

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 90404001 Furtwangen/Black Forest, E of Freiburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/04	09:22:24.00	0.04	0.52	48.0245	8.0595	0.8	0.7	027	10.0f		170	24	022			m i ke	LDG	90404031
2019/04/04	09:22:24.72		0.49	48.0360	8.1410				8.3	3.2	29	15	209	0.29	2.20	m i ke	BUG	90404021
2019/04/04	09:22:24.23	0.22	0.37	48.0190	8.0680	2.2	1.1	051	10.0f		29	19	088	0.33	2.67	m i ke	BGR	90404011
2019/04/04	09:22:24.06	0.06	0.19	48.0150	8.0650	0.7	0.5	355	11.0	2.0	83	44	043	0.11	2.16	m i ke	LED	90404001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.4	0.2	2 LDG	90404031
ML	3.1	0.4	22 LDG	90404031
MD	2.9	0.2	9 BUG	90404021
ML	3.2	0.3	9 BUG	90404021
ML	2.6	0.3	18 BGR	90404011
ML	2.9	0.2	42 LED	90404001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KIZ	0.11	239.2	Pg	09:22:27.140	0.2					T__				mci	ML 2.9
KIZ	0.11	239.2	Sg	09:22:29.220	0.4					T__				m__	
FREI	0.15	267.7	Pg	09:22:27.690	0.3					T__				mci	ML 3.0
FREI	0.15	267.7	Sg	09:22:30.280	0.6					T__				m__	
STAU	0.27	236.9	Pg	09:22:29.480	0.1					T__				mci	
STAU	0.27	236.9	Sg	09:22:33.280	0.2					T__				m__	
VOGT	0.27	284.3	Pg	09:22:29.820	0.3					T__				mci	ML 3.2
VOGT	0.27	284.3	Sg	09:22:33.860	0.6					T__				m__	
BREM	0.31	250.6	Pg	09:22:30.620	0.4					T__				mci	ML 2.8
BREI	0.32	273.4	Pg	09:22:30.810	0.4					T__				mci	
METMA	0.33	157.4	Pg	09:22:30.470	-0.0					T__				mdi	ML 2.4
METMA	0.33	157.4	Sg	09:22:34.970	0.0					T__				m__	
A101B	0.34	72.2	Pg	09:22:30.830	0.1					___				m__	ML 3.3
A101B	0.34	72.2	Sg	09:22:35.480	0.2					___		3.0		m__	
BFO	0.36	29.2	Pg	09:22:31.110	-0.0					T__				mci	ML 2.9
BFO	0.36	29.2	Sg	09:22:35.970	0.0					T__				m__	
ENDD	0.37	216.3	Pg	09:22:31.350	0.0					T__				mci	ML 3.0
ENDD	0.37	216.3	Sg	09:22:36.370	0.1					T__				m__	
SLE	0.38	130.7	Pg	09:22:31.490	0.0					T__				mdi	ML 2.7
SLE	0.38	130.7	Sg	09:22:36.650	0.1					T__				m__	
ROTE	0.43	70.9	Pg	09:22:32.420	0.1					T__				mci	ML 2.9
ROTE	0.43	70.9	Sg	09:22:38.210	0.2					T__				m__	
OFFE	0.46	352.8	Pg	09:22:33.100	0.1					T__				m__	
OPP	0.49	9.5	Pg	09:22:33.410	-0.1					T__				mc_	ML 2.8
OPP	0.49	9.5	Sg	09:22:39.760	-0.1					T__				m__	
LOES	0.49	213.3	Pg	09:22:33.700	0.2					T__				mc_	
WALT	0.53	265.0	Pg	09:22:34.470	0.2					T__				md_	
EMING	0.54	102.6	Pg	09:22:34.450	0.1					T__				mci	ML 2.9
EMING	0.54	102.6	PmP	09:22:35.650	-1.5					T__				m__	
EMING	0.54	102.6	Sg	09:22:41.810	0.4					T__				m__	
WLS	0.62	310.3	Pg	09:22:36.070	0.2					T__				md_	ML 2.5
WLS	0.62	310.3	Sg	09:22:44.290	0.3					T__				m__	
MSS	0.62	74.4	Pg	09:22:36.070	0.2					T__				mci	ML 2.8
MSS	0.62	74.4	Sg	09:22:44.290	0.3					T__				m__	

ILLF	0.64	238.8	Pg	09:22:36.290	0.1	T__	mci	
ECH	0.64	288.7	Pg	09:22:36.180	-0.0	T__	mc_ ML	2.4
ECH	0.64	288.7	Sg	09:22:44.480	-0.1	T__	m__	
STEIN	0.64	122.3	Pg	09:22:36.540	0.3	T__	mdi ML	3.0
STEIN	0.64	122.3	Sg	09:22:45.220	0.6	T__	m__	
GUT	0.70	85.1	Pg	09:22:37.550	0.1	T__	mci ML	2.9
GUT	0.70	85.1	PmP	09:22:37.940	-1.8	T__	m__	
GUT	0.70	85.1	Sg	09:22:46.790	0.1	T__	m__	
BABA	0.71	6.8	Pg	09:22:37.420	-0.1	T__	m__ ML	3.0
BABA	0.71	6.8	Sg	09:22:46.590	-0.2	T__	m__	
BABA	0.71	6.8	SmS	09:22:47.760	-2.8	T__	m__	
A100A	0.72	52.3	Pg	09:22:37.760	-0.0	---	m__ ML	3.0
A100A	0.72	52.3	Sg	09:22:47.200	-0.0	---	m__	1.3
BALST	0.72	200.3	Pg	09:22:37.870	0.1	T__	mc_ ML	2.9
BALST	0.72	200.3	Sg	09:22:47.900	0.6	T__	m__	
BALST	0.72	200.3	SmS	09:22:49.120	-1.8	T__	m__	
FREU	0.75	72.5	Pg	09:22:38.340	0.1	T__	mc_ ML	2.3
FREU	0.75	72.5	Sg	09:22:48.420	0.4	T__	m__	
HOHE	0.75	329.3	Pg	09:22:38.190	-0.1	T__	md_	
WALHA	0.76	109.9	Pg	09:22:38.680	0.2	T__	md_ ML	3.0
WALHA	0.76	109.9	Sg	09:22:48.910	0.6	T__	m__	
A102A	0.77	80.2	Pg	09:22:38.780	0.1	---	m__ ML	2.8
A102A	0.77	80.2	Sg	09:22:48.960	0.3	---	m__	0.8
WILA	0.83	136.3	Pg	09:22:39.990	0.3	T__	md_ ML	2.9
WILA	0.83	136.3	Sg	09:22:51.062	0.6	---	m_e	
BOURR	0.84	222.5	Pg	09:22:40.220	0.3	T__	m__	
TUBL	0.85	52.8	Pn	09:22:40.070	-1.2	T__	m__ ML	2.7
GALG	0.91	31.4	Pn	09:22:40.400	-1.7	T__	m__ ML	3.2
GALG	0.91	31.4	Pg	09:22:41.180	-0.1	T__	m__	
GALG	0.91	31.4	Sn	09:22:52.940	-1.8	T__	m__	
NEEW	0.94	1.6	Pg	09:22:41.430	-0.5	T__	m__	
NEEW	0.94	1.6	Sn	09:22:54.030	-1.6	T__	m__	
ZWI	0.95	74.9	Pg	09:22:42.180	0.0	T__	m__ ML	2.5
ZWI	0.95	74.9	Sg	09:22:54.470	-0.1	T__	m__	
BUCH	0.96	62.7	Pn	09:22:41.360	-1.5	T__	m__ ML	2.7
BUCH	0.96	62.7	Pg	09:22:42.390	0.1	T__	m__	
ROMAN	0.97	117.4	Pn	09:22:42.590	-0.3	T__	m__ ML	2.6
ROMAN	0.97	117.4	Sn	09:22:55.580	-0.6	T__	m__	
A103C	1.00	102.5	Pg	09:22:42.980	0.0	---	m__ ML	3.1
A103C	1.00	102.5	Sg	09:22:56.630	0.7	---	m__	1.3
A103D	1.02	101.6	Pg	09:22:42.700	-0.6	---	m__ ML	3.0
A103D	1.02	101.6	Sg	09:22:57.220	0.7	---	m__	0.9
A109A	1.02	64.7	Pg	09:22:42.220	-1.2	---	m__	
A109A	1.02	64.7	Sg	09:22:56.040	-0.7	---	m__	
STU	1.06	44.3	Pg	09:22:44.304	0.1	---	m_e ML	2.8
STU	1.06	44.3	Sg	09:22:57.707	-0.3	---	m_e	
A104C	1.07	83.4	Pg	09:22:44.350	0.1	---	m__ ML	2.8
A104C	1.07	83.4	Sg	09:22:58.820	0.6	---	m__	0.5
PEB	1.08	347.8	Pn	09:22:42.820	-1.6	T__	mci ML	2.7
BRET	1.08	22.3	Pn	09:22:42.940	-1.5	T__	m__ ML	3.0
BRET	1.08	22.3	Pg	09:22:44.570	0.1	T__	md_	
BRET	1.08	22.3	Sg	09:22:58.340	-0.2	T__	m__	
TETT	1.10	108.3	Pn	09:22:44.920	0.2	T__	m__ ML	3.2
TETT	1.10	108.3	Sg	09:22:59.890	0.8	T__	m__	

