

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

(produced by SZO/BGR - HANNOVER)

June 2017

UPDATED 20.August 2019

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

Event 70601001 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/01	05:50:43.10			-30.5500	-179.0800				205.0			30		155.66	161.49	m i ke	EMSC
	70601033																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	161.36		PKPab	06:11:03.507		26.0		4.38		TAS					m_e
BRG	157.49		PKPab	06:10:47.074	0.3	26.0		4.38		TAS					m_e
BSEG	155.66		PKPab	06:10:38.792	-0.2	26.0		4.38		TAS					m_e
CLL	157.40		PKPab	06:10:46.271	-0.0	26.0		4.38		TAS					m_e
CLZ	157.61		PKPab	06:10:47.440	-0.0	26.0		4.38		TAS					m_e
FBE	157.63		PKPab	06:10:47.888	0.1	26.0		4.38		TAS					m_e
FLT1	156.95		PKPab	06:10:44.002	-0.3	26.0		4.38		TAS					m_e
FUR	160.71		PKPab	06:11:01.535		26.0		4.38		TAS					m_e
GEC2	159.30		PKPab	06:10:54.834		26.0		4.38		TAS					m_e
GOR1	156.33		PKPab	06:10:41.892	-0.3	26.0		4.38		TAS					m_e
GRA1	159.36		PKPab	06:10:55.620	0.1	26.0		4.38		TAS					m_e
GTTG	157.98		PKPab	06:10:48.986	0.1	26.0		4.38		TAS					m_e
GUNZ	158.44		PKPab	06:10:51.405	-0.0	26.0		4.38		TAS					m_e
IBBN	157.69		PKPab	06:10:47.513	0.2	26.0		4.38		TAS					m_e
KAST	158.63		PKPab	06:10:51.368	0.0	26.0		4.38		TAS					m_e
MANZ	158.84		PKPab	06:10:52.932	-0.1	26.0		4.38		TAS					m_e
MOX	158.39		PKPab	06:10:50.726	0.3	26.0		4.38		TAS					m_e
NEUB	157.85		PKPab	06:10:48.316	0.1	26.0		4.38		TAS					m_e
NRDL	157.06		PKPab	06:10:44.505	-0.3	26.0		4.38		TAS					m_e
PLN	158.38		PKPab	06:10:50.830	0.1	26.0		4.38		TAS					m_e
RETH	156.98		PKPab	06:10:44.307	-0.2	26.0		4.38		TAS					m_e
RJOB	160.56		PKPab	06:11:00.887		26.0		4.38		TAS					m_e

ROTZ	159.00	PKPab	06:10:53.953	0.3	26.0	4.38	TAS	m_e
STU	160.74	PKPab	06:11:00.929		26.0	4.38	TAS	m_e
TANN	158.35	PKPab	06:10:50.830	0.6	26.0	4.38	TAS	m_e
TNS	159.55	PKPab	06:10:55.640	0.0	26.0	4.38	TAS	m_e
UBR	161.49	PKPab	06:11:04.494		26.0	4.38	TAS	m_e
WERD	158.37	PKPab	06:10:50.872	0.3	26.0	4.38	TAS	m_e
WERN	158.49	PKPab	06:10:51.676	-0.8	26.0	4.38	TAS	m_e
WET	159.33	PKPab	06:10:55.392		26.0	4.38	TAS	m_e

Event 70601008 Macquarie Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/01	20:04:10.10			-54.4100	158.9900				10.0			22		157.89	162.74	m i k e	EMSC
	70601040																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	70601014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	162.51		PKPab	20:24:58.628		115.8		4.39		TAS				m_e	
BFO	160.79		PKPab	20:24:51.383		115.8		4.39		TAS				m_e	
BRG	158.63		PKPab	20:24:42.592	0.1	115.8		4.39		TAS				m_e	
BUG	162.74		PKPab	20:25:00.128		115.8		4.39		TAS				m_e	
CLL	159.35		PKPab	20:24:45.330	0.1	115.8		4.39		TAS				m_e	
CLZ	161.07		PKPab	20:24:52.927		115.8		4.39		TAS				m_e	
FBE	159.00		PKPab	20:24:44.321	0.8	115.8		4.39		TAS				m_e	
FLT1	160.74		PKPab	20:24:50.816	0.1	115.8		4.39		TAS				m_e	
GEC2	157.90		PKPab	20:24:38.327	-0.4	115.8		4.39		TAS				m_e	
GRA1	159.73		PKPab	20:24:46.900	-0.3	115.8		4.39		TAS				m_e	
GRA1	159.73		L	21:46:36.760						T__		172.7	19.30	a_e Ms	4.9
GUNZ	159.37		PKPab	20:24:45.711	0.4	115.8		4.39		TAS				m_e	
KAST	161.99		PKPab	20:24:57.022		115.8		4.39		TAS				m_e	
MANZ	159.34		PKPab	20:24:45.445	-0.3	115.8		4.39		TAS				m_e	
MOX	159.90		PKPab	20:24:48.033	-0.2	115.8		4.39		TAS				m_e	
MOX	159.90		L	21:40:39.539						T__		117.3	19.10	a_e Ms	4.7
NEUB	160.02		PKPab	20:24:48.238	0.4	115.8		4.39		TAS				m_e	
PLN	159.52		PKPab	20:24:46.391	0.3	115.8		4.39		TAS				m_e	
RJOB	157.89		PKPab	20:24:38.073	-0.7	115.8		4.39		TAS				m_e	
TANN	159.32		PKPab	20:24:45.327	0.4	115.8		4.39		TAS				m_e	
TNS	161.58		PKPab	20:24:55.224		115.8		4.39		TAS				m_e	
UBR	159.43		PKPab	20:24:45.980	-0.2	115.8		4.39		TAS				m_e	
WERN	159.31		PKPab	20:24:45.829	0.3	115.8		4.39		TAS				m_e	
WET	158.52		PKPab	20:24:41.080	-0.4	115.8		4.39		TAS				m_e	

