

MONTHLY BULLETIN of REGIONAL and TELESEISMIC EVENTS RECORDED with GRF- and GRSN-STATIONS in GERMANY

(produced by SZO/BGR - HANNOVER)

July 2018 UPDATED 01.October 2020

Please note that local events recorded in Germany are part of the "LOCAL BULLETIN".

Event 80701001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/01	06:28:54.50			-20.3900	-178.4500				604.0			27		145.85	151.91	m i ke	EMSC
80701033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.60		PKPbc	06:47:37.325	0.3	18.2		2.42		TAS					m_e
BFO	151.59		PKPbc	06:47:41.006		18.2		2.42		TAS					m_e
BRG	148.05		PKPbc	06:47:33.153	0.1	18.2		2.42		TAS					m_e
BSEG	145.85		PKPbc	06:47:27.112	-0.1	18.2		2.42		TAS					m_e
CLL	147.86		PKPbc	06:47:32.428	0.1	18.2		2.42		TAS					m_e
CLZ	147.86		PKPbc	06:47:32.602	0.3	18.2		2.42		TAS					m_e
FLT1	147.24		PKPbc	06:47:30.459	0.0	18.2		2.42		TAS					m_e
FUR	151.20		PKPbc	06:47:40.435		18.2		2.42		TAS					m_e
GEC2	149.98		PKPbc	06:47:37.600		18.2		2.42		TAS					m_e
GRA1	149.76		PKPbc	06:47:37.268	-0.5	18.2		2.42		TAS					m_e
GTTG	148.21		PKPbc	06:47:33.531	0.2	18.2		2.42		TAS					m_e
IBBN	147.78		PKPbc	06:47:32.310	0.2	18.2		2.42		TAS					m_e
KAST	148.78		PKPbc	06:47:34.806	0.5	18.2		2.42		TAS					m_e
MANZ	149.30		PKPbc	06:47:36.221	-0.1	18.2		2.42		TAS					m_e
MOX	148.78		PKPbc	06:47:34.727	0.1	18.2		2.42		TAS					m_e
NEUB	148.22		PKPbc	06:47:33.571	0.4	18.2		2.42		TAS					m_e
NRDL	147.27		PKPbc	06:47:30.910	-0.5	18.2		2.42		TAS					m_e
RETH	147.15		PKPbc	06:47:30.617	-0.1	18.2		2.42		TAS					m_e
RJOB	151.24		PKPbc	06:47:40.199		18.2		2.42		TAS					m_e
ROTZ	149.48		PKPbc	06:47:36.441	-0.5	18.2		2.42		TAS					m_e
RUE	146.59		PKPbc	06:47:29.278	0.2	18.2		2.42		TAS					m_e
TANN	148.82		PKPbc	06:47:35.079	0.3	18.2		2.42		TAS					m_e

./bull1807.txt

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TNS	149.73	PKPbc	06:47:37.088	0.0	18.2	2.42	TAS	m_e
UBBA	148.91	PKPbc	06:47:34.727	0.3	18.2	2.42	TAS	m_e
UBR	151.91	PKPbc	06:47:41.832		18.2	2.42	TAS	m_e
WET	149.91	PKPbc	06:47:37.442	-0.3	18.2	2.42	TAS	m_e
WLF	150.56	PKPbc	06:47:39.529	-0.1	18.2	2.42	TAS	m_e

Event 80701003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2018/07/01	17:27:09.85			42.9600	139.9200				33.0			24		74.28	79.60	m i ke	BGR
80701009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80701009
Ms	4.4		BGR	80701009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.21		P	17:39:05.600		35.6		5.63		TAS		16.6	0.98	m_e mb	5.1
BFO	79.60		P	17:39:12.758	0.1	35.6		5.63		TAS		11.2	0.79	m_e mb	4.8
BRG	75.40		P	17:38:50.059	-0.0	35.6		5.63		TAS		9.0	0.93	m_e mb	4.8
BSEG	74.28		P	17:38:43.949		35.6		5.63		TAS		29.2	0.85	m_e mb	5.3
CLL	75.42		P	17:38:49.977	0.3	35.6		5.63		TAS		19.4	0.89	m_e mb	5.1
CLZ	75.96		P	17:38:53.228	0.1	35.6		5.63		TAS		23.0	0.84	m_e mb	5.3
FLT1	75.25		P	17:38:48.758	0.3	35.6		5.63		TAS		30.0	0.83	m_e mb	5.4
FUR	78.61		P	17:39:08.331	0.2	35.6		5.63		TAS		30.5	0.82	m_e mb	5.4
GEC2	77.10		P	17:38:59.657	-0.0	35.6		5.63		TAS		8.3	0.77	m_e mb	4.9
GOR1	74.70		P	17:38:46.333	0.1	35.6		5.63		TAS		31.0	1.19	m_e mb	5.2
GRA1	77.39		P	17:39:01.558	-0.3	35.6		5.63		TAS		26.6	0.82	m_e mb	5.4
GRA1	77.39		L	18:17:08.023						T__		177.9	19.90	a_e Ms	4.4
GTTG	76.35		P	17:38:55.192	-0.1	35.6		5.63		TAS		16.9	0.80	m_e mb	5.2
IBBN	76.50		P	17:38:56.145		35.6		5.63		TAS		28.2	0.89	m_e mb	5.4
KAST	77.19		P	17:39:00.046		35.6		5.63		TAS				m_e	
MANZ	76.82		P	17:38:58.036	-0.4	35.6		5.63		TAS		2.1	0.89	m_e mb	4.3
MOX	76.47		P	17:38:55.751	-0.3	35.6		5.63		TAS		9.3	0.91	m_e mb	4.9
MOX	76.47		L	18:16:29.487						T__		174.8	19.70	a_e Ms	4.4
NEUB	75.97		P	17:38:53.160	-0.9	35.6		5.63		TAS		29.2	0.92	m_e mb	5.4
RETH	75.59		P	17:38:50.700		35.6		5.63		TAS		15.2	0.91	m_e mb	5.1
RJOB	78.35		P	17:39:07.207	0.5	35.6		5.63		TAS		20.8	0.85	m_e mb	5.3
ROTZ	76.95		P	17:38:59.120	0.3	35.6		5.63		TAS		2.6	0.90	m_e mb	4.4
STU	78.91		P	17:39:09.482	-0.4	35.6		5.63		TAS		68.4	0.90	m_e mb	5.7
TANN	76.34		P	17:38:54.989	-0.2	35.6		5.63		TAS		6.6	1.03	m_e mb	4.7
WET	77.19		P	17:39:00.474	0.3	35.6		5.63		TAS		15.7	0.92	m_e mb	5.1
WLF	79.27		P	17:39:12.508		35.6		5.63		TAS		12.9	0.96	m_e mb	4.9

Event 80701004 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/01	20:45:47.73			48.1500	144.8800				383.0			30		71.27	76.78	m i ke	BGR
OrigID 80701010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	80701010
MBB	5.8		BGR	80701010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.21		P	20:56:49.988	-0.1	30.3		5.71		TAS		81.8	1.03	m_e	MBB	5.8
BFO	76.78		P	20:56:58.504	-0.5	30.3		5.71		TAS		62.3	0.90	m_e	MBB	5.8
BRG	72.75		P	20:56:35.538	0.1	30.3		5.71		TAS		30.3	0.65	m_e	MBB	5.5
BSEG	71.27		P	20:56:27.395	0.1	30.3		5.71		TAS		53.7	0.78	m_e	MBB	5.8
BUG	74.36		P	20:56:45.105	-0.3	30.3		5.71		TAS		45.5	0.87	m_e	MBB	5.7
CLL	72.69		P	20:56:35.106	-0.3	30.3		5.71		TAS		176.6	0.89	m_e	MBB	6.4
CLZ	73.07		P	20:56:38.164	-0.4	30.3		5.71		TAS		87.0	1.02	m_e	MBB	6.0
FLT1	72.38		P	20:56:33.277	0.1	30.3		5.71		TAS		75.1	0.77	m_e	MBB	6.0
FUR	75.97		P	20:56:54.421		30.3		5.71		TAS		152.2	0.77	m_e	MBB	6.3
GEC2	74.56		P	20:56:46.160	0.2	30.3		5.71		TAS		51.0	0.67	m_e	MBB	5.8
GOR1	71.79		P	20:56:30.545	0.0	30.3		5.71		TAS		53.8	0.95	m_e	MBB	6.0
GRA1	74.66		P	20:56:47.297	-0.1	30.3		5.71		TAS		140.9	0.77	m_e	mb	6.1
GTTG	73.45		P	20:56:39.930	0.1	30.3		5.71		TAS		64.9	1.00	m_e	MBB	5.8
IBBN	73.45		P	20:56:39.930	0.5	30.3		5.71		TAS		70.9	0.76	m_e	MBB	6.1
KAST	74.23		P	20:56:44.363	-0.3	30.3		5.71		TAS		39.4	0.78	m_e	MBB	5.6
MANZ	74.12		P	20:56:43.630	0.5	30.3		5.71		TAS		6.4	0.77	m_e	MBB	4.9
MOX	73.71		P	20:56:41.318	0.1	30.3		5.71		TAS		39.2	0.95	m_e	MBB	5.6
NEUB	73.19		P	20:56:38.031	-0.1	30.3		5.71		TAS		96.4	0.89	m_e	MBB	6.1
NRDL	72.59		P	20:56:34.916	0.1	30.3		5.71		TAS		33.6	0.75	m_e	MBB	5.7
RETH	72.60		P	20:56:35.077	-0.1	30.3		5.71		TAS		72.1	1.10	m_e	MBB	6.0
RJOB	75.82		P	20:56:53.776		30.3		5.71		TAS		80.1	0.73	m_e	MBB	5.9
ROTZ	74.27		P	20:56:44.746	0.5	30.3		5.71		TAS		8.7	0.87	m_e	MBB	5.0
RUE	71.44		P	20:56:28.327	-0.5	30.3		5.71		TAS		92.0	0.84	m_e	MBB	6.2
STU	76.12		P	20:56:55.000	0.4	30.3		5.71		TAS		224.2	0.82	m_e	MBB	6.3
TANN	73.63		P	20:56:40.892	0.2	30.3		5.71		TAS		16.1	0.84	m_e	MBB	5.2
TNS	75.08		P	20:56:49.249	-0.1	30.3		5.71		TAS		55.5	0.78	m_e	MBB	5.7
UBBA	74.08		P	20:56:43.180	-0.0	30.3		5.71		TAS		19.6	0.64	m_e	MBB	5.5
UBR	76.78		P	20:56:58.383		30.3		5.71		TAS		29.2	0.74	m_e	MBB	5.6
WET	74.58		P	20:56:46.835	-0.4	30.3		5.71		TAS		102.0	0.90	m_e	MBB	5.9
WLF	76.26		P	20:56:55.803	0.0	30.3		5.71		TAS		24.0	0.77	m_e	MBB	5.3

Event 80702005 Hokkaido, Japan, region

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

2018/07/02 11:53:22.98 41.8130 143.2390 33.0 28 76.43 81.81 m i ke BGR 80702011

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 80702011
Ms 4.6 BGR 80702011

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for various stations like AHRW, BFO, BRG, etc.

Event 80702006 Fiji Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/07/02 17:15:10.50 -21.1100 -178.4500 467.0 7 146.55 152.60 m i ke EMSC 80702038

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.31		PKPbc	17:34:07.651	-0.2	18.6		2.39		TAS				m_e	
BFO	152.30		PKPbc	17:34:12.106	-0.3	18.6		2.39		TAS				m_e	
BFO	152.30		PKPab	17:34:24.324		15.4		4.33		TAS				m_e	
BRG	148.74		PKPbc	17:34:04.217	0.1	18.6		2.39		TAS				m_e	
BSEG	146.55		PKPbc	17:33:58.430	-0.3	18.6		2.39		TAS				m_e	
BUG	149.40		PKPbc	17:34:05.478	-0.2	18.6		2.39		TAS				m_e	
CLL	148.56		PKPbc	17:34:03.642	0.1	18.6		2.39		TAS				m_e	
CLZ	148.57		PKPbc	17:34:03.940	0.4	18.6		2.39		TAS				m_e	
FLT1	147.94		PKPbc	17:34:01.808	-0.2	18.6		2.39		TAS				m_e	
FUR	151.90		PKPbc	17:34:11.397	-0.2	18.6		2.39		TAS				m_e	
GEC2	150.67		PKPbc	17:34:08.763	-0.1	18.6		2.39		TAS				m_e	
GEC2	150.67		PKPab	17:34:17.910		15.4		4.33		TAS				m_e	
GOR1	147.30		PKPbc	17:34:00.474	-0.0	18.6		2.39		TAS				m_e	
GRA1	150.46		PKPbc	17:34:08.277	0.2	18.6		2.39		TAS				a_e	
GTTG	148.92		PKPbc	17:34:04.688	0.3	18.6		2.39		TAS				m_e	
HLG	146.63		PKPbc	17:33:58.727	-0.3	18.6		2.39		TAS				a_e	
IBBN	148.49		PKPbc	17:34:03.453	-0.0	18.6		2.39		TAS				m_e	
IBBN	148.49		PKPab	17:34:07.926	0.1	15.4		4.33		TAS				m_e	
KAST	149.49		PKPbc	17:34:06.016	0.2	18.6		2.39		TAS				m_e	
MANZ	149.99		PKPbc	17:34:07.316	0.3	18.6		2.39		TAS				m_e	
MOX	149.48		PKPbc	17:34:05.892	0.2	18.6		2.39		TAS				m_e	
NEUB	148.92		PKPbc	17:34:04.606	0.2	18.6		2.39		TAS				m_e	
NRDL	147.98		PKPbc	17:34:01.976	-0.2	18.6		2.39		TAS				m_e	
RETH	147.86		PKPbc	17:34:01.798	-0.1	18.6		2.39		TAS				m_e	
RJOB	151.93		PKPbc	17:34:11.101	-0.6	18.6		2.39		TAS				m_e	
RJOB	151.93		PKPab	17:34:23.694		15.4		4.33		TAS				m_e	
ROTZ	150.18		PKPbc	17:34:07.615	0.1	18.6		2.39		TAS				m_e	
ROTZ	150.18		PKPab	17:34:15.767		15.4		4.33		TAS				m_e	
RUE	147.29		PKPbc	17:34:00.343	-0.2	18.6		2.39		TAS				m_e	
STU	151.73		PKPbc	17:34:11.214	0.1	18.6		2.39		TAS				m_e	
TANN	149.51		PKPbc	17:34:06.193	0.3	18.6		2.39		TAS				m_e	
TNS	150.44		PKPbc	17:34:08.156	0.1	18.6		2.39		TAS				m_e	
TNS	150.44		PKPab	17:34:16.520		15.4		4.33		TAS				m_e	
UBBA	149.62		PKPbc	17:34:06.057	0.0	18.6		2.39		TAS				m_e	
UBR	152.60		PKPbc	17:34:12.933	-0.3	18.6		2.39		TAS				m_e	
WET	150.60		PKPbc	17:34:08.572	0.0	18.6		2.39		TAS				m_e	
WET	150.60		PKPab	17:34:17.849		15.4		4.33		TAS				m_e	
WLF	151.27		PKPbc	17:34:10.558	0.4	18.6		2.39		TAS				m_e	

Event 80703001 Mindoro, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/03	04:25:48.74			13.0400	121.7310				141.0				33	90.36	95.91	m i ke	BGR
80703007																	

Magnitude Err Nsta Author OrigID
 mb 5.4 BGR 80703007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	94.98		P	04:38:53.934		66.0		4.59		TAS		59.3	1.89	m_e mb	5.7
BFO	95.24		P	04:38:54.825		66.0		4.59		TAS		14.3	1.17	m_e mb	5.3
BRG	90.87		P	04:38:35.368	-0.4	66.0		4.59		TAS		27.7	0.94	m_e mb	5.6
BSEG	91.70		P	04:38:39.178	0.1	66.0		4.59		TAS		24.3	0.91	m_e mb	5.5
BUG	94.46		P	04:38:51.901		66.0		4.59		TAS		17.0	1.05	m_e mb	5.3
CLL	91.25		P	04:38:36.730	0.1	66.0		4.59		TAS		20.3	1.01	m_e mb	5.4
CLZ	92.54		P	04:38:43.145	-0.1	66.0		4.59		TAS		27.3	1.16	m_e mb	5.6
FLT1	91.86		P	04:38:39.105	-0.2	66.0		4.59		TAS		32.1	1.43	m_e mb	5.4
FUR	93.53		P	04:38:47.949	-0.1	66.0		4.59		TAS		38.3	1.07	m_e mb	5.7
GEC2	91.77		P	04:38:39.618	-0.7	66.0		4.59		TAS		21.2	1.02	m_e mb	5.4
GOR1	91.55		P	04:38:38.662	0.1	66.0		4.59		TAS		68.0	1.51	m_e mb	5.8
GTTG	92.90		P	04:38:44.899	0.2	66.0		4.59		TAS		27.6	1.11	m_e mb	5.6
IBBN	93.79		P	04:38:48.983	0.2	66.0		4.59		TAS		30.3	1.09	m_e mb	5.5
KAST	93.92		P	04:38:49.616	-0.2	66.0		4.59		TAS		41.3	1.77	m_e mb	5.5
MANZ	92.29		P	04:38:42.217	0.5	66.0		4.59		TAS		4.6	1.26	m_e mb	4.7
MOA	91.79		P	04:38:39.682	-0.1	66.0		4.59		TAS		39.6	0.98	m_e mb	5.7
MOX	92.32		P	04:38:41.973	0.1	66.0		4.59		TAS		25.2	1.30	m_e mb	5.4
NEUB	92.01		P	04:38:40.366	0.1	66.0		4.59		TAS		29.2	1.14	m_e mb	5.5
NRDL	92.42		P	04:38:42.525	-0.2	66.0		4.59		TAS		15.6	1.01	m_e mb	5.3
OBKA	92.10		P	04:38:40.787	-0.6	66.0		4.59		TAS		10.5	0.82	m_e mb	5.2
RETH	92.72		P	04:38:43.679	-0.2	66.0		4.59		TAS		44.2	1.91	m_e mb	5.6
RJOB	92.75		P	04:38:43.890	0.4	66.0		4.59		TAS		21.1	1.05	m_e mb	5.5
ROTZ	92.32		P	04:38:42.487	0.1	66.0		4.59		TAS		7.5	1.15	m_e mb	4.9
RUE	90.36		P	04:38:33.253	0.0	66.0		4.59		TAS		59.8	0.90	m_e mb	5.8
STU	94.53		P	04:38:52.317		66.0		4.59		TAS		65.4	1.12	m_e mb	6.0
TANN	91.92		P	04:38:40.069	-0.2	66.0		4.59		TAS		18.5	1.15	m_e mb	5.3
TNS	94.34		P	04:38:51.311	-0.6	66.0		4.59		TAS		29.9	1.32	m_e mb	5.5
UBBA	93.19		P	04:38:45.780	0.1	66.0		4.59		TAS		23.9	1.37	m_e mb	5.4
UBR	94.44		P	04:38:51.620	0.2	66.0		4.59		TAS		26.6	1.02	m_e mb	5.5
WET	92.16		P	04:38:41.392	0.3	66.0		4.59		TAS		30.2	1.41	m_e mb	5.4
WLF	95.91		P	04:38:58.688		66.0		4.59		TAS		36.1	1.13	m_e mb	5.8
WTTA	93.66		P	04:38:48.049	0.1	66.0		4.59		TAS		50.9	0.98	m_e mb	5.8

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 19:38:50.96 0.23 0.53 51.4710 16.1050 2.2 1.1 25 1.0 50 175 1.13 5.68 m i ki BGR
 80703011

Magnitude Err Nsta Author OrigID
 ML 4.1 BGR 80703011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABG1	2.28		Sg	19:40:03.332	0.1					T__				m_e	
BRG	1.49		Pn	19:39:17.924	-0.0					T__				m_e	ML 3.8
BRG	1.49		Pg	19:39:18.860	-0.1					T__				m_e	
CHRS	3.30		Pn	19:39:42.492	0.0					T__				m_e	ML 3.7
CHRS	3.30		Pg	19:39:52.211	-0.9					T__				m_e	
CHRS	3.30		Sg	19:40:34.371	-1.4					T__				m_e	
CKRC	2.89		Sg	19:40:22.534	-0.3					T__				m_e	
CKRC	2.89		Pn	19:39:37.868	0.9					T__				m_e	ML 4.2
CLL	1.95		Sg	19:39:53.200	0.3					T__				m_e	
CLL	1.95		Pn	19:39:23.332	-0.9					T__				m_e	ML 3.8
CLL	1.95		Pg	19:39:26.831	-0.8					T__				m_e	
CLZ	3.59		Pn	19:39:46.908	0.6					T__				m_e	ML 4.0
DPC	1.13		Sg	19:39:27.553	0.7					T__				m_e	
DPC	1.13		Pg	19:39:11.960	-0.3					T__				m_e	ML 4.4
FLT1	3.14		Sg	19:40:29.577	-0.9					T__				m_e	ML 3.9
GEC2	3.05		Pn	19:39:39.487	0.5					T__				m_e	ML 3.9
GRA1	3.59		Sg	19:40:46.132	1.4					T__				m_e	
GRA1	3.59		Pn	19:39:46.948	0.7					T__				m_e	ML 4.5
GRZ1	2.57		Sg	19:40:12.833	0.3					T__				m_e	
GRZ1	2.57		Pn	19:39:32.553	-0.0					T__				m_e	ML 4.3
GRZ1	2.57		Pg	19:39:38.921	-0.5					T__				m_e	
GUNZ	2.63		Pn	19:39:33.550	0.1					T__				m_e	ML 4.2
GUNZ	2.63		Pg	19:39:41.028	0.5					T__				m_e	
HAM4	4.11		Pn	19:39:53.748	0.4					T__				m_e	
HKWD	2.50		Sg	19:40:10.441	0.1					T__				m_e	
HKWD	2.50		Pn	19:39:31.957	0.3					T__				m_e	ML 4.2
HKWD	2.50		Pg	19:39:38.017	-0.0					T__				m_e	
HLG	5.68		Pn	19:40:14.024	-0.4					T__				m_e	ML 4.3
HROE	3.87		Sg	19:40:53.831	0.0					T__				m_e	
HROE	3.87		Pn	19:39:50.681	0.6					T__				m_e	ML 4.5
HROE	3.87		Pg	19:40:02.934	-0.9					T__				m_e	
HWTS	3.05		Sg	19:40:27.982	0.1					T__				m_e	ML 4.1
KAST	4.83		Pn	19:40:02.975	-0.0					T__				m_e	ML 3.8
KHC	2.85		Sg	19:40:21.251	-0.1					T__				m_e	
KHC	2.85		Pn	19:39:36.713	0.4					T__				m_e	ML 3.7
KRUC	2.42		Sg	19:40:07.696	-0.1					T__				m_e	
KRUC	2.42		Pn	19:39:31.105	0.6					T__				m_e	ML 3.7
LOCC	4.41		Pn	19:39:57.925	0.6					T__				m_e	ML 4.2
MANZ	2.94		Sg	19:40:24.055	-0.3					T__				m_e	
MANZ	2.94		Pn	19:39:38.207	0.6					T__				m_e	ML 4.1
MILB	4.64		Sg	19:41:18.643	0.6					T__				m_e	
MILB	4.64		Pn	19:40:00.450	0.0					T__				m_e	ML 4.9
MILB	4.64		Pg	19:40:18.153	-0.1					T__				m_e	
MLFH	2.63		Sg	19:40:14.158	-0.1					T__				m_e	
MLFH	2.63		Pn	19:39:33.175	-0.1					T__				m_e	ML 3.8
MLFH	2.63		Pg	19:39:40.618	0.2					T__				m_e	
MODW	2.35		Sg	19:40:05.259	-0.2					T__				m_e	

MODW	2.35	Pn	19:39:29.437	-0.1	T__	m_e ML	3.8
MODW	2.35	Pg	19:39:35.650	0.5	T__	m_e	
MORC	1.93	Sg	19:39:51.116	-1.1	T__	m_e	
MORC	1.93	Pn	19:39:23.256	-0.7	T__	m_e ML	4.1
MOX	2.95	Sg	19:40:25.191	0.6	T__	m_e ML	4.3
MULD	2.57	Sg	19:40:12.102	-0.4	T__	m_e	
MULD	2.57	Pn	19:39:32.995	0.4	T__	m_e ML	4.0
MULD	2.57	Pg	19:39:40.193	0.8	T__	m_e	
NEUB	2.73	Pg	19:39:41.773	-0.6	T__	m_e ML	4.6
OJC	2.66	Sg	19:40:15.092	-0.2	T__	m_e	
POSS	3.28	Pn	19:39:42.220	0.0	T__	m_e ML	4.1
POSS	3.28	Pg	19:39:52.708	-0.1	T__	m_e	
PRU	1.79	Pn	19:39:21.671	-0.3	T__	m_e ML	3.5
PRU	1.79	Pg	19:39:23.973	-0.6	T__	m_e	
PVCC	1.35	Pn	19:39:16.174	0.0	T__	m_e ML	4.1
RETH	4.35	Pn	19:39:57.056	0.6	T__	m_e	
ROHR	2.70	Sg	19:40:16.886	0.2	T__	m_e	
ROHR	2.70	Pn	19:39:34.562	0.2	T__	m_e ML	4.4
ROTZ	3.01	Sg	19:40:26.115	-0.5	T__	m_e	
ROTZ	3.01	Pn	19:39:39.114	0.6	T__	m_e ML	3.9
ROTZ	3.01	Pg	19:39:47.817	0.1	T__	m_e	
SONN	3.55	Sg	19:40:43.500	-0.1	T__	m_e ML	4.6
TANN	2.54	Sg	19:40:10.508	-0.9	T__	m_e	
TANN	2.54	Pn	19:39:32.566	0.5	T__	m_e ML	4.0
TAUT	2.81	Sg	19:40:20.541	0.5	T__	m_e	
TAUT	2.81	Pn	19:39:35.554	-0.2	T__	m_e ML	4.5
TAUT	2.81	Pg	19:39:43.185	-0.6	T__	m_e	
TNS	5.01	Sg	19:41:31.068	1.1	T__	m_e	
TNS	5.01	Pn	19:40:05.879	0.4	T__	m_e ML	4.5
TREC	2.21	Sg	19:40:01.671	0.4	T__	m_e	
TREC	2.21	Sn	19:39:54.097	0.0	T__	m_e	
TREC	2.21	Pn	19:39:28.012	0.2	T__	m_e ML	3.8
TREC	2.21	Pg	19:39:31.717	-0.9	T__	m_e	
TRIB	2.75	Sg	19:40:17.750	-0.5	T__	m_e	
TRIB	2.75	Pn	19:39:35.081	0.1	T__	m_e ML	4.2
UBBA	3.90	Pn	19:39:50.350	-0.1	T__	m_e ML	4.1
UBBA	3.90	Pg	19:40:03.762	-0.6	T__	m_e	
VITZ	3.83	Pn	19:39:49.765	0.2	T__	m_e ML	4.7
VITZ	3.83	Pg	19:40:03.023	-0.0	T__	m_e	
VRAC	2.19	Pn	19:39:27.468	0.1	T__	m_e ML	3.5
VRAC	2.19	Pg	19:39:31.427	-0.7	T__	m_e	
WERD	2.61	Sg	19:40:14.162	0.3	T__	m_e	
WERD	2.61	Pn	19:39:33.294	0.2	T__	m_e ML	4.0
WERD	2.61	Pg	19:39:40.127	0.0	T__	m_e	
WERN	2.64	Sg	19:40:14.361	-0.5	T__	m_e	
WERN	2.64	Pn	19:39:34.415	0.9	T__	m_e ML	4.1
WERN	2.64	Pg	19:39:40.949	0.2	T__	m_e	
WET	3.12	Sg	19:40:29.377	-0.5	T__	m_e	
WET	3.12	Pn	19:39:40.308	0.4	T__	m_e ML	3.9

WIMM	2.88	Pn	19:39:37.053	0.4	T__	m_e	ML	3.9
WIMM	2.88	Pg	19:39:44.054	-1.0	T__	m_e		
ZEITZ	2.54	Pg	19:39:38.093	-0.6	T__	m_e	ML	3.8

Event 80704004 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/04	09:01:30.18	1.38		42.5210	18.5370	20.0	8.9	147	22.0	14.9		33		4.90	10.87	m i ke	BGR
80704010																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.2		BGR	80704010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	10.59		Pn	09:03:57.703						T__				m_e	
ARSA	5.19		Pn	09:02:44.138						T__				m_e	ML 4.6
BERGE	9.06		Pn	09:03:36.104						T__				m_e	
BFO	9.23		Pn	09:03:37.536						T__				m_e	
BRG	8.93		Pn	09:03:35.386						T__				m_e	ML 5.0
CKRC	6.96		Pn	09:03:09.073						T__				m_e	
CLL	9.57		Pn	09:03:44.470						T__				m_e	
DAVA	7.77		Pn	09:03:19.978						T__				m_e	ML 5.3
DPC	7.98		Pn	09:03:22.095						T__				m_e	
GEC2	7.17		Pn	09:03:11.614						T__				m_e	ML 4.9
JAVC	6.37		Pn	09:03:00.675						T__				m_e	
KBA	5.87		Pn	09:02:53.661						T__				m_e	ML 4.9
KHC	7.46		Pn	09:03:15.319						T__				m_e	
MANZ	8.69		Pn	09:03:30.741						T__				m_e	ML 5.1
MILB	9.72		Pn	09:03:45.773						T__				m_e	
MORC	7.29		Pn	09:03:12.110						T__				m_e	
MOX	9.42		Pn	09:03:41.173						T__				m_e	
NORI	8.31		Pn	09:03:24.950						T__				m_e	ML 5.2
OBER	7.62		Pn	09:03:17.578						T__				m_e	ML 5.2
OBKA	4.90		Pn	09:02:41.465						T__				m_e	ML 5.1
PART	7.24		Pn	09:03:13.556						T__				m_e	
PLONS	7.93		Pn	09:03:22.413						T__				m_e	ML 5.0
PRU	7.96		Pn	09:03:23.013						T__				m_e	
RIVT	10.87		Pn	09:04:01.474						T__				m_e	
RJOB	6.61		Pn	09:03:04.485						T__				m_e	ML 5.0
ROTZ	8.47		Pn	09:03:28.045						T__				m_e	ML 5.0
SLE	8.82		Pn	09:03:33.178						T__				m_e	ML 5.8
SULZ	8.92		Pn	09:03:35.300						T__				m_e	ML 5.6
TNS	10.38		Pn	09:03:54.182						T__				m_e	
UBR	7.88		Pn	09:03:20.260						T__				m_e	ML 5.4
WALHA	8.46		Pn	09:03:28.378						T__				m_e	ML 5.5
WET	7.71		Pn	09:03:18.001						T__				m_e	ML 5.0

WILA 8.40 Pn 09:03:28.034 T__ m_e ML 5.4

Event 80704006 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/04	19:45:49.85			33.2070	34.7090				33.0			20		22.00	26.99	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80704012
Ms	3.2		BGR	80704012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	26.67		P	19:51:26.079		124.7		9.43		TAS		14.9	1.17	m_e mb	4.6
BFO	24.88		P	19:51:10.847	0.3	124.7		9.43		TAS		47.7	0.98	m_e mb	5.2
BRG	23.31		P	19:50:55.132	-0.2	124.7		9.43		TAS		11.8	1.23	m_e mb	4.3
BSEG	26.99		P	19:51:28.553		124.7		9.43		TAS		13.3	1.37	m_e mb	4.5
CLL	24.04		P	19:51:02.221	1.8	124.7		9.43		TAS		14.6	1.03	m_e mb	4.5
CLZ	25.66		P	19:51:16.687	-0.2	124.7		9.43		TAS		15.6	1.38	m_e mb	4.5
GEC2	22.14		P	19:50:44.126	-0.5	124.7		9.43		TAS		27.0	1.19	m_e mb	4.6
GOR1	25.93		P	19:51:19.401		124.7		9.43		TAS		19.1	1.11	m_e mb	4.6
GRA1	23.96		P	19:51:01.566	0.4	124.7		9.43		TAS		14.7	1.13	m_e mb	4.4
GRA1	23.96		L	20:11:27.667						T__		86.3	20.20	a_e Ms	3.2
MANZ	23.66		P	19:50:58.647	0.1	124.7		9.43		TAS		10.7	1.40	m_e mb	4.2
MOX	24.31		P	19:51:06.750	1.3	124.7		9.43		TAS		67.2	1.78	m_e mb	4.9
MOX	24.31		L	20:06:35.992						T__		100.7	21.70	a_e Ms	3.3
PLN	23.94		P	19:51:01.417	-0.2	124.7		9.43		TAS		17.8	1.20	m_e mb	4.5
RJOB	22.00		P	19:50:41.999	-1.1	124.7		9.43		TAS		2.6	0.88	m_e mb	3.7
ROTZ	23.48		P	19:50:57.002	0.9	124.7		9.43		TAS		12.8	1.52	m_e mb	4.2
TANN	23.74		P	19:50:59.583	0.0	124.7		9.43		TAS		26.9	1.36	m_e mb	4.6
TNS	25.75		P	19:51:17.880		124.7		9.43		TAS		8.8	1.05	m_e mb	4.3
UBBA	25.24		P	19:51:14.404	-1.1	124.7		9.43		TAS		20.0	1.43	m_e mb	4.7
UBR	23.52		P	19:50:57.706	-0.2	124.7		9.43		TAS		27.4	1.36	m_e mb	4.6
WET	22.76		P	19:50:49.742	-0.7	124.7		9.43		TAS		10.2	1.13	m_e mb	4.2
WLF	26.77		P	19:51:27.464		124.7		9.43		TAS		25.9	1.46	m_e mb	4.8