ROTT	1.12	2.8	Pn	09:22:43.720	-1.2	T__	m__ ML	2.8
VOEL	1.14	327.1	Pn	09:22:44.060	-1.2	T__	md__	
VOEL	1.14	327.1	Pg	09:22:45.470	-0.1	T__	m__	
LIENZ	1.20	126.2	Sg	09:23:03.420	1.1	T__	m__ ML	2.7
CHMF	1.22	231.7	Pn	09:22:44.590	-1.8	T__	mci ML	2.7
CHMF	1.22	231.7	Pg	09:22:47.090	-0.1	___	m__	
CHMF	1.22	231.7	Sg	09:23:03.040	0.0	T__	m__	
A108A	1.22	73.6	Pg	09:22:47.350	0.2	___	m__ ML	3.2
A108A	1.22	73.6	Sg	09:23:03.540	0.5	___	m__	1.1
DEGG	1.25	61.0	Pn	09:22:45.090	-1.6	T__	mc__ ML	2.5
DEGG	1.25	61.0	Pg	09:22:47.850	0.2	T__	m__	
URBA	1.30	50.3	Pn	09:22:45.520	-2.0	T__	m__ ML	2.8
URBA	1.30	50.3	Pg	09:22:48.210	-0.5	T__	md__	
URBA	1.30	50.3	Sg	09:23:05.110	-0.4	T__	m__	
PLONS	1.31	136.9	Pn	09:22:48.769	1.1	___	m_e ML	2.0
PLONS	1.31	136.9	Sg	09:23:05.857	-0.0	___	m_e	
A106B	1.33	55.5	Pg	09:22:48.830	-0.3	___	m__ ML	2.8
A106B	1.33	55.5	Sg	09:23:05.970	-0.3	___	m__	0.4
UBR	1.41	102.9	Pg	09:22:51.270	0.6	___	m_e ML	2.9
UBR	1.41	102.9	Sn	09:23:05.840	-0.8	___	m__	
UBR	1.41	102.9	Sg	09:23:09.210	0.2	___	m__	
A107C	1.43	89.0	Pg	09:22:51.520	0.5	___	m__	
A107C	1.43	89.0	Sg	09:23:09.750	0.2	___	m__	1.3
IMS	1.58	356.1	Pg	09:22:53.880	-0.1	___	m__ ML	2.5
IMS	1.58	356.1	Sg	09:23:14.080	-0.4	___	m__	
A105A	1.62	111.2	Sg	09:23:15.400	-0.2	___	m__	
OBER	1.62	111.2	Sg	09:23:15.410	-0.1	___	m_e ML	2.0
SIND	1.68	36.8	Pn	09:22:50.420	-2.1	___	md__ ML	2.9
SIND	1.68	36.8	Pg	09:22:55.260	-0.5	___	m__	
WBA	1.71	16.5	Pn	09:22:51.150	-1.9	___	m__ ML	3.2
WBA	1.71	16.5	Sn	09:23:11.320	-2.4	___	m__	
WOER	1.77	54.7	Pg	09:22:57.450	0.0	___	m__ ML	2.7
WOER	1.77	54.7	Sn	09:23:11.440	-3.6	___	m__	
WOER	1.77	54.7	Sg	09:23:18.730	-1.6	___	m__	
NORI	1.84	66.5	Sg	09:23:22.646	0.0	___	m_e ML	2.6
RETA	1.89	105.2	Sg	09:23:24.730	0.6	___	m__ ML	2.3
RIVT	1.90	333.7	Pn	09:22:56.094	0.5	___	m_e	
RIVT	1.90	333.7	Pg	09:22:59.299	-0.6	___	m_e	
ABH	1.90	349.9	Pg	09:22:59.580	-0.3	___	m__ ML	2.6
ABH	1.90	349.9	Sg	09:23:23.540	-0.9	___	m__	
WLF	2.07	323.4	Pg	09:23:01.600	-1.6	___	m__ ML	2.4
WLF	2.07	323.4	Sg	09:23:30.469	0.4	___	m_e	
GWBD	2.10	357.2	Sg	09:23:29.870	-1.0	___	m__	
PART	2.12	103.1	Sg	09:23:31.903	0.6	___	m_e ML	2.5
FUR	2.15	84.9	Sg	09:23:32.796	0.4	___	m_e ML	3.0
BEUR	2.16	343.0	Pg	09:23:04.760	-0.1	___	m__ ML	2.4
TNS	2.22	6.3	Pn	09:22:58.910	-1.0	___	m__ ML	2.6
TNS	2.22	6.3	Sg	09:23:34.171	-0.5	___	m_e	
GRA1	2.67	49.9	Sg	09:23:48.308	-0.6	___	m_e ML	2.9

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/08	03:39:35.20	0.06	0.47	47.3185	7.7076	1.1	0.9	129	20.0	0.0	59	10	085			m i ke	LDG	90408043
2019/04/08	03:39:40.01	1.32	1.33	47.5670	7.8110				27.2	9.7	10	6	306	0.74	1.74	m i ke	BUG	90408033
2019/04/08	03:39:35.81	0.17	0.26	47.3280	7.7210	2.1	1.6	348	21.0	2.0	49	23	172	0.02	1.46	m i ke	LED	90408023
2019/04/08	03:39:35.58	0.40		47.3420	7.7170	3.3	2.2	035	20.6	1.3	22	11	144	0.02	1.65	m i ke	BGR	90408013

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.1	1	LDG	90408043
ML	2.2	0.1	9 LDG	90408043
MD	2.8	0.8	5 BUG	90408033
ML	2.0	0.2	5 BUG	90408033
ML	1.7	0.3	19 LED	90408023
ML	1.6	0.5	10 BGR	90408013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.02	248.1	Pg	03:39:39.404	0.3					T__				m_e	ML 0.7
BALST	0.02	248.1	Sg	03:39:41.816	0.3					T__				m_e	
LOES	0.26	352.6	Pg	03:39:42.230	0.6					---				mdi	
LOES	0.26	352.6	Sg	03:39:46.570	0.7					---				m__	
BOURR	0.33	279.3	Pg	03:39:43.100	0.3					---				mci	ML 0.9
BOURR	0.33	279.3	Sg	03:39:48.290	0.6					---				m__	
ENDD	0.37	2.2	Pg	03:39:43.780	0.3					---				mdi	ML 1.5
ENDD	0.37	2.2	Sg	03:39:49.370	0.6					---				m__	
ILLF	0.46	317.7	Pg	03:39:45.430	0.5					---				mci	
ILLF	0.46	317.7	Sg	03:39:52.110	0.8					---				m__	
METMA	0.52	44.1	Pg	03:39:46.094	0.2					T__				m_e	ML 1.6
METMA	0.52	44.1	Sg	03:39:53.146	0.1					T__				m_e	
STAU	0.53	1.2	Pg	03:39:46.360	0.2					---				m__	
STAU	0.53	1.2	Sg	03:39:53.840	0.5					---				m__	
KIZ	0.63	12.4	Pn	03:39:47.710	-1.0					---				md_	ML 1.8
KIZ	0.63	12.4	Pg	03:39:48.110	0.2					---				mdi	
KIZ	0.63	12.4	Sn	03:39:56.670	-1.3					---				m__	
FBB	0.67	7.9	Pg	03:39:48.870	0.3					---				mci	ML 1.9
SLE	0.67	50.7	Pn	03:39:48.410	-0.9					---				mc_	ML 2.3
SLE	0.67	50.7	Pg	03:39:48.833	0.1					T__				m_e	
SLE	0.67	50.7	Sg	03:39:57.788	0.0					T__				m_e	
WALT	0.69	334.7	Pg	03:39:49.630	0.6					---				m__	
WALT	0.69	334.7	Sg	03:39:59.030	0.7					---				m__	
CHMF	0.73	263.0	Pn	03:39:49.560	-0.5					---				mc_	ML 1.8
CHMF	0.73	263.0	Sn	03:39:59.090	-1.2					---				m__	
VOGT	0.74	357.6	Pn	03:39:50.110	-0.1					---				m__	ML 2.1
VOGT	0.74	357.6	Sn	03:40:00.590	0.0					---				m__	
WILA	0.81	84.4	Pn	03:39:50.880	-0.3					---				mc_	ML 2.2
WILA	0.81	84.4	Pg	03:39:51.311	0.1					T__				m_e	
WILA	0.81	84.4	Sg	03:40:01.703	-0.3					T__				m_e	
STEIN	0.84	66.7	Pn	03:39:51.890	0.2					---				md_	ML 2.0
STEIN	0.84	66.7	Sn	03:40:03.520	0.5					---				m__	
EMING	0.94	53.6	Pg	03:39:53.597	-0.1					T__				m_e	ML 1.7
EMING	0.94	53.6	Sn	03:40:04.610	-0.7					T__				m_e	
EMING	0.94	53.6	Sg	03:40:06.073	0.0					T__				m_e	
ECH	0.95	337.0	Pg	03:39:53.724	-0.1					T__				m_e	ML 1.5
ECH	0.95	337.0	Sg	03:40:06.176	-0.2					T__				m_e	
A101B	0.96	35.5	Pg	03:39:53.810	-0.1					---				m__	ML 1.7