## Event 70601010 Northern India

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/01	22:55:42.36			27.3410	78.2600				19.2					55.06	55.06	m i ke	BGR
OrigID 70601016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70601016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	55.06		P	23:05:12.280		96.7		6.55		TAS		5.5	1.10	m_e	mb 4.5
GRA1	55.06		pP	23:05:17.555		96.7		6.55		TAS				m_e	

## Event 70602003 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/02	17:26:38.42			24.6100	125.5500				36.1	4.3		24		83.80	88.25	m i ke	BGR
OrigID 70602009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70602009
Ms	5.0		BGR	70602009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	88.25		pP	17:39:34.781		57.0		5.16		TAS				m_e	
BRG	83.80		P	17:39:02.621	0.1	56.1		4.98		TAS		7.9	0.94	m_e	mb 4.9
BSEG	84.00		P	17:39:03.922	0.1	56.1		4.98		TAS		11.8	1.04	m_e	mb 5.1
CLL	84.07		P	17:39:03.973	-0.1	56.1		4.98		TAS		13.3	1.20	a_e	mb 5.0
CLL	84.07		pP	17:39:13.714	0.4	57.0		5.16		TAS				m_e	
CLZ	85.15		P	17:39:09.968	-0.3	56.1		4.98		TAS		9.8	0.80	m_e	mb 5.1
FBE	84.09		P	17:39:04.686	0.1	56.1		4.98		TAS		16.3	0.92	m_e	mb 5.2
FBE	84.09		pP	17:39:14.642	0.5	57.0		5.16		TAS				m_e	
FLT1	84.43		P	17:39:05.573	-0.1	56.1		4.98		TAS		9.8	0.91	a_e	mb 5.0
FLT1	84.43		pP	17:39:15.500	0.6	57.0		5.16		TAS				m_e	
GEC2	85.00		P	17:39:08.895		56.1		4.98		TAS		9.4	0.86	m_e	mb 5.0
GEC2	85.00		pP	17:39:19.783		57.0		5.16		TAS				m_e	
GOR1	84.03		P	17:39:04.093	-0.4	56.1		4.98		TAS		21.0	0.86	m_e	mb 5.4
GRA1	85.91		P	17:39:13.562		56.1		4.98		TAS		14.2	1.28	m_e	mb 4.9
GRA1	85.91		L	18:23:00.015						T__		774.2	18.00	a_e	Ms 5.1
GTTG	85.53		P	17:39:11.668	-0.1	56.1		4.98		TAS		9.5	0.83	m_e	mb 5.0
GUNZ	84.94		P	17:39:08.623		56.1		4.98		TAS		12.4	0.85	a_e	mb 5.2
IBBN	86.20		P	17:39:14.919	-0.6	56.1		4.98		TAS		27.6	1.61	m_e	mb 5.1
IBBN	86.20		pP	17:39:25.799		57.0		5.16		TAS				m_e	
KAST	86.52		P	17:39:15.754	-0.1	56.1		4.98		TAS		4.4	0.76	m_e	mb 4.7
KAST	86.52		pP	17:39:27.521		57.0		5.16		TAS				m_e	

MANZ	85.27	P	17:39:10.323	56.1	4.98	TAS	2.3	1.04	a_e	mb	4.3
MOX	85.17	P	17:39:09.575	0.1 56.1	4.98	TAS	4.9	0.90	m_e	mb	4.7
MOX	85.17	L	18:18:53.882			T__	491.9	21.80	a_e	Ms	4.9
NEUB	84.78	P	17:39:07.723	0.1 56.1	4.98	TAS	59.1	2.11	a_e	mb	5.4
PLN	84.96	P	17:39:08.623	0.2 56.1	4.98	TAS	108.2	2.91	a_e	mb	5.6
ROTZ	85.33	P	17:39:10.686	56.1	4.98	TAS	2.8	0.93	m_e	mb	4.5
TANN	84.84	P	17:39:08.023	0.0 56.1	4.98	TAS	6.5	1.05	a_e	mb	4.8
TNS	87.08	P	17:39:19.273	56.1	4.98	TAS	4.5	0.90	m_e	mb	4.6
TNS	87.08	pP	17:39:30.440	57.0	5.16	TAS			m_e		
WERD	84.91	P	17:39:08.323	-0.1 56.1	4.98	TAS	7.8	1.00	a_e	mb	4.9
WERD	84.91	pP	17:39:18.138	57.0	5.16	TAS			m_e		
WERN	84.96	P	17:39:08.773	56.1	4.98	TAS	14.1	0.89	m_e	mb	5.2
WET	85.30	P	17:39:10.235	56.1	4.98	TAS	6.0	1.47	m_e	mb	4.6