Event 80704007 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/04	20:34:52.76			13.9400	96.1900				33.0			30		74.44	79.54	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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mb	5.1	BGR	80704013
Ms	4.6	BGR	80704013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.82		P	20:46:53.724	0.1	84.9		5.65		TAS		28.3	1.21	m_e	mb 5.2
BFO	78.32		P	20:46:49.976		84.9		5.65		TAS		21.3	1.48	m_e	mb 5.1
BRG	74.44		P	20:46:28.607	0.3	84.9		5.65		TAS		16.7	0.90	m_e	mb 5.1
BSEG	76.45		P	20:46:39.990	-0.0	84.9		5.65		TAS		20.7	1.00	m_e	mb 5.2
BUG	78.57		P	20:46:51.869	-0.1	84.9		5.65		TAS		18.1	1.01	m_e	mb 5.0
CLL	75.01		P	20:46:31.553	-0.1	84.9		5.65		TAS		13.2	1.12	m_e	mb 4.9
CLZ	76.60		P	20:46:40.981	-0.4	84.9		5.65		TAS		14.7	0.84	m_e	mb 5.1
FLT1	76.03		P	20:46:36.970	0.1	84.9		5.65		TAS		7.0	0.83	m_e	mb 4.8
FUR	76.38		P	20:46:39.610		84.9		5.65		TAS		22.5	0.82	m_e	mb 5.3
GEC2	74.72		P	20:46:30.369	-0.1	84.9		5.65		TAS		23.3	0.94	m_e	mb 5.2
GOR1	75.93		P	20:46:37.401	0.2	84.9		5.65		TAS		35.2	1.17	m_e	mb 5.4
GRA1	76.27		P	20:46:39.289	-0.6	84.9		5.65		TAS		12.2	1.22	m_e	mb 4.9
GRA1	76.27		L	21:25:02.087						T__		290.8	19.10	a_e	Ms 4.6
GTTG	76.89		P	20:46:42.651	-0.1	84.9		5.65		TAS		17.6	0.92	m_e	mb 5.2
IBBN	78.16		P	20:46:49.634	0.1	84.9		5.65		TAS		24.4	1.15	m_e	mb 5.2
KAST	77.89		P	20:46:48.073	-0.3	84.9		5.65		TAS		9.7	1.01	m_e	mb 4.9
MANZ	75.67		P	20:46:36.217	0.3	84.9		5.65		TAS		7.0	1.34	m_e	mb 4.6
MOX	75.93		P	20:46:37.093	-0.0	84.9		5.65		TAS		14.7	1.10	m_e	mb 5.0
MOX	75.93		L	21:26:41.815						T__		276.0	20.10	a_e	Ms 4.6
NEUB	75.79		P	20:46:36.174	-0.0	84.9		5.65		TAS		20.3	1.11	m_e	mb 5.2
NRDL	76.70		P	20:46:41.608	-0.0	84.9		5.65		TAS		34.6	1.26	m_e	mb 5.3
PLN	75.60		P	20:46:35.370	0.6	84.9		5.65		TAS		9.9	0.96	m_e	mb 4.9
RETH	77.13		P	20:46:43.820	-0.3	84.9		5.65		TAS		16.3	1.24	m_e	mb 5.0
RJOB	75.40		P	20:46:33.864		84.9		5.65		TAS		9.3	0.81	m_e	mb 4.9
ROTZ	75.63		P	20:46:35.920	0.2	84.9		5.65		TAS		7.9	1.19	m_e	mb 4.7
RUE	74.47		P	20:46:28.504	-0.7	84.9		5.65		TAS		31.5	0.58	m_e	mb 5.5
TANN	75.41		P	20:46:34.177	0.5	84.9		5.65		TAS		12.5	1.12	m_e	mb 4.8
TNS	77.99		P	20:46:48.853	0.4	84.9		5.65		TAS		12.3	1.01	m_e	mb 5.0
UBBA	76.94		P	20:46:42.529	0.1	84.9		5.65		TAS		18.5	1.62	m_e	mb 5.0
UBR	77.22		P	20:46:43.809		84.9		5.65		TAS		15.8	1.09	m_e	mb 5.1
WET	75.24		P	20:46:33.418	0.0	84.9		5.65		TAS		19.0	1.11	m_e	mb 5.0
WLF	79.54		P	20:46:57.865	0.2	84.9		5.65		TAS		32.0	1.32	m_e	mb 5.1

Event 80706001 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/06	01:40:09.79			52.1280	156.2130				33.0			33		69.30	76.43	m i ke	BGR
80706007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	80706007
Ms	6.1		BGR	80706007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.42		P	01:51:42.421	0.0	21.5		5.85		TAS		565.1	1.64	a_e mb	6.3
BFO	76.23		P	01:51:52.621	-0.3	21.5		5.85		TAS		119.8	0.87	a_e mb	6.0
BRG	72.53		P	01:51:31.121	-0.0	21.5		5.85		TAS		75.0	1.08	a_e mb	5.7
BSEG	70.54		P	01:51:19.771	0.0	21.5		5.85		TAS		128.2	0.94	a_e mb	6.0
BUG	73.53		P	01:51:37.021	0.0	21.5		5.85		TAS		152.9	0.85	a_e mb	6.1
CLL	72.36		P	01:51:29.971	0.3	21.5		5.85		TAS		141.1	0.85	a_e mb	6.1
CLZ	72.48		P	01:51:31.471	-0.3	21.5		5.85		TAS		1108.6	1.78	a_e mb	6.7
FLT1	71.83		P	01:51:26.721	-0.6	21.5		5.85		TAS		120.7	0.93	a_e mb	6.0
FUR	75.70		P	01:51:50.021	0.5	21.5		5.85		TAS		196.8	0.90	a_e mb	6.2
GEC2	74.46		P	01:51:42.771	0.5	21.5		5.85		TAS		81.6	0.71	m_e mb	5.9
GOR1	71.20		P	01:51:24.119	0.5	21.5		5.85		TAS		789.7	1.72	m_e mb	6.6
GRA1	74.29		P	01:51:42.171	0.5	21.5		5.85		TAS		254.2	0.88	a_e mb	6.3
GRA1	74.29		L	02:27:50.889						T__		9926.2	21.80	a_e Ms	6.1
GTTG	72.85		P	01:51:33.421	-0.1	21.5		5.85		TAS		80.6	0.88	a_e mb	5.9
HLG	70.81		P	01:51:21.421	0.2	21.5		5.85		TAS		381.0	1.01	a_e mb	6.5
IBBN	72.61		P	01:51:31.771	-0.4	21.5		5.85		TAS		160.3	0.75	a_e mb	6.2
KAST	73.51		P	01:51:37.221	-0.2	21.5		5.85		TAS		115.4	0.79	a_e mb	6.0
MANZ	73.80		P	01:51:38.921	0.3	21.5		5.85		TAS		100.5	1.82	a_e mb	5.5
MOX	73.31		P	01:51:35.971	0.1	21.5		5.85		TAS		80.5	0.86	a_e mb	5.9
MOX	73.31		L	02:27:00.254						T__		11219.8	22.00	a_e Ms	6.1
NEUB	72.76		P	01:51:32.421	0.1	21.5		5.85		TAS		122.7	0.73	a_e mb	6.1
NRDL	71.93		P	01:51:27.771	-0.1	21.5		5.85		TAS		103.9	0.97	a_e mb	5.9
PLN	73.32		P	01:51:36.171	0.1	21.5		5.85		TAS		110.6	1.06	a_e mb	5.9
RETH	71.87		P	01:51:27.521	0.0	21.5		5.85		TAS		164.7	1.06	a_e mb	6.1
RGN	69.30		P	01:51:12.798	0.2	21.5		5.85		TAS		360.2	1.02	m_e mb	6.5
RJOB	75.71		P	01:51:50.521	-0.5	21.5		5.85		TAS		119.2	0.78	a_e mb	6.1
ROTZ	73.98		P	01:51:40.221	0.4	21.5		5.85		TAS		163.6	1.89	a_e mb	5.7
RUE	71.09		P	01:51:22.871	-0.2	21.5		5.85		TAS		186.9	0.95	a_e mb	6.2
STU	75.62		P	01:51:49.221	0.0	21.5		5.85		TAS		286.5	0.89	a_e mb	6.4
TANN	73.32		P	01:51:36.171	0.1	21.5		5.85		TAS		247.4	1.56	a_e mb	6.1
TNS	74.43		P	01:51:42.521	0.1	21.5		5.85		TAS		136.4	0.74	a_e mb	6.1
UBBA	73.52		P	01:51:37.071	-0.2	21.5		5.85		TAS		131.5	0.94	a_e mb	5.9
UBR	76.43		P	01:51:54.021		21.5		5.85		TAS		430.0	1.48	m_e mb	6.4
WET	74.39		P	01:51:42.821	0.0	21.5		5.85		TAS		172.0	0.92	a_e mb	6.1
WLF	75.44		P	01:51:48.871	-0.3	21.5		5.85		TAS		831.1	1.82	a_e mb	6.5

Event 80706002 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/06	02:07:13.36			62.2970	-152.5450				33.0			20		64.68	69.69	m i ke	BGR
80706008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80706008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	66.67		P	02:17:59.838	-0.6	351.9		6.34		TAS		3.5	0.86	m_e	mb	4.6
BUG	65.48		P	02:17:51.784	0.0	351.9		6.34		TAS		5.3	0.79	m_e	mb	4.8
CLL	66.16		P	02:17:56.348	-0.7	351.9		6.34		TAS		3.3	0.93	m_e	mb	4.5
CLZ	65.41		P	02:17:52.166	0.1	351.9		6.34		TAS		8.9	0.69	m_e	mb	5.1
FLT1	65.00		P	02:17:48.582	-0.1	351.9		6.34		TAS		3.2	0.68	m_e	mb	4.7
GEC2	68.67		P	02:18:12.517		351.9		6.34		TAS		1.5	0.69	m_e	mb	4.3
GRA1	67.61		P	02:18:05.061		351.9		6.34		TAS		3.8	0.73	m_e	mb	4.7
IBBN	64.68		P	02:17:47.110	-0.3	351.9		6.34		TAS		6.0	0.62	m_e	mb	5.0
MOX	66.70		P	02:18:00.120	-0.6	351.9		6.34		TAS		6.8	0.61	m_e	mb	5.1
NEUB	66.17		P	02:17:56.506	0.3	351.9		6.34		TAS		8.6	0.63	m_e	mb	5.1
NRDL	64.73		P	02:17:46.680	-0.1	351.9		6.34		TAS		4.4	0.89	m_e	mb	4.7
RJOB	69.69		P	02:18:18.324		351.9		6.34		TAS		4.1	0.69	m_e	mb	4.7
ROTZ	67.63		P	02:18:06.090		351.9		6.34		TAS		0.6	0.79	m_e	mb	3.9
RUE	65.06		P	02:17:49.881	-0.2	351.9		6.34		TAS		10.5	0.74	m_e	mb	5.2
TANN	67.01		P	02:18:02.643		351.9		6.34		TAS		1.9	0.72	m_e	mb	4.4
TNS	66.81		P	02:18:00.628		351.9		6.34		TAS		4.2	0.63	m_e	mb	4.8
UBBA	66.38		P	02:17:57.689	0.2	351.9		6.34		TAS		1.6	0.61	m_e	mb	4.4
UBR	69.50		P	02:18:17.123		351.9		6.34		TAS		3.3	0.78	m_e	mb	4.6
WET	68.30		P	02:18:10.564		351.9		6.34		TAS		1.5	0.71	m_e	mb	4.3
WLF	67.10		P	02:18:03.335		351.9		6.34		TAS		4.1	0.80	m_e	mb	4.7

Event 80706003 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/06	04:32:30.36			53.7630	159.5870				33.0			32		68.51	75.67	m i ke	BGR
80706009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80706009
Ms	4.2		BGR	80706009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.53		P	04:43:57.767	0.4	18.9		5.91		TAS		17.5	0.74	a_e	mb	5.2
BFO	75.41		P	04:44:08.417		18.9		5.91		TAS		15.8	0.66	a_e	mb	5.2
BRG	71.82		P	04:43:47.417	0.2	18.9		5.91		TAS		43.8	1.13	a_e	mb	5.5
BSEG	69.69		P	04:43:35.067	0.1	18.9		5.91		TAS		77.7	1.06	a_e	mb	5.8
BUG	72.63		P	04:43:52.217	-0.1	18.9		5.91		TAS		40.8	1.10	a_e	mb	5.5
CLL	71.62		P	04:43:46.067	0.0	18.9		5.91		TAS		95.4	1.04	a_e	mb	5.9
CLZ	71.66		P	04:43:47.167	-0.3	18.9		5.91		TAS		82.0	0.98	a_e	mb	5.8
FLT1	71.02		P	04:43:42.417	-0.1	18.9		5.91		TAS		67.0	1.13	a_e	mb	5.7
FUR	74.96		P	04:44:06.167	-0.5	18.9		5.91		TAS		34.3	0.90	a_e	mb	5.4
GEC2	73.78		P	04:43:59.217	-0.3	18.9		5.91		TAS		25.7	1.00	m_e	mb	5.2
GOR1	70.39		P	04:43:39.567	0.1	18.9		5.91		TAS		93.9	1.19	a_e	mb	5.8
GRA1	73.52		P	04:43:58.217	0.0	18.9		5.91		TAS		162.5	1.46	a_e	mb	5.8

GRA1	73.52	L	05:21:28.856							T__	119.0	21.30	a_e	Ms	4.1
GTTG	72.02	P	04:43:49.017	0.1	18.9		5.91			TAS	22.7	0.86	a_e	mb	5.3
IBBN	71.71	P	04:43:46.967	-0.2	18.9		5.91			TAS	40.1	0.63	a_e	mb	5.7
KAST	72.65	P	04:43:52.717	0.0	18.9		5.91			TAS	21.0	0.68	a_e	mb	5.4
MANZ	73.06	P	04:43:55.017	0.5	18.9		5.91			TAS	7.7	1.16	a_e	mb	4.7
MOX	72.54	P	04:43:51.967	0.1	18.9		5.91			TAS	37.2	1.06	a_e	mb	5.4
MOX	72.54	L	05:22:23.758							T__	172.3	19.70	a_e	Ms	4.3
NEUB	71.99	P	04:43:48.467	0.0	18.9		5.91			TAS	46.1	1.03	a_e	mb	5.6
NRDL	71.09	P	04:43:43.217	-0.4	18.9		5.91			TAS	46.3	1.08	a_e	mb	5.5
PLN	72.57	P	04:43:52.267	-0.1	18.9		5.91			TAS	44.0	1.15	a_e	mb	5.5
RETH	71.01	P	04:43:42.917	-0.6	18.9		5.91			TAS	54.9	1.19	a_e	mb	5.6
RGN	68.51	P	04:43:28.017	-0.1	18.9		5.91			TAS	185.6	0.88	a_e	mb	6.3
RJOB	75.03	P	04:44:06.867	-0.2	18.9		5.91			TAS	17.7	0.97	a_e	mb	5.1
ROTZ	73.24	P	04:43:56.317	0.1	18.9		5.91			TAS	10.4	1.12	a_e	mb	4.9
RUE	70.36	P	04:43:38.917	0.4	18.9		5.91			TAS	200.0	1.22	a_e	mb	6.1
STU	74.82	P	04:44:05.067	0.3	18.9		5.91			TAS	75.1	1.13	a_e	mb	5.6
TANN	72.58	P	04:43:52.317	0.2	18.9		5.91			TAS	38.9	1.34	a_e	mb	5.4
TNS	73.58	P	04:43:58.067	0.0	18.9		5.91			TAS	21.0	0.74	a_e	mb	5.3
UBBA	72.71	P	04:43:52.773	0.2	18.9		5.91			TAS	34.3	1.15	m_e	mb	5.4
UBR	75.67	P	04:44:10.217		18.9		5.91			TAS	26.4	0.83	a_e	mb	5.4
WET	73.68	P	04:43:59.067	0.1	18.9		5.91			TAS	64.7	1.26	a_e	mb	5.5
WLF	74.54	P	04:44:03.721	-0.1	18.9		5.91			TAS	48.8	1.52	m_e	mb	5.3

Event 80706014 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/06	22:51:11.34			-20.7440	-172.5150				122.2			18		146.79	153.04	m i ke	BGR
80706020																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.47		PKPbc	23:10:52.610		7.2		2.46		TAS				m_e	
BRG	149.50		PKPbc	23:10:45.407	-0.3	7.2		2.46		TAS				m_e	
BSEG	146.79		PKPbc	23:10:38.200	-0.2	7.2		2.46		TAS				m_e	
CLL	149.19		PKPbc	23:10:44.402	-0.3	7.2		2.46		TAS				m_e	
CLL	149.19		pPKPbc	23:11:17.110						T__				m_e	
CLZ	148.88		PKPbc	23:10:44.153	0.2	7.2		2.46		TAS				m_e	
FLT1	148.34		PKPbc	23:10:42.387	0.1	7.2		2.46		TAS				m_e	
FUR	152.47		PKPbc	23:10:52.575		7.2		2.46		TAS				m_e	
GEC2	151.52		PKPbc	23:10:50.034		7.2		2.46		TAS				m_e	
GRA1	150.96		PKPbc	23:10:49.231		7.2		2.46		TAS				m_e	
IBBN	148.50		PKPbc	23:10:43.126	0.0	7.2		2.46		TAS				m_e	
MANZ	150.59		PKPbc	23:10:48.204		7.2		2.46		TAS				m_e	
MOX	149.98		PKPbc	23:10:46.567		7.2		2.46		TAS				m_e	
NRDL	148.24		PKPbc	23:10:42.041	0.4	7.2		2.46		TAS				m_e	

RETH	148.03	PKPbc	23:10:41.860	-0.0	7.2	2.46	TAS	m_e
ROTZ	150.80	PKPbc	23:10:48.643		7.2	2.46	TAS	m_e
TANN	150.13	PKPbc	23:10:47.031		7.2	2.46	TAS	m_e
TNS	150.57	PKPab	23:10:54.693		7.2	2.46	TAS	m_e
UBR	153.04	PKPbc	23:10:53.652		7.2	2.46	TAS	m_e

Event 80707001 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/07	05:42:21.23			48.6400	145.7760				483.7			24		72.22	76.64	m i ke	BGR
OrigID 80707007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80707007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.03		P	05:53:10.427		29.3		5.67		TAS		8.5	0.96	a_e mb	4.7
ASSE	72.57		P	05:52:55.577	0.5	29.3		5.67		TAS		0.1	0.80	a_e mb	3.1
BFO	76.63		P	05:53:19.077		29.3		5.67		TAS		5.7	0.96	a_e mb	4.7
BRG	72.62		P	05:52:56.527	-0.0	29.3		5.67		TAS		3.3	0.98	a_e mb	4.4
CLL	72.55		P	05:52:55.877	1.1	29.3		5.67		TAS		13.4	0.98	a_e mb	5.0
CLZ	72.91		P	05:52:58.827	0.0	29.3		5.67		TAS		9.0	1.04	a_e mb	4.8
FLT1	72.22		P	05:52:53.827	0.5	29.3		5.67		TAS		7.3	0.82	a_e mb	4.8
FUR	75.84		P	05:53:15.177		29.3		5.67		TAS		13.6	0.70	a_e mb	5.2
GEC2	74.44		P	05:53:07.077	-1.4	29.3		5.67		TAS		2.7	0.87	a_e mb	4.3
GRA1	74.52		P	05:53:07.927		29.3		5.67		TAS		9.9	0.72	a_e mb	4.9
GRA1	74.52		pP	05:54:51.342						T__				m_e	
GTTG	73.29		P	05:53:01.627	-0.0	29.3		5.67		TAS		10.3	1.14	a_e mb	4.9
IBBN	73.27		P	05:53:00.077	0.3	29.3		5.67		TAS		11.8	0.94	a_e mb	5.0
KAST	74.05		P	05:53:04.927	0.1	29.3		5.67		TAS		5.0	0.93	a_e mb	4.5
MANZ	73.98		P	05:53:04.527	0.4	29.3		5.67		TAS		0.8	0.98	a_e mb	3.7
MOX	73.57		P	05:53:02.127	1.0	29.3		5.67		TAS		4.9	1.01	a_e mb	4.5
NEUB	73.04		P	05:52:58.877	0.1	29.3		5.67		TAS		7.8	0.79	a_e mb	4.9
NEUB	73.04		PcP	05:53:13.175						T__				m_e	
NRDL	72.42		P	05:52:55.427	-0.3	29.3		5.67		TAS		3.9	0.86	a_e mb	4.6
RJOB	75.71		P	05:53:14.677		29.3		5.67		TAS		5.8	0.92	a_e mb	4.7
ROTZ	74.14		P	05:53:05.677	-0.2	29.3		5.67		TAS		0.8	0.87	a_e mb	3.8
STU	75.97		P	05:53:15.577		29.3		5.67		TAS		22.2	0.73	a_e mb	5.4
STU	75.97		PcP	05:53:25.042						T__				m_e	
TANN	73.50		P	05:53:02.240	0.5	29.3		5.67		TAS		1.4	0.80	m_e mb	4.1
TNS	74.91		P	05:53:10.677		29.3		5.67		TAS		4.1	0.81	a_e mb	4.5
UBR	76.64		P	05:53:18.177		29.3		5.67		TAS		2.0	0.78	a_e mb	4.3
WET	74.46		P	05:53:07.727		29.3		5.67		TAS		6.0	0.85	m_e mb	4.6

Event 80707002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/07	11:23:45.99			34.8430	141.8690				33.0			24		81.98	87.39	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80707008
Ms	5.4		BGR	80707008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.09		P	11:36:21.890		38.7		5.02		TAS		37.8	0.97	m_e mb	5.5
BFO	87.39		P	11:36:28.480		38.7		5.02		TAS		40.1	0.93	m_e mb	5.5
BRG	83.13		P	11:36:06.703	-0.1	38.7		5.02		TAS		17.4	0.80	m_e mb	5.3
BSEG	82.18		P	11:36:01.952	-0.8	38.7		5.02		TAS		35.4	0.97	m_e mb	5.5
BUG	85.29		P	11:36:17.944		38.7		5.02		TAS		15.1	0.77	m_e mb	5.3
CLL	83.18		P	11:36:06.704	0.1	38.7		5.02		TAS		37.0	0.78	m_e mb	5.7
CLZ	83.80		P	11:36:10.498	-0.1	38.7		5.02		TAS		42.6	0.92	m_e mb	5.7
FLT1	83.09		P	11:36:06.080	0.1	38.7		5.02		TAS		39.6	0.86	m_e mb	5.7
GEC2	84.77		P	11:36:14.868	-0.3	38.7		5.02		TAS		16.2	0.89	m_e mb	5.3
GRA1	85.15		P	11:36:17.701		38.7		5.02		TAS		48.1	0.80	m_e mb	5.8
GRA1	85.15		L	12:17:42.096						T__		1359.2	21.40	a_e Ms	5.3
GTTG	84.19		P	11:36:13.133	-0.2	38.7		5.02		TAS		91.0	0.88	m_e mb	6.0
IBBN	84.41		P	11:36:13.450	0.5	38.7		5.02		TAS		41.2	0.83	m_e mb	5.7
KAST	85.06		P	11:36:17.302	-0.0	38.7		5.02		TAS		17.5	0.90	m_e mb	5.3
MANZ	84.56		P	11:36:14.221	0.1	38.7		5.02		TAS		4.5	0.80	m_e mb	4.8
MOX	84.25		P	11:36:12.662	0.6	38.7		5.02		TAS		13.9	0.92	m_e mb	5.2
MOX	84.25		L	12:17:26.750						T__		1943.6	20.30	a_e Ms	5.5
NEUB	83.76		P	11:36:10.118	-0.0	38.7		5.02		TAS		47.8	0.87	m_e mb	5.7
NRDL	83.39		P	11:36:08.497	1.6	38.7		5.02		TAS		15.8	0.88	m_e mb	5.3
ROTZ	84.69		P	11:36:14.962	0.3	38.7		5.02		TAS		8.3	1.13	m_e mb	4.9
RUE	81.98		P	11:36:01.401	-0.3	38.7		5.02		TAS		57.9	1.11	m_e mb	5.6
STU	86.70		P	11:36:24.657		38.7		5.02		TAS		70.5	0.82	m_e mb	5.8
TANN	84.09		P	11:36:13.470	0.0	38.7		5.02		TAS		11.2	0.89	m_e mb	5.1
TNS	85.83		P	11:36:20.953		38.7		5.02		TAS		19.7	0.95	m_e mb	5.2
WET	84.89		P	11:36:15.761	-0.7	38.7		5.02		TAS		18.2	0.96	m_e mb	5.3
WLF	87.15		P	11:36:26.530		38.7		5.02		TAS		34.4	1.08	m_e mb	5.4

Event 80707004 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/07	21:33:45.45			-31.1300	-177.4300				33.0			27		156.53	162.49	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Ms	5.8	BGR	80707010													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	160.32		PKPdf	21:53:43.055		25.9		1.09		TAS				m_e		
AHRW	160.32		PKPab	21:54:22.288		25.9		1.09		TAS				m_e		
BFO	162.27		PKPdf	21:53:45.115		25.9		1.09		TAS				m_e		
BFO	162.27		PKPab	21:54:30.678		25.9		1.09		TAS				m_e		
BRG	158.54		PKPdf	21:53:41.029	-0.1	25.9		1.09		TAS				m_e		
BRG	158.54		PKPab	21:54:14.401		25.9		1.09		TAS				m_e		
BSEG	156.53		PKPab	21:54:06.138		25.9		1.09		TAS				m_e		
BUG	159.41		PKPdf	21:53:42.104		25.9		1.09		TAS				m_e		
BUG	159.41		PKPab	21:54:18.239		25.9		1.09		TAS				m_e		
CLL	158.41		PKPab	21:54:13.816		25.9		1.09		TAS				m_e		
CLZ	158.52		PKPab	21:54:14.723		25.9		1.09		TAS				m_e		
FLT1	157.88		PKPdf	21:53:40.149	0.1	25.9		1.09		TAS				m_e		
FLT1	157.88		PKPab	21:54:11.306		25.9		1.09		TAS				m_e		
FUR	161.74		PKPab	21:54:28.807		25.9		1.09		TAS				m_e		
GEC2	160.40		PKPdf	21:53:43.150		25.9		1.09		TAS				m_e		
GRA1	160.35		PKPab	21:54:22.758		25.9		1.09		TAS				m_e		
GRA1	160.35		L	23:07:57.601						T__		1472.4	20.60	a_e Ms	5.8	
GTTG	158.88		PKPab	21:54:15.987		25.9		1.09		TAS				m_e		
IBBN	158.50		PKPab	21:54:14.547		25.9		1.09		TAS				m_e		
KAST	159.48		PKPdf	21:53:42.348		25.9		1.09		TAS				m_e		
KAST	159.48		PKPab	21:54:18.261		25.9		1.09		TAS				m_e		
MANZ	159.85		PKPdf	21:53:42.496		25.9		1.09		TAS				m_e		
MOX	159.37		PKPdf	21:53:41.797		25.9		1.09		TAS				m_e		
MOX	159.37		PKPab	21:54:18.092		25.9		1.09		TAS				m_e		
MOX	159.37		L	23:14:03.232						T__		1446.5	21.70	a_e Ms	5.8	
NEUB	158.82		PKPab	21:54:15.479		25.9		1.09		TAS				m_e		
RJOB	161.66		PKPdf	21:53:44.302		25.9		1.09		TAS				m_e		
RJOB	161.66		PKPab	21:54:28.710		25.9		1.09		TAS				m_e		
ROTZ	160.02		PKPab	21:54:21.376		25.9		1.09		TAS				m_e		
RUE	157.15		PKPdf	21:53:39.731	-0.1	25.9		1.09		TAS				m_e		
RUE	157.15		PKPab	21:54:08.534		25.9		1.09		TAS				m_e		
STU	161.68		PKPdf	21:53:44.651		25.9		1.09		TAS				m_e		
STU	161.68		PKPab	21:54:28.238		25.9		1.09		TAS				m_e		
TANN	159.37		PKPab	21:54:17.864		25.9		1.09		TAS				m_e		
TNS	160.43		PKPab	21:54:22.861		25.9		1.09		TAS				m_e		
UBBA	159.57		PKPdf	21:53:42.210		25.9		1.09		TAS				m_e		
UBBA	159.57		PKPab	21:54:18.548		25.9		1.09		TAS				m_e		
UBR	162.49		PKPdf	21:53:44.836		25.9		1.09		TAS				m_e		
UBR	162.49		PKPab	21:54:31.075		25.9		1.09		TAS				m_e		
WET	160.39		PKPdf	21:53:43.046		25.9		1.09		TAS				m_e		
WET	160.39		PKPab	21:54:22.498		25.9		1.09		TAS				m_e		
WLF	161.29		PKPdf	21:53:43.905		25.9		1.09		TAS				m_e		
WLF	161.29		PKPab	21:54:27.101		25.9		1.09		TAS				m_e		

Event 80708002 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/08	08:25:23.10			59.6250	162.4410				33.0			22		64.60	70.69	m i ke	BGR
OrigID 80708008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80708008
Ms	3.8		BGR	80708008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.38		P	08:36:19.083		15.2		6.27		TAS		7.4	1.20	m_e mb	4.8
BFO	70.35		P	08:36:31.373		15.2		6.27		TAS		2.8	0.91	m_e mb	4.4
BRG	66.94		P	08:36:10.022	0.2	15.2		6.27		TAS		2.6	0.75	m_e mb	4.5
BSEG	64.60		P	08:35:55.982	-0.5	15.2		6.27		TAS		3.9	0.73	m_e mb	4.7
BUG	67.48		P	08:36:13.774	0.2	15.2		6.27		TAS		7.4	0.65	m_e mb	5.1
CLL	66.69		P	08:36:08.353	0.1	15.2		6.27		TAS		5.5	0.81	m_e mb	4.8
CLZ	66.62		P	08:36:08.949	-0.5	15.2		6.27		TAS		6.1	0.92	m_e mb	4.8
FLT1	66.00		P	08:36:04.050	0.2	15.2		6.27		TAS		2.7	0.60	m_e mb	4.7
FUR	70.02		P	08:36:29.641		15.2		6.27		TAS		7.7	0.69	m_e mb	4.9
GEC2	68.93		P	08:36:22.821		15.2		6.27		TAS		4.2	0.64	m_e mb	4.8
GRA1	68.55		P	08:36:20.748		15.2		6.27		TAS		7.3	0.76	m_e mb	5.0
GRA1	68.55		L	09:05:16.676						T__		55.8	20.20	a_e Ms	3.8
IBBN	66.57		P	08:36:08.381	0.0	15.2		6.27		TAS		7.3	0.72	m_e mb	5.0
KAST	67.54		P	08:36:13.821	0.3	15.2		6.27		TAS		2.7	0.85	m_e mb	4.5
MANZ	68.12		P	08:36:17.910	0.2	15.2		6.27		TAS		0.7	0.82	m_e mb	4.0
MOX	67.57		P	08:36:14.235	0.0	15.2		6.27		TAS		5.2	0.69	m_e mb	4.9
MOX	67.57		L	09:08:00.645						T__		63.6	18.10	a_e Ms	3.9
RJOB	70.16		P	08:36:30.964		15.2		6.27		TAS		6.5	0.77	m_e mb	4.8
ROTZ	68.31		P	08:36:19.209		15.2		6.27		TAS		0.8	0.69	m_e mb	4.1
TANN	67.64		P	08:36:14.814	0.4	15.2		6.27		TAS		2.9	0.72	m_e mb	4.6
TNS	68.49		P	08:36:19.882		15.2		6.27		TAS		4.9	0.94	m_e mb	4.7
UBBA	67.67		P	08:36:14.493	-0.4	15.2		6.27		TAS		2.2	0.72	m_e mb	4.5
UBR	70.69		P	08:36:34.104		15.2		6.27		TAS		4.8	0.91	m_e mb	4.6
WET	68.79		P	08:36:22.280		15.2		6.27		TAS		4.0	0.79	m_e mb	4.7

Event 80708005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/08	21:04:36.51			-18.7290	170.8410				263.0			30		141.78	147.24	m i ke	BGR
OrigID 80708011																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	145.72	PKPbc	21:23:43.204	0.4	35.1	3.20	TAS	m_e
BFO	147.24	PKPbc	21:23:47.549		35.1	3.20	TAS	a_e
BRG	143.06	PKPbc	21:23:34.199	-0.3	35.1	3.20	TAS	a_e
BSEG	141.78	PKPbc	21:23:30.434	1.2	35.1	3.20	TAS	m_e
BUG	144.87	PKPbc	21:23:40.449	-0.3	35.1	3.20	TAS	a_e
CLL	143.07	PKPbc	21:23:34.245	0.2	35.1	3.20	TAS	m_e
CLZ	143.56	PKPbc	21:23:36.449	-0.1	35.1	3.20	TAS	a_e
FLT1	142.86	PKPbc	21:23:33.357	-0.5	35.1	3.20	TAS	m_e
FUR	146.27	PKPbc	21:23:45.049	-0.4	35.1	3.20	TAS	a_e
GEC2	144.74	PKPbc	21:23:39.899	0.5	35.1	3.20	TAS	m_e
GOR1	142.28	PKPbc	21:23:33.428	-0.4	35.1	3.20	TAS	m_e
GRA1	145.05	PKPbc	21:23:41.427	0.2	35.1	3.20	TAS	m_e
GTTG	143.94	PKPbc	21:23:37.749	0.1	35.1	3.20	TAS	a_e
IBBN	143.96	PKPbc	21:23:37.699	0.1	35.1	3.20	TAS	a_e
KAST	144.73	PKPbc	21:23:40.249	0.2	35.1	3.20	TAS	a_e
MANZ	144.47	PKPbc	21:23:39.399	0.1	35.1	3.20	TAS	a_e
MOX	144.12	PKPbc	21:23:38.049	-0.2	35.1	3.20	TAS	a_e
NEUB	143.61	PKPbc	21:23:36.249	0.2	35.1	3.20	TAS	a_e
NRDL	143.09	PKPbc	21:23:34.368	-0.1	35.1	3.20	TAS	m_e
PLN	144.05	PKPbc	21:23:37.899	0.3	35.1	3.20	TAS	a_e
RETH	143.11	PKPbc	21:23:34.644	0.3	35.1	3.20	TAS	m_e
RJOB	145.97	PKPbc	21:23:43.749	-0.4	35.1	3.20	TAS	a_e
ROTZ	144.61	PKPbc	21:23:39.857	-0.3	35.1	3.20	TAS	m_e
STU	146.56	PKPbc	21:23:45.899		35.1	3.20	TAS	a_e
STU	146.56	pPKPbc	21:24:50.835				T__	m_e
TANN	143.99	PKPbc	21:23:37.699	0.3	35.1	3.20	TAS	a_e
TNS	145.57	PKPbc	21:23:42.932	0.1	35.1	3.20	TAS	m_e
UBBA	144.55	PKPbc	21:23:39.499	0.2	35.1	3.20	TAS	m_e
UBR	147.12	PKPbc	21:23:47.149		35.1	3.20	TAS	a_e
WET	144.84	PKPbc	21:23:40.499	-0.2	35.1	3.20	TAS	a_e
WLF	146.78	PKPbc	21:23:47.199		35.1	3.20	TAS	a_e
WLF	146.78	pPKPbc	21:24:53.284				T__	m_e