A101B	0.96	35.5	Sg	03:40:06.360	-0.2	___	0.1	m__												
WALHA	1.03	66.1	Pg	03:39:55.158	-0.2	T__		m_e	ML	1.7										
WALHA	1.03	66.1	Sg	03:40:09.000	0.0	T__		m_e												
ROTE	1.03	38.0	Pn	03:39:53.080	-1.2	___		m__	ML	1.8										
ROTE	1.03	38.0	Pg	03:39:55.090	-0.3	___		m__												
ROTE	1.03	38.0	Sg	03:40:08.660	-0.3	___		m__												
BFO	1.07	22.4	Pn	03:39:53.560	-1.2	___		md_	ML	1.3										
BFO	1.07	22.4	Pg	03:39:55.431	-0.6	T__		m_e												
BFO	1.07	22.4	Sg	03:40:09.800	-0.3	T__		m_e												
ROMAN	1.12	77.9	Sg	03:40:11.260	-0.3	___		m__	ML	1.3										
PLONS	1.17	103.9	Pg	03:39:57.476	-0.4	T__		m_e	ML	1.3										
PLONS	1.17	103.9	Sg	03:40:12.712	-0.4	T__		m_e												
GUT	1.19	51.7	Pn	03:39:55.360	-1.0	___		mc_	ML	1.7										
GUT	1.19	51.7	Pg	03:39:58.170	-0.1	___		m__												
GUT	1.19	51.7	Sn	03:40:10.560	-0.6	___		m__												
LIENZ	1.21	91.5	Pg	03:39:58.500	-0.1	___		mc_	ML	1.2										
A102A	1.28	50.8	Pg	03:39:59.840	-0.1	___		m__	ML	1.9										
A102A	1.28	50.8	Sn	03:40:12.700	-0.5	___	0.1	m__												
A103C	1.29	69.1	Sg	03:40:16.740	-0.3	___		m__												
FREU	1.31	46.3	Pn	03:39:56.810	-1.1	___		m__	ML	1.2										
FREU	1.31	46.3	Pg	03:40:00.320	-0.1	___		m__												
FREU	1.31	46.3	Sn	03:40:13.360	-0.5	___		m__												
FREU	1.31	46.3	Sg	03:40:17.190	-0.3	___		m__												
HOHE	1.33	353.3	Sg	03:40:17.970	-0.1	___		m__												
A100A	1.38	35.7	Pg	03:40:01.300	-0.4	___		m__	ML	1.9										
A100A	1.38	35.7	Sn	03:40:14.600	-0.9	___	0.1	m__												
DAVA	1.47	91.4	Pn	03:40:00.570	0.5	___		m__	ML	1.5										
DAVA	1.47	91.4	Pg	03:40:03.166	-0.3	T__		m_e												
DAVA	1.47	91.4	Sg	03:40:22.379	-0.2	T__		m_e												
UBR	1.65	77.3	Sg	03:40:28.535	0.2	T__		m_e	ML	2.0										
A106B	1.95	42.8	Pn	03:40:10.100	3.5	___		m__	ML	2.4										

Event 90408011 Bad Reichenhall, SW of Salzburg/A, Austrian-German border

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/08	22:10:33.13	0.08	0.82	47.5799	12.8222	0.7	0.5	117	5.3	1.6	55	13	011			m i uk	ZAMG	90408021
2019/04/08	22:10:34.48	1.07	0.73	47.6010	12.8710	12.2	3.3	144	1.0f		10	8	241	0.15	2.21	m i ke	BGR	90408011

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	16 ZAMG	90408021
ML	1.9	0.2	4 BGR	90408011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	0.15	339.6	Pg	22:10:36.272	-1.0					T__				m_e	
PART	1.19	265.6	Sg	22:11:12.840	0.6					T__				m_e	
FUR	1.21	298.3	Sg	22:11:13.985	1.1					T__				m_e	
GEC2	1.36	23.7	Pg	22:11:00.226	0.1					T__				m_e	ML 1.8
GEC2	1.36	23.7	Sg	22:11:18.724	1.0					T__				m_e	
WET	1.54	0.2	Pg	22:11:03.143	-0.4					T__				m_e	ML 1.9
WET	1.54	0.2	Sg	22:11:23.848	0.3					T__				m_e	
OBER	1.75	264.6	Sg	22:11:30.733	0.6					T__				m_e	

UBR	1.86	273.5	Sg	22:11:32.921	-0.8	T__	m_e	ML	2.2
ROTZ	2.21	348.8	Sg	22:11:43.846	-0.8	T__	m_e	ML	1.8

Event 90410001 Donaueschingen/Eastern Black Forest

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/10	08:21:41.40	0.03	0.41	47.8809	8.5013	0.6	0.6	006	9.0f		156	21	022			m i ke	LDG	90410021
2019/04/10	08:21:41.43	0.26	0.26	47.8870	8.4870	3.3	2.2	003	10.0f		16	12	072	0.12	1.65	m i ke	BGR	90410011
2019/04/10	08:21:41.33	0.05	0.21	47.8850	8.4930	0.6	0.5	353	9.0	1.0	3	51	043	0.12	2.30	m i ke	LED	90410001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.4	22 LDG	90410021
ML	2.1	0.3	8 BGR	90410011
ML	2.5	0.2	41 LED	90410001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SLE	0.12	179.9	Pg	08:21:44.030	-0.0					T__				mc_	ML 2.7
SLE	0.12	179.9	Sg	08:21:45.910	0.0					T__				m__	
BERGE	0.21	266.5	Pg	08:21:45.860	0.3					T__				md_	ML 2.5
BERGE	0.21	266.5	Sg	08:21:49.000	0.5					T__				m__	
METMA	0.24	223.1	Pg	08:21:46.080	0.0					T__				mc_	ML 2.0
METMA	0.24	223.1	Sg	08:21:49.350	0.1					T__				m__	
EMING	0.24	87.4	Pg	08:21:46.090	0.0					T__				md_	ML 2.6
EMING	0.24	87.4	Sg	08:21:49.370	0.1					T__				m__	
ROTE	0.29	23.9	Pg	08:21:47.090	0.0					T__				mc_	ML 2.3
ROTE	0.29	23.9	Sg	08:21:51.290	0.3					T__				m__	
STEIN	0.33	130.3	Pg	08:21:47.940	0.2					T__				md_	ML 2.0
STEIN	0.33	130.3	Sg	08:21:52.650	0.5					T__				m__	
KIZ	0.39	280.7	Pg	08:21:49.030	0.2					T__				md_	ML 2.6
KIZ	0.39	280.7	Sg	08:21:54.480	0.4					T__				m__	
MSS	0.43	46.7	Pg	08:21:49.680	0.1					T__				m__	ML 2.0
MSS	0.43	46.7	Sg	08:21:55.540	0.3					T__				m__	
WALHA	0.44	107.1	Pg	08:21:49.940	0.1					T__				md_	ML 2.2
WALHA	0.44	107.1	Sg	08:21:56.160	0.5					T__				m__	
FBB	0.44	285.5	Pg	08:21:50.120	0.3					T__				m__	ML 2.6
FBB	0.44	285.5	Sg	08:21:56.150	0.5					T__				m__	
FREI	0.45	286.1	Pg	08:21:50.270	0.3					T__				m__	
FREI	0.45	286.1	Sg	08:21:56.620	0.7					T__				m__	
GUT	0.46	65.7	Pg	08:21:50.070	0.0					T__				mc_	ML 2.6
GUT	0.46	65.7	Sg	08:21:56.060	0.0					T__				m__	
BFO	0.46	346.3	Pg	08:21:50.240	0.1					T__				md_	ML 2.4
BFO	0.46	346.3	Sg	08:21:56.380	0.3					T__				m__	
BFO	0.46	346.3	SmS	08:22:00.160	-1.8					T__				m__	
BHBD	0.50	43.1	Pg	08:21:51.060	0.2					T__				m__	
KONZ	0.50	115.7	Pg	08:21:51.240	0.3					T__				m__	
STAU	0.51	268.5	Sg	08:21:58.310	0.6					T__				m__	
STAU	0.51	268.5	SmS	08:22:01.160	-2.0					T__				m__	
ENDD	0.53	251.8	Pg	08:21:51.650	0.1					T__				mc_	ML 2.5
ENDD	0.53	251.8	Sg	08:21:58.820	0.3					T__				m__	
ENDD	0.53	251.8	SmS	08:22:01.700	-2.0					T__				m__	
WILA	0.55	149.1	Pg	08:21:51.990	0.2					T__				md_	ML 2.4