Event 70602005 Near Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/02	22:24:46.76		53.8600	171.3400				14.0		1.4		30		70.44	77.59	m i ke	BGR
OrigID 70602011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	70602011
MBB	6.6		BGR	70602011
Ms	6.7		BGR	70602011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.17		P	22:36:40.296		12.1		5.85		TAS				m_e	
BFO	77.17		pP	22:36:44.481		12.0		5.88		TAS				m_e	
BRG	73.93		P	22:36:21.646	-0.0	12.1		5.85		TAS		256.0	1.33	a_e	MBB 6.5
BRG	73.93		pP	22:36:25.873	0.1	12.0		5.88		TAS				m_e	
BSEG	71.43		P	22:36:07.296	0.0	12.1		5.85		TAS		253.1	1.21	a_e	MBB 6.8
BSEG	71.43		pP	22:36:11.116	-0.1	12.0		5.88		TAS				m_e	
BUG	74.23		P	22:36:23.396	0.1	12.1		5.85		TAS		176.8	1.23	a_e	MBB 6.5
BUG	74.23		pP	22:36:27.548	0.1	12.0		5.88		TAS				m_e	
CLL	73.64		P	22:36:19.796	0.1	12.1		5.85		TAS		403.6	1.51	a_e	MBB 6.5
CLL	73.64		pP	22:36:23.818	0.2	12.0		5.88		TAS				m_e	
CLZ	73.47		P	22:36:19.696	-0.3	12.1		5.85		TAS		521.0	1.45	a_e	MBB 6.7
CLZ	73.47		pP	22:36:23.289	-0.0	12.0		5.88		TAS				m_e	
FBE	73.97		P	22:36:22.228	0.1	12.1		5.85		TAS		416.0	1.33	m_e	MBB 6.6
FBE	73.97		pP	22:36:26.365	0.2	12.0		5.88		TAS				m_e	
FLT1	72.88		P	22:36:15.246	0.4	12.1		5.85		TAS		256.7	1.46	a_e	MBB 6.6
FLT1	72.88		pP	22:36:19.321	0.0	12.0		5.88		TAS				m_e	
GEC2	75.94		P	22:36:33.746		12.1		5.85		TAS		318.4	1.38	a_e	MBB 6.6
GEC2	75.94		pP	22:36:37.785		12.0		5.88		TAS				m_e	
GRA1	75.47		P	22:36:31.296	-0.6	12.1		5.85		TAS		519.6	1.62	a_e	MBB 6.6
GRA1	75.47		pP	22:36:35.355	-0.5	12.0		5.88		TAS				m_e	