Event 80709001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/09	02:42:33.98			52.2370	-176.7760				33.0			32		73.25	80.29	m i ke	BGR
	80709007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80709007
Ms	4.5		BGR	80709007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.55		P	02:54:24.550	0.0	5.0		5.56		TAS		35.9	0.98	a_e	mb 5.5
BFO	79.72		P	02:54:36.150	-0.1	5.0		5.56		TAS		16.4	1.07	a_e	mb 4.9

BRG	76.87	P	02:54:20.500	0.0	5.0	5.56	TAS	24.8	1.03	a_e	mb	5.3
BSEG	74.03	P	02:54:05.040	0.3	5.0	5.56	TAS	39.3	0.97	m_e	mb	5.4
BUG	76.64	P	02:54:19.000	0.0	5.0	5.56	TAS	29.9	1.07	a_e	mb	5.3
CLL	76.50	P	02:54:18.250	-0.0	5.0	5.56	TAS	19.5	0.97	a_e	mb	5.2
CLZ	76.12	P	02:54:16.850	-0.4	5.0	5.56	TAS	46.3	1.03	a_e	mb	5.6
FLT1	75.59	P	02:54:13.050	0.0	5.0	5.56	TAS	33.0	1.09	a_e	mb	5.4
FUR	79.74	P	02:54:36.754	-0.2	5.0	5.56	TAS	18.1	1.04	m_e	mb	4.9
GEC2	78.90	P	02:54:31.950	-0.3	5.0	5.56	TAS	15.4	1.04	m_e	mb	5.0
GOR1	74.93	P	02:54:10.200	0.1	5.0	5.56	TAS	49.6	1.20	a_e	mb	5.4
GRA1	78.22	P	02:54:28.650	0.2	5.0	5.56	TAS	43.8	1.05	a_e	mb	5.5
GRA1	78.22	L	03:28:41.266				T__	230.3	21.90	a_e	Ms	4.5
GTTG	76.44	P	02:54:18.550	-0.4	5.0	5.56	TAS	48.1	1.09	a_e	mb	5.5
IBBN	75.76	P	02:54:14.500	0.3	5.0	5.56	TAS	71.5	1.02	a_e	mb	5.7
KAST	76.84	P	02:54:20.550	-0.1	5.0	5.56	TAS	23.0	1.16	a_e	mb	5.2
MANZ	77.88	P	02:54:26.300	0.4	5.0	5.56	TAS	3.6	1.10	a_e	mb	4.4
MOX	77.25	P	02:54:22.850	0.2	5.0	5.56	TAS	24.0	1.05	a_e	mb	5.3
MOX	77.25	L	03:34:24.956				T__	215.5	19.60	a_e	Ms	4.5
NEUB	76.69	P	02:54:19.700	-0.2	5.0	5.56	TAS	45.0	0.92	a_e	mb	5.6
NRDL	75.48	P	02:54:12.800	-0.5	5.0	5.56	TAS	23.6	1.08	a_e	mb	5.1
PLN	77.37	P	02:54:23.500	0.2	5.0	5.56	TAS	14.1	1.05	a_e	mb	5.0
RETH	75.27	P	02:54:11.850	0.2	5.0	5.56	TAS	28.6	1.15	a_e	mb	5.2
RGN	73.25	P	02:54:00.279	-0.3	5.0	5.56	TAS	86.7	0.85	m_e	mb	5.9
RJOB	80.07	P	02:54:38.350		5.0	5.56	TAS	7.1	0.96	a_e	mb	4.6
ROTZ	78.09	P	02:54:27.650	0.1	5.0	5.56	TAS	4.6	1.17	a_e	mb	4.5
RUE	75.28	P	02:54:12.097	-0.2	5.0	5.56	TAS	44.0	1.04	m_e	mb	5.4
STU	79.24	P	02:54:33.782	0.1	5.0	5.56	TAS	49.4	0.79	m_e	mb	5.6
TANN	77.43	P	02:54:24.000	-0.0	5.0	5.56	TAS	15.7	1.15	a_e	mb	5.0
TNS	77.82	P	02:54:25.950	0.2	5.0	5.56	TAS	29.9	1.00	a_e	mb	5.4
UBBA	77.16	P	02:54:22.250	0.0	5.0	5.56	TAS	36.2	1.56	a_e	mb	5.3
UBR	80.29	P	02:54:39.550		5.0	5.56	TAS	13.8	1.24	m_e	mb	4.7
WET	78.66	P	02:54:30.850	-0.1	5.0	5.56	TAS	15.1	1.23	a_e	mb	4.9
WLF	78.45	P	02:54:29.500	-0.0	5.0	5.56	TAS	23.0	0.98	a_e	mb	5.3

Event 80710001 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/10	01:08:14.77			63.1870	-150.4890			120.9		5.8		23		62.26	68.63	m i ke	BGR
80710007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80710007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	67.57		P	01:19:04.599		351.1		6.42		TAS		2.9	0.92	m_e	mb	4.5
BRG	65.62		P	01:18:52.645	0.8	351.1		6.42		TAS		7.6	0.77	m_e	mb	5.0
BRG	65.62		pP	01:19:22.564						T__				m_e		

BSEG	62.26	P	01:18:32.163	0.3	351.1	6.42	TAS	9.2	0.80	m_e	mb	5.1
BUG	64.38	P	01:18:42.720	0.4	351.1	6.42	TAS	9.0	0.67	m_e	mb	5.1
CLL	65.11	P	01:18:47.714	0.3	351.1	6.42	TAS	5.1	0.70	m_e	mb	4.9
CLZ	64.33	P	01:18:44.591	0.1	351.1	6.42	TAS	12.3	0.67	m_e	mb	5.3
CLZ	64.33	pP	01:19:14.061				T__				m_e	
FLT1	63.93	P	01:18:40.908	0.1	351.1	6.42	TAS	4.7	0.65	m_e	mb	4.9
FUR	68.06	P	01:19:08.347		351.1	6.42	TAS	12.9	0.77	m_e	mb	5.2
GEC2	67.61	P	01:19:05.159		351.1	6.42	TAS	5.7	0.91	m_e	mb	4.8
GRA1	66.54	P	01:18:57.352		351.1	6.42	TAS	6.3	0.72	m_e	mb	4.9
GTTG	64.58	P	01:18:45.805		351.1	6.42	TAS	7.9	0.78	m_e	mb	5.0
GTTG	64.58	pP	01:19:15.055				T__				m_e	
IBBN	63.59	P	01:18:39.697	0.0	351.1	6.42	TAS	9.3	0.83	m_e	mb	5.0
KAST	64.75	P	01:18:46.921	0.1	351.1	6.42	TAS	4.7	1.00	m_e	mb	4.7
MANZ	66.34	P	01:18:57.252		351.1	6.42	TAS	1.0	0.98	m_e	mb	4.0
MANZ	66.34	pP	01:19:25.588				T__				m_e	
MOX	65.64	P	01:18:52.675	-0.1	351.1	6.42	TAS	9.3	0.72	m_e	mb	5.1
MOX	65.64	pP	01:19:22.707				T__				m_e	
NEUB	65.11	P	01:18:49.352	0.1	351.1	6.42	TAS	9.3	0.68	m_e	mb	5.1
NEUB	65.11	pP	01:19:18.306				T__				m_e	
NRDL	63.66	P	01:18:39.903	-1.8	351.1	6.42	TAS	5.1	0.82	m_e	mb	4.8
NRDL	63.66	pP	01:19:09.797				T__				m_e	
RJOB	68.63	P	01:19:11.919		351.1	6.42	TAS	10.6	0.82	m_e	mb	5.1
RJOB	68.63	pP	01:19:41.939				T__				m_e	
ROTZ	66.56	P	01:18:58.714		351.1	6.42	TAS	1.3	0.82	m_e	mb	4.2
ROTZ	66.56	pP	01:19:29.095				T__				m_e	
TANN	65.95	P	01:18:54.960	0.1	351.1	6.42	TAS	6.3	0.99	m_e	mb	4.8
TANN	65.95	pP	01:19:24.015				T__				m_e	
TNS	65.72	P	01:18:53.419	-0.1	351.1	6.42	TAS	5.0	0.63	m_e	mb	4.9
TNS	65.72	pP	01:19:22.694				T__				m_e	
UBBA	65.30	P	01:18:50.547	0.4	351.1	6.42	TAS	3.9	0.65	m_e	mb	4.8
UBR	68.41	P	01:19:10.290		351.1	6.42	TAS	4.7	0.77	m_e	mb	4.8
UBR	68.41	pP	01:19:40.637				T__				m_e	
WET	67.24	P	01:19:03.364		351.1	6.42	TAS	4.6	0.88	m_e	mb	4.7
WET	67.24	pP	01:19:32.411				T__				m_e	
WLF	65.99	P	01:18:55.455		351.1	6.42	TAS	6.5	0.82	m_e	mb	4.9
WLF	65.99	pP	01:19:25.387				T__				m_e	

Event 80710002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/10	04:56:05.75			42.7950	142.0260				66.3	13.7		21		75.15	80.52	m i ke	BGR
80710008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80710008

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.52		P	05:08:07.818		34.6		5.54		TAS		9.5	0.94	m_e	mb 4.8
BFO	80.52		pP	05:08:24.866						T__				m_e	
BRG	76.35		P	05:07:44.954	-0.1	34.6		5.54		TAS		4.8	0.96	m_e	mb 4.6
BSEG	75.15		P	05:07:39.018	-0.6	34.6		5.54		TAS		18.4	0.81	m_e	mb 5.2
BUG	78.26		P	05:07:55.874		34.6		5.54		TAS		12.5	0.84	m_e	mb 5.1
CLL	76.35		P	05:07:44.885	-0.0	34.6		5.54		TAS		13.6	0.84	m_e	mb 5.1
CLL	76.35		pP	05:08:02.208						T__				m_e	
CLZ	76.86		P	05:07:48.754	-0.2	34.6		5.54		TAS		14.4	0.81	m_e	mb 5.1
FLT1	76.15		P	05:07:43.737	0.5	34.6		5.54		TAS		21.0	0.83	m_e	mb 5.3
FUR	79.56		P	05:08:03.517		34.6		5.54		TAS		21.0	0.70	m_e	mb 5.2
GEC2	78.07		P	05:07:55.011		34.6		5.54		TAS		4.1	0.80	m_e	mb 4.6
GEC2	78.07		pP	05:08:13.208						T__				m_e	
GRA1	78.33		P	05:07:56.982		34.6		5.54		TAS		18.9	0.77	m_e	mb 5.3
IBBN	77.36		P	05:07:51.042	-0.0	34.6		5.54		TAS		22.0	0.86	m_e	mb 5.3
IBBN	77.36		pP	05:08:12.249						T__				m_e	
KAST	78.07		P	05:07:54.834		34.6		5.54		TAS		6.9	0.89	m_e	mb 4.8
MANZ	77.75		P	05:07:53.396	0.2	34.6		5.54		TAS		1.6	0.92	m_e	mb 4.2
MANZ	77.75		pP	05:08:10.111						T__				m_e	
MOX	77.40		P	05:07:51.457	0.5	34.6		5.54		TAS		6.1	0.94	m_e	mb 4.7
NEUB	76.89		P	05:07:48.412	-0.1	34.6		5.54		TAS		20.6	0.86	m_e	mb 5.3
NRDL	76.41		P	05:07:45.854	0.1	34.6		5.54		TAS		7.9	0.82	m_e	mb 4.9
RJOB	79.33		P	05:08:02.416		34.6		5.54		TAS		12.0	0.85	m_e	mb 4.9
ROTZ	77.90		P	05:07:53.846	-0.7	34.6		5.54		TAS		1.7	0.90	m_e	mb 4.2
STU	79.83		P	05:08:04.626		34.6		5.54		TAS		40.7	0.70	m_e	mb 5.5
TANN	77.27		P	05:07:50.509	0.0	34.6		5.54		TAS		3.7	1.00	m_e	mb 4.5
WET	78.15		P	05:07:55.426		34.6		5.54		TAS		10.0	0.91	m_e	mb 4.9

Event 80710004 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/10	06:04:02.86			54.2150	161.0380				33.0			18		69.53	75.54	m i ke	BGR
80710010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80710010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	75.26		P	06:15:40.649		17.9		5.92		TAS		3.5	0.80	m_e	mb 4.4
BRG	71.72		P	06:15:20.228	-0.3	17.9		5.92		TAS		4.7	0.86	m_e	mb 4.6
BSEG	69.53		P	06:15:06.986	-0.5	17.9		5.92		TAS		5.6	0.63	m_e	mb 4.8
CLL	71.50		P	06:15:18.412	0.7	17.9		5.92		TAS		10.1	0.83	m_e	mb 5.0
CLZ	71.51		P	06:15:19.410	0.4	17.9		5.92		TAS		9.4	0.87	m_e	mb 4.9
FLT1	70.88		P	06:15:14.739	-0.1	17.9		5.92		TAS		5.1	0.78	m_e	mb 4.7
GEC2	73.68		P	06:15:31.287		17.9		5.92		TAS		4.0	0.93	m_e	mb 4.4
KAST	72.48		P	06:15:24.911		17.9		5.92		TAS		5.3	0.78	m_e	mb 4.7

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MANZ	72.94	P	06:15:27.856		17.9	5.92	TAS	1.1	0.97	m_e	mb	4.0
MOX	72.41	P	06:15:24.235	0.1	17.9	5.92	TAS	8.8	1.09	m_e	mb	4.8
NRDL	70.94	P	06:15:15.551	0.3	17.9	5.92	TAS	3.5	0.73	m_e	mb	4.6
RJOB	74.93	P	06:15:39.325		17.9	5.92	TAS	3.7	0.66	m_e	mb	4.5
ROTZ	73.13	P	06:15:29.036		17.9	5.92	TAS	1.0	0.92	m_e	mb	3.9
TANN	72.46	P	06:15:24.900	-0.1	17.9	5.92	TAS	2.5	0.83	m_e	mb	4.4
TNS	73.42	P	06:15:29.960		17.9	5.92	TAS	4.6	0.72	m_e	mb	4.7
UBBA	72.56	P	06:15:25.892		17.9	5.92	TAS	3.0	0.62	m_e	mb	4.6
UBR	75.54	P	06:15:42.728		17.9	5.92	TAS	5.9	0.81	m_e	mb	4.8
WET	73.58	P	06:15:31.316		17.9	5.92	TAS	4.5	0.85	m_e	mb	4.5

Event 80710007 Southwest Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/10	10:26:25.81			-30.8740	58.3730				33.0			17		88.31	93.10	m i ke	BGR
80710013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80710013
Ms	4.7		BGR	80710013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	92.87		P	10:39:36.365		141.0		4.64		TAS		7.5	0.70	m_e	mb	5.2
BFO	90.68		P	10:39:27.235	1.7	141.0		4.64		TAS		8.3	0.94	m_e	mb	5.0
BRG	90.34		P	10:39:25.561	-0.1	141.0		4.64		TAS		7.4	0.98	m_e	mb	4.9
CLZ	92.49		P	10:39:37.279		141.0		4.64		TAS		8.5	1.05	m_e	mb	5.0
FLT1	92.53		P	10:39:35.661		141.0		4.64		TAS		7.1	1.02	m_e	mb	5.0
FUR	89.28		P	10:39:21.313	0.7	141.0		4.64		TAS		44.2	0.84	m_e	mb	5.7
GEC2	88.82		P	10:39:18.085	-0.5	141.0		4.64		TAS		5.2	0.87	m_e	mb	4.8
GRA1	90.49		L	11:20:24.221						T__		256.2	21.50	a_e	Ms	4.6
MANZ	90.36		P	10:39:26.046	0.4	141.0		4.64		TAS		1.4	0.92	m_e	mb	4.2
MOX	91.07		L	11:25:20.835						T__		291.2	20.60	a_e	Ms	4.7
NEUB	91.44		P	10:39:30.535	-1.0	141.0		4.64		TAS		11.0	0.91	m_e	mb	5.2
NRDL	93.10		P	10:39:38.267		141.0		4.64		TAS		4.1	0.89	m_e	mb	4.9
RJOB	88.31		P	10:39:15.866	-0.3	141.0		4.64		TAS		10.5	0.81	m_e	mb	5.2
ROTZ	90.15		P	10:39:24.114	-0.6	141.0		4.64		TAS		1.4	1.07	m_e	mb	4.1
STU	90.63		P	10:39:27.629	-0.2	141.0		4.64		TAS		28.2	0.66	m_e	mb	5.7
TNS	92.05		P	10:39:33.020		141.0		4.64		TAS		6.5	0.99	m_e	mb	4.9
UBR	89.40		P	10:39:21.749	0.5	141.0		4.64		TAS		27.6	0.87	m_e	mb	5.5
WET	89.39		P	10:39:20.649	-0.5	141.0		4.64		TAS		7.4	1.01	m_e	mb	4.9
WLF	92.63		P	10:39:35.940		141.0		4.64		TAS		10.1	0.89	m_e	mb	5.3

Event 80710008 Mauritius - Reunion region

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/10	16:05:46.25			-24.9380	55.1250				26.4	2.1		21		81.74	86.31	m i ke	BGR
80710014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80710014
Ms	4.7		BGR	80710014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.31		P	16:18:27.244		140.8		5.07		TAS		3.7	0.74	m_e	mb	4.6
BFO	84.12		P	16:18:15.793	-0.1	140.8		5.07		TAS		42.5	1.36	m_e	mb	5.5
BFO	84.12		pP	16:18:23.879						T__				m_e		
BRG	83.77		P	16:18:14.528	0.4	140.8		5.07		TAS		17.0	1.17	m_e	mb	5.2
CLZ	85.92		P	16:18:23.626	0.3	140.8		5.07		TAS		14.9	1.15	m_e	mb	5.0
FLT1	85.96		P	16:18:24.379		140.8		5.07		TAS		11.1	1.13	m_e	mb	4.9
FUR	82.71		P	16:18:09.602	0.9	140.8		5.07		TAS		47.8	0.82	m_e	mb	5.8
GEC2	82.25		P	16:18:06.149	-0.2	140.8		5.07		TAS		59.3	1.57	m_e	mb	5.5
GRA1	83.92		P	16:18:15.639	0.8	140.8		5.07		TAS		52.1	1.28	m_e	mb	5.6
GRA1	83.92		pP	16:18:23.156						T__				m_e		
GRA1	83.92		L	17:04:01.431						T__		311.0	18.30	a_e	Ms	4.7
KAST	86.23		P	16:18:27.925		140.8		5.07		TAS		8.6	1.06	m_e	mb	4.8
MANZ	83.79		P	16:18:13.885	-0.3	140.8		5.07		TAS		4.3	1.26	m_e	mb	4.5
MANZ	83.79		pP	16:18:21.408						T__				m_e		
MOX	84.50		P	16:18:17.646	0.0	140.8		5.07		TAS		50.3	1.61	m_e	mb	5.5
MOX	84.50		L	17:04:09.262						T__		312.0	20.30	a_e	Ms	4.7
NEUB	84.87		P	16:18:19.567	1.6	140.8		5.07		TAS		6.7	0.75	m_e	mb	5.0
RJOB	81.74		P	16:18:04.203	0.4	140.8		5.07		TAS		16.3	0.98	m_e	mb	5.1
ROTZ	83.57		P	16:18:12.297	-0.8	140.8		5.07		TAS		3.2	1.14	m_e	mb	4.5
RUE	85.11		P	16:18:20.903	-1.4	140.8		5.07		TAS		12.4	0.68	m_e	mb	5.3
STU	84.07		P	16:18:16.063	0.5	140.8		5.07		TAS				m_e		
TANN	83.98		P	16:18:15.422	0.2	140.8		5.07		TAS		53.0	1.47	m_e	mb	5.6
UBBA	85.29		P	16:18:23.331	-0.8	140.8		5.07		TAS		13.7	1.35	m_e	mb	5.0
UBBA	85.29		pP	16:18:29.103						T__				m_e		
UBR	82.84		P	16:18:07.827	-1.5	140.8		5.07		TAS		45.0	0.99	m_e	mb	5.7
WET	82.81		P	16:18:08.941	-0.3	140.8		5.07		TAS		29.9	1.35	m_e	mb	5.3
WET	82.81		pP	16:18:16.750						T__				m_e		
WLF	86.07		P	16:18:24.763		140.8		5.07		TAS		22.3	1.15	m_e	mb	5.2
WLF	86.07		pP	16:18:32.663						T__				m_e		

Event 80711001 Southwest Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/11	00:33:42.68			-30.9940	59.2450				33.0			22		88.78	94.37	m i ke	BGR
80711007																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 80711007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.16		P	00:46:45.551	-0.0	140.4		4.63		TAS		5.8	0.97	m_e	mb 4.9
BRG	90.79		P	00:46:44.331	0.5	140.4		4.63		TAS		11.6	1.23	m_e	mb 5.1
BUG	93.93		P	00:46:56.665		140.4		4.63		TAS		7.3	0.97	m_e	mb 5.0
CLL	91.49		P	00:46:47.694	0.5	140.4		4.63		TAS		2.0	0.80	m_e	mb 4.5
CLZ	92.95		P	00:46:54.200	-1.7	140.4		4.63		TAS		3.2	0.79	m_e	mb 4.8
FLT1	92.98		P	00:46:54.015	0.7	140.4		4.63		TAS		7.0	1.12	m_e	mb 5.0
FUR	89.75		P	00:46:40.079	1.0	140.4		4.63		TAS		33.7	0.77	m_e	mb 5.6
GEC2	89.28		P	00:46:36.579	-0.3	140.4		4.63		TAS		3.8	0.84	m_e	mb 4.7
GRA1	90.95		P	00:46:44.997	0.4	140.4		4.63		TAS		5.3	0.94	m_e	mb 4.8
IBBN	94.37		P	00:47:01.076		140.4		4.63		TAS		4.3	0.86	m_e	mb 4.8
MANZ	90.82		P	00:46:43.943	-0.1	140.4		4.63		TAS		1.1	0.94	m_e	mb 4.2
MOX	91.53		P	00:46:47.745	-0.7	140.4		4.63		TAS		3.2	0.98	m_e	mb 4.6
NEUB	91.89		P	00:46:48.271	0.5	140.4		4.63		TAS		7.7	0.90	m_e	mb 5.0
NRDL	93.55		P	00:46:56.966		140.4		4.63		TAS		4.3	1.04	m_e	mb 4.7
RJOB	88.78		P	00:46:34.487	-0.1	140.4		4.63		TAS		10.0	0.99	m_e	mb 5.0
ROTZ	90.61		P	00:46:40.762	-2.2	140.4		4.63		TAS		5.6	1.58	m_e	mb 4.7
STU	91.11		P	00:46:44.992	-0.4	140.4		4.63		TAS		21.3	0.78	m_e	mb 5.5
TANN	91.01		P	00:46:45.189	0.3	140.4		4.63		TAS		6.7	1.16	m_e	mb 4.9
TNS	92.52		P	00:46:52.366	0.4	140.4		4.63		TAS		4.0	0.93	m_e	mb 4.8
UBR	89.89		P	00:46:40.025	0.3	140.4		4.63		TAS		32.4	1.03	m_e	mb 5.5
WET	89.85		P	00:46:39.221	-0.3	140.4		4.63		TAS		4.4	0.91	m_e	mb 4.7
WLF	93.12		P	00:46:54.996		140.4		4.63		TAS		8.6	0.93	m_e	mb 5.2

Event 80711002 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/11	05:47:25.59			-2.3420	-13.9590				36.2	2.7		31		54.07	59.61	m i ke	BGR
OrigID 80711008																	

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 80711008
 Ms 4.8 BGR 80711008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	55.68		P	05:57:00.762	0.6	210.7		7.13		TAS		39.0	1.45	a_e	mb 5.2
BFO	54.07		P	05:56:48.612	-0.3	210.7		7.13		TAS		23.5	1.08	a_e	mb 5.1
BRG	58.12		P	05:57:17.812	-0.2	210.7		7.13		TAS		27.4	1.32	a_e	mb 5.1
BSEG	59.61		P	05:57:27.612		210.7		7.13		TAS		22.0	1.00	m_e	mb 5.1
BSEG	59.61		pP	05:57:37.792	1.1					T_				m_e	
BUG	56.54		P	05:57:06.262	0.0	210.7		7.13		TAS		15.6	0.98	a_e	mb 5.0
CLL	58.17		P	05:57:17.962	0.4	210.7		7.13		TAS		11.5	1.03	a_e	mb 4.8
CLZ	57.79		P	05:57:15.212	-0.2	210.7		7.13		TAS		7.9	1.03	a_e	mb 4.7

FLT1	58.48	P	05:57:20.112	0.3	210.7	7.13	TAS	12.9	1.04	a_e	mb	4.9
FUR	54.90	P	05:56:55.012	0.1	210.7	7.13	TAS			a_e		
GEC2	56.35	P	05:57:05.712	0.7	210.7	7.13	TAS	50.4	1.37	m_e	mb	5.4
GEC2	56.35	pP	05:57:15.426	1.1			T__			m_e		
GOR1	59.07	P	05:57:24.862	-0.3	210.7	7.13	TAS	78.5	1.29	a_e	mb	5.6
GRA1	56.20	P	05:57:03.912	-0.2	210.7	7.13	TAS	19.0	0.62	a_e	mb	5.3
GRA1	56.20	L	06:22:41.463				T__	1084.7	18.30	a_e	Ms	5.0
GTTG	57.41	P	05:57:13.012	0.3	210.7	7.13	TAS	13.0	0.88	a_e	mb	5.0
IBBN	57.46	P	05:57:12.712	-0.0	210.7	7.13	TAS	47.6	1.54	a_e	mb	5.3
KAST	56.65	P	05:57:07.162	0.0	210.7	7.13	TAS	52.2	1.82	a_e	mb	5.3
KAST	56.65	pP	05:57:16.809	1.1			T__			m_e		
MANZ	56.74	P	05:57:08.012	-0.0	210.7	7.13	TAS	8.4	1.22	a_e	mb	4.6
MOX	57.14	P	05:57:10.812	-0.1	210.7	7.13	TAS	32.8	1.35	a_e	mb	5.2
MOX	57.14	L	06:21:21.186				T__	615.7	19.40	a_e	Ms	4.7
NEUB	57.67	P	05:57:14.562	-0.1	210.7	7.13	TAS			a_e		
NRDL	58.28	P	05:57:19.312	-0.2	210.7	7.13	TAS	33.5	1.62	a_e	mb	5.1
PLN	57.19	P	05:57:10.962	-0.2	210.7	7.13	TAS	18.5	1.13	a_e	mb	5.0
RETH	58.29	P	05:57:19.212	0.4	210.7	7.13	TAS	88.2	1.97	a_e	mb	5.5
RJOB	55.09	P	05:56:56.112	0.1	210.7	7.13	TAS	25.2	0.72	a_e	mb	5.3
ROTZ	56.59	P	05:57:06.912	-0.0	210.7	7.13	TAS	12.5	1.82	a_e	mb	4.6
RUE	59.41	P	05:57:26.812		210.7	7.13	TAS	23.9	0.55	a_e	mb	5.4
STU	54.73	P	05:56:53.112	-0.6	210.7	7.13	TAS	72.9	0.35	a_e	mb	6.1
TANN	57.23	P	05:57:11.462	-0.0	210.7	7.13	TAS	24.1	1.07	a_e	mb	5.2
TANN	57.23	pP	05:57:22.186	1.1			T__			m_e		
TNS	55.79	P	05:57:01.012	-0.1	210.7	7.13	TAS	76.1	1.94	a_e	mb	5.4
UBBA	56.78	P	05:57:08.412	0.2	210.7	7.13	TAS	33.0	1.45	a_e	mb	5.2
UBBA	56.78	pP	05:57:18.002	1.1			T__			m_e		
UBR	54.09	P	05:56:48.862	-0.2	210.7	7.13	TAS	39.6	0.82	a_e	mb	5.5
WET	56.30	P	05:57:05.112	0.3	210.7	7.13	TAS	29.9	1.18	a_e	mb	5.2
WLF	54.63	P	05:56:52.562	-0.1	210.7	7.13	TAS	24.4	1.25	a_e	mb	5.1

Event 80711007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/11	13:25:34.51			-21.7770	-177.8600				550.0			23		147.30	153.37	m i ke	BGR
80711013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.04		PKPbc	13:44:30.431		17.7		2.36		TAS				m_e	
BRG	149.52		PKPbc	13:44:22.430	0.3	17.7		2.36		TAS				m_e	
BSEG	147.30		PKPbc	13:44:16.457	-0.3	17.7		2.36		TAS				m_e	
CLL	149.33		PKPbc	13:44:21.572	-0.1	17.7		2.36		TAS				m_e	
CLZ	149.32		PKPbc	13:44:22.009	0.3	17.7		2.36		TAS				m_e	
FLT1	148.70		PKPbc	13:44:19.871	0.2	17.7		2.36		TAS				m_e	

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FUR	152.67	PKPbc	13:44:29.178		17.7	2.36	TAS	m_e
GEC2	151.46	PKPbc	13:44:26.773		17.7	2.36	TAS	m_e
GTTG	149.67	PKPbc	13:44:22.733	0.2	17.7	2.36	TAS	m_e
KAST	150.22	PKPbc	13:44:23.958	-0.1	17.7	2.36	TAS	m_e
MANZ	150.77	PKPbc	13:44:25.416	-0.1	17.7	2.36	TAS	m_e
MOX	150.24	PKPbc	13:44:23.925	0.1	17.7	2.36	TAS	m_e
NEUB	149.69	PKPbc	13:44:22.697	0.2	17.7	2.36	TAS	m_e
NRDL	148.73	PKPbc	13:44:20.079	0.2	17.7	2.36	TAS	m_e
RJOB	152.72	PKPbc	13:44:29.383		17.7	2.36	TAS	m_e
ROTZ	150.95	PKPbc	13:44:25.725	-0.3	17.7	2.36	TAS	m_e
STU	152.48	PKPbc	13:44:29.301		17.7	2.36	TAS	m_e
TANN	150.29	PKPbc	13:44:24.212	-0.4	17.7	2.36	TAS	m_e
TNS	151.18	PKPbc	13:44:26.377		17.7	2.36	TAS	m_e
UBBA	150.37	PKPbc	13:44:24.072	-0.4	17.7	2.36	TAS	m_e
UBR	153.37	PKPbc	13:44:30.941		17.7	2.36	TAS	m_e
WET	151.38	PKPbc	13:44:26.607		17.7	2.36	TAS	m_e
WLF	151.99	PKPbc	13:44:28.420		17.7	2.36	TAS	m_e

Event 80711010 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/11	15:34:13.33			-19.9630	170.4970				103.7	11.3		25		143.88	148.25	m i ke	BGR
80711016																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.78		PKPbc	15:53:41.754		36.5		3.13		TAS				m_e	
BFO	148.25		PKPbc	15:53:46.129		36.5		3.13		TAS				m_e	
BRG	144.03		PKPbc	15:53:32.706	-0.7	36.5		3.13		TAS				m_e	
BRG	144.03		PP	15:57:05.084						T__				m_e	
BUG	145.93		PKPbc	15:53:39.182	-0.5	36.5		3.13		TAS				m_e	
BUG	145.93		pPKPbc	15:54:06.269						T__				m_e	
CLL	144.06		PKPbc	15:53:32.594	0.0	36.5		3.13		TAS				m_e	
CLL	144.06		PP	15:57:05.028						T__				m_e	
CLZ	144.59		PKPbc	15:53:37.384	0.3	36.5		3.13		TAS				a_e	
CLZ	144.59		PP	15:57:06.325						T__				m_e	
FLT1	143.88		PP	15:57:03.769						T__				m_e	
FUR	147.24		PKPbc	15:53:43.849		36.5		3.13		TAS				m_e	
GEC2	145.68		PKPbc	15:53:38.684	0.2	36.5		3.13		TAS				m_e	
GRA1	146.04		PKPbc	15:53:40.128		36.5		3.13		TAS				m_e	
GTTG	144.97		PKPbc	15:53:36.684	-0.1	36.5		3.13		TAS				a_e	
IBBN	145.03		PKPbc	15:53:36.225	-0.5	36.5		3.13		TAS				m_e	
KAST	145.78		PKPbc	15:53:38.998	0.5	36.5		3.13		TAS				m_e	
KAST	145.78		pPKPbc	15:54:05.132						T__				m_e	
MANZ	145.46		PKPbc	15:53:38.070	-0.5	36.5		3.13		TAS				m_e	