WILA	0.55	149.1	Sg	08:21:59.420	0.5	T__	m__	
WILA	0.55	149.1	SmS	08:22:02.720	-1.3	T__	m__	
FREU	0.55	50.6	Pg	08:21:51.960	0.1	T__	mc_ ML	1.8
FREU	0.55	50.6	Sg	08:21:59.250	0.1	T__	m__	
JUNG	0.57	38.9	Pg	08:21:52.400	0.2	T__	mc_	
JUNG	0.57	38.9	Sg	08:21:59.910	0.2	T__	m__	
BREM	0.58	272.9	Pg	08:21:53.620	1.2	T__	m__	
VOGT	0.58	289.9	Pg	08:21:52.720	0.3	T__	md_ ML	2.7
VOGT	0.58	289.9	PmP	08:21:54.140	-1.2	T__	m__	
VOGT	0.58	289.9	Sg	08:22:00.880	0.8	T__	m__	
VOGT	0.58	289.9	SmS	08:22:03.360	-1.6	T__	m__	
LOES	0.62	243.5	PmP	08:21:54.050	-1.9	___	m__	
BREI	0.62	284.0	Sg	08:22:02.630	1.3	T__	m__	
A100A	0.64	26.8	Pg	08:21:53.010	-0.4	T__	m__	
A100A	0.64	26.8	PmP	08:21:54.890	-1.2	T__	m__	
A100A	0.64	26.8	SmS	08:22:04.410	-1.9	T__	m__	
OPP	0.65	341.7	Pg	08:21:53.680	0.1	T__	m__ ML	2.5
OPP	0.65	341.7	Sg	08:22:02.140	0.1	T__	m__	
ROMAN	0.65	119.2	Pg	08:21:53.860	0.2	T__	m__ ML	2.1
ROMAN	0.65	119.2	PmP	08:21:55.310	-1.0	T__	m__	
ROMAN	0.65	119.2	Sg	08:22:02.800	0.6	T__	m__	
A103D	0.71	96.4	Pg	08:21:55.080	0.2	T__	md_	
A103D	0.71	96.4	Sg	08:22:04.720	0.5	T__	m__	
ZWI	0.74	59.5	Pg	08:21:55.220	-0.1	T__	m__ ML	2.3
TUBL	0.75	31.4	Pg	08:21:55.380	-0.1	T__	m__ ML	2.5
TUBL	0.75	31.4	SmS	08:22:07.060	-2.2	T__	m__	
A124A	0.76	0.0	Pg	08:21:55.970	0.2	T__	mc_	
A124A	0.76	0.0	PmP	08:21:56.610	-1.5	T__	m__	
A124A	0.76	0.0	Sg	08:22:06.300	0.6	T__	m__	
BALST	0.77	224.7	Pg	08:21:56.020	0.1	T__	mc_ ML	2.3
BALST	0.77	224.7	PmP	08:21:57.030	-1.2	T__	m__	
TETT	0.79	106.2	Pg	08:21:56.540	0.3	T__	md_ ML	2.5
TETT	0.79	106.2	Sg	08:22:07.330	0.9	T__	m__	
BUCH	0.80	45.1	Pg	08:21:56.730	0.2	T__	mc_ ML	2.6
BUCH	0.80	45.1	Sg	08:22:07.900	0.9	T__	m__	
A104C	0.82	72.3	Pg	08:21:57.180	0.4	T__	m__	
A104C	0.82	72.3	Sg	08:22:07.700	0.3	T__	m__	
WALT	0.82	276.1	Pg	08:21:57.270	0.4	T__	m__	
BABA	0.86	346.6	Pg	08:21:57.850	0.3	___	m__ ML	2.3
BABA	0.86	346.6	Sg	08:22:08.800	0.1	T__	m__	
LIENZ	0.90	130.7	Pg	08:21:58.740	0.5	T__	md_ ML	2.0
LIENZ	0.90	130.7	Sg	08:22:11.290	1.4	T__	m__	
GALG	0.92	11.9	Pn	08:21:58.540	-1.3	T__	mc_ ML	2.7
GALG	0.92	11.9	PmP	08:21:59.140	-1.6	T__	m__	
GALG	0.92	11.9	Sn	08:22:11.000	-1.8	T__	m__	
GALG	0.92	11.9	SmS	08:22:12.180	-1.8	T__	m__	
WLS	0.93	305.2	Pg	08:21:59.360	0.5	T__	m__ ML	2.2
ECH	0.95	290.9	Pn	08:21:58.940	-1.3	T__	md_ ML	1.8
ECH	0.95	290.9	Pg	08:21:59.580	0.3	T__	m__	
ECH	0.95	290.9	Sg	08:22:11.755	0.1	___	m_e	
BOURR	0.98	240.5	Pn	08:21:59.500	-1.1	T__	m__ ML	2.5
BOURR	0.98	240.5	Pg	08:22:00.240	0.4	T__	m__	
HOHE	1.02	319.4	Pn	08:22:00.180	-1.0	T__	mc_	
HOHE	1.02	319.4	Pg	08:22:01.310	0.6	T__	m__	

HOHE	1.02	319.4	Sg	08:22:14.670	0.7	T__	m__													
PLONS	1.03	144.0	Pg	08:22:01.042	0.3	___	m_e	ML	1.6											
DEGG	1.09	47.9	Pn	08:22:00.900	-1.2	T__	md_	ML	2.4											
DEGG	1.09	47.9	Pg	08:22:02.110	0.2	T__	m__													
NEEW	1.10	346.6	Pg	08:22:02.860	0.7	___	m__													
NEEW	1.10	346.6	Sn	08:22:16.130	-0.9	T__	m__													
NEEW	1.10	346.6	Sg	08:22:18.000	1.6	T__	m__													
UBR	1.10	100.1	Pg	08:22:02.870	0.7	T__	m__	ML	2.6											
UBR	1.10	100.1	Sg	08:22:17.460	1.0	T__	m__													
DAVA	1.11	122.1	Pg	08:22:03.160	0.8	T__	m__	ML	2.0											
BRET	1.14	6.5	Pn	08:22:01.690	-1.0	T__	m__	ML	2.6											
BRET	1.14	6.5	Sn	08:22:16.280	-1.5	T__	m__													
BRET	1.14	6.5	Sg	08:22:18.240	0.7	T__	m__													
A107D	1.15	82.7	Sg	08:22:18.510	0.6	T__	m__													
URBA	1.20	36.9	Pn	08:22:02.110	-1.5	T__	m__	ML	2.5											
URBA	1.20	36.9	Pg	08:22:03.830	-0.1	T__	m__													
PEB	1.29	336.8	Sg	08:22:22.820	0.5	T__	m__	ML	2.6											
HDH	1.34	57.9	Pg	08:22:06.600	-0.0	T__	m__	ML	2.8											
HDH	1.34	57.9	Sg	08:22:24.180	0.2	T__	m__													
CHMF	1.40	243.5	Pn	08:22:05.020	-1.2	___	m__	ML	2.6											
CHMF	1.40	243.5	Pg	08:22:07.720	0.0	___	m__													
CHMF	1.40	243.5	Sg	08:22:25.690	-0.1	___	m__													
VOEL	1.41	320.5	Pn	08:22:05.850	-0.6	___	m__													
VOEL	1.41	320.5	Pg	08:22:08.300	0.3	___	m__													
VOEL	1.41	320.5	Sg	08:22:26.670	0.4	___	m__													
WOER	1.63	45.4	Pn	08:22:07.530	-1.9	___	m__	ML	2.2											
WOER	1.63	45.4	Pg	08:22:11.990	-0.1	___	m__													
WOER	1.63	45.4	Sg	08:22:32.750	-0.5	___	m__													
SIND	1.64	26.3	Pg	08:22:12.030	-0.2	___	md_	ML	2.3											
NORI	1.65	58.7	Sg	08:22:33.427	-0.3	___	m_e	ML	2.5											
ABH	2.09	343.1	Pg	08:22:20.870	0.1	___	m__	ML	2.3											
RIVT	2.15	328.7	Pg	08:22:21.910	0.1	___	md_	ML	2.4											
RIVT	2.15	328.7	Sg	08:22:48.560	-1.1	___	m__													
GRC1	2.30	59.9	Pg	08:22:24.260	-0.4	___	m__	ML	2.4											