GRA1	75.47	L	23:16:35.691					T__	37022.7	19.80	a_e	Ms	6.7
GUNZ	74.66	P	22:36:26.396	-0.1	12.1	5.85		TAS	301.1	1.31	a_e	MBB	6.5
GUNZ	74.66	pP	22:36:30.439	0.0	12.0	5.88		TAS			m_e		
HLG	71.45	P	22:36:07.646	0.3	12.1	5.85		TAS	17894.5	5.07	a_e	MBB	7.0
HLG	71.45	pP	22:36:11.432	0.2	12.0	5.88		TAS			m_e		
IBBN	73.32	P	22:36:18.596	-0.2	12.1	5.85		TAS	636.5	1.45	a_e	MBB	6.9
IBBN	73.32	pP	22:36:22.374	-0.5	12.0	5.88		TAS			m_e		
KAST	74.34	P	22:36:24.241	0.2	12.1	5.85		TAS	248.9	1.55	m_e	MBB	6.5
KAST	74.34	pP	22:36:28.559	0.2	12.0	5.88		TAS			m_e		
MANZ	75.06	P	22:36:28.546	0.4	12.1	5.85		TAS	56.3	1.53	a_e	MBB	5.9
MANZ	75.06	pP	22:36:32.560	0.4	12.0	5.88		TAS			m_e		
MOX	74.48	P	22:36:25.146	0.2	12.1	5.85		TAS	222.7	1.42	m_e	MBB	6.5
MOX	74.48	pP	22:36:29.289	0.2	12.0	5.88		TAS			m_e		
MOX	74.48	L	23:12:48.152					T__	35630.3	21.90	a_e	Ms	6.6
NEUB	73.93	P	22:36:21.746	-0.0	12.1	5.85		TAS	289.0	1.24	m_e	MBB	6.6
NEUB	73.93	pP	22:36:25.410	0.3	12.0	5.88		TAS			m_e		
NRDL	72.87	P	22:36:15.496	0.3	12.1	5.85		TAS	270.0	1.76	a_e	MBB	6.7
NRDL	72.87	pP	22:36:19.538	0.1	12.0	5.88		TAS			m_e		
PLN	74.56	P	22:36:25.696	0.2	12.1	5.85		TAS	212.3	1.41	a_e	MBB	6.6
PLN	74.56	pP	22:36:29.871	0.1	12.0	5.88		TAS			m_e		
RETH	72.72	P	22:36:14.846	-0.6	12.1	5.85		TAS	237.7	1.34	a_e	MBB	6.7
RETH	72.72	pP	22:36:18.797	-0.5	12.0	5.88		TAS			m_e		
RGN	70.44	P	22:36:01.346	-0.2	12.1	5.85		TAS	1396.4	1.69	a_e	MBB	7.0
RGN	70.44	pP	22:36:05.260	-0.1	12.0	5.88		TAS			m_e		
ROTZ	75.26	P	22:36:29.946	0.3	12.1	5.85		TAS	105.5	1.70	a_e	MBB	5.9
ROTZ	75.26	pP	22:36:33.733	0.3	12.0	5.88		TAS			m_e		
STU	76.64	P	22:36:37.673		12.1	5.85		TAS	3270.1	3.19	m_e	MBB	6.9
STU	76.64	pP	22:36:41.644		12.0	5.88		TAS			m_e		
TANN	74.59	P	22:36:26.046	0.2	12.1	5.85		TAS	265.2	1.40	a_e	MBB	6.6
TANN	74.59	pP	22:36:30.044	-0.0	12.0	5.88		TAS			m_e		
TNS	75.30	P	22:36:29.846	-0.1	12.1	5.85		TAS	446.6	2.08	a_e	MBB	6.5
TNS	75.30	pP	22:36:33.980	-0.2	12.0	5.88		TAS			m_e		
UBR	77.59	P	22:36:43.034		12.1	5.85		TAS	195.6	1.34	m_e	MBB	6.5
UBR	77.59	pP	22:36:47.061		12.0	5.88		TAS			m_e		
WERD	74.58	P	22:36:25.896	0.0	12.1	5.85		TAS	317.9	1.35	a_e	MBB	6.5
WERD	74.58	pP	22:36:29.876	-0.0	12.0	5.88		TAS			m_e		
WERN	74.73	P	22:36:26.796	0.3	12.1	5.85		TAS	415.0	1.50	a_e	MBB	6.5
WERN	74.73	pP	22:36:30.734	0.3	12.0	5.88		TAS			m_e		
WET	75.77	P	22:36:33.046	-0.3	12.1	5.85		TAS	335.2	1.33	a_e	MBB	6.7
WET	75.77	pP	22:36:37.160	-0.4	12.0	5.88		TAS			m_e		
WLF	76.10	P	22:36:34.796		12.1	5.85		TAS	149.0	1.22	a_e	MBB	6.7
WLF	76.10	pP	22:36:38.915		12.0	5.88		TAS			m_e		

Event 70603001 Near north coast of New Guinea, Papua New Guinea

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

2017/06/02 23:48:17.00  
70603096

-4.7400 145.1400

194.0

26

117.89 123.44 m i ke NEIC

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	119.67		PKPdf	00:06:44.058	0.1	56.3		1.93		TAS					a_e	
BFO	123.10		PKPdf	00:06:50.258		56.3		1.93		TAS					a_e	
BFO	123.10		pPKPdf	00:07:41.351		56.4		1.87		TAS					m_e	
BFO	123.10		PP	00:08:35.289		55.9		6.79		TAS					m_e	
BRG	118.65		PKPdf	00:06:42.158	-0.1	56.3		1.93		TAS					a_e	
BRG	118.65		pPKPdf	00:07:33.159	0.1	56.4		1.87		TAS					m_e	
BRG	118.65		PP	00:08:05.126	0.1	55.9		6.79		TAS					m_e	
BSEG	118.79		PKPdf	00:06:42.458	0.2	56.3		1.93		TAS					a_e	
BUG	121.78		PKPdf	00:06:48.008	0.0	56.3		1.93		TAS					a_e	
BUG	121.78		pPKPdf	00:07:38.958		56.4		1.87		TAS					m_e	
BUG	121.78		PP	00:08:26.886		55.9		6.79		TAS					m_e	
CLL	118.92		PKPdf	00:06:42.358	0.2	56.3		1.93		TAS					a_e	
CLL	118.92		PP	00:08:07.209	0.1	55.9		6.79		TAS					m_e	
CLZ	119.99		PKPdf	00:06:44.958	-0.1	56.3		1.93		TAS					a_e	
CLZ	119.99		pPKPdf	00:07:35.985	0.3	56.4		1.87		TAS					m_e	
CLZ	119.99		PP	00:08:13.582	-0.9	55.9		6.79		TAS					m_e	
FBE	118.94		PKPdf	00:06:42.958	-0.4	56.3		1.93		TAS					a_e	
FBE	118.94		pPKPdf	00:07:33.855	0.2	56.4		1.87		TAS					m_e	
FBE	118.94		PP	00:08:07.680	0.2	55.9		6.79		TAS					m_e	
FLT1	119.27		PKPdf	00:06:43.008	-0.2	56.3		1.93		TAS					a_e	
FLT1	119.27		pPKPdf	00:07:33.921	0.1	56.4		1.87		TAS					m_e	
FUR	121.56		PKPdf	00:06:47.708	-0.2	56.3		1.93		TAS					a_e	
FUR	121.56		pPKPdf	00:07:38.743		56.4		1.87		TAS					m_e	
FUR	121.56		PP	00:08:25.251		55.9		6.79		TAS					m_e	
GEC2	119.83		PKPdf	00:06:44.458	0.1	56.3		1.93		TAS					a_e	
GEC2	119.83		pPKPdf	00:07:35.376	-0.1	56.4		1.87		TAS					m_e	
GEC2	119.83		PP	00:08:12.992	0.5	55.9		6.79		TAS					m_e	
GOR1	118.86		PKPdf	00:06:42.758	-0.3	56.3		1.93		TAS					a_e	
GOR1	118.86		PP	00:08:06.659	0.5	55.9		6.79		TAS					m_e	
GRA1	120.75		PKPdf	00:06:46.158	-0.1	56.3		1.93		TAS					a_e	
GRA1	120.75		pPKPdf	00:07:36.996	-0.2	56.4		1.87		TAS					m_e	
GRA1	120.75		PP	00:08:20.143	-0.2	55.9		6.79		TAS					m_e	
GTTG	120.37		PKPdf	00:06:45.608	-0.1	56.3		1.93		TAS					a_e	
GTTG	120.37		pPKPdf	00:07:36.651	-0.2	56.4		1.87		TAS					m_e	
GTTG	120.37		PP	00:08:17.543	-0.4	55.9		6.79		TAS					m_e	
GUNZ	119.79		PKPdf	00:06:44.508	0.2	56.3		1.93		TAS					a_e	
GUNZ	119.79		pPKPdf	00:07:35.502	0.2	56.4		1.87		TAS					m_e	
GUNZ	119.79		PP	00:08:13.095	-0.1	55.9		6.79		TAS					m_e	
HLG	119.78		PKPdf	00:06:44.308	0.2	56.3		1.93		TAS					a_e	
IBBN	121.00		PKPdf	00:06:46.708	0.0	56.3		1.93		TAS					a_e	
IBBN	121.00		pPKPdf	00:07:37.638		56.4		1.87		TAS					m_e	
IBBN	121.00		PP	00:08:21.191	0.6	55.9		6.79		TAS					m_e	
KAST	121.35		PKPdf	00:06:47.408	-0.1	56.3		1.93		TAS					a_e	