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MOX	145.12	PKPbc	15:53:36.777	0.2	36.5	3.13	TAS	m_e
NEUB	144.62	PKPbc	15:53:35.065	-0.0	36.5	3.13	TAS	m_e
PLN	145.04	PKPbc	15:53:36.585	0.4	36.5	3.13	TAS	m_e
RETH	144.16	PP	15:57:05.163				T__	m_e
RJOB	146.92	PKPbc	15:53:42.380		36.5	3.13	TAS	m_e
RJOB	146.92	pPKPbc	15:54:13.075				T__	m_e
ROTZ	145.59	PKPbc	15:53:38.630	0.4	36.5	3.13	TAS	m_e
STU	147.56	PKPbc	15:53:44.684		36.5	3.13	TAS	a_e
TANN	144.98	PKPbc	15:53:36.445	0.2	36.5	3.13	TAS	m_e
TANN	144.98	PP	15:57:07.261				T__	m_e
TNS	146.61	PKPbc	15:53:41.836		36.5	3.13	TAS	m_e
UBBA	145.57	PKPbc	15:53:38.263	-0.2	36.5	3.13	TAS	m_e
UBR	148.10	PKPbc	15:53:45.884		36.5	3.13	TAS	a_e
WET	145.81	PKPbc	15:53:39.180	-0.3	36.5	3.13	TAS	m_e
WLF	147.84	PKPbc	15:53:46.084		36.5	3.13	TAS	a_e

Event 80712001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/12	06:51:22.13			-23.5800	-182.2700				550.0			30		148.24	154.00	m i ke	BGR
80712007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.12		PKPab	07:10:27.596	0.1	19.1		2.18		TAS				m_e	
BFO	153.91		PKPbc	07:10:18.967		19.1		2.18		TAS				m_e	
BFO	153.91		PKPab	07:10:35.618		19.1		2.18		TAS				m_e	
BRG	149.99		PKPbc	07:10:11.087	-0.2	19.1		2.18		TAS				m_e	
BRG	149.99		PKPab	07:10:20.308	-0.1	19.1		2.18		TAS				m_e	
BRG	149.99		pPKPbc	07:12:18.982						T__				m_e	
BSEG	148.24		PKPbc	07:10:06.153	-0.1	19.1		2.18		TAS				m_e	
BSEG	148.24		PKPab	07:10:11.859	-0.1	19.1		2.18		TAS				m_e	
BUG	151.23		PKPbc	07:10:12.525	0.1	19.1		2.18		TAS				m_e	
BUG	151.23		PKPab	07:10:23.778	0.1	19.1		2.18		TAS				m_e	
CLL	149.91		PKPbc	07:10:10.545	0.1	19.1		2.18		TAS				m_e	
CLL	149.91		PKPab	07:10:19.456	0.0	19.1		2.18		TAS				m_e	
CLZ	150.16		PKPbc	07:10:11.078	0.1	19.1		2.18		TAS				m_e	
CLZ	150.16		PKPab	07:10:19.993	0.2	19.1		2.18		TAS				m_e	
FLT1	149.49		PKPbc	07:10:09.114	-0.0	19.1		2.18		TAS				m_e	
FLT1	149.49		PKPab	07:10:16.917	-0.2	19.1		2.18		TAS				m_e	
FUR	153.21		PKPab	07:10:34.378		19.1		2.18		TAS				m_e	
GEC2	151.80		PKPbc	07:10:14.975		19.1		2.18		TAS				m_e	
GEC2	151.80		PKPab	07:10:28.368	-0.1	19.1		2.18		TAS				m_e	
GEC2	151.80		pPKPbc	07:12:23.188						T__				m_e	
GOR1	148.87		PKPbc	07:10:07.971	-0.1	19.1		2.18		TAS				m_e	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 80712010
 Ms 4.2 BGR 80712010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.18		P	08:51:52.814		38.0		5.27		TAS		11.2	0.87	m_e	mb 5.1
BRG	79.93		P	08:51:30.365	-0.4	38.0		5.27		TAS		9.9	1.05	m_e	mb 4.7
BSEG	78.94		P	08:51:25.054	-0.2	38.0		5.27		TAS		23.1	1.16	m_e	mb 5.1
CLL	79.97		P	08:51:30.458	0.0	38.0		5.27		TAS		15.3	1.00	m_e	mb 4.9
CLZ	80.58		P	08:51:33.969	0.2	38.0		5.27		TAS		18.0	1.10	m_e	mb 5.0
CLZ	80.58		pP	08:51:45.304	-0.5					T__				m_e	
FLT1	79.86		P	08:51:29.575	-0.5	38.0		5.27		TAS		12.7	0.81	m_e	mb 4.9
GEC2	81.58		P	08:51:39.499		38.0		5.27		TAS		4.7	0.86	m_e	mb 4.6
GRA1	81.94		P	08:51:41.877		38.0		5.27		TAS		21.0	0.50	m_e	mb 5.5
GRA1	81.94		L	09:31:22.015						T__		101.4	19.40	a_e	Ms 4.2
GTTG	80.97		P	08:51:36.111	0.7	38.0		5.27		TAS		21.6	1.29	m_e	mb 5.0
GTTG	80.97		pP	08:51:47.823	-0.5					T__				m_e	
HLG	79.60		P	08:51:30.074	-0.3	38.0		5.27		TAS		215.0	0.98	m_e	mb 6.0
KAST	81.82		P	08:51:40.115		38.0		5.27		TAS		14.5	1.57	m_e	mb 4.9
MANZ	81.36		P	08:51:38.323		38.0		5.27		TAS		1.0	0.76	m_e	mb 3.9
MANZ	81.36		pP	08:51:48.786						T__				m_e	
MOX	81.04		L	09:30:44.835						T__		110.0	18.30	a_e	Ms 4.2
NRDL	80.16		P	08:51:31.302	-0.1	38.0		5.27		TAS		6.0	0.85	m_e	mb 4.6
PLN	80.95		P	08:51:35.868	-0.4	38.0		5.27		TAS		6.2	1.10	m_e	mb 4.6
RETH	80.24		P	08:51:31.662	0.2	38.0		5.27		TAS		9.8	1.12	m_e	mb 4.6
ROTZ	81.49		P	08:51:39.096		38.0		5.27		TAS		1.2	0.79	m_e	mb 4.0
TNS	82.60		P	08:51:44.180		38.0		5.27		TAS		5.1	0.66	m_e	mb 4.9
WET	81.70		P	08:51:40.076		38.0		5.27		TAS		4.9	1.05	m_e	mb 4.6
WET	81.70		pP	08:51:51.465	-0.5					T__				m_e	

Event 80712007 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/12	19:46:48.16			37.6930	73.7890				149.1	2.4		31		43.60	48.78	m i ke	BGR

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 80712013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	48.02		P	19:55:10.094	-0.2	80.5		7.87		TAS		37.8	1.44	a_e	mb 5.3
BFO	47.68		P	19:55:07.194	-0.5	80.5		7.87		TAS		18.9	1.23	a_e	mb 5.1
BRG	43.65		P	19:54:35.694	-0.3	80.5		7.87		TAS		24.5	1.04	a_e	mb 4.9
BSEG	45.53		P	19:54:50.494	0.9	80.5		7.87		TAS		29.1	0.91	a_e	mb 5.3
BSEG	45.53		pP	19:55:24.226						T__				m_e	
BUG	47.73		P	19:55:07.644	-0.2	80.5		7.87		TAS		47.7	1.31	a_e	mb 5.5

CLL	44.19	P	19:54:39.394	-0.8	80.5	7.87	TAS	17.7	0.98	a_e	mb	4.8
CLZ	45.75	P	19:54:52.294	0.0	80.5	7.87	TAS	50.6	1.42	a_e	mb	5.4
FLT1	45.16	P	19:54:46.794	-0.7	80.5	7.87	TAS	33.7	0.91	a_e	mb	5.3
FUR	45.78	P	19:54:53.194	0.5	80.5	7.87	TAS	55.2	1.21	a_e	mb	5.5
GEC2	44.08	P	19:54:39.544	0.2	80.5	7.87	TAS	40.1	1.45	m_e	mb	4.9
GOR1	45.04	P	19:54:46.744	0.5	80.5	7.87	TAS	69.7	1.39	a_e	mb	5.4
GRA1	45.55	P	19:54:51.644	0.7	80.5	7.87	TAS	53.9	1.23	a_e	mb	5.4
GTTG	46.05	P	19:54:54.694	0.1	80.5	7.87	TAS	58.3	1.16	a_e	mb	5.5
IBBN	47.28	P	19:55:04.094	0.1	80.5	7.87	TAS	83.3	1.31	a_e	mb	5.7
KAST	47.06	P	19:55:02.494	-0.2	80.5	7.87	TAS	16.2	1.45	a_e	mb	4.9
MANZ	44.93	P	19:54:46.294	0.2	80.5	7.87	TAS	4.1	1.30	a_e	mb	4.2
MOX	45.15	P	19:54:47.644	-0.1	80.5	7.87	TAS	22.9	1.23	a_e	mb	5.0
MOX	45.15	pP	19:55:21.493				T__				m_e	
NEUB	44.98	P	19:54:45.844	-0.5	80.5	7.87	TAS	27.0	1.02	a_e	mb	5.1
NRDL	45.83	P	19:54:53.044	0.4	80.5	7.87	TAS	48.6	1.12	a_e	mb	5.4
PLN	44.83	P	19:54:45.094	-0.2	80.5	7.87	TAS	32.9	1.69	a_e	mb	5.0
RETH	46.25	P	19:54:56.194	0.4	80.5	7.87	TAS	47.0	1.55	a_e	mb	5.3
RJOB	44.86	P	19:54:45.494	0.3	80.5	7.87	TAS	24.0	1.56	a_e	mb	4.9
ROTZ	44.90	P	19:54:46.244	0.4	80.5	7.87	TAS	9.5	1.48	a_e	mb	4.5
ROTZ	44.90	pP	19:55:19.222				T__				m_e	
RUE	43.60	P	19:54:34.494	-0.7	80.5	7.87	TAS	30.9	1.13	a_e	mb	4.9
STU	47.02	P	19:55:02.444	-0.1	80.5	7.87	TAS	50.5	0.88	a_e	mb	5.7
TANN	44.65	P	19:54:43.744	-0.1	80.5	7.87	TAS	25.2	1.45	a_e	mb	4.9
TNS	47.22	P	19:55:03.944	-0.1	80.5	7.87	TAS	30.9	1.64	a_e	mb	5.2
UBBA	46.14	P	19:54:55.294	-0.2	80.5	7.87	TAS	55.3	1.68	a_e	mb	5.3
UBBA	46.14	pP	19:55:28.575				T__				m_e	
UBR	46.65	P	19:54:59.494	0.1	80.5	7.87	TAS	63.3	1.40	a_e	mb	5.6
WET	44.57	P	19:54:43.244	0.1	80.5	7.87	TAS	29.9	1.43	a_e	mb	5.0
WLF	48.78	P	19:55:16.244	-0.2	80.5	7.87	TAS	35.1	1.14	a_e	mb	5.3

Event 80712008 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/12	22:34:32.36			57.1370	-35.3060				33.0			24		25.01	30.20	m i ke	BGR
80712014																	

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 80712014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	27.42		P	22:40:14.010	-1.0	303.3		8.92		TAS		11.5	1.44	m_e	mb	4.4
BRG	29.07		P	22:40:29.183		303.3		8.92		TAS		10.1	1.55	m_e	mb	4.4
BSEG	25.64		P	22:39:57.735	1.8	303.3		8.92		TAS		27.0	1.10	m_e	mb	4.8
CLL	28.33		P	22:40:21.916		303.3		8.92		TAS		17.0	1.58	m_e	mb	4.6
CLZ	26.65		P	22:40:06.905	-0.6	303.3		8.92		TAS		19.1	1.34	m_e	mb	4.7
FLT1	26.87		P	22:40:08.494	-0.5	303.3		8.92		TAS		17.8	1.23	m_e	mb	4.7

GEC2	30.05	P	22:40:39.268		303.3	8.92	TAS	36.7	2.36	m_e	mb	4.8
GOR1	26.60	P	22:40:07.677	-0.2	303.3	8.92	TAS	33.3	1.29	m_e	mb	4.9
GRA1	28.23	P	22:40:21.588	1.3	303.3	8.92	TAS	28.1	1.31	m_e	mb	4.9
IBBN	25.01	P	22:39:51.672	0.8	303.3	8.92	TAS	12.7	1.05	m_e	mb	4.6
KAST	25.91	P	22:40:00.898	-0.4	303.3	8.92	TAS	77.3	2.43	m_e	mb	4.9
MANZ	28.55	P	22:40:23.594		303.3	8.92	TAS	1.8	1.10	m_e	mb	3.8
MOX	27.93	P	22:40:18.347	0.5	303.3	8.92	TAS	24.2	1.42	m_e	mb	4.8
NEUB	27.73	P	22:40:16.775	0.9	303.3	8.92	TAS	22.0	1.26	m_e	mb	4.8
NRDL	26.19	P	22:40:03.363	-0.4	303.3	8.92	TAS	16.4	1.06	m_e	mb	4.6
PLN	28.31	P	22:40:21.777	0.6	303.3	8.92	TAS	18.1	1.28	m_e	mb	4.8
RETH	25.67	P	22:39:59.114	1.7	303.3	8.92	TAS	24.1	1.28	m_e	mb	4.7
RJOB	30.20	P	22:40:39.855		303.3	8.92	TAS	2.6	0.87	m_e	mb	4.1
ROTZ	28.72	P	22:40:25.756		303.3	8.92	TAS	1.2	1.16	m_e	mb	3.6
TANN	28.51	P	22:40:23.275		303.3	8.92	TAS	18.0	1.45	m_e	mb	4.7
TNS	26.43	P	22:40:07.527	-2.4	303.3	8.92	TAS	28.8	1.67	m_e	mb	4.6
UBBA	26.96	P	22:40:08.013	-0.2	303.3	8.92	TAS	32.8	2.05	m_e	mb	4.7
UBR	28.77	P	22:40:26.905		303.3	8.92	TAS	36.7	2.02	m_e	mb	4.9
WET	29.43	P	22:40:31.948		303.3	8.92	TAS	8.1	1.18	m_e	mb	4.4

Event 80713001 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/13	03:13:36.08			-22.0020	-173.7160				33.0			22		147.97	154.20	m i ke	BGR
	80713007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.68		PKPbc	03:33:31.414	0.1	9.8		2.37		TAS				m_e	
BRG	150.57		PKPbc	03:33:24.467	-0.5	9.8		2.37		TAS				m_e	
BSEG	147.97		PKPbc	03:33:17.662	-0.2	9.8		2.37		TAS				m_e	
CLL	150.28		PKPbc	03:33:23.407	-0.2	9.8		2.37		TAS				m_e	
CLZ	150.05		PKPbc	03:33:23.309	-0.2	9.8		2.37		TAS				m_e	
FLT1	149.48		PKPbc	03:33:21.492	0.1	9.8		2.37		TAS				m_e	
GEC2	152.57		PKPbc	03:33:28.954	0.2	9.8		2.37		TAS				m_e	
GOR1	148.82		PKPbc	03:33:20.247	0.1	9.8		2.37		TAS				m_e	
GRA1	152.09		PKPbc	03:33:28.099	-0.0	9.8		2.37		TAS				m_e	
GTTG	150.37		PKPbc	03:33:23.969	-0.0	9.8		2.37		TAS				m_e	
IBBN	149.73		PKPbc	03:33:22.450	0.2	9.8		2.37		TAS				m_e	
KAST	150.81		PKPbc	03:33:24.939	0.2	9.8		2.37		TAS				m_e	
MANZ	151.70		PKPbc	03:33:27.104	-0.2	9.8		2.37		TAS				m_e	
MOX	151.11		PKPbc	03:33:25.719	0.2	9.8		2.37		TAS				m_e	
NRDL	149.42		PKPbc	03:33:21.382	0.2	9.8		2.37		TAS				m_e	
PLN	151.20		PKPbc	03:33:25.948	0.1	9.8		2.37		TAS				m_e	
RETH	149.22		PKPbc	03:33:21.109	-0.0	9.8		2.37		TAS				m_e	
ROTZ	151.90		PKPbc	03:33:27.616	0.5	9.8		2.37		TAS				m_e	

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TANN	151.23	PKPbc	03:33:25.993	9.8	2.37	TAS	m_e
TNS	151.78	PKPbc	03:33:27.233	9.8	2.37	TAS	m_e
UBR	154.20	PKPbc	03:33:32.284	9.8	2.37	TAS	m_e
WLF	152.39	PKPbc	03:33:29.536	9.8	2.37	TAS	m_e

Event 80713004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/13	09:46:28.57			-19.9400	170.5510				33.0			17		141.35	148.25	m i ke	BGR
80713010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	80713010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.78		PKPbc	10:06:06.634	-0.2	36.4		3.23		TAS				m_e	
ASSE	144.24		PKPbc	10:06:48.679		36.4		3.23		TAS				a_e	
BFO	148.25		PKPbc	10:06:10.729		36.4		3.23		TAS				a_e	
BUG	145.93		PKPbc	10:06:03.379	0.2	36.4		3.23		TAS				a_e	
GEC2	145.69		PKPbc	10:06:02.629		36.4		3.23		TAS				m_e	
GRA1	146.04		PKPbc	10:06:04.429		36.4		3.23		TAS				a_e	
GRA1	146.04		L	11:14:06.123						T__		819.7	21.50	a_e Ms	5.5
KAST	145.78		PKPbc	10:06:03.167	0.3	36.4		3.23		TAS				m_e	
MANZ	145.46		PKPbc	10:06:02.279		36.4		3.23		TAS				a_e	
MOX	145.12		PKPbc	10:06:00.979	-0.4	36.4		3.23		TAS				a_e	
MOX	145.12		L	11:23:28.200						T__		808.7	21.40	a_e Ms	5.5
NEUB	144.62		PKPbc	10:05:59.179	0.5	36.4		3.23		TAS				a_e	
PLN	145.04		PKPbc	10:06:00.729		36.4		3.23		TAS				a_e	
RGN	141.35		PKPbc	10:06:03.229		36.4		3.23		TAS				m_e	
RJOB	146.92		PKPbc	10:06:06.729		36.4		3.23		TAS				a_e	
ROTZ	145.59		PKPbc	10:06:02.779		36.4		3.23		TAS				a_e	
TANN	144.98		PKPbc	10:06:00.529		36.4		3.23		TAS				a_e	
TNS	146.60		PKPbc	10:06:06.279		36.4		3.23		TAS				a_e	
UBBA	145.57		PKPbc	10:06:02.447	-0.3	36.4		3.23		TAS				m_e	
WET	145.81		PKPbc	10:06:03.279		36.4		3.23		TAS				a_e	
WLF	147.83		PKPbc	10:06:10.379		36.4		3.23		TAS				a_e	

Event 80714001 Sicily, Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/14	02:50:55.80			38.7000	15.8000				57.0					9.29	12.31	m i ke	EMSC
80714033																	

Magnitude	Err	Nsta	Author	OrigID											
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	11.04		Pn	02:53:31.418						T__					m_e
GEC2	10.25		Pn	02:53:19.630						T__					m_e
MOX	12.31		Pn	02:53:47.740						T__					m_e
RJOB	9.29		Pn	02:53:07.766						T__					m_e
ROTZ	11.36		Pn	02:53:33.500						T__					m_e
UBR	9.89		Pn	02:53:17.164						T__					m_e
WET	10.65		Pn	02:53:25.037						T__					m_e

Event 80715002 Eastern Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/15	13:09:23.04			14.1310	50.7990				33.0			29		46.11	51.18	m i ke	BGR
80715008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80715008
Ms	5.3		BGR	80715008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	50.64		P	13:18:20.443	0.1	123.7		7.74		TAS		25.8	1.33	a_e mb	5.0
BFO	48.84		P	13:18:06.593	0.3	123.7		7.74		TAS		85.7	1.47	a_e mb	5.6
BRG	47.19		P	13:17:53.493	0.1	123.7		7.74		TAS		32.1	1.31	a_e mb	5.3
BSEG	50.81		P	13:18:20.693	-0.3	123.7		7.74		TAS		17.8	1.24	a_e mb	4.9
BUG	50.99		P	13:18:22.743	-0.3	123.7		7.74		TAS				a_e	
CLL	47.93		P	13:17:59.443	0.3	123.7		7.74		TAS		186.5	2.28	a_e mb	5.8
CLZ	49.58		P	13:18:12.093	0.1	123.7		7.74		TAS		168.6	2.03	a_e mb	5.6
FLT1	49.42		P	13:18:10.443	-0.2	123.7		7.74		TAS		109.9	2.11	a_e mb	5.5
FUR	47.06		P	13:17:52.793	0.3	123.7		7.74		TAS				a_e	
GEC2	46.11		P	13:17:45.193	-0.0	123.7		7.74		TAS		79.2	1.75	m_e mb	5.5
GOR1	49.77		P	13:18:13.593	0.4	123.7		7.74		TAS		172.8	2.17	a_e mb	5.6
GRA1	47.93		P	13:17:58.793	-0.5	123.7		7.74		TAS		68.1	1.39	a_e mb	5.6
GRA1	47.93		L	13:46:08.634						T__		3059.0	20.70	a_e Ms	5.3
GTTG	49.62		P	13:18:12.293	-0.1	123.7		7.74		TAS		65.8	1.45	a_e mb	5.4
IBBN	51.18		P	13:18:24.493	0.0	123.7		7.74		TAS				a_e	
KAST	50.25		P	13:18:16.943	-0.4	123.7		7.74		TAS		11.1	1.29	a_e mb	4.6
MANZ	47.62		P	13:17:56.593	-0.3	123.7		7.74		TAS		7.4	1.44	a_e mb	4.6
MOX	48.25		P	13:18:01.993	0.2	123.7		7.74		TAS		110.7	1.89	a_e mb	5.7
MOX	48.25		L	13:43:39.233						T__		3596.9	20.00	a_e Ms	5.3
NEUB	48.49		P	13:18:03.593	0.0	123.7		7.74		TAS		91.8	1.28	a_e mb	5.8
NRDL	50.08		P	13:18:16.193	0.4	123.7		7.74		TAS		151.9	2.13	a_e mb	5.5
PLN	47.88		P	13:17:59.043	0.1	123.7		7.74		TAS		83.1	1.55	a_e mb	5.6
RETH	50.59		P	13:18:19.993	0.2	123.7		7.74		TAS		90.0	1.86	a_e mb	5.4
ROTZ	47.44		P	13:17:55.143	-0.4	123.7		7.74		TAS		7.2	1.35	a_e mb	4.6

RUE	48.26	P	13:18:01.543	0.2	123.7	7.74	TAS	73.2	1.32	a_e	mb	5.6
TANN	47.68	P	13:17:57.593	0.2	123.7	7.74	TAS	100.4	1.91	a_e	mb	5.6
TNS	49.72	P	13:18:12.743	-0.5	123.7	7.74	TAS	63.6	1.83	a_e	mb	5.2
UBBA	49.20	P	13:18:08.793	-0.4	123.7	7.74	TAS	39.6	1.76	a_e	mb	5.2
UBR	47.48	P	13:17:55.793		123.7	7.74	TAS	32.1	1.11	a_e	mb	5.4
WET	46.72	P	13:17:49.493	-0.5	123.7	7.74	TAS	77.9	2.14	a_e	mb	5.5
WLF	50.74	P	13:18:21.043	0.2	123.7	7.74	TAS	68.1	1.29	a_e	mb	5.4

Event 80715003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/15	17:13:41.14			43.1360	143.1450				33.0			26		75.22	80.61	m i ke	BGR
80715009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80715009
Ms	4.3		BGR	80715009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.15		P	17:25:40.778	-0.1	33.7		5.54		TAS		8.4	0.88	a_e	mb	4.8
BFO	80.61		P	17:25:48.428		33.7		5.54		TAS		5.1	0.86	a_e	mb	4.6
BRG	76.47		P	17:25:25.728	-0.5	33.7		5.54		TAS		6.9	1.11	a_e	mb	4.7
BSEG	75.22		P	17:25:19.028	0.1	33.7		5.54		TAS		13.6	0.71	a_e	mb	5.1
CLL	76.46		P	17:25:25.428	0.0	33.7		5.54		TAS		17.6	0.75	a_e	mb	5.3
CLZ	76.94		P	17:25:28.878	0.3	33.7		5.54		TAS		17.0	0.79	a_e	mb	5.2
FLT1	76.24		P	17:25:24.128	-0.5	33.7		5.54		TAS		21.7	0.71	a_e	mb	5.4
FUR	79.69		P	17:25:43.828		33.7		5.54		TAS		25.1	0.99	a_e	mb	5.1
GEC2	78.22		P	17:25:35.378	0.0	33.7		5.54		TAS		3.7	0.79	a_e	mb	4.6
GOR1	75.67		P	17:25:21.878	0.4	33.7		5.54		TAS		15.4	1.14	a_e	mb	5.0
GRA1	78.44		P	17:25:37.278	-0.0	33.7		5.54		TAS		20.5	0.82	a_e	mb	5.3
GRA1	78.44		L	18:03:05.568						T__		144.5	21.00	a_e	Ms	4.3
GTTG	77.33		P	17:25:30.828	0.1	33.7		5.54		TAS		13.3	0.79	a_e	mb	5.1
IBBN	77.42		P	17:25:31.128	0.0	33.7		5.54		TAS		15.2	0.81	a_e	mb	5.2
KAST	78.14		P	17:25:35.178	-0.3	33.7		5.54		TAS		7.2	0.78	a_e	mb	4.9
MANZ	77.87		P	17:25:33.778	0.4	33.7		5.54		TAS		1.6	0.91	a_e	mb	4.1
MOX	77.51		P	17:25:31.628	0.1	33.7		5.54		TAS		6.2	0.82	a_e	mb	4.8
MOX	77.51		L	18:01:52.500						T__		175.2	21.90	a_e	Ms	4.3
NEUB	77.00		P	17:25:28.578	-0.2	33.7		5.54		TAS		21.0	0.73	a_e	mb	5.4
NRDL	76.49		P	17:25:25.978	-0.0	33.7		5.54		TAS		6.1	0.79	a_e	mb	4.8
PLN	77.44		P	17:25:31.278	0.0	33.7		5.54		TAS		4.7	1.00	a_e	mb	4.6
RETH	76.53		P	17:25:26.378	0.2	33.7		5.54		TAS		8.0	0.84	a_e	mb	4.9
RJOB	79.47		P	17:25:42.928		33.7		5.54		TAS		13.4	0.80	a_e	mb	5.0
ROTZ	78.02		P	17:25:34.778	0.3	33.7		5.54		TAS		2.0	0.85	a_e	mb	4.3
STU	79.94		P	17:25:45.130	0.4	33.7		5.54		TAS		29.5	0.70	m_e	mb	5.3
TANN	77.39		P	17:25:31.064	0.1	33.7		5.54		TAS		4.8	1.07	m_e	mb	4.5
UBBA	77.93		P	17:25:33.522	-0.1	33.7		5.54		TAS		4.2	0.67	m_e	mb	4.7

WET 78.28 P 17:25:36.328 -0.5 33.7 5.54 TAS 9.0 0.85 m_e mb 4.9

Event 80715005 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/07/15 22:48:08.73 -16.2440 -176.3070 33.0 23 144.24 148.21 m i ke BGR
80715011

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 80715005.

Event 80716008 Near east coast of eastern Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/07/16 19:34:11.75 36.7960 141.3410 33.0 19 80.25 85.48 m i ke BGR
80716014

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 80716014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.48		P	19:46:44.425		38.1		5.17		TAS		18.7	0.91	m_e	mb 5.3
BRG	81.23		P	19:46:22.700	-0.4	38.1		5.17		TAS		13.4	1.02	m_e	mb 4.9
BSEG	80.25		P	19:46:17.723	0.1	38.1		5.17		TAS		22.7	0.98	m_e	mb 5.1
CLL	81.27		P	19:46:22.674	0.1	38.1		5.17		TAS		23.4	0.79	m_e	mb 5.3
CLZ	81.88		P	19:46:26.456	0.1	38.1		5.17		TAS		24.4	1.05	m_e	mb 5.3
FLT1	81.17		P	19:46:22.013	-0.3	38.1		5.17		TAS		21.8	0.84	m_e	mb 5.2
FUR	84.43		P	19:46:39.637		38.1		5.17		TAS		25.0	0.80	m_e	mb 5.5
GEC2	82.88		P	19:46:31.138		38.1		5.17		TAS		6.1	0.61	m_e	mb 5.0
GOR1	80.62		P	19:46:19.835	0.1	38.1		5.17		TAS		20.6	1.05	m_e	mb 5.1
GRA1	83.25		P	19:46:33.747		38.1		5.17		TAS		29.3	0.88	m_e	mb 5.5
IBBN	82.48		P	19:46:29.251	-0.1	38.1		5.17		TAS		26.8	0.93	m_e	mb 5.4
MANZ	82.66		P	19:46:30.331		38.1		5.17		TAS		2.4	0.88	m_e	mb 4.4
MOX	82.34		P	19:46:28.264	0.0	38.1		5.17		TAS		7.1	0.80	m_e	mb 4.8
PLN	82.25		P	19:46:28.118		38.1		5.17		TAS		4.6	0.69	m_e	mb 4.7
RETH	81.55		P	19:46:24.460	-0.5	38.1		5.17		TAS		17.1	1.03	m_e	mb 5.1
RJOB	84.12		P	19:46:37.767		38.1		5.17		TAS		10.8	1.08	m_e	mb 5.0
ROTZ	82.79		P	19:46:31.163		38.1		5.17		TAS		1.9	0.75	m_e	mb 4.4
STU	84.79		P	19:46:41.031		38.1		5.17		TAS		69.6	1.03	m_e	mb 5.8
WET	83.00		P	19:46:32.108		38.1		5.17		TAS		12.4	1.20	m_e	mb 5.0

Event 80717008 North of Franz Josef Land

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/17	19:34:08.72			84.7900	38.6600				30.2	0.7		22		31.72	37.97	m i ke	BGR
OrigID 80717014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80717014
Ms	3.6		BGR	80717014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	37.41		P	19:41:19.602	-0.4	4.5		8.61		TAS		16.8	1.11	a_e	mb 4.7
BRG	34.61		P	19:40:55.702	0.0	4.5		8.61		TAS		15.1	1.05	a_e	mb 4.9
BRG	34.61		pP	19:41:03.396	-0.2					T__				m_e	
BSEG	31.72		P	19:40:30.952	-0.2	4.5		8.61		TAS		10.7	0.96	a_e	mb 4.8
BUG	34.36		P	19:40:53.502	0.1	4.5		8.61		TAS		17.5	1.10	a_e	mb 4.9
CLL	34.22		P	19:40:52.052	-0.5	4.5		8.61		TAS		15.8	0.95	a_e	mb 4.9
CLL	34.22		pP	19:40:59.954	-0.2					T__				m_e	
CLZ	33.81		P	19:40:49.402	0.3	4.5		8.61		TAS		12.0	0.96	a_e	mb 4.8
FLT1	33.28		P	19:40:43.902	-0.7	4.5		8.61		TAS		8.2	0.80	a_e	mb 4.7
GEC2	36.65		P	19:41:13.652	0.5	4.5		8.61		TAS		12.1	0.88	a_e	mb 4.6
GEC2	36.65		pP	19:41:21.714	-0.2					T__				m_e	
GRA1	35.91		P	19:41:07.302	0.0	4.5		8.61		TAS		20.2	0.89	m_e	mb 5.0
GRA1	35.91		L	20:04:16.227						T__		114.1	18.10	a_e	Ms 3.7

GTTG	34.12	P	19:40:52.102	0.3	4.5	8.61	TAS	32.6	1.24	a_e	mb	5.1
KAST	34.54	P	19:40:55.552	0.3	4.5	8.61	TAS	11.9	1.06	a_e	mb	4.8
MANZ	35.58	P	19:41:04.302	-0.0	4.5	8.61	TAS	2.6	1.25	a_e	mb	3.9
MANZ	35.58	pP	19:41:12.147	-0.2			T__				m_e	
MOX	34.94	P	19:40:58.852	-0.1	4.5	8.61	TAS	21.6	0.88	a_e	mb	5.1
MOX	34.94	L	19:54:20.915				T__	121.5	22.00	a_e	Ms	3.6
NRDL	33.17	P	19:40:43.702	0.1	4.5	8.61	TAS	13.2	1.05	a_e	mb	4.8
PLN	35.07	P	19:40:59.952	-0.1	4.5	8.61	TAS	11.2	0.83	a_e	mb	4.8
RETH	32.96	P	19:40:41.952	0.2	4.5	8.61	TAS	48.6	1.68	a_e	mb	5.2
RETH	32.96	pP	19:40:49.794	-0.2			T__				m_e	
RJOB	37.79	P	19:41:23.052	-0.2	4.5	8.61	TAS	13.1	0.75	m_e	mb	4.7
ROTZ	35.79	P	19:41:06.302	0.1	4.5	8.61	TAS	4.3	0.95	a_e	mb	4.2
TANN	35.13	P	19:41:00.552	0.1	4.5	8.61	TAS	10.9	0.92	a_e	mb	4.8
TNS	35.52	P	19:41:03.602	-0.0	4.5	8.61	TAS	13.4	0.93	a_e	mb	4.8
UBR	37.97	P	19:41:24.752	-0.3	4.5	8.61	TAS	38.6	1.60	a_e	mb	4.9
WET	36.38	P	19:41:11.502	0.4	4.5	8.61	TAS	9.8	1.03	a_e	mb	4.6

