51.5800	6.8200	3.3	2.2	125	1.0f		17	12	142	0.05	1.96	m i ki	BGR	80731011	
2018/07/31	00:12:55.03		0.32	51.5830	6.8730				3.4	1.7	21	12	118	0.03	1.68	m i ki	BUG	80731001	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.3	15 LDG	80731041
ML	2.0		BNS	80731031
ML	1.9		GDNRW	80731021
ML	2.0	0.1	7 BGR	80731011
MD	2.5	0.4	11 BUG	80731001
ML	2.5		3 BUG	80731001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZER1	0.03	291.6	Pg	00:12:56.260	0.4					T_				m_ ML	2.3
ZER1	0.03	291.6	Sg	00:12:57.300	0.9					T_		52.7		m_	
ZER3	0.04	324.2	Pg	00:12:56.320	0.4					T_				m_ ML	2.0
ZER3	0.04	324.2	Sg	00:12:57.240	0.7					T_		23.9		m_	
ZERL	0.04	356.7	Pg	00:12:56.420	0.5					T_				m_ ML	2.0
ZERL	0.04	356.7	Sg	00:12:57.460	0.9					T_		23.2		m_	
BAVS	0.20	54.0	Pg	00:13:00.140	1.3					T_				m_	
BAVS	0.20	54.0	Sg	00:13:03.780	2.3					T_		4.8		m_	
BAVN	0.22	44.8	Pg	00:13:00.630	1.4					T_				m_ ML	2.2
BAVN	0.22	44.8	Sg	00:13:04.840	2.8					T_		2.1		m_	
LAUG	0.24	169.2	Pg	00:13:00.361	0.8					---				m_e	
HES	0.24	154.0	Pg	00:13:00.590	1.0					---				m_e	

HES	0.24	154.0	Sg	00:13:03.940	1.2	___	115.5	0.44	m_e		
BULI	0.27	117.9	Pg	00:13:01.710	1.5	T_			m__ ML	2.2	
BULI	0.27	117.9	Sg	00:13:05.810	2.0	T_	1.1		m__		
BPFI	0.28	126.6	Pg	00:13:01.580	1.3	T_			m__ ML	2.1	
BPFI	0.28	126.6	Sg	00:13:05.870	2.0	T_	0.8		m__		
BUG	0.28	119.8	Pg	00:13:02.040	1.6	T_			m__ ML	2.1	
BUG	0.28	119.8	Sg	00:13:06.220	2.1	T_	0.9		m__		
BKLB	0.29	119.9	Pg	00:13:02.030	1.6	T_			m__		
XAN	0.29	286.2	Pg	00:13:01.450	0.9	___			mde		
XAN	0.29	286.2	Sg	00:13:05.850	1.6	___			m_e		
WTSB	0.39	353.2	Pg	00:13:03.540	1.2	___			m_e ML	2.0	
ENTS	0.48	135.3	Pg	00:13:05.010	0.9	___			m_e		
ENTS	0.48	135.3	Sg	00:13:11.570	1.3	___			m_e		
PLH	0.58	183.3	Pg	00:13:06.850	0.9	___			m_e		
PLH	0.58	183.3	Sg	00:13:15.010	1.5	___			m_e		
RODG	0.62	224.9	Pg	00:13:07.411	0.8	___			m_e		
HOBG	0.67	154.1	Pg	00:13:08.742	1.2	___			m_e		
SORT	0.72	108.4	Pg	00:13:09.640	1.0	___			m_e		
SORT	0.72	108.4	Sg	00:13:19.380	1.4	___	47.7	0.42	m_e		
WBS	0.82	161.5	Pg	00:13:11.370	0.9	___			m_e		
WBS	0.82	161.5	Sg	00:13:22.530	1.5	___	34.5	0.49	m_e		
GSH	0.90	200.3	Pg	00:13:13.220	1.2	___			m_e		
GSH	0.90	200.3	Sg	00:13:25.220	1.5	___			m_e		
IBBN	0.91	36.7	Pg	00:13:13.780	1.7	T_	50.2	0.35	m_e		
IBBN	0.91	36.7	Sg	00:13:27.410	3.6	___	0.2		m__ ML	2.2	
ACN	0.95	211.8	Pg	00:13:14.060	1.2	___			m_e		
ACN	0.95	211.8	Sg	00:13:26.870	1.7	___			m_e		
KLL	1.00	200.9	Pg	00:13:14.994	1.1	___			m_e		
KLL	1.00	200.9	Sg	00:13:29.362	2.5	___	50.8	0.25	m_e		
DREG	1.00	203.8	Pg	00:13:15.260	1.3	___			m_e		
HGN	1.01	216.1	Pg	00:13:15.210	1.1	___			m__ ML	2.2	
HGN	1.01	216.1	Sg	00:13:29.150	2.0	___	0.1		m__		
KAST	1.04	110.9	Pg	00:13:15.760	1.2	T_			m__ ML	2.4	
KAST	1.04	110.9	Sg	00:13:31.020	3.1	___	0.2		m__		
AHRW	1.05	172.9	Pg	00:13:16.350	1.5	T_			m__ ML	2.4	
AHRW	1.05	172.9	Sg	00:13:31.300	2.9	___	0.2		m__		
MEM	1.11	209.4	Pg	00:13:16.744	0.7	___			m_e ML	2.1	
MEM	1.11	209.4	Sg	00:13:31.676	1.2	___			m_e		
OLFT	1.13	194.8	Pg	00:13:17.380	1.1	___			m_e		
OLFT	1.13	194.8	Sg	00:13:32.200	1.4	___			m_e		
BHE	1.25	171.0	Pg	00:13:19.370	0.9	___			m_e		
BHE	1.25	171.0	Sg	00:13:35.860	1.3	___	19.1	0.26	m_e		
KOE	1.28	154.6	Pg	00:13:19.783	0.7	___			m_e		
HILG	1.30	185.5	Pg	00:13:19.783	0.3	___			m_e		
LOH	1.42	188.8	Pg	00:13:22.080	0.3	___			m_e		
LOH	1.42	188.8	Sg	00:13:40.570	0.5	___	40.5	0.26	m_e		
TNS	1.68	143.3	Pg	00:13:27.600	0.8	___			m__ ML	2.4	
RCHB	1.76	216.7	Sg	00:13:51.287	0.2	___			m_e ML	2.1	
WLF	1.97	193.7	Pg	00:13:32.719	0.5	___			m_e ML	2.1	
WLF	1.97	193.7	Sg	00:13:57.823	0.1	___			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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