KAST	121.35	pPKPdf	00:07:38.553		56.4	1.87	TAS	m_e
KAST	121.35	PP	00:08:22.800		55.9	6.79	TAS	m_e
MANZ	120.11	PKPdf	00:06:45.158	0.2	56.3	1.93	TAS	a_e
MANZ	120.11	pPKPdf	00:07:35.990	-0.1	56.4	1.87	TAS	m_e
MOX	120.02	PKPdf	00:06:44.708	0.2	56.3	1.93	TAS	m_e
MOX	120.02	pPKPdf	00:07:35.622	0.1	56.4	1.87	TAS	m_e
MOX	120.02	PP	00:08:14.581	-0.0	55.9	6.79	TAS	m_e
NEUB	119.63	PKPdf	00:06:43.858	-0.1	56.3	1.93	TAS	a_e
NRDL	119.74	PKPdf	00:06:44.458	0.0	56.3	1.93	TAS	a_e
NRDL	119.74	PP	00:08:12.890	-0.0	55.9	6.79	TAS	m_e
PLN	119.81	PKPdf	00:06:44.408	-0.0	56.3	1.93	TAS	a_e
PLN	119.81	pPKPdf	00:07:35.244	0.2	56.4	1.87	TAS	m_e
PLN	119.81	PP	00:08:13.148	0.6	55.9	6.79	TAS	m_e
RETH	119.96	PKPdf	00:06:44.808	0.2	56.3	1.93	TAS	a_e
RETH	119.96	pPKPdf	00:07:35.705	-0.0	56.4	1.87	TAS	m_e
RETH	119.96	PP	00:08:14.282	-0.2	55.9	6.79	TAS	m_e
ROTZ	120.18	PKPdf	00:06:45.108	0.1	56.3	1.93	TAS	a_e
ROTZ	120.18	pPKPdf	00:07:35.999	0.1	56.4	1.87	TAS	m_e
ROTZ	120.18	PP	00:08:16.159	0.3	55.9	6.79	TAS	m_e
RUE	117.89	PKPdf	00:06:40.658	0.0	56.3	1.93	TAS	a_e
RUE	117.89	pPKPdf	00:07:31.605	-0.0	56.4	1.87	TAS	m_e
STU	122.37	PKPdf	00:06:49.308	-0.2	56.3	1.93	TAS	a_e
STU	122.37	pPKPdf	00:07:40.281		56.4	1.87	TAS	m_e
STU	122.37	PP	00:08:30.902		55.9	6.79	TAS	m_e
TANN	119.69	PKPdf	00:06:44.208	0.2	56.3	1.93	TAS	a_e
TANN	119.69	pPKPdf	00:07:35.108	-0.0	56.4	1.87	TAS	m_e
TANN	119.69	PP	00:08:12.890	-0.6	55.9	6.79	TAS	m_e
TNS	121.92	PKPdf	00:06:48.508	-0.0	56.3	1.93	TAS	a_e
TNS	121.92	pPKPdf	00:07:39.378		56.4	1.87	TAS	m_e
TNS	121.92	PP	00:08:27.288		55.9	6.79	TAS	m_e
UBR	122.48	PKPdf	00:06:49.358	0.7	56.3	1.93	TAS	a_e
UBR	122.48	pPKPdf	00:07:40.150		56.4	1.87	TAS	m_e
UBR	122.48	PP	00:08:31.117		55.9	6.79	TAS	m_e
WERD	119.76	PKPdf	00:06:44.308	-0.2	56.3	1.93	TAS	a_e
WERD	119.76	pPKPdf	00:07:35.251	-0.1	56.4	1.87	TAS	m_e
WERD	119.76	PP	00:08:13.095	-0.8	55.9	6.79	TAS	m_e
WERN	119.81	PKPdf	00:06:44.558	0.0	56.3	1.93	TAS	a_e
WERN	119.81	pPKPdf	00:07:35.459	-0.1	56.4	1.87	TAS	m_e
WERN	119.81	PP	00:08:13.212	0.4	55.9	6.79	TAS	m_e
WET	120.14	PKPdf	00:06:45.208	0.0	56.3	1.93	TAS	a_e
WET	120.14	pPKPdf	00:07:36.177	0.1	56.4	1.87	TAS	m_e
WET	120.14	PP	00:08:15.444	-0.2	55.9	6.79	TAS	m_e
WLF	123.44	PKPdf	00:06:52.058		56.3	1.93	TAS	a_e
WLF	123.44	PP	00:08:38.443		55.9	6.79	TAS	m_e