Event 80718004 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/18	19:06:12.34			55.5450	-161.7800				33.0			30		70.20	76.99	m i ke	BGR
80718010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	80718010
Ms	5.0		BGR	80718010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.88		P	19:17:41.968	0.2	355.9		5.80		TAS		57.3	0.95	a_e	mb 5.6
BFO	76.17		P	19:17:54.718	-0.4	355.9		5.80		TAS		40.8	0.88	a_e	mb 5.6
BRG	73.89		P	19:17:41.918	-0.0	355.9		5.80		TAS		88.2	0.98	a_e	mb 5.8
BSEG	70.69		P	19:17:23.268	-0.2	355.9		5.80		TAS		119.8	0.98	a_e	mb 6.0
BUG	73.00		P	19:17:36.368	-0.3	355.9		5.80		TAS		108.2	0.94	a_e	mb 6.0
CLL	73.43		P	19:17:38.968	-0.3	355.9		5.80		TAS		75.6	0.91	a_e	mb 5.8
CLZ	72.78		P	19:17:35.968	0.4	355.9		5.80		TAS		128.1	1.10	a_e	mb 6.0
FLT1	72.34		P	19:17:32.368	-0.6	355.9		5.80		TAS		81.5	0.96	a_e	mb 5.8
FUR	76.50		P	19:17:57.018	-0.1	355.9		5.80		TAS		85.5	1.03	a_e	mb 5.8
GEC2	75.91		P	19:17:53.668	-0.0	355.9		5.80		TAS		64.4	1.10	a_e	mb 5.7
GOR1	71.68		P	19:17:29.368	0.2	355.9		5.80		TAS		122.9	1.29	a_e	mb 5.9
GRA1	74.97		P	19:17:48.568	0.3	355.9		5.80		TAS		97.8	1.22	a_e	mb 5.7
GRA1	74.97		L	20:00:42.904						T__		814.0	18.30	a_e	Ms 5.1
GTTG	73.06		P	19:17:37.368	0.2	355.9		5.80		TAS		151.2	1.07	a_e	mb 6.0
IBBN	72.17		P	19:17:31.968	0.0	355.9		5.80		TAS		146.1	1.18	a_e	mb 6.0
KAST	73.31		P	19:17:38.568	-0.0	355.9		5.80		TAS		61.2	1.07	a_e	mb 5.7
MANZ	74.72		P	19:17:46.818	0.1	355.9		5.80		TAS		17.8	1.35	a_e	mb 4.9
MOX	74.04		P	19:17:42.868	0.0	355.9		5.80		TAS		101.4	0.95	a_e	mb 5.8

MOX	74.04	L	19:54:55.648							T__	615.4	21.80	a_e	Ms	4.8
NEUB	73.50	P	19:17:39.568	-0.1	355.9			5.80		TAS	166.4	1.01	a_e	mb	6.1
NRDL	72.12	P	19:17:31.568	-0.1	355.9			5.80		TAS	105.9	1.00	a_e	mb	5.9
PLN	74.22	P	19:17:43.868	-0.0	355.9			5.80		TAS	48.5	0.99	a_e	mb	5.5
RETH	71.84	P	19:17:30.118	0.1	355.9			5.80		TAS	86.8	1.16	a_e	mb	5.8
RGN	70.20	P	19:17:20.568	0.0	355.9			5.80		TAS	286.7	0.98	a_e	mb	6.4
RJOB	76.99	P	19:17:59.768	-0.2	355.9			5.80		TAS	100.1	0.82	a_e	mb	6.0
ROTZ	74.94	P	19:17:48.318	0.3	355.9			5.80		TAS	17.8	1.07	a_e	mb	5.0
TANN	74.30	P	19:17:44.568	0.2	355.9			5.80		TAS	62.5	1.23	a_e	mb	5.5
TNS	74.29	P	19:17:44.218	-0.0	355.9			5.80		TAS	58.7	0.91	a_e	mb	5.6
UBBA	73.79	P	19:17:41.318	-0.1	355.9			5.80		TAS	71.8	1.49	a_e	mb	5.5
UBR	76.92	P	19:17:59.318	-0.2	355.9			5.80		TAS	47.9	0.94	a_e	mb	5.6
WET	75.59	P	19:17:52.168	0.4	355.9			5.80		TAS	67.4	1.11	a_e	mb	5.7
WLF	74.68	P	19:17:46.768	0.4	355.9			5.80		TAS	82.9	1.01	m_e	mb	5.7

Event 80718005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/18	22:44:47.58			-17.4700	-177.1470				33.0			15		143.15	149.29	m i ke	BGR
OrigID 80718011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.90		PKPbc	23:04:32.276		14.8		2.90		TAS					m_e
BRG	145.52		PKPbc	23:04:23.022	0.5	14.8		2.90		TAS					m_e
BSEG	143.15		PKPbc	23:04:15.098	-1.0	14.8		2.90		TAS					m_e
CLL	145.29		PKPbc	23:04:22.155	0.5	14.8		2.90		TAS					m_e
CLZ	145.19		PKPbc	23:04:22.399	-0.0	14.8		2.90		TAS					m_e
FLT1	144.59		PKPbc	23:04:19.903	0.5	14.8		2.90		TAS					m_e
GEC2	147.48		PKPbc	23:04:28.476		14.8		2.90		TAS					m_e
IBBN	145.03		PKPbc	23:04:21.992	-0.3	14.8		2.90		TAS					m_e
MANZ	146.72		PKPbc	23:04:26.710		14.8		2.90		TAS					m_e
NRDL	144.59		PKPbc	23:04:20.235	0.3	14.8		2.90		TAS					m_e
RETH	144.44		PKPbc	23:04:19.978	0.0	14.8		2.90		TAS					m_e
ROTZ	146.91		PKPbc	23:04:27.204		14.8		2.90		TAS					m_e
TANN	146.24		PKPbc	23:04:25.486		14.8		2.90		TAS					m_e
UBR	149.29		PKPbc	23:04:33.072		14.8		2.90		TAS					m_e
WLF	147.78		PKPbc	23:04:30.269		14.8		2.90		TAS					m_e

Event 80719003 Guerrero, Mexico

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

./bull1807.txt Fri Oct 02 12:46:01 2020 40

2018/07/19 13:31:42.13 17.0320 -98.9980 67.7 0.8 23 85.86 91.45 m i ke BGR
80719009

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 80719009
MBB 6.1 BGR 80719009
Ms 5.0 BGR 80719009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.84		P	13:44:26.007	0.0	296.2		4.68		TAS		269.4	1.46	a_e	MBB 6.3
BFO	88.47		P	13:44:33.257		296.2		4.68		TAS		60.0	1.67	a_e	MBB 6.0
BRG	90.63		P	13:44:43.607	0.0	296.2		4.68		TAS		42.2	1.21	a_e	MBB 6.0
BUG	86.60		P	13:44:24.557	-0.2	296.2		4.68		TAS		265.3	1.61	a_e	MBB 6.3
CLL	89.91		P	13:44:39.833	0.1	296.2		4.68		TAS		50.1	1.37	m_e	MBB 6.0
CLZ	88.20		P	13:44:32.602	0.0	296.2		4.68		TAS		20.5	0.91	m_e	MBB 6.2
FLT1	88.47		P	13:44:33.607	-0.4	296.2		4.68		TAS		25.9	1.24	a_e	MBB 6.2
GEC2	91.45		P	13:44:47.318		296.2		4.68		TAS		42.3	1.33	m_e	MBB 6.0
GEC2	91.45		pP	13:45:06.103	-1.5					T__				m_e	
GRA1	89.62		P	13:44:39.453		296.2		4.68		TAS		30.7	0.80	m_e	MBB 6.2
GRA1	89.62		L	14:21:58.935						T__		692.6	21.80	a_e	Ms 5.0
GTTG	88.09		P	13:44:31.968	-0.1	296.2		4.68		TAS		35.2	1.06	m_e	MBB 6.2
HLG	85.86		P	13:44:21.357	0.1	296.2		4.68		TAS		281.7	1.19	a_e	MBB 6.5
IBBN	86.54		P	13:44:24.457	-0.2	296.2		4.68		TAS		295.3	1.57	a_e	MBB 6.3
IBBN	86.54		pP	13:44:43.200	-1.5					T__				m_e	
MANZ	90.00		P	13:44:40.594	-0.3	296.2		4.68		TAS		7.9	1.21	m_e	MBB 5.3
MANZ	90.00		pP	13:44:59.523	-1.5					T__				m_e	
MOX	89.43		P	13:44:37.803	0.3	296.2		4.68		TAS		29.2	1.18	m_e	MBB 5.9
MOX	89.43		pP	13:44:56.580	-1.5					T__				m_e	
MOX	89.43		L	14:25:37.906						T__		699.9	21.50	a_e	Ms 5.0
NEUB	89.27		P	13:44:37.296	0.1	296.2		4.68		TAS		47.8	1.18	m_e	MBB 6.2
PLN	89.81		P	13:44:39.453	0.5	296.2		4.68		TAS		38.0	1.21	m_e	MBB 5.9
RJOB	91.43		P	13:44:47.557		296.2		4.68		TAS		58.5	1.37	a_e	MBB 6.0
ROTZ	90.16		P	13:44:41.736	0.1	296.2		4.68		TAS		9.6	1.30	m_e	MBB 5.4
TANN	90.01		P	13:44:40.848	0.3	296.2		4.68		TAS		51.6	1.33	m_e	MBB 5.9
TNS	87.77		P	13:44:30.319	-0.2	296.2		4.68		TAS		73.1	1.27	m_e	MBB 6.3
UBR	89.83		P	13:44:39.882		296.2		4.68		TAS		56.2	1.21	m_e	MBB 6.1
WET	90.83		P	13:44:44.907		296.2		4.68		TAS		79.0	1.42	a_e	MBB 6.1
WLF	86.63		P	13:44:24.957	-0.0	296.2		4.68		TAS		232.7	1.36	m_e	MBB 6.3
WLF	86.63		pP	13:44:43.542	-1.5					T__				m_e	

Event 80719004 Alaska Peninsula, United States

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2018/07/19 14:16:37.37 55.6620 -161.4200 33.6 0.3 31 70.07 76.86 m i ke BGR
80719010

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	80719010
MBB	6.5		BGR	80719010
Ms	5.5		BGR	80719010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.73		P	14:28:06.174	0.1	355.7		5.81		TAS		135.1	0.99	a_e	MBB	6.3
BFO	76.02		P	14:28:19.024	-0.3	355.7		5.81		TAS		84.9	0.93	a_e	MBB	6.3
BRG	73.76		P	14:28:06.124	-0.1	355.7		5.81		TAS		217.1	1.04	a_e	MBB	6.4
BSEG	70.56		P	14:27:47.524	-0.1	355.7		5.81		TAS		306.8	1.05	a_e	MBB	6.6
BUG	72.85		P	14:28:00.574	-0.3	355.7		5.81		TAS		241.3	0.94	a_e	MBB	6.6
CLL	73.30		P	14:28:03.174	-0.4	355.7		5.81		TAS		201.5	1.04	a_e	MBB	6.5
CLZ	72.65		P	14:28:00.124	0.3	355.7		5.81		TAS		410.6	1.24	a_e	MBB	6.6
FLT1	72.20		P	14:27:56.574	-0.6	355.7		5.81		TAS		234.9	1.12	a_e	MBB	6.5
GEC2	75.78		P	14:28:17.924	-0.0	355.7		5.81		TAS		159.4	1.14	a_e	MBB	6.4
GOR1	71.55		P	14:27:53.624	0.2	355.7		5.81		TAS		536.5	1.56	a_e	MBB	6.7
GRA1	74.84		P	14:28:12.824	0.3	355.7		5.81		TAS		154.4	0.92	a_e	MBB	6.4
GRA1	74.84		pP	14:28:22.510						T__					m_e	
GRA1	74.84		L	15:11:06.707						T__		1931.8	18.70	a_e	Ms	5.4
GTTG	72.92		P	14:28:01.574	0.2	355.7		5.81		TAS		433.4	1.15	a_e	MBB	6.6
HLG	70.17		P	14:27:45.224	-0.1	355.7		5.81		TAS		623.9	1.16	a_e	MBB	6.8
IBBN	72.03		P	14:27:56.174	0.0	355.7		5.81		TAS		468.2	1.27	a_e	MBB	6.6
KAST	73.17		P	14:28:02.824	0.0	355.7		5.81		TAS		111.8	0.98	a_e	MBB	6.4
KAST	73.17		pP	14:28:12.358						T__					m_e	
MANZ	74.58		P	14:28:11.124	0.1	355.7		5.81		TAS		72.2	1.62	a_e	MBB	5.6
MOX	73.90		P	14:28:07.074	-0.0	355.7		5.81		TAS		342.9	1.17	a_e	MBB	6.5
MOX	73.90		L	15:11:12.244						T__		2305.7	18.80	m_e	Ms	5.5
NEUB	73.36		P	14:28:03.774	-0.2	355.7		5.81		TAS		383.4	1.05	a_e	MBB	6.7
NRDL	71.98		P	14:27:55.774	-0.2	355.7		5.81		TAS		286.2	1.12	a_e	MBB	6.6
PLN	74.09		P	14:28:08.074	-0.1	355.7		5.81		TAS		102.4	0.97	a_e	MBB	6.3
RETH	71.70		P	14:27:54.324	0.1	355.7		5.81		TAS		254.5	1.26	a_e	MBB	6.5
RGN	70.07		P	14:27:45.061	0.3	355.7		5.81		TAS		823.4	1.07	m_e	MBB	7.0
RJOB	76.86		P	14:28:24.024	-0.2	355.7		5.81		TAS		181.4	0.84	a_e	MBB	6.4
ROTZ	74.81		P	14:28:12.524	0.2	355.7		5.81		TAS		51.4	1.20	a_e	MBB	5.7
RUE	72.16		P	14:27:56.874	-0.0	355.7		5.81		TAS		589.2	1.11	a_e	MBB	6.8
RUE	72.16		pP	14:28:06.426						T__					m_e	
TANN	74.17		P	14:28:08.824	0.2	355.7		5.81		TAS		490.3	1.93	a_e	MBB	6.3
TNS	74.15		P	14:28:08.474	0.0	355.7		5.81		TAS		130.8	0.89	m_e	MBB	6.4
TNS	74.15		pP	14:28:18.120						T__					m_e	
UBBA	73.65		P	14:28:05.624	0.0	355.7		5.81		TAS		172.0	1.45	a_e	MBB	6.2
UBR	76.78		P	14:28:23.624	-0.2	355.7		5.81		TAS		112.4	1.03	a_e	MBB	6.4
WET	75.46		P	14:28:16.424	0.3	355.7		5.81		TAS		186.9	1.21	a_e	MBB	6.3
WLF	74.53		P	14:28:10.974	0.4	355.7		5.81		TAS		245.4	1.09	a_e	MBB	6.4

Event 80720002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2018/07/20 00:43:20.99 -17.1760 -178.1360 33.0 145.71 148.48 m i ke BGR
 80720008

Magnitude Err Nsta Author OrigID
 Ms 4.3 BGR 80720008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.48		PKPbc	01:03:03.845		16.4		2.97		TAS				m_e	
FUR	148.15		PKPbc	01:03:03.400		16.4		2.97		TAS				m_e	
GEC2	146.97		PKPbc	01:03:00.888		16.4		2.97		TAS				m_e	
GRA1	146.69		PKPbc	01:02:58.688		16.4		2.97		TAS				m_e	
GRA1	146.69		L	02:11:18.153						T__		52.9	19.70	a_e Ms	4.3
MOX	145.71		L	02:09:39.543						T__		49.6	19.70	a_e Ms	4.3
RJOB	148.22		PKPbc	01:03:04.171		16.4		2.97		TAS				m_e	
WET	146.88		PKPbc	01:03:00.576		16.4		2.97		TAS				m_e	
WLF	147.41		PKPbc	01:02:59.497		16.4		2.97		TAS				m_e	

Event 80720003 Philippine Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/07/20 01:39:07.55 20.4760 122.5220 33.0 19 84.79 90.36 m i ke BGR
 80720009

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 80720009
 Ms 4.1 BGR 80720009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	89.85		L	02:33:47.760						T__		77.1	21.60	a_e Ms	4.1
BRG	85.42		P	01:51:41.180	-0.1	60.9		4.81		TAS		15.4	0.95	m_e mb	5.2
BSEG	85.93		P	01:51:43.770	-0.1	60.9		4.81		TAS		24.1	0.89	m_e mb	5.3
BSEG	85.93		L	02:36:16.242						T__		87.9	19.80	a_e Ms	4.2
CLL	85.75		P	01:51:42.423	-0.2	60.9		4.81		TAS		21.1	0.90	m_e mb	5.3
CLL	85.75		L	02:34:08.671						T__		102.0	20.10	a_e Ms	4.2
CLZ	86.94		P	01:51:48.691	-0.1	60.9		4.81		TAS		27.1	1.20	m_e mb	5.3
FLT1	86.23		P	01:51:44.558	0.0	60.9		4.81		TAS		15.8	0.91	m_e mb	5.1
FUR	88.23		L	02:34:16.130						T__		73.7	18.60	a_e Ms	4.1
GEC2	86.49		P	01:51:46.373		60.9		4.81		TAS		13.0	1.02	m_e mb	5.0
GOR1	85.88		P	01:51:43.595	0.3	60.9		4.81		TAS		50.1	1.19	m_e mb	5.5
GRA1	87.52		L	02:35:25.519						T__		77.4	21.70	a_e Ms	4.1
KAST	88.32		P	01:51:55.136	-0.1	60.9		4.81		TAS		15.1	1.55	m_e mb	5.1
MANZ	86.88		P	01:51:48.106		60.9		4.81		TAS		2.1	1.20	m_e mb	4.1
MOX	86.84		P	01:51:47.813	0.0	60.9		4.81		TAS		15.5	1.36	m_e mb	5.0
MOX	86.84		L	02:28:58.694						T__		64.1	21.40	a_e Ms	4.0
NEUB	86.49		P	01:51:46.290	0.3	60.9		4.81		TAS		20.1	0.97	m_e mb	5.2

./bull1807.txt

Fri Oct 02 12:46:01 2020

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NRDL	86.76	P	01:51:47.871	-0.6	60.9	4.81	TAS	28.9	1.14	m_e	mb	5.3
PLN	86.61	P	01:51:47.168		60.9	4.81	TAS	18.0	1.45	m_e	mb	5.0
RETH	87.03	P	01:51:48.774	0.1	60.9	4.81	TAS	16.9	1.10	m_e	mb	5.1
ROTZ	86.92	P	01:51:48.750		60.9	4.81	TAS	2.2	0.97	m_e	mb	4.3
RUE	84.79	P	01:51:38.322	0.2	60.9	4.81	TAS	44.6	0.78	m_e	mb	5.8
TANN	86.47	P	01:51:46.114		60.9	4.81	TAS	9.6	1.31	m_e	mb	4.8
TNS	88.81	L	02:35:40.702				T__	93.1	19.80	a_e	Ms	4.2
WET	86.83	P	01:51:48.223		60.9	4.81	TAS	16.4	1.57	m_e	mb	4.9
WET	86.83	L	02:33:22.549				T__	95.0	20.20	a_e	Ms	4.2
WLF	90.36	P	01:52:04.875		60.9	4.81	TAS	17.6	0.92	m_e	mb	5.3

Event 80720004 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/20	10:24:57.10			-28.0700	-63.2500				588.0					98.85	103.77	m i ke	NEIC
	80720043																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	99.82		Pdiff	10:37:38.551						T__					m_e
BFO	99.34		Pdiff	10:37:36.054						T__					m_e
BRG	103.77		PP	10:42:17.184						T__					m_e
CLZ	102.27		Pdiff	10:37:49.293						T__					m_e
CLZ	102.27		PP	10:42:06.581						T__					m_e
FLT1	102.97		Pdiff	10:37:52.166						T__					m_e
FLT1	102.97		PP	10:42:11.300						T__					m_e
GRA1	101.67		Pdiff	10:37:46.830						T__					m_e
GRA1	101.67		PP	10:42:02.382						T__					m_e
IBBN	101.12		Pdiff	10:37:43.580						T__					m_e
KAST	100.89		Pdiff	10:37:42.834						T__					m_e
MANZ	102.32		Pdiff	10:37:49.361						T__					m_e
MANZ	102.32		PP	10:42:06.205						T__					m_e
MOX	102.36		Pdiff	10:37:49.600						T__					m_e
NRDL	102.45		Pdiff	10:37:50.113						T__					m_e
NRDL	102.45		PP	10:42:08.563						T__					m_e
PLN	102.59		Pdiff	10:37:50.969						T__					m_e
PLN	102.59		PP	10:42:08.495						T__					m_e
RETH	102.18		Pdiff	10:37:49.293						T__					m_e
RETH	102.18		PP	10:42:05.656						T__					m_e
ROTZ	102.27		Pdiff	10:37:49.293						T__					m_e
ROTZ	102.27		PP	10:42:06.408						T__					m_e
STU	100.06		Pdiff	10:37:39.270						T__					m_e
TANN	102.72		Pdiff	10:37:51.926						T__					m_e
TANN	102.72		PP	10:42:09.555						T__					m_e
TNS	100.40		Pdiff	10:37:40.878						T__					m_e

UBR	100.02	Pdiff	10:37:39.441	T__	m_e
WET	102.35	PP	10:42:06.853	T__	m_e
WLF	98.85	Pdiff	10:37:34.173	T__	m_e

Event 80720005 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/20	19:58:03.98			-3.3400	99.9900				33.0			21		90.04	93.58	m i ke	BGR
80720011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80720011
Ms	4.5		BGR	80720011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	93.58		P	20:11:16.150		93.1		4.62		TAS		10.8	1.08	m_e mb	5.1
BRG	90.07		P	20:11:00.271	0.2	93.1		4.62		TAS		12.6	0.90	m_e mb	5.1
BSEG	92.48		P	20:11:11.201	0.0	93.1		4.62		TAS		12.8	1.21	m_e mb	5.1
CLL	90.69		P	20:11:02.757	0.6	93.1		4.62		TAS		15.1	1.09	m_e mb	5.2
CLZ	92.36		P	20:11:10.779	0.1	93.1		4.62		TAS		13.8	1.05	m_e mb	5.2
GEC2	90.04		P	20:11:00.231		93.1		4.62		TAS		32.8	1.41	m_e mb	5.4
GRA1	91.72		P	20:11:08.606		93.1		4.62		TAS		17.9	0.93	m_e mb	5.4
GRA1	91.72		L	21:02:26.437						T__		158.6	18.00	a_e Ms	4.5
GTTG	92.61		P	20:11:12.012	-0.0	93.1		4.62		TAS		20.1	1.17	m_e mb	5.4
KAST	93.57		P	20:11:16.406	0.5	93.1		4.62		TAS		9.8	1.13	m_e mb	5.0
MANZ	91.17		P	20:11:05.987		93.1		4.62		TAS		4.9	1.02	m_e mb	4.8
MOX	91.52		P	20:11:07.023	-0.4	93.1		4.62		TAS		18.9	1.39	m_e mb	5.2
MOX	91.52		L	21:01:34.511						T__		168.8	18.00	a_e Ms	4.5
NEUB	91.46		P	20:11:06.587	0.6	93.1		4.62		TAS		22.4	0.71	m_e mb	5.6
NRDL	92.55		P	20:11:11.927	-0.5	93.1		4.62		TAS		18.2	1.18	m_e mb	5.4
PLN	91.17		P	20:11:05.515	-0.2	93.1		4.62		TAS		9.6	1.02	m_e mb	5.1
RJOB	90.56		P	20:11:01.914		93.1		4.62		TAS		6.9	0.94	m_e mb	5.0
ROTZ	91.09		P	20:11:05.494		93.1		4.62		TAS		2.8	0.92	m_e mb	4.6
RUE	90.31		P	20:11:01.447	-0.1	93.1		4.62		TAS		107.1	1.25	m_e mb	5.9
TANN	90.97		P	20:11:04.487		93.1		4.62		TAS		8.4	1.06	m_e mb	5.0
TNS	93.53		P	20:11:16.749		93.1		4.62		TAS		17.7	1.07	m_e mb	5.3
UBR	92.37		P	20:11:10.786		93.1		4.62		TAS		9.8	0.79	m_e mb	5.2
WET	90.61		P	20:11:03.012		93.1		4.62		TAS		12.5	0.89	m_e mb	5.2

Event 80721001 Mariana Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/20	23:56:00.00			18.4700	146.0000				128.0			10		98.49	103.52	m i ke	NEIC

80721040

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	80721007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	102.36		PP	00:13:54.902						T__				m_e	
BFO	103.52		PP	00:14:03.812						T__				m_e	
BRG	99.16		Pdiff	00:09:26.099						T__				m_e	
BRG	99.16		PP	00:13:30.865						T__				m_e	
BSEG	98.49		Pdiff	00:09:22.793	-0.2					T__				m_e	
BUG	101.59		PP	00:13:49.652						T__				m_e	
CLL	99.27		Pdiff	00:09:25.999						T__				m_e	
CLL	99.27		PP	00:13:31.142						T__				m_e	
CLZ	100.02		PP	00:13:36.322						T__				m_e	
FLT1	99.30		PP	00:13:30.935						T__				m_e	
GEC2	100.69		Pdiff	00:09:32.210						T__				m_e	
GEC2	100.69		PP	00:13:42.745						T__				m_e	
GOR1	98.78		Pdiff	00:09:23.695	0.3					T__				m_e	
GRA1	101.23		PP	00:13:46.959						T__				m_e	
GRA1	101.23		L	01:01:13.300						T__		226.7	19.50	a_e Ms	4.7
GTTG	100.41		PP	00:13:41.848						T__				m_e	
IBBN	100.73		PP	00:13:39.983						T__				m_e	
KAST	101.31		PP	00:13:47.718						T__				m_e	
MANZ	100.62		Pdiff	00:09:32.510						T__				m_e	
MANZ	100.62		PP	00:13:41.640						T__				m_e	
MOX	100.36		Pdiff	00:09:30.807						T__				m_e	
MOX	100.36		PP	00:13:39.568						T__				m_e	
MOX	100.36		L	00:58:34.427						T__		228.4	20.20	a_e Ms	4.7
NRDL	99.64		PP	00:13:34.595						T__				m_e	
PLN	100.24		Pdiff	00:09:30.106						T__				m_e	
PLN	100.24		PP	00:13:39.292						T__				m_e	
RETH	99.76		PP	00:13:34.457						T__				m_e	
RJOB	101.90		Pdiff	00:09:37.720						T__				m_e	
ROTZ	100.73		Pdiff	00:09:32.711						T__				m_e	
ROTZ	100.73		PP	00:13:42.055						T__				m_e	
STU	102.81		PP	00:13:57.388						T__				m_e	
TANN	100.15		PP	00:13:37.980						T__				m_e	
TNS	102.04		PP	00:13:52.553						T__				m_e	
UBBA	100.93		PP	00:13:43.851						T__				m_e	
UBR	103.20		PP	00:13:59.529						T__				m_e	
WET	100.87		PP	00:13:44.748						T__				m_e	
WLF	103.42		PP	00:14:02.016						T__				m_e	

Event 80721002 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2018/07/21 04:19:25.66 51.4150 155.6860 33.0 17 71.09 76.78 m i ke BGR
 80721008

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 80721008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.98		P	04:31:02.036		22.1		5.81		TAS		13.6	1.12	m_e mb	4.9
BFO	76.78		P	04:31:11.459		22.1		5.81		TAS		13.9	1.54	m_e mb	4.9
BFO	76.78		L	05:04:01.658						T__		55.0	21.70	a_e	
BRG	73.05		P	04:30:50.108	0.4	22.1		5.81		TAS		6.1	1.00	m_e mb	4.7
BSEG	71.09		L	05:03:22.154						T__		100.6	20.90	a_e	
CLL	72.89		P	04:30:48.755	-0.3	22.1		5.81		TAS		15.8	0.98	m_e mb	5.1
CLL	72.89		L	05:03:39.380						T__		58.3	20.60	a_e	
CLZ	73.02		P	04:30:50.485	-0.5	22.1		5.81		TAS		23.0	1.07	m_e mb	5.2
FLT1	72.37		P	04:30:45.810	-0.1	22.1		5.81		TAS		11.6	0.99	m_e mb	5.0
FUR	76.22		L	05:08:55.989						T__		52.6	21.40	a_e	
GEC2	74.97		P	04:31:01.575		22.1		5.81		TAS		10.3	1.26	m_e mb	4.7
GOR1	71.74		P	04:30:43.665	0.2	22.1		5.81		TAS		76.7	2.13	m_e mb	5.5
GRA1	74.82		P	04:31:01.112		22.1		5.81		TAS		15.2	0.96	m_e mb	5.0
GRA1	74.82		L	05:07:32.951						T__		37.0	21.70	a_e	
KAST	74.06		P	04:30:55.900		22.1		5.81		TAS		20.4	1.50	m_e mb	4.9
MANZ	74.33		P	04:30:57.366		22.1		5.81		TAS		1.6	1.14	m_e mb	3.9
MOX	73.84		P	04:30:54.903	0.1	22.1		5.81		TAS		8.7	1.30	m_e mb	4.6
MOX	73.84		L	05:05:00.805						T__		52.3	22.00	a_e	
PLN	73.85		P	04:30:54.991		22.1		5.81		TAS		9.2	1.25	m_e mb	4.7
RETH	72.42		P	04:30:46.452	-0.3	22.1		5.81		TAS		16.8	1.34	m_e mb	5.0
ROTZ	74.50		P	04:30:59.298		22.1		5.81		TAS		2.9	1.28	m_e mb	4.2
TANN	73.84		P	04:30:55.220	-0.6	22.1		5.81		TAS		3.6	1.17	m_e mb	4.3
TNS	74.98		L	05:05:17.710						T__		85.3	20.90	a_e	
WET	74.91		P	04:31:01.806		22.1		5.81		TAS		11.8	1.04	m_e mb	4.9
WET	74.91		L	05:09:30.248						T__		70.3	18.00	a_e	

Event 80721003 Southeastern Afghanistan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/07/21 05:17:59.43 34.4910 70.2890 33.0 20 43.44 48.50 m i ke BGR
 80721009

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 80721009
 Ms 3.2 BGR 80721009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.81		P	05:26:32.325	0.0	86.5		7.94		TAS		88.2	2.29	m_e mb	5.5

BFO	47.24	P	05:26:27.390		86.5	7.94	TAS	12.8	1.46	m_e	mb	4.8
BRG	43.44	P	05:25:57.503	0.8	86.5	7.94	TAS	15.1	1.01	m_e	mb	4.7
BSEG	45.65	P	05:26:14.693	0.2	86.5	7.94	TAS	13.0	0.82	m_e	mb	5.0
CLL	44.03	P	05:26:01.550	0.3	86.5	7.94	TAS	6.4	0.85	m_e	mb	4.4
FLT1	45.11	P	05:26:10.010	-0.1	86.5	7.94	TAS	25.7	0.83	m_e	mb	5.2
GEC2	43.64	P	05:25:59.312		86.5	7.94	TAS	7.0	1.16	m_e	mb	4.3
GRA1	45.22	P	05:26:12.753		86.5	7.94	TAS	21.7	1.17	m_e	mb	5.0
GRA1	45.22	L	05:44:11.959				T__	33.8	20.30	a_e	Ms	3.3
GTTG	45.92	P	05:26:17.282	0.0	86.5	7.94	TAS	28.2	1.13	m_e	mb	5.2
IBBN	47.25	P	05:26:27.428	-0.3	86.5	7.94	TAS	17.5	0.70	m_e	mb	5.3
MANZ	44.63	P	05:26:07.582		86.5	7.94	TAS	2.3	1.06	m_e	mb	4.0
MOX	44.92	P	05:26:09.469	-0.5	86.5	7.94	TAS	6.8	0.92	m_e	mb	4.6
MOX	44.92	L	05:46:20.022				T__	25.7	21.40	a_e	Ms	3.1
NEUB	44.80	P	05:26:08.120	0.0	86.5	7.94	TAS	21.6	1.03	m_e	mb	5.0
NRDL	45.80	P	05:26:16.160	0.1	86.5	7.94	TAS	11.2	0.79	m_e	mb	4.9
PLN	44.58	P	05:26:06.790		86.5	7.94	TAS	5.6	0.93	m_e	mb	4.5
RETH	46.25	P	05:26:19.220	-0.5	86.5	7.94	TAS	6.6	0.95	m_e	mb	4.6
ROTZ	44.58	P	05:26:07.228		86.5	7.94	TAS	3.6	1.12	m_e	mb	4.2
TANN	44.39	P	05:26:05.210		86.5	7.94	TAS	7.8	1.12	m_e	mb	4.3
UBR	46.13	P	05:26:18.900		86.5	7.94	TAS	8.4	0.74	m_e	mb	4.9
WLF	48.50	P	05:26:38.007		86.5	7.94	TAS	19.0	1.08	m_e	mb	5.0

Event 80721004 Turkey-Iran border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/21	06:15:16.05			38.1910	44.2390				33.0					24.42	28.06	m i ke	BGR
80721010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	80721010
Ms	3.5		BGR	80721010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	27.82		L	06:34:31.082						T__		134.0	19.70	a_e	Ms	3.5
BSEG	27.97		L	06:33:28.566						T__		256.1	21.80	a_e	Ms	3.8
CLL	25.55		L	06:32:30.191						T__		135.3	19.60	a_e	Ms	3.5
FUR	25.84		L	06:32:22.050						T__		166.7	20.20	a_e	Ms	3.6
GEC2	24.42		L	06:31:48.310						T__		152.9	20.20	a_e	Ms	3.5
GRA1	26.20		P	06:20:47.497		109.4		10.60		TAS		6.9	0.78	m_e	mb	4.4
GRA1	26.20		L	06:34:11.868						T__		146.7	18.00	a_e	Ms	3.6
MOX	26.19		L	06:33:14.120						T__		132.6	20.10	a_e	Ms	3.5
TNS	28.06		L	06:35:17.826						T__		89.0	19.30	a_e	Ms	3.4
WET	25.01		L	06:32:39.985						T__		179.2	18.20	a_e	Ms	3.6