Event 90411002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/11	03:47:41.29	1.43	1.63	51.3266	15.8824	8.3	6.5	178	0.0	0.0	37	17	014			m i sr	ZAMG	90411012
2019/04/11	03:47:37.85	0.69	0.52	51.5510	16.1300	8.9	4.4	038	1.0f		16	13	236	0.72	3.63	m i ki	BGR	90411002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	16 ZAMG	90411012
ML	3.2	0.3	13 BGR	90411002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.72	171.7	Pg	03:47:51.668	0.3					T__				m_e	ML 2.4
KSP	0.72	171.7	Sg	03:48:01.300	0.7					T__				m_e	
DPC	1.21	174.2	Pg	03:48:00.362	-0.2					T__				m_e	ML 3.5
BRG	1.53	244.5	Pn	03:48:05.578	0.1					T__				m_e	ML 3.1
BRG	1.53	244.5	Sg	03:48:26.124	-0.3					T__				m_e	



CLL	1.96	264.1	Pn	03:48:10.187	-1.3	T__	m_e	ML	2.9
MORC	1.99	152.7	Pn	03:48:11.628	-0.1	T__	m_e	ML	3.4
MORC	1.99	152.7	Sg	03:48:40.143	-0.8	T__	m_e		
TANN	2.57	245.2	Pn	03:48:19.523	-0.2	T__	m_e	ML	3.4
WERD	2.65	246.9	Pn	03:48:20.468	-0.2	T__	m_e	ML	3.1
MANZ	2.99	240.0	Pn	03:48:25.536	0.3	T__	m_e	ML	3.3
ROTZ	3.06	235.9	Pn	03:48:26.365	0.1	T__	m_e	ML	3.1
GEC2	3.12	210.8	Pn	03:48:27.772	0.7	T__	m_e	ML	3.2
WET	3.18	222.0	Pn	03:48:27.852	-0.0	T__	m_e	ML	3.2
CLZ	3.58	276.9	Pn	03:48:33.915	0.6	T__	m_e	ML	3.3
GRA1	3.63	241.1	Pn	03:48:33.893	-0.1	T__	m_e	ML	3.8

Event 90415003 S of Vesoul/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/15	12:23:07.10	0.04	0.44	47.4912	6.3542	0.9	0.7	118	20.0f		121	29	030			m i ke	LDG	90415013
2019/04/15	12:23:06.15	0.71	0.89	47.5310	6.3300	12.2	7.8	004	10.0f		20	10	317	0.94	2.12	m i ke	BGR	90415003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.1	0.0	2 LDG	90415013
ML	3.2	0.4	26 LDG	90415013
ML	2.9	0.3	5 BGR	90415003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.94	101.4	Pg	12:23:24.503	0.5					T__				m_e	ML 2.8
BALST	0.94	101.4	Sg	12:23:36.744	0.5					T__				m_e	
SULZ	1.20	89.4	Pn	12:23:27.462	-0.9					T__				m_e	ML 3.2
SULZ	1.20	89.4	Pg	12:23:29.388	0.5					T__				m_e	
SULZ	1.20	89.4	Sg	12:23:44.606	0.1					T__				m_e	
BERGE	1.29	74.0	Pn	12:23:28.402	-1.1					T__				m_e	ML 2.6
BERGE	1.29	74.0	Sn	12:23:44.638	-1.4					T__				m_e	
BERGE	1.29	74.0	Sg	12:23:47.071	-0.1					T__				m_e	
METMA	1.31	81.3	Pn	12:23:28.604	-1.2					T__				m_e	ML 2.6
METMA	1.31	81.3	Sg	12:23:47.848	0.0					T__				m_e	
SLE	1.48	80.0	Pn	12:23:30.950	-1.1					T__				m_e	ML 3.4
SLE	1.48	80.0	Pg	12:23:35.098	1.1					T__				m_e	
BFO	1.56	58.4	Pg	12:23:37.168	1.6					T__				m_e	
EMING	1.73	76.9	Sg	12:24:01.444	0.2					T__				m_e	
WILA	1.75	92.9	Pn	12:23:35.647	-0.1					T__				m_e	
WILA	1.75	92.9	Pg	12:23:40.050	1.0					T__				m_e	
WILA	1.75	92.9	Sg	12:24:01.903	0.2					T__				m_e	
WALHA	1.89	82.2	Pg	12:23:42.933	1.0					T__				m_e	
PLONS	2.12	102.0	Pg	12:23:47.662	1.4					T__				m_e	
PLONS	2.12	102.0	Sg	12:24:12.470	-1.2					T__				m_e	

Event 90416003 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/16	09:51:56.33	0.20	2.17	48.2895	15.9493	0.9	0.8	047	10.3	2.8	51	2	082			m i fe	ZAMG	90416013

2019/04/16 09:51:56.42 0.39 0.71 48.3120 15.9810 5.6 3.3 120 10.0f 14 8 174 0.80 2.21 m i ke BGR 90416003  
(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.3	21 ZAMG	90416013
ML	3.0	0.3	8 BGR	90416003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KRUC	0.80	19.9	Pg	09:52:11.423	-0.1					T__				m_e ML	2.7
TREC	1.04	341.9	Pg	09:52:15.826	-0.2					T__				m_e ML	3.6
VRAC	1.07	21.8	Pg	09:52:16.315	-0.4					T__				m_e ML	3.0
VRAC	1.07	21.8	Sg	09:52:30.837	0.1					T__				m_e	
ARSA	1.11	196.3	Pg	09:52:16.683	-0.6					T__				m_e ML	2.5
ARSA	1.11	196.3	Sg	09:52:30.973	-0.7					T__				m_e	
CKRC	1.22	295.3	Pg	09:52:19.456	0.0					T__				m_e ML	3.4
MOA	1.24	248.7	Pn	09:52:19.874	0.8					T__				m_e ML	2.8
MOA	1.24	248.7	Pg	09:52:20.619	0.8					T__				m_e	
MOA	1.24	248.7	Sg	09:52:36.078	0.3					T__				m_e	
GEC2	1.60	290.3	Pn	09:52:25.621	1.6					T__				m_e ML	2.9
GEC2	1.60	290.3	Pg	09:52:26.319	-0.3					T__				m_e	
GEC2	1.60	290.3	Sg	09:52:47.420	0.1					T__				m_e	
WET	2.21	293.3	Sg	09:53:05.480	-1.2					T__				m_e ML	3.0

Event 90426002 Emmendingen/Upper Rhine Graben, N of Freiburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/26	22:13:56.60	0.04	0.41	48.0101	7.9622	0.7	0.6	005	17.0f		114	14	036			m i ke	LDG	90426032
2019/04/26	22:13:58.02	0.86	0.72	48.0220	8.0410				2.7	2.9	30	12	289	0.35	1.44	m i ke	BUG	90426022
2019/04/26	22:13:57.07	0.30	0.34	48.0080	7.9630	2.2	2.2	025	10.0f		20	11	106	0.20	1.48	m i ke	BGR	90426012
2019/04/26	22:13:56.82	0.05	0.16	48.0010	7.9670	0.7	0.6	353	17.0	2.0	81	38	028	0.06	1.47	m i ke	LED	90426002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.0	0.0	2 LDG	90426032
ML	2.1	0.3	14 LDG	90426032
MD	2.6	0.5	8 BUG	90426022
ML	2.4	0.2	8 BUG	90426022
ML	1.7	0.5	10 BGR	90426012
ML	1.9	0.2	30 LED	90426002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KIZ	0.06	216.1	Pg	22:14:00.050	0.2					T__				mdi ML	2.0
KIZ	0.06	216.1	Sg	22:14:02.260	0.3					T__				m__	
FBB	0.08	270.5	Pg	22:14:00.250	0.2					T__				md_ ML	2.2
FBB	0.08	270.5	Sg	22:14:02.650	0.4					T__				m__	
FREI	0.08	275.4	Pg	22:14:00.330	0.2					T__				mdi	
FREI	0.08	275.4	Sg	22:14:02.870	0.5					T__				m__	
BERGE	0.19	132.4	Pg	22:14:01.590	0.2					T__				mc_ ML	1.6
BERGE	0.19	132.4	Sg	22:14:04.870	0.3					T__				m__	
STAU	0.20	230.1	Pg	22:14:01.720	0.1					T__				mc_	
STAU	0.20	230.1	Sg	22:14:05.110	0.2					T__				m__	
VOGT	0.21	292.2	Pg	22:14:02.040	0.3					T__				mdi ML	2.5