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/03	10:11:16.09			37.8300	102.7390				27.2					63.20	63.20	m i ke	BGR
OrigID 70603008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70603008
Ms	4.5		BGR	70603008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	63.20		P	10:21:40.818		65.1		5.92		TAS		9.8	0.87	m_e	mb 5.0
GRA1	63.20		pP	10:21:48.399						T__				m_e	
GRA1	63.20		L	10:50:43.970						T__		363.7	20.10	a_e	Ms 4.5

Event 70603003 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/06/03	11:47:27.32			51.8300	156.3100				33.0					33	70.84	76.73	m i ke	BGR
OrigID 70603009																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70603009
MBB	5.5		BGR	70603009
Ms	4.8		BGR	70603009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.44		P	11:58:50.754	0.4	21.7		5.86		TAS		13.6	0.83	m_e	MBB 5.5
BFO	76.53		P	11:59:14.481		21.7		5.86		TAS		75.9	1.87	m_e	mb 5.5
BRG	72.83		P	11:58:53.047	0.2	21.7		5.86		TAS		7.7	0.53	m_e	mb 5.1
BSEG	70.84		P	11:58:41.464	0.3	21.7		5.86		TAS				m_e	
BUG	73.83		P	11:58:58.979	0.1	21.7		5.86		TAS		34.7	0.92	m_e	MBB 5.7
CLL	72.66		P	11:58:51.550	-0.1	21.7		5.86		TAS		32.4	1.03	m_e	mb 5.4
CLZ	72.78		P	11:58:53.214	-0.1	21.7		5.86		TAS		23.4	0.90	m_e	MBB 5.8
FBE	72.93		P	11:58:53.593	-0.3	21.7		5.86		TAS		68.6	2.01	m_e	MBB 5.5
FLT1	72.13		P	11:58:48.424	-0.1	21.7		5.86		TAS		19.1	0.70	m_e	mb 5.3
FUR	76.00		P	11:59:11.670		21.7		5.86		TAS		49.1	1.04	m_e	MBB 5.9
GEC2	74.75		P	11:59:04.718	0.2	21.7		5.86		TAS		11.0	0.63	m_e	MBB 5.6
GOR1	71.50		P	11:58:45.460	-0.0	21.7		5.86		TAS				m_e	
GRA1	74.59		P	11:59:03.851	0.3	21.7		5.86		TAS		41.0	0.91	m_e	mb 5.5
GRA1	74.59		L	12:35:58.827						T__		485.8	20.30	a_e	Ms 4.8
GTTG	73.15		P	11:58:55.072	-0.0	21.7		5.86		TAS		42.9	1.92	m_e	mb 5.2
GUNZ	73.69		P	11:58:58.357	0.2	21.7		5.86		TAS		45.4	1.74	m_e	MBB 5.4
IBBN	72.91		P	11:58:53.709	0.1	21.7		5.86		TAS		34.0	0.93	m_e	mb 5.5
KAST	73.81		P	11:58:59.069	0.1	21.7		5.86		TAS		31.5	0.99	m_e	MBB 5.6
MANZ	74.10		P	11:59:00.681	0.4	21.7		5.86		TAS		2.5	1.24	m_e	MBB 4.6
MOX	73.61		P	11:58:57.540	-0.0	21.7		5.86		TAS		14.0	0.72	m_e	MBB 5.6