Event 80721005 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/21	07:58:50.41			55.6700	-161.5900				33.0			32		70.07	76.86	m i ke	BGR
80721011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80721011
Ms	4.7		BGR	80721011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.74		P	08:10:19.272	0.1	355.8		5.81		TAS		31.8	1.08	a_e	mb 5.3
BFO	76.03		P	08:10:32.205	-0.0	355.8		5.81		TAS		126.4	2.12	m_e	mb 5.7
BFO	76.03		L	08:54:09.887						T__		374.3	19.20	a_e	Ms 4.7
BRG	73.76		P	08:10:19.322	0.0	355.8		5.81		TAS		46.7	1.09	a_e	mb 5.4
BSEG	70.56		P	08:10:00.622	0.1	355.8		5.81		TAS		67.0	1.07	a_e	mb 5.7
BSEG	70.56		L	08:50:04.456						T__		569.9	19.00	a_e	Ms 4.8
BUG	72.86		P	08:10:13.952	0.1	355.8		5.81		TAS		77.3	1.20	m_e	mb 5.7
CLL	73.30		P	08:10:16.322	0.0	355.8		5.81		TAS		44.4	1.10	a_e	mb 5.5
CLL	73.30		L	08:44:58.882						T__		386.7	21.80	a_e	Ms 4.6
CLZ	72.65		P	08:10:13.372	-0.1	355.8		5.81		TAS		98.7	1.28	m_e	mb 5.8
FLT1	72.20		P	08:10:09.772	0.4	355.8		5.81		TAS		54.4	1.19	a_e	mb 5.6
FUR	76.37		P	08:10:34.557	-0.3	355.8		5.81		TAS		146.9	1.57	m_e	mb 5.9
FUR	76.37		L	09:00:16.197						T__		320.6	19.50	a_e	Ms 4.6
GEC2	75.78		P	08:10:31.161	-0.3	355.8		5.81		TAS		39.5	1.23	m_e	mb 5.4
GOR1	71.55		P	08:10:06.597	0.0	355.8		5.81		TAS		80.1	1.43	m_e	mb 5.6
GRA1	74.84		P	08:10:25.868	0.1	355.8		5.81		TAS		75.0	1.36	m_e	mb 5.5
GRA1	74.84		L	08:53:19.555						T__		313.6	19.20	a_e	Ms 4.6
GTTG	72.92		P	08:10:14.722	-0.4	355.8		5.81		TAS		95.6	1.19	a_e	mb 5.8
IBBN	72.03		P	08:10:09.322	-0.6	355.8		5.81		TAS		115.3	1.37	a_e	mb 5.8
KAST	73.17		P	08:10:16.022	-0.0	355.8		5.81		TAS		44.2	1.31	a_e	mb 5.4
MANZ	74.58		P	08:10:24.226	0.4	355.8		5.81		TAS		10.4	1.35	m_e	mb 4.7
MOX	73.90		P	08:10:20.272	-0.0	355.8		5.81		TAS		83.6	1.25	a_e	mb 5.6
MOX	73.90		L	08:53:24.689						T__		323.3	19.50	a_e	Ms 4.6
NEUB	73.36		P	08:10:17.121	-0.2	355.8		5.81		TAS		99.2	1.19	m_e	mb 5.8
NRDL	71.98		P	08:10:08.922	0.1	355.8		5.81		TAS		69.8	1.19	m_e	mb 5.7
PLN	74.09		P	08:10:21.259	0.0	355.8		5.81		TAS		28.4	1.16	m_e	mb 5.2
RETH	71.70		P	08:10:07.472	-0.2	355.8		5.81		TAS		43.2	1.15	a_e	mb 5.5
RGN	70.07		P	08:09:58.066	0.2	355.8		5.81		TAS		196.3	1.19	m_e	mb 6.1
RJOB	76.86		P	08:10:37.351		355.8		5.81		TAS		30.6	0.88	m_e	mb 5.4
ROTZ	74.81		P	08:10:25.722	0.2	355.8		5.81		TAS		11.9	1.28	a_e	mb 4.8
RUE	72.15		P	08:10:10.072	0.0	355.8		5.81		TAS		134.2	1.19	a_e	mb 6.0
STU	75.65		P	08:10:30.171	0.0	355.8		5.81		TAS		69.9	1.08	m_e	mb 5.7
TANN	74.17		P	08:10:21.894	0.1	355.8		5.81		TAS		60.1	1.62	m_e	mb 5.4
TNS	74.15		P	08:10:21.672	0.2	355.8		5.81		TAS		46.4	1.24	a_e	mb 5.4
TNS	74.15		L	08:52:15.220						T__		452.7	19.70	a_e	Ms 4.8
UBBA	73.65		P	08:10:18.511	0.1	355.8		5.81		TAS		51.7	1.65	m_e	mb 5.3
UBR	76.79		P	08:10:36.682		355.8		5.81		TAS		28.0	1.13	m_e	mb 5.3

WET	75.45	P	08:10:29.439	-0.1	355.8	5.81	TAS	44.4	1.28	m_e	mb	5.3
WET	75.45	L	08:50:47.341				T__	426.0	21.50	a_e	Ms	4.7
WLF	74.54	P	08:10:24.170	0.2	355.8	5.81	TAS	68.8	1.25	m_e	mb	5.5

Event 80722003 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	05:07:19.42			27.6860	52.3100				33.0			29		36.41	41.37	m i ke	BGR
80722009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80722009
Ms	4.5		BGR	80722009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	41.03		P	05:14:59.632		109.7		8.41		TAS		25.5	0.89	m_e	mb	5.0
BFO	39.64		L	05:33:58.503						T__		815.3	20.30	a_e	Ms	4.6
BRG	37.05		P	05:14:25.489	-0.3	109.7		8.41		TAS		32.6	1.12	m_e	mb	5.0
BSEG	40.32		P	05:14:52.288	-0.0	109.7		8.41		TAS		85.3	1.20	m_e	mb	5.3
BSEG	40.32		L	05:37:02.032						T__		745.3	18.70	a_e	Ms	4.6
BUG	41.18		P	05:15:00.709		109.7		8.41		TAS		110.0	1.16	m_e	mb	5.5
CLL	37.77		P	05:14:31.300	-0.5	109.7		8.41		TAS		38.2	1.06	m_e	mb	5.1
CLL	37.77		L	05:35:10.681						T__		1143.6	19.70	a_e	Ms	4.7
CLZ	39.49		P	05:14:46.533	0.4	109.7		8.41		TAS		82.2	1.09	m_e	mb	5.3
FLT1	39.18		P	05:14:43.406	0.2	109.7		8.41		TAS		112.4	0.99	m_e	mb	5.5
FUR	37.71		P	05:14:31.892	-0.7	109.7		8.41		TAS		48.6	0.97	m_e	mb	5.2
FUR	37.71		L	05:32:04.370						T__		542.3	21.80	a_e	Ms	4.3
GEC2	36.41		P	05:14:20.550	-0.2	109.7		8.41		TAS		12.3	0.98	m_e	mb	4.7
GOR1	39.40		P	05:14:45.216	-0.0	109.7		8.41		TAS		120.1	1.00	m_e	mb	5.5
GRA1	38.23		P	05:14:36.169	-0.4	109.7		8.41		TAS		42.6	0.98	m_e	mb	5.1
GRA1	38.23		L	05:34:49.228						T__		727.7	18.10	a_e	Ms	4.5
GTTG	39.62		P	05:14:47.485	-0.1	109.7		8.41		TAS		105.6	1.28	m_e	mb	5.3
IBBN	41.17		P	05:15:00.446		109.7		8.41		TAS		274.9	1.60	m_e	mb	5.7
KAST	40.42		P	05:14:54.629	-0.6	109.7		8.41		TAS		128.0	1.46	m_e	mb	5.3
MANZ	37.80		P	05:14:32.314	0.5	109.7		8.41		TAS		3.4	0.92	m_e	mb	4.1
MOX	38.33		P	05:14:36.330	-0.4	109.7		8.41		TAS		12.3	1.21	m_e	mb	4.5
MOX	38.33		L	05:35:06.568						T__		1004.0	18.00	a_e	Ms	4.7
NEUB	38.44		P	05:14:37.156	0.7	109.7		8.41		TAS		20.8	0.81	m_e	mb	4.9
NRDL	39.88		P	05:14:49.824	0.0	109.7		8.41		TAS		279.7	1.48	m_e	mb	5.7
PLN	37.95		P	05:14:32.879	0.1	109.7		8.41		TAS		6.5	0.95	m_e	mb	4.3
RETH	40.39		P	05:14:53.735	-0.1	109.7		8.41		TAS		108.8	1.43	m_e	mb	5.3
RGN	38.99		P	05:14:41.103	-0.1	109.7		8.41		TAS		135.0	0.84	m_e	mb	5.6
RJOB	36.60		P	05:14:22.848	0.8	109.7		8.41		TAS		12.6	0.67	m_e	mb	4.8
ROTZ	37.66		P	05:14:31.319	0.1	109.7		8.41		TAS		6.0	1.01	m_e	mb	4.3
RUE	37.82		P	05:14:31.497	-0.1	109.7		8.41		TAS		83.1	1.05	m_e	mb	5.4
TNS	40.10		P	05:14:51.630	0.1	109.7		8.41		TAS		86.0	1.61	m_e	mb	5.1

TNS	40.10	L	05:36:23.825							T__	751.9	18.50	a_e	Ms	4.6
UBBA	39.35	P	05:14:45.348	-0.1	109.7		8.41			TAS	84.1	1.84	m_e	mb	5.1
UBR	38.32	P	05:14:36.988	0.9	109.7		8.41			TAS	65.0	1.09	m_e	mb	5.3
WET	37.03	P	05:14:25.336	-0.6	109.7		8.41			TAS	16.4	0.97	m_e	mb	4.7
WET	37.03	L	05:34:12.425							T__	644.7	19.90	a_e	Ms	4.4
WLF	41.37	P	05:15:01.696		109.7		8.41			TAS	46.8	1.11	m_e	mb	5.1

Event 80722004 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2018/07/22	10:07:44.50			34.9750	43.8350				33.0			29		26.16	31.12	m i ke	BGR
80722010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	80722010
MBB	6.0		BGR	80722010
Ms	5.2		BGR	80722010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	30.78		P	10:13:56.835		109.4		8.93		TAS		251.7	1.10	m_e	mb	6.1
BFO	29.41		P	10:13:44.306	0.1	109.4		8.93		TAS		38.9	0.87	m_e	mb	5.3
BFO	29.41		L	10:27:54.744						T__		6375.0	19.50	a_e	Ms	5.3
BRG	26.80		P	10:13:20.383	-0.6	109.4		8.93		TAS		314.8	1.61	m_e	mb	5.8
BSEG	30.12		L	10:28:24.034						T__		14634.2	19.10	a_e	Ms	5.6
BUG	30.92		P	10:13:57.818		109.4		8.93		TAS		520.5	1.57	m_e	mb	6.2
CLL	27.52		P	10:13:26.911	-0.4	109.4		8.93		TAS		240.9	1.15	m_e	mb	5.9
CLL	27.52		L	10:28:08.876						T__		6855.8	18.60	a_e	Ms	5.3
CLZ	29.24		P	10:13:42.499	0.1	109.4		8.93		TAS		147.7	0.85	m_e	mb	5.8
FLT1	28.94		P	10:13:39.297	0.8	109.4		8.93		TAS		394.5	1.42	m_e	mb	6.0
FUR	27.47		P	10:13:27.507	0.5	109.4		8.93		TAS		567.3	0.87	m_e	mb	6.3
FUR	27.47		L	10:26:32.316						T__		6191.5	18.50	a_e	Ms	5.2
GEC2	26.16		P	10:13:15.439	-0.2	109.4		8.93		TAS		72.1	1.18	m_e	MBB	5.6
GEC2	26.16		L	10:27:16.700						T__		5801.7	18.20	a_e	Ms	5.2
GOR1	29.18		P	10:13:42.037	-0.3	109.4		8.93		TAS		765.4	1.19	m_e	mb	6.4
GRA1	27.98		P	10:13:32.026	0.2	109.4		8.93		TAS		380.3	1.07	m_e	mb	6.2
GRA1	27.98		L	10:28:50.326						T__		4541.6	20.60	a_e	Ms	5.0
GTTG	29.37		P	10:13:44.009	-0.2	109.4		8.93		TAS		287.7	1.31	m_e	mb	5.9
IBBN	30.92		P	10:13:58.025		109.4		8.93		TAS		1722.5	1.63	m_e	mb	6.7
KAST	30.16		P	10:13:51.398	-0.6	109.4		8.93		TAS		401.6	1.61	m_e	mb	6.0
MANZ	27.54		P	10:13:27.864	-0.1	109.4		8.93		TAS		21.1	1.00	m_e	mb	4.9
MOX	28.07		P	10:13:31.920	-0.7	109.4		8.93		TAS		147.2	1.45	m_e	MBB	5.9
MOX	28.07		L	10:26:12.134						T__		5832.6	21.00	a_e	Ms	5.1
NEUB	28.19		P	10:13:32.863	-0.5	109.4		8.93		TAS		100.0	0.97	m_e	mb	5.6
NRDL	29.64		P	10:13:46.578	0.3	109.4		8.93		TAS		309.6	1.16	m_e	mb	6.0
PLN	27.69		P	10:13:28.900	-0.3	109.4		8.93		TAS		80.6	1.25	m_e	mb	5.4
RETH	30.16		P	10:13:50.727	-0.2	109.4		8.93		TAS		625.9	1.18	m_e	mb	6.3

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RJOB	26.37	P	10:13:17.793	0.7	109.4	8.93	TAS	243.4	1.21	m_e	mb	5.7
ROTZ	27.40	P	10:13:26.865	0.2	109.4	8.93	TAS	76.1	1.05	m_e	mb	5.4
RUE	27.60	P	10:13:27.834	0.8	109.4	8.93	TAS	1046.9	1.78	m_e	mb	6.4
TANN	27.49	P	10:13:27.006	-0.3	109.4	8.93	TAS	282.1	1.84	m_e	mb	5.7
TNS	29.84	P	10:13:48.289	-0.0	109.4	8.93	TAS	501.7	1.39	m_e	mb	6.2
TNS	29.84	L	10:29:49.299				T__	6679.1	18.30	a_e	Ms	5.3
UBBA	29.09	P	10:13:41.407	0.0	109.4	8.93	TAS	337.5	1.82	m_e	mb	5.9
UBR	28.10	P	10:13:33.017	0.8	109.4	8.93	TAS	407.9	1.18	m_e	mb	6.1
WET	26.77	P	10:13:20.574	-0.5	109.4	8.93	TAS	176.0	1.16	m_e	MBB	6.0
WET	26.77	L	10:28:26.558				T__	4530.4	19.90	a_e	Ms	5.0
WLF	31.12	P	10:13:59.204		109.4	8.93	TAS	250.6	0.97	m_e	mb	6.1

Event 80722005 Carlsberg Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	11:27:14.63			8.7860	57.4750				10.0					55.69	58.55	m i ke	BGR
80722011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80722011
Ms	3.9		BGR	80722011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	57.01		P	11:37:03.191		118.0		8.32		TAS		17.5	1.58	m_e	mb	4.8
CLL	55.88		P	11:36:55.384		118.0		8.32		TAS		16.8	1.66	m_e	mb	4.8
CLZ	57.56		P	11:37:06.751		118.0		8.32		TAS		11.1	1.22	m_e	mb	4.8
FLT1	57.36		P	11:37:05.100		118.0		8.32		TAS		7.8	1.20	m_e	mb	4.6
GRA1	56.00		P	11:36:54.476		118.0		8.32		TAS		16.1	1.24	m_e	mb	4.9
GTTG	57.63		P	11:37:07.670		118.0		8.32		TAS		8.2	0.80	m_e	mb	4.8
KAST	58.30		P	11:37:12.306		118.0		8.32		TAS		9.3	1.34	m_e	mb	4.6
MOX	56.27		L	11:59:02.199						T__		116.7	21.60	a_e	Ms	3.9
NRDL	58.04		P	11:37:09.901		118.0		8.32		TAS		37.1	1.87	m_e	mb	5.1
RETH	58.55		P	11:37:13.491		118.0		8.32		TAS		15.9	1.53	m_e	mb	4.8
RUE	56.14		L	12:05:10.145						T__		102.9	20.30	a_e	Ms	3.9
TANN	55.69		P	11:36:53.263		118.0		8.32		TAS		37.1	2.44	m_e	mb	5.0
TNS	57.82		P	11:37:08.566		118.0		8.32		TAS		3.3	0.72	m_e	mb	4.5

Event 80722006 Bay of Campeche

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	12:39:56.33			19.8390	-93.1870				156.2				13	80.96	85.22	m i ke	BGR
80722012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80722012
Ms	4.1		BGR	80722012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	81.83		P	12:51:57.358	-0.4	293.6		5.15		TAS		8.4	0.78	m_e	mb	4.9
CLZ	82.67		P	12:52:01.642	0.3	293.6		5.15		TAS		6.6	1.02	m_e	mb	4.8
CLZ	82.67		pP	12:52:40.341						T__				m_e		
FLT1	82.97		P	12:52:02.624		293.6		5.15		TAS		6.1	1.17	m_e	mb	4.7
GRA1	84.01		P	12:52:09.130		293.6		5.15		TAS		13.4	1.51	m_e	mb	4.9
GRA1	84.01		L	13:25:05.412						T__		87.3	20.30	a_e	Ms	4.1
KAST	81.77		P	12:51:56.404	0.1	293.6		5.15		TAS		4.7	1.04	m_e	mb	4.6
KAST	81.77		pP	12:52:35.604						T__				m_e		
MOX	83.86		P	12:52:06.926		293.6		5.15		TAS		2.6	0.84	m_e	mb	4.5
MOX	83.86		L	13:23:04.601						T__		78.0	20.30	a_e	Ms	4.1
NRDL	82.26		P	12:51:59.569	0.7	293.6		5.15		TAS		5.8	0.90	m_e	mb	4.7
NRDL	82.26		pP	12:52:37.256						T__				m_e		
RETH	81.75		P	12:51:57.060	0.1	293.6		5.15		TAS		8.9	1.01	m_e	mb	4.8
RETH	81.75		pP	12:52:35.815						T__				m_e		
TANN	84.44		P	12:52:10.958		293.6		5.15		TAS		4.8	0.97	m_e	mb	4.7
TNS	82.15		P	12:51:58.735	-0.7	293.6		5.15		TAS		9.0	0.78	m_e	mb	5.0
TNS	82.15		pP	12:52:37.579						T__				m_e		
UBR	84.12		P	12:52:09.077		293.6		5.15		TAS		6.8	1.02	m_e	mb	4.8
UBR	84.12		pP	12:52:46.822						T__				m_e		
WET	85.22		P	12:52:14.572		293.6		5.15		TAS		2.6	0.93	m_e	mb	4.4
WLF	80.96		P	12:51:52.891	0.3	293.6		5.15		TAS		4.9	0.66	m_e	mb	4.7

Event 80722007 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	20:39:38.84			30.2960	53.7790				33.0			24		35.51	40.18	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80722013
Ms	4.9		BGR	80722013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	40.10		P	20:47:10.614	-0.2	105.2		8.47		TAS		186.8	2.17	m_e	mb	5.3
BFO	38.86		L	21:06:00.896						T__		1326.3	19.50	a_e	Ms	4.8
BRG	35.99		P	20:46:35.723	-0.3	105.2		8.47		TAS		10.5	0.95	m_e	mb	4.6
BSEG	39.11		P	20:47:00.722	0.2	105.2		8.47		TAS		917.7	3.22	m_e	mb	5.9
BSEG	39.11		L	21:09:24.379						T__		3394.0	18.30	a_e	Ms	5.2
BUG	40.18		P	20:47:11.103	0.3	105.2		8.47		TAS		62.4	1.20	m_e	mb	5.1
CLL	36.69		P	20:46:41.843	-0.2	105.2		8.47		TAS		61.8	0.91	m_e	mb	5.3
CLL	36.69		L	21:06:51.118						T__		3134.8	19.50	a_e	Ms	5.1

CLZ	38.42	P	20:46:56.559	0.4	105.2	8.47	TAS	44.1	0.98	m_e	mb	5.2
FLT1	38.06	P	20:46:52.763	0.3	105.2	8.47	TAS	67.8	0.88	m_e	mb	5.4
FUR	36.89	L	21:05:57.359				T__	1997.5	21.40	a_e	Ms	4.9
GEC2	35.51	P	20:46:32.348	-0.0	105.2	8.47	TAS	226.7	1.91	m_e	mb	5.7
GEC2	35.51	L	21:07:49.290				T__	2045.2	19.20	a_e	Ms	4.9
GRA1	37.30	P	20:46:47.626	0.1	105.2	8.47	TAS	198.9	2.52	m_e	mb	5.4
GRA1	37.30	L	21:07:50.965				T__	2150.4	19.20	a_e	Ms	5.0
GTTG	38.58	P	20:46:58.014	-1.6	105.2	8.47	TAS	107.6	1.75	m_e	mb	5.2
IBBN	40.10	P	20:47:10.439	0.5	105.2	8.47	TAS	40.8	0.96	m_e	mb	5.0
KAST	39.42	P	20:47:05.355	-0.6	105.2	8.47	TAS	31.4	1.18	m_e	mb	4.8
MANZ	36.83	P	20:46:43.200	0.8	105.2	8.47	TAS	13.8	1.71	m_e	mb	4.4
MOX	37.32	P	20:46:45.576	-0.1	105.2	8.47	TAS	86.0	2.34	m_e	mb	5.1
MOX	37.32	L	21:04:59.619				T__	2222.3	21.10	a_e	Ms	4.9
NEUB	37.39	P	20:46:47.862	-0.9	105.2	8.47	TAS	32.5	1.17	m_e	mb	4.9
NRDL	38.77	P	20:46:59.426	0.3	105.2	8.47	TAS	197.8	2.17	m_e	mb	5.4
RETH	39.28	P	20:47:02.626	0.8	105.2	8.47	TAS	248.1	2.45	m_e	mb	5.4
RGN	37.69	P	20:46:48.816	-0.4	105.2	8.47	TAS	339.4	1.24	m_e	mb	5.9
ROTZ	36.71	P	20:46:42.067		105.2	8.47	TAS	22.3	2.01	m_e	mb	4.5
TANN	36.74	P	20:46:41.418		105.2	8.47	TAS	50.3	2.19	m_e	mb	4.9
TNS	39.17	P	20:47:03.298		105.2	8.47	TAS	269.9	2.10	m_e	mb	5.5
TNS	39.17	L	21:07:03.802				T__	1560.0	18.80	a_e	Ms	4.9
UBBA	38.36	P	20:46:55.851		105.2	8.47	TAS	58.0	1.72	m_e	mb	5.0
UBR	37.56	P	20:46:49.643		105.2	8.47	TAS	179.1	1.67	m_e	mb	5.5
WET	36.11	P	20:46:36.677		105.2	8.47	TAS	142.8	1.95	m_e	mb	5.5
WET	36.11	L	21:08:51.769				T__	2063.7	18.30	a_e	Ms	4.9

Event 80722008 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	21:00:18.77			28.8480	51.6190				33.0			16		35.77	39.92	m i ke	BGR
	80722014																

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80722014
Ms	4.3		BGR	80722014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	35.78		P	21:07:13.990		109.1		8.49		TAS		11.8	1.30	m_e	mb	4.6
BUG	39.92		P	21:07:49.420	0.1	109.1		8.49		TAS		23.8	1.32	m_e	mb	4.7
CLL	36.49		P	21:07:20.398	-0.3	109.1		8.49		TAS		13.5	1.14	m_e	mb	4.7
CLZ	38.22		P	21:07:35.249	-0.5	109.1		8.49		TAS		17.7	0.77	m_e	mb	4.9
FLT1	37.90		P	21:07:32.091	0.0	109.1		8.49		TAS		37.5	1.09	m_e	mb	5.0
FUR	36.47		P	21:07:20.403		109.1		8.49		TAS		33.1	1.50	m_e	mb	4.9
GOR1	38.12		P	21:07:33.788	-0.1	109.1		8.49		TAS		32.9	1.08	m_e	mb	5.0
GRA1	36.98		P	21:07:24.883		109.1		8.49		TAS		9.2	0.82	m_e	mb	4.5
GRA1	36.98		L	21:22:54.450						T__		561.4	18.30	a_e	Ms	4.4

IBBN	39.89	P	21:07:49.196	0.0	109.1	8.49	TAS	16.7	0.88	m_e	mb	4.7
KAST	39.16	P	21:07:43.274	0.1	109.1	8.49	TAS	16.2	1.34	m_e	mb	4.5
MOX	37.06	L	21:25:15.171				T__	416.6	20.40	a_e	Ms	4.2
NRDL	38.60	P	21:07:38.429	0.2	109.1	8.49	TAS	36.4	1.09	m_e	mb	4.9
RETH	39.12	P	21:07:42.508	0.0	109.1	8.49	TAS	10.7	1.29	m_e	mb	4.3
ROTZ	36.40	P	21:07:19.982		109.1	8.49	TAS	1.1	0.89	m_e	mb	3.7
TNS	38.84	P	21:07:40.224		109.1	8.49	TAS	7.4	1.18	m_e	mb	4.2
UBR	37.09	P	21:07:25.785		109.1	8.49	TAS	15.3	0.92	m_e	mb	4.7
WET	35.77	P	21:07:14.274		109.1	8.49	TAS	7.3	1.33	m_e	mb	4.3

Event 80722009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	21:21:57.30			-18.9300	168.9100				100.0			29		141.37	146.71	m i ke	NEIC
80722048																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	80722015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.30		PKPdf	21:41:22.048	0.4	38.2		3.22		TAS				m_e	
BFO	146.71		PKPdf	21:41:26.015		38.2		3.22		TAS				m_e	
BFO	146.71		L	22:53:55.734						T__		69.0	21.70	a_e	Ms 4.4
BRG	142.46		PKPdf	21:41:12.263	-0.0	38.2		3.22		TAS				m_e	
BSEG	141.37		PKPdf	21:41:09.336	-0.1	38.2		3.22		TAS				m_e	
BSEG	141.37		L	22:41:33.362						T__		165.8	21.50	a_e	Ms 4.8
BUG	144.47		PKPdf	21:41:18.675	-0.3	38.2		3.22		TAS				m_e	
CLL	142.51		PKPdf	21:41:12.270	0.0	38.2		3.22		TAS				m_e	
CLL	142.51		L	22:45:57.537						T__		113.2	21.30	a_e	Ms 4.6
CLZ	143.08		PKPdf	21:41:14.915	-0.0	38.2		3.22		TAS				m_e	
FLT1	142.37		PKPdf	21:41:12.080	-0.6	38.2		3.22		TAS				m_e	
FUR	145.65		PKPdf	21:41:23.170		38.2		3.22		TAS				m_e	
FUR	145.65		L	22:46:02.632						T__		97.4	21.90	a_e	Ms 4.5
GEC2	144.07		PKPdf	21:41:17.904	-0.5	38.2		3.22		TAS				m_e	
GOR1	141.81		PKPdf	21:41:11.056	-0.4	38.2		3.22		TAS				m_e	
GRA1	144.48		PKPdf	21:41:19.630	-0.2	38.2		3.22		TAS				m_e	
GRA1	144.48		L	22:40:50.741						T__		96.6	21.80	a_e	Ms 4.5
GTTG	143.47		PKPdf	21:41:16.049	-0.2	38.2		3.22		TAS				m_e	
IBBN	143.57		PKPdf	21:41:16.123	0.2	38.2		3.22		TAS				m_e	
KAST	144.29		PKPdf	21:41:18.507	-0.1	38.2		3.22		TAS				m_e	
MANZ	143.89		PKPdf	21:41:17.588	0.0	38.2		3.22		TAS				m_e	
MOX	143.57		PKPdf	21:41:15.970	0.4	38.2		3.22		TAS				m_e	
MOX	143.57		L	22:31:10.914						T__		102.4	21.80	a_e	Ms 4.6
NEUB	143.08		PKPdf	21:41:14.323	0.2	38.2		3.22		TAS				m_e	
NRDL	142.63		PKPdf	21:41:12.796	-0.2	38.2		3.22		TAS				m_e	
PLN	143.48		PKPdf	21:41:15.826	0.3	38.2		3.22		TAS				m_e	

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RETH	142.68	PKPdf	21:41:13.304	-0.3	38.2	3.22	TAS	m_e										
ROTZ	144.02	PKPdf	21:41:17.885	-0.0	38.2	3.22	TAS	m_e										
STU	146.02	PKPdf	21:41:23.541		38.2	3.22	TAS	m_e										
TANN	143.42	PKPdf	21:41:15.604	0.5	38.2	3.22	TAS	m_e										
TNS	145.10	PKPdf	21:41:21.490	0.6	38.2	3.22	TAS	m_e										
TNS	145.10	L	22:42:20.107				T__		152.2	21.60	a_e Ms						4.7	
UBBA	144.05	PKPdf	21:41:17.683	-0.0	38.2	3.22	TAS	m_e										
UBR	146.52	PKPdf	21:41:25.199		38.2	3.22	TAS	m_e										
WET	144.21	PKPdf	21:41:18.312	0.3	38.2	3.22	TAS	m_e										
WET	144.21	L	22:43:51.576				T__		113.6	21.80	a_e Ms						4.6	
WLF	146.36	PKPdf	21:41:25.730	-0.5	38.2	3.22	TAS	m_e										

Event 80723001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2018/07/22	23:43:48.30			-18.4500	-178.2000				457.0				17	145.16	149.95	m i ke	NEIC	
	80723039																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.61		PKPbc	00:02:44.730		17.1		2.70		TAS					m_e
BRG	146.12		PKPbc	00:02:35.625	-0.6	17.1		2.70		TAS					m_e
CLL	145.91		PKPbc	00:02:34.931	0.3	17.1		2.70		TAS					m_e
CLZ	145.89		PKPbc	00:02:35.199	0.2	17.1		2.70		TAS					m_e
FLT1	145.27		PKPbc	00:02:32.672	0.4	17.1		2.70		TAS					m_e
GEC2	148.06		PKPbc	00:02:41.076		17.1		2.70		TAS					m_e
GTTG	146.24		PKPbc	00:02:36.292	0.3	17.1		2.70		TAS					m_e
IBBN	145.78		PKPbc	00:02:34.521	-0.2	17.1		2.70		TAS					m_e
KAST	146.79		PKPbc	00:02:37.356	-0.1	17.1		2.70		TAS					m_e
MANZ	147.35		PKPbc	00:02:39.261		17.1		2.70		TAS					m_e
PLN	146.87		PKPbc	00:02:38.109		17.1		2.70		TAS					m_e
RETH	145.16		PKPbc	00:02:32.684	0.4	17.1		2.70		TAS					m_e
ROTZ	147.54		PKPbc	00:02:39.850		17.1		2.70		TAS					m_e
TANN	146.87		PKPbc	00:02:38.025		17.1		2.70		TAS					m_e
TNS	147.74		PKPbc	00:02:40.201		17.1		2.70		TAS					m_e
UBR	149.95		PKPbc	00:02:45.351		17.1		2.70		TAS					m_e
WLF	148.55		PKPbc	00:02:42.612		17.1		2.70		TAS					m_e

Event 80723002 Chagos Archipelago region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/22	23:58:13.54			-6.1670	68.2830				33.0					74.34	74.60	m i ke	BGR

80723008

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80723008
Ms	3.5		BGR	80723008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	74.34		P	00:09:48.997		121.0		7.01		TAS		6.9	0.93	m_e	mb	4.7
GRA1	74.34		L	00:47:16.754						T__		26.3	21.40	a_e	Ms	3.5
MOX	74.60		L	00:45:38.208						T__		25.2	18.10	a_e	Ms	3.6

Event 80723003 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/23	00:59:39.60			32.3280	45.9340				33.0			21		29.85	34.18	m i ke	BGR

80723009

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80723009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	32.44		L	01:20:14.724						T__		83.7	20.00	a_e		
BRG	29.92		P	01:05:43.991	-0.1	110.9		8.80		TAS		2.6	0.79	m_e	mb	4.1
BSEG	33.27		P	01:06:14.338		110.9		8.80		TAS		6.9	1.12	m_e	mb	4.5
BSEG	33.27		L	01:20:45.176						T__		193.5	19.10	a_e		
BUG	34.02		P	01:06:20.879		110.9		8.80		TAS		18.6	1.55	m_e	mb	4.8
CLL	30.65		P	01:05:51.710	0.4	110.9		8.80		TAS		4.0	0.92	m_e	mb	4.3
CLL	30.65		L	01:18:35.705						T__		68.2	19.20	a_e		
CLZ	32.36		P	01:06:06.018	-0.6	110.9		8.80		TAS		5.9	0.68	m_e	mb	4.6
FLT1	32.07		P	01:06:03.808	1.1	110.9		8.80		TAS		4.3	0.73	m_e	mb	4.5
FUR	30.51		P	01:05:50.742	-1.0	110.9		8.80		TAS		12.1	0.71	m_e	mb	4.9
FUR	30.51		L	01:18:52.559						T__		102.7	19.60	a_e		
GOR1	32.32		P	01:06:05.219	-0.0	110.9		8.80		TAS		24.3	1.11	m_e	mb	5.0
GRA1	31.06		P	01:05:54.457	0.6	110.9		8.80		TAS		18.1	1.43	m_e	mb	4.8
GRA1	31.06		L	01:20:59.314						T__		54.6	21.80	a_e		
IBBN	34.03		P	01:06:21.289		110.9		8.80		TAS		11.4	0.62	m_e	mb	5.0
KAST	33.27		P	01:06:14.180		110.9		8.80		TAS		16.5	1.51	m_e	mb	4.7
MANZ	30.63		P	01:05:52.042	0.8	110.9		8.80		TAS		0.4	0.81	m_e	mb	3.4
MOX	31.18		P	01:05:56.595	-0.2	110.9		8.80		TAS		2.4	1.12	m_e	mb	4.0
MOX	31.18		L	01:18:33.564						T__		65.3	21.20	a_e		
NRDL	32.77		P	01:06:09.560		110.9		8.80		TAS		7.0	0.80	m_e	mb	4.6
RETH	33.29		P	01:06:14.620		110.9		8.80		TAS		20.3	1.17	m_e	mb	4.9
ROTZ	30.49		P	01:05:50.115	0.3	110.9		8.80		TAS		1.1	0.75	m_e	mb	3.8
TNS	32.92		P	01:06:12.810		110.9		8.80		TAS		9.4	1.19	m_e	mb	4.6
TNS	32.92		L	01:19:24.965						T__		50.0	21.00	a_e		
UBBA	32.19		P	01:06:05.938	-0.6	110.9		8.80		TAS		2.7	0.94	m_e	mb	4.2

UBR	31.11	P	01:05:56.103	-0.5	110.9	8.80	TAS	6.2	0.59	m_e	mb	4.7
WET	29.85	P	01:05:44.697	-0.3	110.9	8.80	TAS	16.4	1.88	m_e	mb	4.5
WET	29.85	L	01:20:47.649				T__	95.6	18.50	a_e		
WLF	34.18	P	01:06:22.117		110.9	8.80	TAS	23.6	1.67	m_e	mb	4.9