VOGT	0.21	292.2	Sg	22:14:05.680	0.5	T__	m__		
BREM	0.24	248.6	Pg	22:14:02.660	0.4	T__	m_i		
BREM	0.24	248.6	Sg	22:14:06.960	1.0	T__	m__		
BREI	0.26	277.3	Sg	22:14:07.300	1.0	T__	m__		
ENDD	0.32	208.3	Pg	22:14:03.610	0.0	T__	mci ML	2.0	
ENDD	0.32	208.3	PmP	22:14:05.470	-0.9	T__	m__		
ENDD	0.32	208.3	Sg	22:14:08.340	0.1	T__	m__		
ENDD	0.32	208.3	SmS	22:14:10.300	-2.6	T__	m__		
METMA	0.35	146.3	Pg	22:14:03.950	-0.0	T__	md ML	1.3	
METMA	0.35	146.3	Sg	22:14:08.920	0.1	T__	m__		
A101B	0.41	73.0	Pg	22:14:05.050	0.0	___	m ML	1.9	
A101B	0.41	73.0	Sg	22:14:10.710	0.1	___	0.4		
BFO	0.41	36.2	Pg	22:14:04.970	-0.1	T__	mci ML	1.7	
BFO	0.41	36.2	Sg	22:14:10.610	-0.1	T__	m__		
SLE	0.42	123.4	Pg	22:14:05.340	0.0	T__	md ML	1.8	
SLE	0.42	123.4	PmP	22:14:06.100	-1.5	T__	m__		
SLE	0.42	123.4	Sg	22:14:11.260	0.1	T__	m__		
LOES	0.44	207.1	Pg	22:14:05.830	0.1	T__	m__		
LOES	0.44	207.1	Sg	22:14:12.170	0.4	T__	m__		
LOES	0.44	207.1	SmS	22:14:13.500	-2.0	T__	m__		
WALT	0.46	265.9	Pg	22:14:06.150	0.1	T__	mci		
WALT	0.46	265.9	Sg	22:14:12.780	0.5	T__	m__		
OFFE	0.47	0.8	Pg	22:14:06.250	0.1	T__	m__		
OFFE	0.47	0.8	Sg	22:14:12.810	0.2	T__	m__		
SULZ	0.48	168.2	Pg	22:14:06.410	0.1	T__	m ML	1.7	
SULZ	0.48	168.2	PmP	22:14:07.110	-1.4	T__	m__		
SULZ	0.48	168.2	Sg	22:14:13.181	0.3	___	m_e		
ROTE	0.49	71.8	Pg	22:14:06.580	0.0	T__	mci ML	2.3	
ROTE	0.49	71.8	Sg	22:14:13.380	0.1	T__	m__		
ROTE	0.49	71.8	SmS	22:14:14.950	-1.8	T__	m__		
OPP	0.52	16.4	Pg	22:14:06.810	-0.2	T__	mci ML	2.2	
OPP	0.52	16.4	Sg	22:14:13.590	-0.4	T__	m__		
OPP	0.52	16.4	SmS	22:14:14.890	-2.4	T__	m__		
ILLF	0.57	236.5	Pg	22:14:07.960	-0.0	T__	m__		
ILLF	0.57	236.5	Sg	22:14:16.180	0.5	T__	m__		
ILLF	0.57	236.5	SmS	22:14:16.750	-2.1	T__	m__		
WLS	0.58	315.4	Pg	22:14:08.080	-0.0	T__	mc ML	1.7	
WLS	0.58	315.4	Sg	22:14:16.110	0.2	T__	m__		
ECH	0.58	292.1	Pg	22:14:07.880	-0.3	T__	mc_		
ECH	0.58	292.1	Sg	22:14:15.690	-0.2	T__	m__		
EMING	0.60	99.9	Pg	22:14:08.500	0.0	T__	mci ML	2.1	
EMING	0.60	99.9	Sg	22:14:16.528	0.1	___	m_e		
MSS	0.69	74.7	Pg	22:14:09.960	-0.1	T__	m ML	2.0	
MSS	0.69	74.7	PmP	22:14:10.180	-1.5	T__	m__		
MSS	0.69	74.7	Sg	22:14:19.470	0.3	T__	m__		
BALST	0.69	195.5	Pg	22:14:09.982	-0.2	___	m_e ML	1.9	
BALST	0.69	195.5	Sg	22:14:19.220	-0.0	T__	m__		
STEIN	0.69	118.3	Pg	22:14:10.200	0.1	T__	m ML	2.0	
STEIN	0.69	118.3	Sg	22:14:19.810	0.5	T__	m__		
HOHE	0.73	334.2	Sn	22:14:20.330	-2.0	T__	m__		
HOHE	0.73	334.2	SmS	22:14:20.880	-2.2	T__	m__		
BABA	0.73	11.7	Pn	22:14:10.180	-1.6	T__	mc ML	2.1	
BABA	0.73	11.7	Sn	22:14:19.950	-2.4	T__	m__		
A124A	0.73	28.3	Pn	22:14:10.490	-1.3	T__	m__		

A124A	0.73	28.3	Pg	22:14:10.800	-0.2	T__	m__												
A124A	0.73	28.3	PmP	22:14:10.980	-1.5	T__	m__												
A124A	0.73	28.3	Sn	22:14:20.580	-1.8	T__	m__												
GUT	0.77	84.4	Pg	22:14:11.520	-0.1	T__	mci ML												2.1
GUT	0.77	84.4	Sg	22:14:21.780	-0.0	T__	m__												
BOURR	0.78	219.5	Pn	22:14:11.090	-1.4	T__	m__ ML												1.7
BOURR	0.78	219.5	PmP	22:14:11.940	-1.3	T__	m__												
BOURR	0.78	219.5	Sg	22:14:22.130	-0.0	T__	m__												
A100A	0.78	54.4	Pg	22:14:10.930	-0.9	---	m__ ML												2.4
A100A	0.78	54.4	Sg	22:14:21.480	-0.7	---	m__			0.3									
WALHA	0.81	107.3	Pn	22:14:12.380	-0.5	T__	m__ ML												1.9
WALHA	0.81	107.3	Sg	22:14:23.810	0.7	---	m__												
FREU	0.82	72.8	Pn	22:14:11.650	-1.3	T__	m__ ML												1.7
FREU	0.82	72.8	Pg	22:14:12.250	-0.2	T__	m__												
FREU	0.82	72.8	PmP	22:14:12.470	-1.4	T__	m__												
FREU	0.82	72.8	SmS	22:14:23.660	-1.8	---	m__												
A102A	0.84	80.0	Pg	22:14:12.670	-0.1	---	m__ ML												2.1
A102A	0.84	80.0	Sg	22:14:23.970	0.2	---	m__			0.1									
WILA	0.86	132.5	PmP	22:14:13.300	-1.3	T__	m__ ML												2.1
WILA	0.86	132.5	SmS	22:14:25.390	-1.5	T__	m__												
TUBL	0.91	54.5	PmP	22:14:13.900	-1.5	---	m__ ML												1.8
GALG	0.95	34.2	Pn	22:14:13.150	-1.7	T__	m__ ML												1.8
GALG	0.95	34.2	PmP	22:14:14.630	-1.6	---	m__												
GALG	0.95	34.2	Sg	22:14:27.010	-0.5	T__	m__												
ROMAN	1.02	114.9	Sg	22:14:29.560	0.0	T__	m__ ML												2.1
BUCH	1.03	63.6	Pn	22:14:14.500	-1.3	T__	m__ ML												1.7
A103C	1.06	100.9	Pg	22:14:16.790	-0.2	---	m__ ML												2.5
A103C	1.06	100.9	Sg	22:14:30.810	0.0	---	m__			0.3									
A103D	1.08	100.1	Sg	22:14:31.510	0.0	---	m__												
A109A	1.09	65.4	Pg	22:14:17.180	-0.3	---	m__ ML												2.1
A109A	1.09	65.4	Sg	22:14:31.170	-0.5	---	m__			0.1									
BRET	1.12	25.0	Sg	22:14:31.910	-0.8	T__	m__ ML												1.9
A104C	1.14	83.0	Sg	22:14:33.300	0.1	---	m__												
CHMF	1.16	230.2	Pn	22:14:16.050	-1.6	T__	m__ ML												1.6
CHMF	1.16	230.2	Pg	22:14:18.330	-0.6	T__	m__												
A108A	1.29	73.7	Pg	22:14:22.020	0.7	---	m__ ML												2.3
A108A	1.29	73.7	Sg	22:14:37.640	-0.5	---	m__			0.1									
URBA	1.36	51.5	Pn	22:14:18.640	-1.7	---	m__ ML												1.9
A106B	1.39	56.5	Pg	22:14:22.600	-0.5	---	m__ ML												2.2
A106B	1.39	56.5	Sg	22:14:40.770	-0.4	---	m__			0.1									
UBR	1.47	101.8	Pg	22:14:26.100	1.4	---	m__ ML												1.6
UBR	1.47	101.8	Sg	22:14:43.460	-0.4	---	m__												
A107C	1.49	88.5	Pg	22:14:25.400	0.3	---	m__												
A107C	1.49	88.5	Sg	22:14:44.400	-0.1	---	m__			0.3									