MOX	73.61	L	12:35:18.542							T__	516.6	21.60	a_e	Ms	4.8
NEUB	73.06	P	11:58:54.240	-0.2	21.7	5.86				TAS	16.6	0.74	m_e	mb	5.3
NRDL	72.23	P	11:58:49.469	-0.6	21.7	5.86				TAS	12.4	0.83	m_e	mb	5.1
PLN	73.62	P	11:58:57.864	0.1	21.7	5.86				TAS	31.3	1.45	m_e	MBB	5.7
RETH	72.17	P	11:58:49.201	-0.1	21.7	5.86				TAS	21.9	0.83	m_e	MBB	5.7
ROTZ	74.28	P	11:59:01.738	0.3	21.7	5.86				TAS	34.3	2.71	m_e	MBB	4.9
RUE	71.39	P	11:58:45.007	-0.6	21.7	5.86				TAS	26.4	0.96	m_e	mb	5.3
STU	75.92	P	11:59:10.970	-0.2	21.7	5.86				TAS	136.5	1.59	m_e	mb	5.8
TANN	73.62	P	11:58:57.723	0.1	21.7	5.86				TAS	27.0	1.72	m_e	MBB	5.4
TNS	74.73	P	11:59:04.406	-0.3	21.7	5.86				TAS	32.7	0.83	m_e	MBB	5.6
UBR	76.73	P	11:59:15.788		21.7	5.86				TAS	36.7	1.24	m_e	MBB	5.7
WERD	73.62	P	11:58:57.793	0.1	21.7	5.86				TAS	20.1	1.41	m_e	MBB	5.4
WERN	73.75	P	11:58:58.709	0.1	21.7	5.86				TAS	15.5	0.63	m_e	MBB	5.4
WET	74.69	P	11:59:04.322	0.2	21.7	5.86				TAS	21.6	0.65	m_e	MBB	5.6
WLF	75.74	P	11:59:10.366	-0.4	21.7	5.86				TAS	43.4	1.17	m_e	MBB	5.7

Event 70603005 Balleny Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/03	19:17:34.00			-62.6500	155.8300				15.0					156.78	156.78	m i ke	EMSC
70603037																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	70603011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	156.78		PKPdf	19:37:27.808		137.3		1.62		TAS				m_e	
GRA1	156.78		PKP	19:37:58.415						T__				m_e	
GRA1	156.78		L	20:54:45.983						T__	1578.3	19.30		a_e Ms	5.9

Event 70603007 Southern East Pacific Rise

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/03	22:57:35.00			-49.6000	-115.4800				10.0					146.10	146.10	m i ke	GFZ
70603059																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	70603013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.10		PKPab	23:17:15.811		249.3		3.97		TAS				m_e	
GRA1	146.10		L	00:14:33.624						T__	137.1	20.70		a_e Ms	4.7

Event 70604001 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/04	00:20:59.01			-19.1900	-172.6000				32.9	0.8		31		146.13	151.50	m i ke	BGR
OrigID 70604007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	70604007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.72		pPKPbc	00:40:52.207	0.3	5.2		2.75		TAS					m_e
ASSE	147.03		PKPbc	00:40:37.253	-0.3	5.8		2.70		TAS					a_e
ASSE	147.03		pPKPbc	00:40:47.145	-0.1	5.2		2.75		TAS					m_e
BFO	150.92		PKPbc	00:40:47.403		5.8		2.70		TAS					a_e
BFO	150.92		pPKPbc	00:40:57.353		5.2		2.75		TAS					m_e
BRG	147.96		PKPbc	00:40:39.903	0.2	5.8		2.70		TAS					m_e
BRG	147.96		pPKPbc	00:40:49.700	0.4	5.2		2.75		TAS					m_e
BUG	147.82		PKPbc	00:40:39.203	0.0	5.8		2.70		TAS					a_e
BUG	147.82		pPKPbc	00:40:49.316	0.3	5.2		2.75		TAS					m_e
CLL	147.65		PKPbc	00:40:38.803	0.4	5.8		2.70		TAS					a_e
CLL	147.65		pPKPbc	00:40:48.783	-0.1	5.2		2.75		TAS					m_e
CLZ	147.33		PKPbc	00:40:38.403	-0.2	5.8		2.70		TAS					a_e
CLZ	147.33		pPKPbc	00:40:48.224	-0.1	5.2		2.75		TAS					m_e
FBE	147.99		PKPbc	00:40:40.303	0.2	5.8		2.70		TAS					a_e
FBE	147.99		pPKPbc	00:40:50.186	0.4	5.2		2.75		TAS					m_e
FLT1	146.79		PKPbc	00:40:36.103	0.2	5.8		2.70		TAS					a_e
FLT1	146.79		pPKPbc	00:40:45.908	0.1	5.2		2.75		TAS					m_e
FUR	150.93		PKPbc	00:40:47.353		5.8		2.70		TAS					a_e
FUR	150.93		pPKPbc	00:40:57.439		5.2		2.75		TAS					m_e
GEC2	149.98		PKPbc	00:40:45.203		5.8		2.70		TAS					a_e
GOR1	146.13		PKPbc	00:40:34.553	-0.7	5.8		2.70		TAS					a_e
GOR1	146.13		pPKPbc	00:40:44.210	-0.8	5.2		2.75		TAS					m_e
GRA1	149.41		L	01:49:04.238						T__		82.0	21.90		a_e Ms 4.5
GTTG	147.65		PKPbc	00:40:39.053	0.1	5.8		2.70		TAS					a_e
GUNZ	148.65		PKPbc	00:40:42.003	0.2	5.8		2.70		TAS					a_e
GUNZ	148.65		pPKPbc	00:40:51.943	-0.3	5.2		2.75		TAS					m_e
IBBN	146.95		PKPbc	00:40:37.103	0.4	5.8		2.70		TAS					a_e
IBBN	146.95		pPKPbc	00:40:46.809	0.4	5.2		2.75		TAS					m_e
KAST	148.05		PKPbc	00:40:40.103	-0.0	5.8		2.70		TAS					a_e
KAST	148.05		pPKPbc	00:40:49.763	0.5	5.2		2.75		TAS					m_e
MANZ	149.04		PKPbc	00:40:43.003	-0.2	5.8		2.70		TAS					a_e
MANZ	149.04		pPKPbc	00:40:52.909		5.2		2.75		TAS					m_e
MOX	148.44		PKPbc	00:40:41.203	0.2	5.8		2.70		TAS					a_e
MOX	148.44		L	01:48:17.579						T__		127.3	20.70		a_e Ms 4.7
NEUB	147.88		PKPbc	00:40:39.553	0.2	5.8		2.70		TAS					a_e
NEUB	147.88		pPKPbc	00:40:49.469	0.2	5.2		2.75		TAS					m_e