Event 80723004 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/23	02:40:24.70			37.5300	29.9300				10.0			19		16.33	21.44	m i ke	NEIC
80723043																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80723010
Ms	3.6		BGR	80723010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	19.08		P	02:44:48.967		125.0		11.23		TAS		55.3	1.14	m_e	mb	4.7
BFO	19.08		L	02:53:46.589						T__		224.8	18.30	a_e	Ms	3.5
BRG	17.53		P	02:44:30.333	-0.8	125.0		11.23		TAS		60.1	1.74	m_e	mb	4.4
BSEG	21.25		L	02:53:50.656						T__		312.5	21.50	a_e	Ms	3.7
CLL	18.27		P	02:44:38.891	-0.7	125.0		11.23		TAS		26.1	1.42	m_e	mb	4.2
CLL	18.27		L	02:54:18.122						T__		304.7	18.10	a_e	Ms	3.6
CLZ	19.86		P	02:44:55.452	-0.2	125.0		11.23		TAS		24.0	1.16	m_e	mb	4.3
FLT1	19.77		P	02:44:54.413	1.1	125.0		11.23		TAS		87.8	1.97	m_e	mb	4.6
FUR	17.28		L	02:51:52.956						T__		529.8	18.70	a_e	Ms	3.8
GEC2	16.33		P	02:44:16.582		125.0		11.23		TAS		77.7	1.57	m_e	mb	4.6
GRA1	18.14		L	02:53:10.838						T__		425.5	18.30	a_e	Ms	3.8
GTTG	19.88		P	02:44:57.194	-1.5	125.0		11.23		TAS		123.0	1.79	m_e	mb	4.8
IBBN	21.44		P	02:45:13.452	-1.1	125.0		11.23		TAS		43.6	1.32	m_e	mb	4.6
KAST	20.48		P	02:45:02.914	0.1	125.0		11.23		TAS		19.9	1.35	m_e	mb	4.2
MANZ	17.85		P	02:44:33.635		125.0		11.23		TAS		29.7	2.54	m_e	mb	4.0
MOX	18.51		P	02:44:42.330	0.4	125.0		11.23		TAS		85.3	1.82	m_e	mb	4.7
MOX	18.51		L	02:52:04.108						T__		189.4	21.90	a_e	Ms	3.3
NRDL	20.40		P	02:45:01.978	0.5	125.0		11.23		TAS		80.1	1.61	m_e	mb	4.7
PLN	18.14		P	02:44:37.028		125.0		11.23		TAS		114.6	2.57	m_e	mb	4.5
RETH	20.91		P	02:45:07.608	-0.7	125.0		11.23		TAS		67.3	1.65	m_e	mb	4.7
ROTZ	17.67		P	02:44:32.415		125.0		11.23		TAS		19.6	1.99	m_e	mb	3.9
TANN	17.94		P	02:44:33.423		125.0		11.23		TAS		53.7	1.85	m_e	mb	4.4
TNS	19.93		P	02:44:58.303		125.0		11.23		TAS		125.7	1.73	m_e	mb	4.9
TNS	19.93		L	02:53:00.817						T__		320.6	18.50	a_e	Ms	3.7
UBR	17.72		P	02:44:32.962		125.0		11.23		TAS		139.4	1.95	m_e	mb	4.8
WET	16.94		P	02:44:23.409		125.0		11.23		TAS		109.2	1.77	m_e	mb	4.7
WET	16.94		L	02:51:16.414						T__		483.1	20.00	a_e	Ms	3.7

Event 80723005 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/23	10:36:01.57			-0.2190	-19.5980				33.0					54.07	59.48	m i ke	BGR
80723011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	80723011
Ms	5.3		BGR	80723011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	55.44		P	10:45:35.509		216.9		7.57		TAS		49.2	0.91	a_e	mb	5.5
ASSE	58.03		P	10:44:57.359		216.9		7.57		TAS				a_e		
BFO	54.07		P	10:45:24.572		216.9		7.57		TAS		57.4	0.87	m_e	mb	5.6
BFO	54.07		L	11:00:32.498						T__		988.1	21.80	a_e	Ms	4.8
BRG	58.32		P	10:45:54.659		216.9		7.57		TAS		24.0	0.90	a_e	mb	5.2
BSEG	59.37		P	10:46:02.359		216.9		7.57		TAS		102.9	0.79	a_e	mb	5.9
BSEG	59.37		L	11:09:06.392						T__		1110.7	22.00	a_e	Ms	4.9
BUG	56.26		P	10:45:40.809		216.9		7.57		TAS		50.2	0.89	a_e	mb	5.6
CLL	58.27		P	10:45:54.609		216.9		7.57		TAS		47.3	1.28	a_e	mb	5.4
CLL	58.27		L	11:10:06.329						T__		1852.9	20.20	a_e	Ms	5.2
CLZ	57.69		P	10:45:50.859		216.9		7.57		TAS		17.8	1.08	a_e	mb	5.0
FLT1	58.40		P	10:45:55.709		216.9		7.57		TAS		43.4	0.98	a_e	mb	5.4
FUR	55.12		P	10:45:32.209		216.9		7.57		TAS		168.1	1.08	a_e	mb	6.0
FUR	55.12		L	11:07:49.624						T__		5661.0	21.00	a_e	Ms	5.6
GEC2	56.68		P	10:45:43.209		216.9		7.57		TAS		404.9	2.09	m_e	mb	6.1
GEC2	56.68		L	11:08:37.025						T__		1912.3	21.40	a_e		
GOR1	58.96		P	10:46:31.459		216.9		7.57		TAS				a_e		
GRA1	56.30		P	10:45:40.459		216.9		7.57		TAS		69.1	1.00	a_e	mb	5.6
GRA1	56.30		L	11:09:28.655						T__		3810.8	19.30	a_e		
GTTG	57.30		P	10:45:48.509		216.9		7.57		TAS		38.3	1.16	a_e	mb	5.3
IBBN	57.16		P	10:45:47.359		216.9		7.57		TAS		57.9	0.95	a_e	mb	5.6
KAST	56.46		P	10:45:42.259		216.9		7.57		TAS		21.1	0.98	a_e	mb	5.1
MANZ	56.89		P	10:45:44.709		216.9		7.57		TAS		15.3	0.88	a_e	mb	5.0
MOX	57.21		P	10:45:47.259		216.9		7.57		TAS		45.1	0.85	a_e	mb	5.5
MOX	57.21		L	11:09:42.979						T__		2913.1	18.70	a_e	Ms	5.4
NEUB	57.70		P	10:45:50.859		216.9		7.57		TAS		94.7	0.82	a_e	mb	5.9
NRDL	58.13		P	10:45:54.409		216.9		7.57		TAS		56.0	1.21	a_e	mb	5.5
PLN	57.30		P	10:45:47.559		216.9		7.57		TAS		41.9	0.82	a_e	mb	5.5
RETH	58.06		P	10:45:54.059		216.9		7.57		TAS		36.2	0.92	a_e	mb	5.4
RJOB	55.45		P	10:45:33.859		216.9		7.57		TAS		95.9	0.89	a_e	mb	5.8
ROTZ	56.76		P	10:45:43.609		216.9		7.57		TAS		11.0	1.10	a_e	mb	4.8
RUE	59.48		P	10:46:03.259		216.9		7.57		TAS		107.7	0.89	a_e	mb	5.9
STU	54.76		P	10:45:29.359		216.9		7.57		TAS		144.2	0.93	a_e	mb	6.0
TANN	57.36		P	10:45:48.159		216.9		7.57		TAS		56.5	0.84	a_e	mb	5.6
TNS	55.67		P	10:45:36.459		216.9		7.57		TAS		57.7	0.87	a_e	mb	5.6
TNS	55.67		L	11:07:00.007						T__		2628.9	19.00	a_e	Ms	5.3
UBBA	56.73		P	10:45:44.059		216.9		7.57		TAS		120.7	1.74	a_e	mb	5.6

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UBR	54.26	P	10:45:26.043	216.9	7.57	TAS	132.0	1.17	m_e	mb	5.9
WET	56.56	P	10:45:42.359	216.9	7.57	TAS	80.5	0.87	a_e	mb	5.8
WET	56.56	L	11:08:30.118			T__	4092.2	21.80	a_e	Ms	5.5

Event 80723006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/23	19:11:16.40			-18.7100	168.6600				33.0					143.28	146.41	m i ke	NEIC
OrigID 80723045																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.1		BGR	80723012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	146.41		PKPbc	19:30:53.472		38.4		3.38		TAS				m_e		
BUG	144.18		L	20:33:52.984						T__		32.9	21.90	a_e	Ms	4.1
FUR	145.35		PKPbc	19:30:50.925		38.4		3.38		TAS				m_e		
GRA1	144.18		PKPbc	19:30:46.979		38.4		3.38		TAS				m_e		
MOX	143.28		L	20:30:13.521						T__		33.7	19.00	a_e	Ms	4.1
RJOB	144.99		PKPbc	19:30:49.575		38.4		3.38		TAS				m_e		
ROTZ	143.72		PKPbc	19:30:45.415		38.4		3.38		TAS				m_e		
TNS	144.81		PKPbc	19:30:48.941		38.4		3.38		TAS				m_e		
UBR	146.22		PKPbc	19:30:53.062		38.4		3.38		TAS				m_e		
WLF	146.07		PKPbc	19:30:53.316		38.4		3.38		TAS				m_e		

Event 80723007 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2018/07/23	21:37:42.96			46.6860	148.1200				33.0					31	73.54	79.11	m i ke	BGR
OrigID 80723013																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	80723013
Ms	3.9		BGR	80723013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.48		P	21:49:33.058	0.2	28.8		5.65		TAS		99.0	1.12	m_e	mb	5.8
BFO	79.09		P	21:49:41.789	-0.5	28.8		5.65		TAS		60.4	0.94	m_e	mb	5.6
BFO	79.09		L	22:16:53.030						T__		64.8	20.20	a_e	Ms	4.0
BRG	75.10		P	21:49:19.450	-0.0	28.8		5.65		TAS		51.4	1.04	m_e	mb	5.5
BSEG	73.54		P	21:49:10.765	0.2	28.8		5.65		TAS		54.2	0.98	m_e	mb	5.5
BSEG	73.54		L	22:28:20.114						T__		77.4	20.50	a_e	Ms	4.0
BUG	76.61		P	21:49:28.170	-0.3	28.8		5.65		TAS		110.7	1.14	a_e	mb	5.9

CLL	75.02	P	21:49:18.870	-0.3	28.8	5.65	TAS	184.0	0.99	m_e	mb	6.1
CLL	75.02	L	22:15:04.443				T__	55.4	21.90	a_e	Ms	3.8
CLZ	75.36	P	21:49:21.520	-0.5	28.8	5.65	TAS	154.2	1.11	m_e	mb	5.9
FLT1	74.68	P	21:49:16.825	0.3	28.8	5.65	TAS	93.6	0.93	m_e	mb	5.8
FUR	78.32	P	21:49:38.047		28.8	5.65	TAS	160.3	1.00	m_e	mb	6.1
FUR	78.32	L	22:25:44.747				T__	69.8	21.80	a_e	Ms	3.9
GEC2	76.93	P	21:49:30.047	0.1	28.8	5.65	TAS	41.5	0.67	m_e	mb	5.7
GOR1	74.08	P	21:49:14.132	-0.1	28.8	5.65	TAS	136.1	1.27	m_e	mb	5.8
GRA1	76.99	P	21:49:30.943	-0.2	28.8	5.65	TAS	21.7	1.17	m_e	mb	5.2
GRA1	76.99	L	22:25:14.659				T__	58.6	20.70	a_e	Ms	3.9
GTTG	75.74	P	21:49:23.670	0.2	28.8	5.65	TAS	127.9	1.06	a_e	mb	6.0
IBBN	75.70	P	21:49:23.128	0.3	28.8	5.65	TAS	106.1	1.03	m_e	mb	5.9
KAST	76.50	P	21:49:27.812	-0.2	28.8	5.65	TAS	81.1	1.10	m_e	mb	5.8
MANZ	76.46	P	21:49:27.468	0.5	28.8	5.65	TAS	15.8	1.06	m_e	mb	5.1
MOX	76.04	P	21:49:25.020	-0.2	28.8	5.65	TAS	123.0	1.26	a_e	mb	5.9
MOX	76.04	L	22:21:53.941				T__	83.1	19.60	a_e	Ms	4.0
NEUB	75.51	P	21:49:21.774	-0.0	28.8	5.65	TAS	170.1	1.11	m_e	mb	6.1
NRDL	74.87	P	21:49:18.255	0.1	28.8	5.65	TAS	52.2	0.99	m_e	mb	5.5
PLN	76.00	P	21:49:24.819	0.1	28.8	5.65	TAS	78.7	1.15	m_e	mb	5.7
RETH	74.87	P	21:49:18.518	0.1	28.8	5.65	TAS	73.5	0.97	m_e	mb	5.7
RJOB	78.19	P	21:49:37.502		28.8	5.65	TAS	67.0	0.90	m_e	mb	5.8
ROTZ	76.62	P	21:49:28.495	0.5	28.8	5.65	TAS	19.3	1.02	m_e	mb	5.2
RUE	73.77	P	21:49:12.293	-0.5	28.8	5.65	TAS	125.8	1.00	m_e	mb	5.9
STU	78.43	P	21:49:38.403	0.3	28.8	5.65	TAS	201.3	0.91	m_e	mb	6.2
TANN	75.97	P	21:49:24.440	0.2	28.8	5.65	TAS	121.9	1.80	m_e	mb	5.7
TNS	77.37	P	21:49:32.713	0.1	28.8	5.65	TAS	120.7	1.31	m_e	mb	5.9
TNS	77.37	L	22:24:48.781				T__	52.1	21.40	a_e	Ms	3.8
UBBA	76.38	P	21:49:26.684	-0.0	28.8	5.65	TAS	119.1	1.54	m_e	mb	5.8
UBR	79.11	P	21:49:41.920		28.8	5.65	TAS	25.3	0.82	m_e	mb	5.3
WET	76.94	P	21:49:30.660	-0.5	28.8	5.65	TAS	158.3	1.12	m_e	mb	6.0
WET	76.94	L	22:21:34.199				T__	61.0	21.70	a_e	Ms	3.9
WLF	78.52	P	21:49:39.050	0.0	28.8	5.65	TAS	27.8	0.87	m_e	mb	5.3

Event 80724001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/24	04:17:11.49			55.2170	-158.4260				33.0			15		70.82	77.15	m i ke	BGR
80724007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80724007
Ms	3.8		BGR	80724007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	76.23		P	04:28:54.920		353.9		5.79		TAS		3.1	0.74	m_e	mb	4.5
BFO	76.23		L	05:03:39.477						T__		56.1	20.10	a_e	Ms	3.9

BRG	74.09	P	04:28:42.710		353.9		5.79	TAS	4.1	0.85	m_e	mb	4.5
BSEG	70.82	P	04:28:23.679	-0.2	353.9		5.79	TAS	23.9	1.73	m_e	mb	5.0
BSEG	70.82	L	04:57:34.881					T__	74.8	21.10	a_e	Ms	3.9
CLL	73.61	P	04:28:39.618	-0.2	353.9		5.79	TAS	7.4	1.19	m_e	mb	4.6
CLL	73.61	L	04:59:12.842					T__	55.8	22.00	a_e	Ms	3.8
CLZ	72.91	P	04:28:36.383	-0.1	353.9		5.79	TAS	27.2	1.84	m_e	mb	5.1
FLT1	72.48	P	04:28:33.055	-0.1	353.9		5.79	TAS	4.8	0.80	m_e	mb	4.7
FUR	76.63	L	05:02:13.788					T__	48.5	21.00	a_e	Ms	3.8
GEC2	76.10	P	04:28:54.525		353.9		5.79	TAS	4.8	1.13	m_e	mb	4.5
GOR1	71.83	P	04:28:30.092	-0.4	353.9		5.79	TAS	26.3	1.77	m_e	mb	5.1
GRA1	75.10	L	05:04:10.528					T__	47.9	20.60	a_e	Ms	3.8
GTTG	73.17	P	04:28:37.878	0.3	353.9		5.79	TAS			m_e		
KAST	73.39	P	04:28:38.723	-0.1	353.9		5.79	TAS	6.7	1.21	m_e	mb	4.6
MOX	74.18	P	04:28:43.307		353.9		5.79	TAS	14.0	1.32	m_e	mb	4.8
MOX	74.18	L	05:12:26.432					T__	47.8	18.00	a_e	Ms	3.8
NRDL	72.24	P	04:28:31.850	0.4	353.9		5.79	TAS	4.9	1.01	m_e	mb	4.6
RJOB	77.15	P	04:29:00.478		353.9		5.79	TAS	6.8	0.73	m_e	mb	4.9
ROTZ	75.09	P	04:28:48.924		353.9		5.79	TAS	0.8	0.95	m_e	mb	3.7
TNS	74.36	P	04:28:44.270		353.9		5.79	TAS	13.2	1.27	m_e	mb	4.8
TNS	74.36	L	05:01:29.235					T__	53.9	21.20	a_e	Ms	3.8
WET	75.76	L	04:55:46.983					T__	44.0	21.70	a_e	Ms	3.7

Event 80724002 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/24	14:45:01.02			42.6730	-127.9880				33.0			26		77.35	83.54	m i ke	BGR
80724008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80724008
Ms	5.1		BGR	80724008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.23		P	14:57:01.250	0.1	330.9		5.32		TAS		32.4	1.30	a_e	mb	5.2
BFO	81.54		P	14:57:13.350		330.9		5.32		TAS		228.7	2.75	a_e	mb	5.8
BFO	81.54		L	15:32:12.716						T__		828.5	21.90	a_e	Ms	5.1
BRG	81.11		P	14:57:11.350	-0.1	330.9		5.32		TAS		323.6	2.70	a_e	mb	5.9
BSEG	77.35		P	14:56:51.000	0.2	330.9		5.32		TAS		332.9	2.80	a_e	mb	6.0
BSEG	77.35		L	15:30:49.298						T__		640.8	21.80	a_e	Ms	4.9
CLL	80.44		P	14:57:07.550	0.0	330.9		5.32		TAS		275.8	2.85	a_e	mb	5.7
CLL	80.44		L	15:34:10.550						T__		896.2	20.80	a_e	Ms	5.1
CLZ	79.18		P	14:57:01.450	0.2	330.9		5.32		TAS		68.9	1.42	m_e	mb	5.5
FLT1	79.02		P	14:56:59.650	-0.1	330.9		5.32		TAS		41.9	1.21	a_e	mb	5.3
FUR	82.67		L	15:33:36.907						T__		1176.5	21.50	a_e	Ms	5.2
GEC2	82.84		P	14:57:20.300		330.9		5.32		TAS				a_e		
GOR1	78.47		P	14:56:57.400	0.0	330.9		5.32		TAS		251.4	2.21	a_e	mb	6.0

GRA1	81.32	P	14:57:12.750		330.9		5.32	TAS	288.2	2.69	a_e	mb	5.8
GRA1	81.32	L	15:35:00.801					T__	882.5	19.40	a_e	Ms	5.1
GTTG	79.31	P	14:57:01.800	0.1	330.9		5.32	TAS	179.8	2.36	a_e	mb	5.7
IBBN	77.95	P	14:56:54.200	0.1	330.9		5.32	TAS	276.4	2.34	a_e	mb	6.0
KAST	79.11	P	14:57:00.450	-0.2	330.9		5.32	TAS	52.2	2.22	a_e	mb	5.2
MANZ	81.34	P	14:57:12.350	-0.2	330.9		5.32	TAS	33.2	2.70	a_e	mb	4.9
MOX	80.61	P	14:57:08.500	0.1	330.9		5.32	TAS	137.0	2.53	a_e	mb	5.5
MOX	80.61	L	15:33:49.607					T__	965.5	20.30	a_e	Ms	5.1
NRDL	78.53	P	14:56:57.550	-0.5	330.9		5.32	TAS	57.6	1.62	a_e	mb	5.3
PLN	80.91	P	14:57:10.000	0.4	330.9		5.32	TAS	19.5	1.22	a_e	mb	5.0
RETH	78.09	P	14:56:55.400	-0.2	330.9		5.32	TAS	307.8	2.61	a_e	mb	6.0
RJOB	83.54	P	14:57:23.900		330.9		5.32	TAS	189.3	2.73	a_e	mb	5.8
ROTZ	81.56	P	14:57:13.750	-0.3	330.9		5.32	TAS	43.8	2.84	a_e	mb	5.1
TANN	81.07	P	14:57:11.000	0.0	330.9		5.32	TAS	173.9	3.00	a_e	mb	5.6
TNS	79.96	P	14:57:05.000	-0.1	330.9		5.32	TAS	69.1	2.09	a_e	mb	5.2
TNS	79.96	L	15:32:03.472					T__	1505.9	21.50	a_e	Ms	5.3
UBBA	79.95	P	14:57:05.150	-0.1	330.9		5.32	TAS	110.0	2.18	a_e	mb	5.4
UBR	82.71	P	14:57:20.050		330.9		5.32	TAS	110.9	2.09	a_e	mb	5.7
WET	82.32	P	14:57:17.700		330.9		5.32	TAS	29.2	1.78	a_e	mb	5.1
WET	82.32	L	15:33:35.932					T__	766.8	21.30	a_e	Ms	5.0
WLF	79.65	P	14:57:03.550	0.3	330.9		5.32	TAS	43.9	1.43	a_e	mb	5.2

Event 80724003 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/24	17:22:43.07			42.7630	-128.6730				33.0			14		78.22	83.67	m i k e	BGR
80724009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80724009
Ms	4.4		BGR	80724009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	81.70		P	17:34:56.361		331.4		5.31		TAS		14.6	1.43	m_e	mb 4.9
BRG	81.22		P	17:34:54.489		331.4		5.31		TAS		15.6	1.42	m_e	mb 4.8
CLL	80.56		P	17:34:50.790		331.4		5.31		TAS		21.1	1.63	m_e	mb 4.9
CLZ	79.31		P	17:34:44.424	0.9	331.4		5.31		TAS		29.0	1.47	m_e	mb 5.1
FLT1	79.14		P	17:34:42.941	0.2	331.4		5.31		TAS		23.4	1.43	m_e	mb 5.0
GEC2	82.96		P	17:35:03.134		331.4		5.31		TAS		10.9	1.33	m_e	mb 4.9
GRA1	81.45		L	18:09:32.894						T__		138.6	20.20	a_e	Ms 4.3
MANZ	81.47		P	17:34:55.682		331.4		5.31		TAS		4.5	1.88	m_e	mb 4.2
MOX	80.74		P	17:34:51.581		331.4		5.31		TAS		4.2	1.05	m_e	mb 4.4
MOX	80.74		L	18:09:33.153						T__		186.2	19.20	a_e	Ms 4.5
NRDL	78.66		P	17:34:40.468	-0.2	331.4		5.31		TAS		13.0	1.28	m_e	mb 4.8
RETH	78.22		P	17:34:38.326	-0.3	331.4		5.31		TAS		34.2	1.63	m_e	mb 5.2
RJOB	83.67		P	17:35:06.781		331.4		5.31		TAS		5.7	1.10	m_e	mb 4.7

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TANN	81.19	P	17:34:53.893	331.4	5.31	TAS	4.6	1.20	m_e	mb	4.4
TNS	80.11	P	17:34:48.007	331.4	5.31	TAS			m_e		
UBR	82.86	P	17:35:03.857	331.4	5.31	TAS	33.6	1.73	m_e	mb	5.3

Event 80724004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/24	19:26:09.11			-20.8620	-176.4020				33.0			22		146.57	152.73	m i ke	BGR
OrigID 80724010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	80724010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	152.33		PKPbc	19:46:01.860		14.6		2.51		TAS				a_e		
BRG	148.96		PKPbc	19:45:53.780	0.4	14.6		2.51		TAS				m_e		
BSEG	146.59		PKPbc	19:45:47.110	0.2	14.6		2.51		TAS				a_e		
CLL	148.73		PKPbc	19:45:52.960	0.2	14.6		2.51		TAS				m_e		
CLZ	148.63		PKPbc	19:45:52.998	0.1	14.6		2.51		TAS				m_e		
FLT1	148.03		PKPbc	19:45:50.910	-0.1	14.6		2.51		TAS				a_e		
GEC2	150.93		PKPbc	19:45:58.610		14.6		2.51		TAS				a_e		
GOR1	147.38		PKPbc	19:45:49.810	-0.1	14.6		2.51		TAS				a_e		
GRA1	150.60		L	20:51:50.544						T__		40.6	19.40	a_e	Ms	4.2
GTTG	148.97		PKPbc	19:45:53.810	0.2	14.6		2.51		TAS				a_e		
HLG	146.57		PKPbc	19:45:47.682	-0.6	14.6		2.51		TAS				m_e		
KAST	149.48		PKPbc	19:45:55.210	0.4	14.6		2.51		TAS				a_e		
MANZ	150.16		PKPbc	19:45:56.960		14.6		2.51		TAS				a_e		
MOX	149.61		PKPbc	19:45:55.460	0.1	14.6		2.51		TAS				a_e		
MOX	149.61		L	21:04:18.756						T__		35.2	21.10	a_e	Ms	4.1
NRDL	148.03		PKPbc	19:45:51.260	-0.3	14.6		2.51		TAS				a_e		
PLN	149.67		PKPbc	19:45:55.560	-0.6	14.6		2.51		TAS				a_e		
RETH	147.87		PKPbc	19:45:50.803	-0.0	14.6		2.51		TAS				m_e		
RJOB	152.18		PKPbc	19:46:01.156		14.6		2.51		TAS				m_e		
ROTZ	150.36		PKPbc	19:45:57.360		14.6		2.51		TAS				a_e		
STU	151.79		PKPbc	19:46:00.810		14.6		2.51		TAS				a_e		
TANN	149.69		PKPbc	19:45:55.660	-0.4	14.6		2.51		TAS				a_e		
UBR	152.73		PKPbc	19:46:02.660		14.6		2.51		TAS				a_e		
WLF	151.19		PKPbc	19:45:59.955		14.6		2.51		TAS				m_e		

Event 80725002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/25	00:01:16.90			-17.5050	-179.2780				605.0			17		142.89	148.63	m i ke	IDC
OrigID																	

80725075

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	148.63		PKPbc	00:19:57.268		18.5		2.91		TAS				m_e		
BRG	145.07		PKPbc	00:19:47.786	-0.5	18.5		2.91		TAS				m_e		
BSEG	142.89		PKPbc	00:19:40.391	-0.1	18.5		2.91		TAS				m_e		
CLL	144.89		PKPbc	00:19:47.112	0.2	18.5		2.91		TAS				m_e		
CLZ	144.90		PKPbc	00:19:47.342	0.2	18.5		2.91		TAS				m_e		
FLT1	144.27		PKPbc	00:19:44.910	0.4	18.5		2.91		TAS				m_e		
GEC2	147.01		PKPbc	00:19:53.233		18.5		2.91		TAS				m_e		
GOR1	143.63		PKPbc	00:19:43.397	0.0	18.5		2.91		TAS				m_e		
GRA1	146.79		PKPbc	00:19:52.625		18.5		2.91		TAS				m_e		
IBBN	144.83		PKPbc	00:19:46.958	0.0	18.5		2.91		TAS				m_e		
NEUB	145.25		PKPbc	00:19:48.416	-0.3	18.5		2.91		TAS				m_e		
NRDL	144.31		PKPbc	00:19:45.244	-0.2	18.5		2.91		TAS				m_e		
PLN	145.84		PKPbc	00:19:50.061		18.5		2.91		TAS				m_e		
RETH	144.19		PKPbc	00:19:44.754	0.2	18.5		2.91		TAS				m_e		
ROTZ	146.51		PKPbc	00:19:51.712		18.5		2.91		TAS				m_e		
TANN	145.84		PKPbc	00:19:50.103		18.5		2.91		TAS				m_e		
WLF	147.62		PKPbc	00:19:55.134		18.5		2.91		TAS				m_e		

Event 80725003 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2018/07/25	04:20:30.00			25.4400	130.5200				33.0					85.67	90.19	m i ke	NEIC
80725042																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80725009
Ms	5.4		BGR	80725009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	90.19		L	05:18:35.633						T__		1757.6	18.10	a_e Ms	5.5
BSEG	85.67		L	05:15:19.192						T__		785.0	18.90	a_e Ms	5.1
CLL	85.97		L	05:15:50.797						T__		1972.8	18.00	a_e Ms	5.6
FUR	88.76		L	05:16:39.027						T__		1087.9	18.40	a_e Ms	5.3
GRA1	87.85		P	04:33:14.460		52.1		4.77		TAS		5.1	0.55	m_e mb	5.1
GRA1	87.85		L	05:16:57.314						T__		2058.4	18.90	a_e Ms	5.6
MOX	87.07		L	05:16:33.844						T__		1658.3	18.00	a_e Ms	5.5
TNS	88.91		L	05:16:40.586						T__		1679.9	19.70	a_e Ms	5.5
WET	87.32		L	05:16:55.735						T__		1157.9	19.40	a_e Ms	5.3

Event 80725004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/25	12:37:48.91			46.8800	152.2540				33.0			20		74.49	80.19	m i ke	BGR
OrigID 80725010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80725010
Ms	3.9		BGR	80725010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	78.41		P	12:49:44.968		26.1		5.57		TAS		8.1	0.75	m_e	mb	4.9
BFO	80.10		P	12:49:53.755		26.1		5.57		TAS		8.6	0.88	m_e	mb	4.7
BFO	80.10		L	13:33:01.112						T__		41.2	22.00	a_e	Ms	3.7
BSEG	74.49		L	13:24:03.835						T__		63.8	21.10	a_e	Ms	3.9
CLL	76.10		P	12:49:31.437	0.2	26.1		5.57		TAS		12.4	0.68	m_e	mb	5.2
CLL	76.10		L	13:26:08.981						T__		54.9	19.00	a_e	Ms	3.9
CLZ	76.36		P	12:49:33.687	0.1	26.1		5.57		TAS		9.8	0.78	m_e	mb	5.0
FLT1	75.69		P	12:49:29.060	0.1	26.1		5.57		TAS		10.9	0.88	m_e	mb	5.0
GEC2	78.08		P	12:49:42.857		26.1		5.57		TAS		4.7	0.79	m_e	mb	4.7
GRA1	78.06		P	12:49:42.837		26.1		5.57		TAS		14.2	0.75	m_e	mb	5.2
GRA1	78.06		L	13:29:58.016						T__		58.5	19.90	a_e	Ms	3.9
GTTG	76.74		P	12:49:35.741	-0.1	26.1		5.57		TAS		8.0	0.54	m_e	mb	5.1
IBBN	76.62		P	12:49:34.874	0.3	26.1		5.57		TAS		10.5	0.67	m_e	mb	5.1
KAST	77.46		P	12:49:39.666	-0.5	26.1		5.57		TAS		6.7	0.82	m_e	mb	4.8
MANZ	77.54		P	12:49:40.300		26.1		5.57		TAS		1.4	0.93	m_e	mb	4.1
MOX	77.09		P	12:49:37.454	0.4	26.1		5.57		TAS		5.6	0.77	m_e	mb	4.8
MOX	77.09		L	13:23:24.255						T__		47.5	21.70	a_e	Ms	3.8
NRDL	75.84		P	12:49:30.385	0.1	26.1		5.57		TAS		4.7	0.72	m_e	mb	4.7
PLN	77.08		P	12:49:37.529	0.2	26.1		5.57		TAS		7.6	1.17	m_e	mb	4.7
RETH	75.82		P	12:49:30.383	0.2	26.1		5.57		TAS		9.5	1.11	m_e	mb	4.8
RJOB	79.34		P	12:49:50.450		26.1		5.57		TAS		5.6	0.77	m_e	mb	4.7
ROTZ	77.71		P	12:49:41.075		26.1		5.57		TAS		1.9	1.03	m_e	mb	4.2
TNS	78.34		P	12:49:44.571		26.1		5.57		TAS		8.8	0.69	m_e	mb	5.0
TNS	78.34		L	13:22:13.662						T__		71.2	20.30	a_e	Ms	4.0
UBR	80.19		P	12:49:54.282		26.1		5.57		TAS		5.3	0.72	m_e	mb	4.6
WET	78.06		P	12:49:43.257		26.1		5.57		TAS		9.1	0.86	m_e	mb	4.9
WET	78.06		L	13:26:47.062						T__		50.2	22.00	a_e	Ms	3.8

Event 80726001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/26	03:46:31.83			-19.9860	170.4420				33.0			13		144.98	148.25	m i ke	BGR
OrigID 80726007																	

Magnitude Err Nsta Author OrigID
Ms 4.0 BGR 80726007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.25		PKPbc	04:06:14.079		36.6		3.08		TAS				m_e	
GEC2	145.68		PKPbc	04:06:06.403		36.6		3.08		TAS				m_e	
GRA1	146.04		L	05:06:09.332						T__		28.2	21.10	a_e Ms	4.0
GTTG	144.98		PKPbc	04:06:04.459		36.6		3.08		TAS				m_e	
IBBN	145.03		PKPbc	04:06:04.404		36.6		3.08		TAS				m_e	
MANZ	145.46		PKPbc	04:06:05.956		36.6		3.08		TAS				m_e	
MOX	145.12		PKPbc	04:06:04.754		36.6		3.08		TAS				m_e	
MOX	145.12		L	05:15:06.336						T__		24.2	21.30	a_e Ms	3.9
PLN	145.04		PKPbc	04:06:04.589		36.6		3.08		TAS				m_e	
RJOB	146.91		PKPbc	04:06:10.315		36.6		3.08		TAS				m_e	
ROTZ	145.59		PKPbc	04:06:06.506		36.6		3.08		TAS				m_e	
TANN	144.98		PKPbc	04:06:04.430		36.6		3.08		TAS				m_e	
UBR	148.10		PKPbc	04:06:13.867		36.6		3.08		TAS				m_e	
WET	145.80		PKPbc	04:06:07.004		36.6		3.08		TAS				m_e	
WLF	147.84		PKPbc	04:06:13.969		36.6		3.08		TAS				m_e	