Event 90426001 Emmendingen/Upper Rhine Graben, N of Freiburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/26	23:15:24.60	0.04	0.50	48.0096	7.9556	0.9	0.8	010	17.0f		118	14	026			m i ke	LDG	90426031
2019/04/26	23:15:24.23	1.08	0.56	48.0270	7.9540				5.1	3.9	15	9	297	0.39	1.50	m i ke	BUG	90426021
2019/04/26	23:15:25.04	0.30	0.34	48.0120	7.9550	2.2	2.2	071	10.0f		20	11	107	0.20	1.12	m i ke	BGR	90426011
2019/04/26	23:15:24.83	0.05	0.16	48.0020	7.9660	0.7	0.6	005	17.0	2.0	73	40	027	0.06	1.36	m i ke	LED	90426001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.1	0.0	2 LDG	90426031
ML	2.2	0.4	12 LDG	90426031
MD	2.6	0.3	6 BUG	90426021
ML	2.4	0.4	6 BUG	90426021
ML	1.7	0.4	9 BGR	90426011
ML	1.7	0.2	28 LED	90426001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KIZ	0.06	215.0	Pg	23:15:28.080	0.2					T__				mdi	ML 2.0
KIZ	0.06	215.0	Sg	23:15:30.290	0.3					T__				m__	
FBB	0.08	269.7	Pg	23:15:28.300	0.3					T__				mdi	
FBB	0.08	269.7	Sg	23:15:30.690	0.4					T__				m__	
FREI	0.08	274.8	Pg	23:15:28.370	0.3					T__				mdi	
BERGE	0.19	132.5	Pg	23:15:29.650	0.2					T__				mc_	ML 1.6
BERGE	0.19	132.5	Sg	23:15:32.900	0.3					T__				m__	
STAU	0.20	229.7	Pg	23:15:29.760	0.1					T__				mdi	
STAU	0.20	229.7	Sg	23:15:33.150	0.2					T__				m__	
VOGT	0.21	292.0	Pg	23:15:30.080	0.3					T__				mdi	ML 2.3
VOGT	0.21	292.0	Sg	23:15:33.660	0.5					T__				m__	
BREM	0.24	248.3	Pg	23:15:30.700	0.4					T__				mdi	
BREM	0.24	248.3	Sg	23:15:35.010	1.0					T__				m__	
BREI	0.26	277.1	Pg	23:15:30.860	0.4					T__				m__	
ENDD	0.33	208.2	Pg	23:15:31.650	0.0					T__				m__	ML 1.9
ENDD	0.33	208.2	PmP	23:15:32.660	-1.7					T__				m__	
ENDD	0.33	208.2	Sg	23:15:36.400	0.2					T__				m__	
ENDD	0.33	208.2	SmS	23:15:38.460	-2.4					T__				m__	
METMA	0.35	146.3	Pg	23:15:31.990	0.0					T__				mci	ML 1.4
METMA	0.35	146.3	Sg	23:15:36.860	-0.0					T__				m__	
A101B	0.41	73.2	Pg	23:15:33.110	0.1					___				m__	ML 2.1
A101B	0.41	73.2	Sg	23:15:38.770	0.1					___		0.4		m__	
BFO	0.41	36.3	Pg	23:15:33.020	-0.0					T__				mc_	ML 1.6
BFO	0.41	36.3	Sg	23:15:38.640	-0.0					T__				m__	
SLE	0.43	123.5	Pg	23:15:33.400	0.1					T__				mdi	ML 1.6
SLE	0.43	123.5	Sg	23:15:39.380	0.2					T__				m__	
LOES	0.45	207.0	Pg	23:15:33.980	0.3					T__				m__	
WALT	0.46	265.8	Pg	23:15:34.210	0.2					T__				md_	
WALT	0.46	265.8	Sg	23:15:40.870	0.6					T__				m__	
OFFE	0.47	0.9	Pg	23:15:34.240	0.1					T__				m__	
OFFE	0.47	0.9	Sg	23:15:40.850	0.3					T__				m__	
OFFE	0.47	0.9	SmS	23:15:42.240	-2.0					T__				m__	
SULZ	0.48	168.2	Pg	23:15:34.440	0.1					T__				m__	ML 1.7
SULZ	0.48	168.2	PmP	23:15:35.080	-1.4					T__				m__	
SULZ	0.48	168.2	Sg	23:15:41.470	0.5					T__				m__	
SULZ	0.48	168.2	SmS	23:15:42.600	-1.9					T__				m__	
ROTE	0.49	71.9	Pg	23:15:34.640	0.1					T__				mc_	ML 2.2
ROTE	0.49	71.9	Sg	23:15:41.400	0.1					T__				m__	
OPP	0.52	16.5	Pg	23:15:34.870	-0.1					T__				mci	ML 2.1
OPP	0.52	16.5	Sg	23:15:41.750	-0.2					T__				m__	
ILLF	0.57	236.4	Pg	23:15:35.960	-0.1					T__				m__	
ILLF	0.57	236.4	Sg	23:15:44.130	0.4					T__				m__	
WLS	0.58	315.4	Pg	23:15:36.180	0.1					T__				m__	ML 1.5