Event 80726003 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/26	23:13:54.21			26.7570	-44.5890				10.0					45.68	50.05	m i ke	BGR
OrigID 80726009																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 80726009
Ms 4.2 BGR 80726009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	45.68		P	23:22:15.652		261.2		7.56		TAS		22.8	1.43	m_e mb	5.0
BFO	46.11		P	23:22:17.911		261.2		7.56		TAS		21.8	1.22	m_e mb	5.0
BFO	46.11		L	23:37:09.786						T__		240.5	22.00	a_e Ms	4.1
BRG	50.05		P	23:22:47.474		261.2		7.56		TAS		31.0	2.08	m_e mb	4.9
BSEG	48.31		P	23:22:35.502		261.2		7.56		TAS		107.9	2.11	m_e mb	5.6
BSEG	48.31		L	23:39:19.753						T__		201.3	19.80	a_e Ms	4.1
CLL	49.50		P	23:22:44.147		261.2		7.56		TAS		42.2	2.15	m_e mb	5.0
CLL	49.50		L	23:39:44.146						T__		395.8	21.80	a_e Ms	4.4
FLT1	48.56		P	23:22:37.051		261.2		7.56		TAS		31.5	1.72	m_e mb	5.1
FUR	48.05		L	23:38:05.772						T__		173.2	19.30	a_e Ms	4.0
GEC2	49.71		P	23:22:45.115		261.2		7.56		TAS		18.6	1.39	m_e mb	4.8
GRA1	48.18		P	23:22:34.123		261.2		7.56		TAS		4.9	0.84	m_e mb	4.7
GRA1	48.18		L	23:38:49.875						T__		252.0	20.90	a_e Ms	4.2
KAST	46.64		P	23:22:22.300		261.2		7.56		TAS		8.0	1.30	m_e mb	4.7
MANZ	48.78		P	23:22:38.954		261.2		7.56		TAS		5.8	1.84	m_e mb	4.3

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MOX	48.55	P	23:22:37.017	261.2	7.56	TAS	17.3	1.68	m_e	mb	4.8
MOX	48.55	L	23:39:15.889			T__	367.8	21.10	a_e	Ms	4.3
STU	46.74	P	23:22:22.148	261.2	7.56	TAS	25.0	1.00	m_e	mb	5.3
TANN	49.06	P	23:22:40.083	261.2	7.56	TAS	25.2	1.93	m_e	mb	4.9
TNS	46.48	P	23:22:21.567	261.2	7.56	TAS	39.9	1.71	m_e	mb	5.2
TNS	46.48	L	23:38:02.330			T__	363.3	21.80	a_e	Ms	4.3
UBR	47.21	P	23:22:25.915	261.2	7.56	TAS	21.8	1.46	m_e	mb	5.1
WET	49.20	P	23:22:41.696	261.2	7.56	TAS	20.8	1.63	m_e	mb	4.9
WET	49.20	L	23:40:34.049			T__	154.5	20.90	a_e	Ms	4.0

Event 80727001 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/27	04:54:15.36			47.6980	144.9050				33.0			16		71.69	77.19	m i ke	BGR
80727007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80727007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.19		P	05:06:03.513	-0.4	30.3		5.79		TAS		8.0	0.88	m_e	mb	4.9
BRG	73.15		P	05:05:41.211	-0.1	30.3		5.79		TAS		4.7	0.94	m_e	mb	4.6
BSEG	71.69		P	05:05:32.070	0.7	30.3		5.79		TAS		10.0	0.79	m_e	mb	5.0
CLL	73.09		P	05:05:40.611	0.2	30.3		5.79		TAS		16.9	0.80	m_e	mb	5.2
CLZ	73.48		P	05:05:42.869	-0.5	30.3		5.79		TAS		11.7	0.73	m_e	mb	5.1
FLT1	72.79		P	05:05:38.511	0.5	30.3		5.79		TAS		12.9	0.71	m_e	mb	5.2
GEC2	74.95		P	05:05:51.193		30.3		5.79		TAS		9.4	1.11	m_e	mb	4.7
GRA1	75.07		P	05:05:52.367		30.3		5.79		TAS		18.2	0.73	m_e	mb	5.2
GTTG	73.86		P	05:05:45.025	-0.5	30.3		5.79		TAS		9.5	0.76	m_e	mb	4.9
IBBN	73.86		P	05:05:44.914		30.3		5.79		TAS		14.8	0.74	m_e	mb	5.1
KAST	74.64		P	05:05:49.594	0.2	30.3		5.79		TAS		4.9	0.77	m_e	mb	4.6
MANZ	74.52		P	05:05:48.743	0.2	30.3		5.79		TAS		0.9	0.85	m_e	mb	3.8
MOX	74.12		P	05:05:46.256	-0.1	30.3		5.79		TAS		4.9	0.70	m_e	mb	4.6
NEUB	73.59		P	05:05:43.565	-0.4	30.3		5.79		TAS		15.2	0.76	m_e	mb	5.1
NRDL	73.00		P	05:05:39.719	-0.4	30.3		5.79		TAS		8.1	0.82	m_e	mb	4.9
RJOB	76.22		P	05:05:58.407		30.3		5.79		TAS		9.9	0.79	m_e	mb	5.0
ROTZ	74.68		P	05:05:49.809	0.3	30.3		5.79		TAS		1.8	1.06	m_e	mb	4.0
TANN	74.04		P	05:05:46.043	0.2	30.3		5.79		TAS		2.2	0.87	m_e	mb	4.2
TNS	75.49		P	05:05:54.331	-0.4	30.3		5.79		TAS		9.2	1.03	m_e	mb	4.8
UBBA	74.48		P	05:05:48.459	-0.2	30.3		5.79		TAS		4.0	0.63	m_e	mb	4.6
UBR	77.18		P	05:06:03.551	0.7	30.3		5.79		TAS		3.7	0.64	m_e	mb	4.7
WET	74.98		P	05:05:51.870		30.3		5.79		TAS		10.3	0.85	m_e	mb	4.9
WLF	76.68		P	05:06:01.875	-0.4	30.3		5.79		TAS		16.2	0.97	m_e	mb	5.1

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
80727003 Bering Sea	2018/07/27	18:23:23.24			61.3200	-174.0330				33.0					69.26	69.26	m i ke	BGR
	80727009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80727009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	69.26		P	18:34:25.256		3.9		5.52		TAS		6.8	1.04	m_e	mb 4.8

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
80728001 Fiji Islands region	2018/07/28	08:00:38.69			-16.0210	-178.6110				571.0				21	141.53	147.62	m i ke	BGR
	80728007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.28		PKPbc	08:19:17.457	-0.2	16.8		2.96		TAS				m_e	
BRG	143.80		PKPbc	08:19:07.971	-0.3	16.8		2.96		TAS				m_e	
BSEG	141.53		PKPbc	08:19:00.794	-0.4	16.8		2.96		TAS				m_e	
BUG	144.35		PKPbc	08:19:09.674		16.8		2.96		TAS				m_e	
CLL	143.59		PKPbc	08:19:07.008	-0.1	16.8		2.96		TAS				m_e	
CLZ	143.55		PKPbc	08:19:06.923	0.2	16.8		2.96		TAS				m_e	
FLT1	142.94		PKPbc	08:19:05.083	-0.2	16.8		2.96		TAS				m_e	
FUR	146.93		PKPbc	08:19:16.605	-0.2	16.8		2.96		TAS				m_e	
GEC2	145.75		PKPbc	08:19:13.529		16.8		2.96		TAS				m_e	
GRA1	145.48		PKPbc	08:19:12.522	-0.0	16.8		2.96		TAS				m_e	
GTTG	143.90		PKPbc	08:19:07.761	0.3	16.8		2.96		TAS				m_e	
IBBN	143.45		PKPbc	08:19:06.924	0.3	16.8		2.96		TAS				m_e	
KAST	144.46		PKPbc	08:19:09.809	-0.3	16.8		2.96		TAS				m_e	
MANZ	145.03		PKPbc	08:19:11.200	-0.2	16.8		2.96		TAS				m_e	
MOX	144.49		PKPbc	08:19:09.477	0.2	16.8		2.96		TAS				m_e	
NEUB	143.94		PKPbc	08:19:07.840	0.1	16.8		2.96		TAS				m_e	
NRDL	142.96		PKPbc	08:19:05.205	0.1	16.8		2.96		TAS				m_e	
RJOB	147.00		PKPbc	08:19:16.893	-0.2	16.8		2.96		TAS				m_e	
ROTZ	145.21		PKPbc	08:19:11.778	-0.0	16.8		2.96		TAS				m_e	
RUE	142.33		PKPbc	08:19:03.420	-0.0	16.8		2.96		TAS				m_e	
STU	146.72		PKPbc	08:19:15.794	-0.2	16.8		2.96		TAS				m_e	
TANN	144.55		PKPbc	08:19:09.710	-0.3	16.8		2.96		TAS				m_e	
TNS	145.41		PKPbc	08:19:12.391	0.5	16.8		2.96		TAS				m_e	
UBBA	144.60		PKPbc	08:19:09.896	0.6	16.8		2.96		TAS				m_e	

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UBR	147.62	PKPbc	08:19:18.384	-0.2	16.8	2.96	TAS	m_e
WET	145.66	PKPbc	08:19:12.972	-0.1	16.8	2.96	TAS	m_e
WLF	146.22	PKPbc	08:19:15.323	-0.2	16.8	2.96	TAS	m_e

Event 80728002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/28	09:29:14.50			-29.9560	-177.4700				35.0			25		155.38	161.12	m i ke	EMSC
80728038																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5	BGR		80728008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	159.16		PKPab	09:48:50.941	-0.4	17.3		4.31		TAS				m_e	
BFO	161.12		PKPab	09:48:59.477	0.4	17.3		4.31		TAS				m_e	
BRG	157.42		PKPab	09:48:43.516	-0.5	17.3		4.31		TAS				m_e	
BSEG	155.38		PKPab	09:48:34.951	0.6	17.3		4.31		TAS				m_e	
BUG	158.25		PKPab	09:48:46.872	-0.4	17.3		4.31		TAS				m_e	
CLL	157.28		PKPab	09:48:42.909	0.1	17.3		4.31		TAS				m_e	
CLZ	157.37		PKPab	09:48:43.130	0.1	17.3		4.31		TAS				m_e	
FLT1	156.74		PKPab	09:48:40.614	0.3	17.3		4.31		TAS				m_e	
FUR	160.62		PKPab	09:48:57.601	0.8	17.3		4.31		TAS				m_e	
GEC2	159.30		PKPab	09:48:51.786	-0.4	17.3		4.31		TAS				m_e	
GRA1	159.22		PKPab	09:48:51.133	-0.1	17.3		4.31		TAS				m_e	
GRA1	159.22		L	11:00:07.239						T__		752.9	21.90	a_e Ms	5.5
GTTG	157.73		PKPab	09:48:44.771	0.2	17.3		4.31		TAS				m_e	
IBBN	157.34		PKPab	09:48:43.144	0.2	17.3		4.31		TAS				m_e	
KAST	158.32		PKPab	09:48:46.718	-0.4	17.3		4.31		TAS				m_e	
MANZ	158.72		PKPab	09:48:49.159	-0.1	17.3		4.31		TAS				m_e	
MOX	158.24		PKPab	09:48:46.863	-0.1	17.3		4.31		TAS				m_e	
MOX	158.24		L	11:03:07.441						T__		777.7	22.00	a_e Ms	5.5
NEUB	157.69		PKPab	09:48:44.052	-0.5	17.3		4.31		TAS				m_e	
NRDL	156.80		PKPab	09:48:40.900	0.4	17.3		4.31		TAS				m_e	
RJOB	160.56		PKPab	09:48:58.010	0.2	17.3		4.31		TAS				m_e	
ROTZ	158.90		PKPab	09:48:49.918	-0.1	17.3		4.31		TAS				m_e	
STU	160.53		PKPab	09:48:56.710	0.3	17.3		4.31		TAS				m_e	
TANN	158.24		PKPab	09:48:47.304	0.1	17.3		4.31		TAS				m_e	
TNS	159.27		PKPab	09:48:51.298	-0.3	17.3		4.31		TAS				m_e	
UBBA	158.42		PKPab	09:48:47.336	-0.8	17.3		4.31		TAS				m_e	
WET	159.28		PKPab	09:48:52.094	0.1	17.3		4.31		TAS				m_e	

Event 80728003 Tasmania, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/28	17:05:08.87			-43.7740	144.6440				33.0				27	146.22	151.22	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.69		PKPdf	17:24:53.264	0.1	115.1		0.88		TAS				m_e	
BFO	149.66		PKPdf	17:24:52.274	-0.2	115.1		0.88		TAS				m_e	
BRG	146.37		PKPdf	17:24:44.130	0.0	115.1		0.88		TAS				m_e	
BSEG	148.79		PKPdf	17:24:47.517	-0.3	115.1		0.88		TAS				m_e	
BUG	150.61		PKPdf	17:24:52.642	0.1	115.1		0.88		TAS				m_e	
CLL	147.01		PKPdf	17:24:45.271	0.1	115.1		0.88		TAS				m_e	
CLZ	148.69		PKPdf	17:24:48.506	0.1	115.1		0.88		TAS				m_e	
FLT1	148.19		PKPdf	17:24:47.355	0.2	115.1		0.88		TAS				m_e	
FUR	147.68		PKPdf	17:24:48.766	0.3	115.1		0.88		TAS				m_e	
GEC2	146.22		PKPdf	17:24:44.871	-0.1	115.1		0.88		TAS				m_e	
GRA1	147.95		PKPdf	17:24:48.740	0.0	115.1		0.88		TAS				m_e	
GTTG	148.93		PKPdf	17:24:49.029	-0.0	115.1		0.88		TAS				m_e	
IBBN	150.32		PKPdf	17:24:51.731	0.1	115.1		0.88		TAS				m_e	
KAST	149.88		PKPdf	17:24:51.332	0.1	115.1		0.88		TAS				m_e	
MANZ	147.42		PKPdf	17:24:46.869	0.1	115.1		0.88		TAS				m_e	
MOX	147.81		PKPdf	17:24:47.289	0.1	115.1		0.88		TAS				m_e	
NEUB	147.77		PKPdf	17:24:46.724	-0.1	115.1		0.88		TAS				m_e	
NRDL	148.89		PKPdf	17:24:48.472	-0.1	115.1		0.88		TAS				m_e	
RJOB	146.60		PKPdf	17:24:46.510	0.0	115.1		0.88		TAS				m_e	
ROTZ	147.33		PKPdf	17:24:46.585	-0.1	115.1		0.88		TAS				m_e	
STU	149.15		PKPdf	17:24:51.065	-0.1	115.1		0.88		TAS				m_e	
TANN	147.25		PKPdf	17:24:46.205	0.0	115.1		0.88		TAS				m_e	
TNS	149.79		PKPdf	17:24:51.610	0.1	115.1		0.88		TAS				m_e	
UBBA	148.85		PKPdf	17:24:49.158	-0.1	115.1		0.88		TAS				m_e	
UBR	148.37		PKPdf	17:24:50.146	-0.1	115.1		0.88		TAS				m_e	
WET	146.80		PKPdf	17:24:45.998	0.0	115.1		0.88		TAS				m_e	
WLF	151.22		PKPdf	17:24:54.742	-0.1	115.1		0.88		TAS				m_e	

Event 80728004 Ninigo Islands, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/28	18:15:33.37			-2.5940	143.5260				33.0				11	115.98	120.78	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	119.78		PKPdf	18:34:20.406		56.8		1.96		TAS				m_e	

BFO	120.43	PKPdf	18:34:21.612		56.8	1.96	TAS	m_e
BRG	115.98	PKPdf	18:34:12.808	-0.0	56.8	1.96	TAS	m_e
BSEG	116.15	PKPdf	18:34:13.274	-0.1	56.8	1.96	TAS	m_e
BUG	119.13	PKPdf	18:34:18.961	0.4	56.8	1.96	TAS	m_e
CLL	116.26	PKPdf	18:34:13.171	0.4	56.8	1.96	TAS	m_e
CLZ	117.33	PKPdf	18:34:14.952	-0.1	56.8	1.96	TAS	m_e
FLT1	116.62	PKPdf	18:34:13.872	0.3	56.8	1.96	TAS	m_e
GEC2	117.16	PKPdf	18:34:14.736		56.8	1.96	TAS	m_e
GRA1	118.09	PKPdf	18:34:16.930		56.8	1.96	TAS	m_e
GTTG	117.71	PKPdf	18:34:15.824	0.4	56.8	1.96	TAS	m_e
IBBN	118.36	PKPdf	18:34:17.066	-0.1	56.8	1.96	TAS	m_e
KAST	118.70	PKPdf	18:34:18.125		56.8	1.96	TAS	m_e
MANZ	117.45	PKPdf	18:34:15.546		56.8	1.96	TAS	m_e
MOX	117.36	PKPdf	18:34:15.468		56.8	1.96	TAS	m_e
NEUB	116.97	PKPdf	18:34:14.819		56.8	1.96	TAS	m_e
NRDL	117.09	PKPdf	18:34:14.969	-0.1	56.8	1.96	TAS	m_e
RJOB	118.24	PKPdf	18:34:17.396		56.8	1.96	TAS	m_e
STU	119.71	PKPdf	18:34:20.244		56.8	1.96	TAS	m_e
TANN	117.03	PKPdf	18:34:14.925		56.8	1.96	TAS	m_e
TNS	119.26	PKPdf	18:34:19.405		56.8	1.96	TAS	m_e
UBR	119.81	PKPdf	18:34:20.387		56.8	1.96	TAS	m_e
WET	117.47	PKPdf	18:34:15.675		56.8	1.96	TAS	m_e
WLF	120.78	PKPdf	18:34:22.407		56.8	1.96	TAS	m_e

Event 80729001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/29	08:12:44.80			46.8280	150.7130				14.4	1.3		18		74.13	79.79	m i ke	BGR
80729007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80729007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.06		P	08:24:38.748	0.1	27.1		5.60		TAS		16.4	0.95	m_e mb	5.1
AHRW	78.06		pP	08:24:42.688						T__				m_e	
BFO	79.72		P	08:24:47.616		27.1		5.60		TAS		9.4	0.89	m_e mb	4.7
BFO	79.72		pP	08:24:52.125						T__				m_e	
BRG	75.79		P	08:24:25.830	0.1	27.1		5.60		TAS		5.7	0.80	m_e mb	4.8
BSEG	74.13		P	08:24:16.522	0.1	27.1		5.60		TAS		10.0	0.83	m_e mb	4.9
BUG	77.19		P	08:24:33.769		27.1		5.60		TAS		11.9	0.82	m_e mb	5.1
CLL	75.69		P	08:24:25.192	-0.2	27.1		5.60		TAS		20.1	0.78	m_e mb	5.3
CLZ	75.98		P	08:24:26.997	-0.4	27.1		5.60		TAS		13.3	0.79	m_e mb	5.1
FLT1	75.30		P	08:24:22.875	0.4	27.1		5.60		TAS		14.6	0.76	m_e mb	5.1
GEC2	77.64		P	08:24:36.723		27.1		5.60		TAS		5.1	0.78	m_e mb	4.7
GRA1	77.66		P	08:24:36.491		27.1		5.60		TAS		22.1	0.77	m_e mb	5.4

GTTG	76.36	P	08:24:29.067	-0.2	27.1	5.60	TAS	10.6	0.90	m_e	mb	5.0
IBBN	76.27	P	08:24:28.800	-0.4	27.1	5.60	TAS	21.6	0.74	m_e	mb	5.4
KAST	77.10	P	08:24:33.154		27.1	5.60	TAS	12.1	0.83	m_e	mb	5.1
MANZ	77.13	P	08:24:33.768	0.2	27.1	5.60	TAS	1.8	0.85	m_e	mb	4.2
MOX	76.69	P	08:24:30.929	0.5	27.1	5.60	TAS	7.3	0.82	m_e	mb	4.8
MOX	76.69	pP	08:24:34.928				T__				m_e	
NEUB	76.16	P	08:24:27.974	0.2	27.1	5.60	TAS	18.5	1.00	m_e	mb	5.2
NRDL	75.47	P	08:24:24.135	-0.5	27.1	5.60	TAS	9.2	0.83	m_e	mb	4.8
RJOB	78.91	P	08:24:43.477		27.1	5.60	TAS	6.9	0.85	m_e	mb	4.7
RJOB	78.91	pP	08:24:47.533				T__				m_e	
ROTZ	77.29	P	08:24:34.667		27.1	5.60	TAS	2.1	0.80	m_e	mb	4.3
RUE	74.44	P	08:24:18.463	-0.5	27.1	5.60	TAS	15.6	0.76	m_e	mb	5.1
TANN	76.64	P	08:24:30.814	-0.3	27.1	5.60	TAS	4.4	0.76	m_e	mb	4.7
TNS	77.97	P	08:24:38.142	-0.3	27.1	5.60	TAS	12.2	0.81	m_e	mb	5.1
UBBA	77.00	P	08:24:32.725	0.2	27.1	5.60	TAS	4.5	0.73	m_e	mb	4.7
UBR	79.79	P	08:24:48.088		27.1	5.60	TAS	3.1	0.92	m_e	mb	4.2
WET	77.64	P	08:24:36.400		27.1	5.60	TAS	12.9	0.87	m_e	mb	5.1

Event 80729002 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/29	08:55:29.80			-17.0590	179.4010				33.0					146.07	146.07	m i ke	BGR
80729008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.07		PKPbc	09:15:05.655		20.5		3.73		TAS					m_e

Event 80729003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/29	13:01:03.55			46.5040	150.6240				15.9	1.8		20		74.40	79.99	m i ke	BGR
80729009																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 80729009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	78.33		P	13:12:59.006		27.3		5.58		TAS		33.4	0.99	m_e	mb	5.4
BFO	79.99		P	13:13:08.033		27.3		5.58		TAS		20.7	0.94	m_e	mb	5.0
BRG	76.05		P	13:12:45.931	0.1	27.3		5.58		TAS		12.3	0.93	m_e	mb	5.0
BSEG	74.40		P	13:12:36.795	0.1	27.3		5.58		TAS		16.1	0.89	m_e	mb	5.1

BUG	77.46	P	13:12:54.005		27.3	5.58	TAS	30.3	0.94	m_e	mb	5.4
CLL	75.96	P	13:12:45.218	-0.4	27.3	5.58	TAS	37.7	0.89	m_e	mb	5.5
CLZ	76.25	P	13:12:46.902	0.3	27.3	5.58	TAS	30.8	0.93	m_e	mb	5.4
CLZ	76.25	pP	13:12:51.995	0.1			T__			m_e		
FLT1	75.57	P	13:12:43.283	0.3	27.3	5.58	TAS	22.9	0.86	m_e	mb	5.3
GEC2	77.90	P	13:12:56.546		27.3	5.58	TAS	13.9	0.89	m_e	mb	5.1
GRA1	77.92	P	13:12:56.728	0.3	27.3	5.58	TAS	37.9	0.83	m_e	mb	5.6
GTTG	76.63	P	13:12:49.126	-0.6	27.3	5.58	TAS	24.2	0.95	m_e	mb	5.3
IBBN	76.55	P	13:12:49.029	0.3	27.3	5.58	TAS	28.7	0.83	m_e	mb	5.4
KAST	77.37	P	13:12:53.480		27.3	5.58	TAS	25.1	0.92	m_e	mb	5.3
MANZ	77.39	P	13:12:53.876	-0.1	27.3	5.58	TAS	4.1	0.92	m_e	mb	4.5
MANZ	77.39	pP	13:12:58.393	0.1			T__			m_e		
MOX	76.96	P	13:12:51.329	0.2	27.3	5.58	TAS	17.1	0.93	m_e	mb	5.2
NEUB	76.43	P	13:12:48.223	-0.0	27.3	5.58	TAS	39.1	0.99	m_e	mb	5.5
NRDL	75.75	P	13:12:44.263	0.2	27.3	5.58	TAS	16.7	0.92	m_e	mb	5.2
RJOB	79.17	P	13:13:03.609		27.3	5.58	TAS	13.0	0.87	m_e	mb	5.0
RJOB	79.17	pP	13:13:07.989	0.1			T__			m_e		
ROTZ	77.56	P	13:12:54.894	-0.2	27.3	5.58	TAS	4.2	0.87	m_e	mb	4.6
ROTZ	77.56	pP	13:12:59.158	0.1			T__			m_e		
RUE	74.70	P	13:12:38.782	0.3	27.3	5.58	TAS	32.3	0.84	m_e	mb	5.4
STU	79.34	P	13:13:04.519		27.3	5.58	TAS	48.8	0.92	m_e	mb	5.5
TANN	76.91	P	13:12:51.177	0.2	27.3	5.58	TAS	7.3	0.88	m_e	mb	4.8
TNS	78.25	P	13:12:58.690	0.1	27.3	5.58	TAS	23.3	0.89	m_e	mb	5.3
UBBA	77.27	P	13:12:52.653	0.1	27.3	5.58	TAS	5.3	0.84	m_e	mb	4.7
WET	77.90	P	13:12:56.880		27.3	5.58	TAS	30.0	0.95	m_e	mb	5.4

Event 80730001 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/30	06:06:37.69			-23.8260	-172.8970				10.0			18		149.84	154.20	m i ke	BGR
80730007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	152.48		PKPbc	06:26:34.167	-0.0	8.6		2.20		TAS				m_e	
BSEG	149.84		PKPbc	06:26:28.447	0.1	8.6		2.20		TAS				m_e	
BUG	152.43		PKPbc	06:26:33.961	-0.3	8.6		2.20		TAS				m_e	
CLL	152.19		PKPbc	06:26:33.392	-0.1	8.6		2.20		TAS				m_e	
CLZ	151.92		PKPbc	06:26:32.923	0.0	8.6		2.20		TAS				m_e	
FLT1	151.37		PKPbc	06:26:31.824	0.2	8.6		2.20		TAS				m_e	
GTTG	152.24		PKPbc	06:26:33.690	0.1	8.6		2.20		TAS				m_e	
IBBN	151.56		PKPbc	06:26:32.518	0.2	8.6		2.20		TAS				m_e	
KAST	152.65		PKPbc	06:26:34.305	-0.3	8.6		2.20		TAS				m_e	
MANZ	153.60		PKPbc	06:26:36.761	0.2	8.6		2.20		TAS				m_e	
MOX	153.00		PKPbc	06:26:35.546	0.3	8.6		2.20		TAS				m_e	

NEUB	152.44	PKPbc	06:26:33.847	-0.2	8.6	2.20	TAS	m_e
NRDL	151.28	PKPbc	06:26:31.306	-0.2	8.6	2.20	TAS	m_e
ROTZ	153.80	PKPbc	06:26:36.932	-0.1	8.6	2.20	TAS	m_e
RUE	150.94	PKPbc	06:26:30.858	0.1	8.6	2.20	TAS	m_e
TANN	153.13	PKPbc	06:26:35.339	-0.2	8.6	2.20	TAS	m_e
TNS	153.63	PKPbc	06:26:37.062	0.3	8.6	2.20	TAS	m_e
WLF	154.20	PKPbc	06:26:38.381	0.1	8.6	2.20	TAS	m_e

Event 80730002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/30	20:44:25.95			47.5400	150.2200				16.9	1.9		24		73.34	79.00	m i ke	BGR
OrigID 80730008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80730008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.27		P	20:56:17.334		27.2		5.61		TAS		14.0	0.94	m_e mb	5.1
BFO	78.93		P	20:56:26.407		27.2		5.61		TAS		8.9	0.87	m_e mb	4.8
BRG	75.00		P	20:56:04.020	0.3	27.2		5.61		TAS		5.9	0.86	m_e mb	4.6
BSEG	73.34		P	20:55:54.808	0.5	27.2		5.61		TAS		8.3	0.84	m_e mb	4.9
BUG	76.40		P	20:56:11.874		27.2		5.61		TAS		9.7	0.81	m_e mb	5.0
CLL	74.91		P	20:56:03.354	-0.4	27.2		5.61		TAS		24.3	0.80	m_e mb	5.3
CLZ	75.20		P	20:56:04.768	0.1	27.2		5.61		TAS		16.0	0.87	m_e mb	5.1
CLZ	75.20		pP	20:56:10.165						T__				m_e	
FLT1	74.52		P	20:56:00.955	-0.8	27.2		5.61		TAS		14.4	0.83	m_e mb	5.0
GEC2	76.86		P	20:56:14.682		27.2		5.61		TAS		3.9	0.85	m_e mb	4.6
GEC2	76.86		pP	20:56:19.186						T__				m_e	
GRA1	76.87		P	20:56:14.815		27.2		5.61		TAS		22.8	0.82	m_e mb	5.3
IBBN	75.49		P	20:56:06.599	0.0	27.2		5.61		TAS		12.2	0.83	m_e mb	5.0
KAST	76.31		P	20:56:11.184		27.2		5.61		TAS		8.4	0.85	m_e mb	4.9
MANZ	76.34		P	20:56:11.751		27.2		5.61		TAS		1.8	0.84	m_e mb	4.2
MOX	75.90		P	20:56:09.220		27.2		5.61		TAS		9.6	0.85	m_e mb	5.0
NEUB	75.37		P	20:56:06.035		27.2		5.61		TAS		19.8	1.00	m_e mb	5.1
NRDL	74.69		P	20:56:02.305	0.2	27.2		5.61		TAS		6.1	0.83	m_e mb	4.7
RJOB	78.12		P	20:56:21.587		27.2		5.61		TAS		6.0	0.83	m_e mb	4.8
RJOB	78.12		pP	20:56:26.251						T__				m_e	
ROTZ	76.51		P	20:56:12.609		27.2		5.61		TAS		2.3	0.86	m_e mb	4.3
STU	78.29		P	20:56:22.639		27.2		5.61		TAS		27.2	0.75	m_e mb	5.5
TANN	75.86		P	20:56:09.218	0.7	27.2		5.61		TAS		3.1	0.83	m_e mb	4.5
TNS	77.19		P	20:56:16.519		27.2		5.61		TAS		9.6	0.80	m_e mb	5.0
UBBA	76.22		P	20:56:10.837		27.2		5.61		TAS		3.5	0.94	m_e mb	4.5
UBR	79.00		P	20:56:26.379		27.2		5.61		TAS		4.7	0.94	m_e mb	4.5
WET	76.85		P	20:56:14.703		27.2		5.61		TAS		9.8	0.85	m_e mb	5.0

Event 80731002 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/07/31	08:42:24.30			38.0600	142.4100				19.8	1.0		25		79.38	84.79	m i ke	BGR
OrigID 80731008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80731008
Ms	5.1		BGR	80731008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.43		P	08:54:48.554	0.4	36.8		5.22		TAS		13.3	0.98	m_e	mb 5.1
BFO	84.79		P	08:54:55.560		36.8		5.22		TAS		25.5	0.87	m_e	mb 5.5
BFO	84.79		pP	08:55:01.588						T__				m_e	
BRG	80.57		P	08:54:33.459	0.0	36.8		5.22		TAS		12.9	0.85	m_e	mb 5.0
BRG	80.57		pP	08:54:39.147						T__				m_e	
BSEG	79.50		P	08:54:27.965	0.4	36.8		5.22		TAS		18.2	0.91	m_e	mb 5.0
BSEG	79.50		pP	08:54:33.469						T__				m_e	
CLL	80.60		P	08:54:33.631	0.1	36.8		5.22		TAS		26.7	0.88	m_e	mb 5.3
CLZ	81.17		P	08:54:36.950		36.8		5.22		TAS		19.7	0.94	m_e	mb 5.1
FLT1	80.46		P	08:54:32.771	-0.3	36.8		5.22		TAS		20.3	0.83	m_e	mb 5.1
FUR	83.78		P	08:54:50.402		36.8		5.22		TAS		34.7	0.76	m_e	mb 5.7
GEC2	82.25		P	08:54:42.574		36.8		5.22		TAS		10.1	0.89	m_e	mb 5.0
GRA1	82.57		L	09:38:35.136						T__		594.2	19.00	a_e	Ms 5.0
GTTG	81.56		P	08:54:38.644		36.8		5.22		TAS		16.5	0.88	m_e	mb 5.2
IBBN	81.73		P	08:54:39.730		36.8		5.22		TAS		28.4	0.82	m_e	mb 5.4
KAST	82.40		P	08:54:43.046		36.8		5.22		TAS		11.2	1.02	m_e	mb 4.9
KAST	82.40		pP	08:54:48.894						T__				m_e	
MANZ	81.99		P	08:54:41.284		36.8		5.22		TAS		2.4	0.86	m_e	mb 4.3
MOX	81.66		P	08:54:39.187	0.4	36.8		5.22		TAS		8.7	0.89	m_e	mb 4.9
MOX	81.66		L	09:38:23.331						T__		1075.8	18.10	a_e	Ms 5.2
NEUB	81.16		P	08:54:36.421		36.8		5.22		TAS		24.9	0.86	m_e	mb 5.3
NRDL	80.74		P	08:54:34.616	0.1	36.8		5.22		TAS		10.3	0.90	m_e	mb 4.9
RJOB	83.50		P	08:54:48.897		36.8		5.22		TAS		18.3	0.79	m_e	mb 5.4
ROTZ	82.13		P	08:54:41.972		36.8		5.22		TAS		2.8	0.93	m_e	mb 4.4
RUE	79.38		P	08:54:27.613		36.8		5.22		TAS				m_e	
RUE	79.38		pP	08:54:33.203						T__				m_e	
STU	84.10		P	08:54:52.153		36.8		5.22		TAS		59.6	0.92	m_e	mb 5.8
TANN	81.52		P	08:54:38.200		36.8		5.22		TAS		4.4	0.89	m_e	mb 4.6
TNS	83.19		P	08:54:47.541		36.8		5.22		TAS		5.2	0.89	m_e	mb 4.8
UBBA	82.13		P	08:54:41.480	0.4	36.8		5.22		TAS				m_e	
UBR	84.63		P	08:54:54.706		36.8		5.22		TAS				m_e	
WET	82.35		P	08:54:43.176		36.8		5.22		TAS		12.2	0.97	m_e	mb 5.0