## Event 90427002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/27	04:02:17.88	0.76	2.29	51.3412	15.9237	7.0	5.3	059	0.0	0.0	24	7	018			m i sr	ZAMG	90427012
2019/04/27	04:02:15.65	0.31	0.92	51.5140	16.1550	4.4	2.2	015	1.0f		48	17	201	0.68	3.62	m i ki	BGR	90427002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	17 ZAMG	90427012
ML	3.4	0.3	16 BGR	90427002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	172.6	Pg	04:02:28.932	0.5					T__				m_e ML	2.6
KSP	0.68	172.6	Sg	04:02:37.558	0.4					T__				m_e	
DPC	1.17	174.8	Pg	04:02:37.811	0.1					T__				m_e ML	3.8
DPC	1.17	174.8	Sg	04:02:53.782	1.0					T__				m_e	
BRG	1.53	246.1	Pn	04:02:44.192	0.9					T__				m_e ML	3.3
BRG	1.53	246.1	Pg	04:02:44.477	0.1					T__				m_e	
BRG	1.53	246.1	Sg	04:03:05.095	0.9					T__				m_e	
FBE	1.85	252.4	Pn	04:02:49.867	2.2					T__				m_e ML	3.1
FBE	1.85	252.4	Sg	04:03:14.795	0.3					T__				m_e	
MORC	1.95	152.6	Pn	04:02:49.047	0.1					T__				m_e ML	3.6
MORC	1.95	152.6	Pg	04:02:52.545	0.2					T__				m_e	
MORC	1.95	152.6	Sg	04:03:17.790	0.3					T__				m_e	
CLL	1.98	265.2	Pn	04:02:48.517	-0.9					T__				m_e ML	3.2
CLL	1.98	265.2	Pg	04:02:52.010	-0.9					T__				m_e	
CLL	1.98	265.2	Sg	04:03:18.717	0.3					T__				m_e	
OKC	2.10	142.2	Pn	04:02:50.437	-0.6					T__				m_e ML	3.0
OKC	2.10	142.2	Pg	04:02:54.791	-0.4					T__				m_e	
OKC	2.10	142.2	Sg	04:03:21.401	-0.9					T__				m_e	
TANN	2.57	246.2	Pn	04:02:57.745	0.3					T__				m_e ML	3.5
TANN	2.57	246.2	Pg	04:03:04.024	-0.1					T__				m_e	
TANN	2.57	246.2	Sg	04:03:37.729	0.4					T__				m_e	
OJC	2.64	118.0	Pn	04:02:56.890	-1.5					T__				m_e	
OJC	2.64	118.0	Pg	04:03:04.701	-0.7					T__				m_e	
OJC	2.64	118.0	Sg	04:03:41.080	1.6					T__				m_e	
WERD	2.65	247.7	Pn	04:02:58.530	0.1					T__				m_e ML	3.4
WERD	2.65	247.7	Pg	04:03:05.521	-0.0					T__				m_e	
WERD	2.65	247.7	Sg	04:03:40.509	0.8					T__				m_e	
MOX	2.98	254.8	Pn	04:03:02.701	-0.3					T__				m_e ML	3.7
MOX	2.98	254.8	Pg	04:03:11.510	-0.3					T__				m_e	
MOX	2.98	254.8	Sg	04:03:51.667	1.3					T__				m_e	
MANZ	2.98	240.8	Pn	04:03:03.731	0.7					T__				m_e ML	3.7
MANZ	2.98	240.8	Pg	04:03:12.187	0.4					T__				m_e	
MANZ	2.98	240.8	Sg	04:03:51.028	0.7					T__				m_e	
ROTZ	3.05	236.6	Pn	04:03:04.230	0.3					T__				m_e ML	3.4
ROTZ	3.05	236.6	Pg	04:03:11.831	-1.3					T__				m_e	
ROTZ	3.05	236.6	Sg	04:03:51.028	-1.6					T__				m_e	
GEC2	3.10	211.4	Pn	04:03:05.303	0.7					T__				m_e ML	3.5
GEC2	3.10	211.4	Pg	04:03:12.651	-1.4					T__				m_e	
GEC2	3.10	211.4	Sg	04:03:53.891	-0.1					T__				m_e	
WET	3.16	222.7	Pn	04:03:06.272	0.8					T__				m_e ML	3.4
WET	3.16	222.7	Pg	04:03:13.114	-2.1					T__				m_e	
WET	3.16	222.7	Sg	04:03:55.208	-0.8					T__				m_e	

CLZ	3.60	277.5	Pn	04:03:12.081	0.7	T__	m_e	ML	3.5
CLZ	3.60	277.5	Pg	04:03:22.347	-1.1	T__	m_e		
CLZ	3.60	277.5	Sg	04:04:09.793	-0.2	T__	m_e		
GRA1	3.62	241.7	Pn	04:03:12.548	0.9	T__	m_e	ML	4.1
GRA1	3.62	241.7	Pg	04:03:25.663	1.8	T__	m_e		
GRA1	3.62	241.7	Sg	04:04:11.041	0.4	T__	m_e		

Event 90428002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/28	05:40:56.32	0.60	0.94	51.4906	15.9370	5.2	2.5	044	0.0	0.0	33	16	018			m i sr	ZAMG	90428012
2019/04/28	05:40:56.20	0.42	0.80	51.5420	16.0920	5.6	3.3	020	1.0f		30	16	225	0.71	3.60	m i ki	BGR	90428002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	15 ZAMG	90428012
ML	3.0	0.3	16 BGR	90428002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.71	169.7	Pg	05:41:09.808	0.2					T__				m_e	ML 2.3
KSP	0.71	169.7	Sg	05:41:19.696	0.9					T__				m_e	
DPC	1.20	173.0	Pg	05:41:18.588	-0.2					T__				m_e	ML 3.3
DPC	1.20	173.0	Sg	05:41:34.502	0.2					T__				m_e	
BRG	1.50	244.4	Pn	05:41:23.877	0.3					T__				m_e	ML 2.9
BRG	1.50	244.4	Pg	05:41:24.423	-0.1					T__				m_e	
BRG	1.50	244.4	Sg	05:41:44.472	0.5					T__				m_e	
FBE	1.82	251.2	Pn	05:41:28.308	0.4					T__				m_e	ML 2.6
FBE	1.82	251.2	Sg	05:41:53.388	-0.7					T__				m_e	
CLL	1.94	264.3	Pn	05:41:28.594	-0.9					T__				m_e	ML 2.8
MORC	1.99	151.9	Pn	05:41:30.112	-0.0					T__				m_e	ML 3.4
OKC	2.14	141.8	Pn	05:41:29.321	-2.9					T__				m_e	ML 2.8
OKC	2.14	141.8	Sg	05:42:04.768	0.4					T__				m_e	
TANN	2.55	245.2	Pn	05:41:37.829	0.1					T__				m_e	ML 3.2
TANN	2.55	245.2	Sg	05:42:16.646	-0.5					T__				m_e	
WERD	2.62	246.8	Pn	05:41:38.638	-0.1					T__				m_e	ML 2.9
WERD	2.62	246.8	Sg	05:42:19.604	0.1					T__				m_e	
MOX	2.95	254.0	Pn	05:41:43.091	-0.1					T__				m_e	ML 3.4
MOX	2.95	254.0	Sg	05:42:30.850	0.9					T__				m_e	
MANZ	2.96	239.9	Pn	05:41:43.497	0.2					T__				m_e	ML 3.2
MANZ	2.96	239.9	Sg	05:42:31.315	1.1					T__				m_e	
ROTZ	3.04	235.7	Pn	05:41:44.609	0.3					T__				m_e	ML 3.0
ROTZ	3.04	235.7	Sg	05:42:33.130	0.5					T__				m_e	
GEC2	3.10	210.5	Pn	05:41:46.192	1.0					T__				m_e	ML 3.1
GEC2	3.10	210.5	Sg	05:42:33.233	-1.5					T__				m_e	
WET	3.15	221.8	Pn	05:41:46.372	0.4					T__				m_e	ML 3.0
WET	3.15	221.8	Sg	05:42:36.194	-0.2					T__				m_e	
CLZ	3.56	277.1	Pn	05:41:51.914	0.5					T__				m_e	ML 3.1
CLZ	3.56	277.1	Sg	05:42:48.801	-0.4					T__				m_e	
GRA1	3.60	241.0	Pn	05:41:52.643	0.7					T__				m_e	ML 3.7



Event 90430006 Southern Tuxer Alps/A, S of Innsbruck

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2019/04/30	11:44:33.88	0.13	0.81	47.0780	11.3287	0.8	0.8	110	9.6	1.5	40	13	029			m i fe	ZAMG	90430016
2019/04/30	11:44:34.58	0.47	1.02	47.0180	11.3720	7.8	3.3	001	10.0f		19	13	197	0.30	2.43	m i ke	BGR	90430006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	17 ZAMG	90430016
ML	2.1	0.3	10 BGR	90430006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.30	36.1	Pg	11:44:39.803	-0.8					T__				m_e	ML 1.6
WTTA	0.30	36.1	Sg	11:44:43.310	-1.4					T__				m_e	
DAVA	1.05	285.4	Sg	11:45:10.102	2.1					T__				m_e	ML 2.0
UBR	1.08	308.2	Pg	11:44:55.581	0.5					T__				m_e	ML 2.3
UBR	1.08	308.2	Sg	11:45:09.548	0.5					T__				m_e	
FUR	1.15	356.8	Sg	11:45:12.506	1.4					T__				m_e	ML 2.3
RJOB	1.20	52.8	Pg	11:44:57.499	0.2					T__				m_e	ML 1.9
RJOB	1.20	52.8	Sg	11:45:14.927	2.0					T__				m_e	
KBA	1.35	86.7	Pg	11:44:59.794	-0.2					T__				m_e	ML 1.9
KBA	1.35	86.7	Sg	11:45:16.805	-0.6					T__				m_e	
WALHA	1.69	296.6	Pg	11:45:05.960	-0.5					T__				m_e	ML 2.0
WALHA	1.69	296.6	Sg	11:45:28.450	0.1					T__				m_e	
WILA	1.72	284.2	Pg	11:45:07.079	0.0					T__				m_e	
NORI	1.77	343.9	Sg	11:45:29.947	-1.1					T__				m_e	ML 2.4
EMING	1.92	298.1	Sg	11:45:34.747	-0.9					T__				m_e	ML 2.2
SLE	2.09	292.1	Sg	11:45:40.770	-0.2					T__				m_e	ML 2.6
BERGE	2.32	292.7	Sg	11:45:47.889	-0.5					T__				m_e	
BFO	2.43	303.8	Pg	11:45:21.853	1.4					T__				m_e	
BFO	2.43	303.8	Sg	11:45:50.702	-1.2					T__				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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