NRDL	146.69	PKPbc	00:40:36.153	-0.5	5.8	2.70	TAS	a_e
NRDL	146.69	pPKPbc	00:40:45.999	-0.5	5.2	2.75	TAS	m_e
PLN	148.54	PKPbc	00:40:41.553	0.5	5.8	2.70	TAS	a_e
PLN	148.54	pPKPbc	00:40:51.472	0.2	5.2	2.75	TAS	m_e
RETH	146.48	PKPbc	00:40:35.553	0.0	5.8	2.70	TAS	a_e
RETH	146.48	pPKPbc	00:40:45.381	-0.0	5.2	2.75	TAS	m_e
ROTZ	149.25	PKPbc	00:40:43.503	-0.4	5.8	2.70	TAS	a_e
ROTZ	149.25	pPKPbc	00:40:53.394		5.2	2.75	TAS	m_e
RUE	146.41	PKPbc	00:40:34.953	0.1	5.8	2.70	TAS	a_e
RUE	146.41	pPKPbc	00:40:44.753	0.1	5.2	2.75	TAS	m_e
TANN	148.59	PKPbc	00:40:41.703	0.3	5.8	2.70	TAS	a_e
TNS	149.03	PKPbc	00:40:42.775	0.1	5.8	2.70	TAS	m_e
UBR	151.50	PKPbc	00:40:48.603		5.8	2.70	TAS	a_e
UBR	151.50	pPKPbc	00:40:58.694		5.2	2.75	TAS	m_e
WERD	148.57	PKPbc	00:40:41.603	0.1	5.8	2.70	TAS	a_e
WERD	148.57	pPKPbc	00:40:51.722	0.1	5.2	2.75	TAS	m_e
WERN	148.72	PKPbc	00:40:42.353	0.5	5.8	2.70	TAS	a_e
WERN	148.72	pPKPbc	00:40:52.140	-0.6	5.2	2.75	TAS	m_e
WET	149.79	PKPbc	00:40:44.953		5.8	2.70	TAS	a_e
WET	149.79	pPKPbc	00:40:54.860		5.2	2.75	TAS	m_e
WLF	149.58	PKPbc	00:40:44.803	-0.4	5.8	2.70	TAS	a_e

Event 70604005 Volcano Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/04	18:46:11.50			24.9400	142.2400				30.0					93.90	93.90	m i ke	EMSC
70604037																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70604011
Ms	4.5		BGR	70604011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.90		P	18:59:25.938		43.4		4.33		TAS		19.7	1.27	m_e	mb 5.3
GRA1	93.90		L	19:47:38.402						T__		158.5	18.30	a_e	Ms 4.5

Event 70605001 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/04	23:57:15.00			14.4700	-90.6400				184.0					86.59	86.59	m i ke	NEIC
70605096																	

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
GRA1	86.59		pP	00:10:21.982		288.3		5.14		TAS				m_e	

Event 70605002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/05	07:51:08.73			52.8400	-170.9900				35.5			31		73.34	79.36	m i ke	BGR
OrigID 70605008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70605008
Ms	4.0		BGR	70605008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.21		P	08:03:10.261		1.2		5.66		TAS		5.5	1.04	m_e mb	4.5
BRG	76.58		P	08:02:55.592	-0.0	1.2		5.66		TAS		10.5	0.99	m_e mb	4.9
BSEG	73.59		P	08:02:38.861	0.2	1.2		5.66		TAS		10.6	1.09	m_e mb	4.8
BUG	76.08		P	08:02:52.473	-0.1	1.2		5.66		TAS		12.5	1.12	m_e mb	4.9
CLL	76.17		P	08:02:53.005	0.1	1.2		5.66		TAS		7.5	0.90	m_e mb	4.8
CLL	76.17		pP	08:03:03.194						T__				m_e	
CLZ	75.69		P	08:02:50.987	-0.4	1.2		5.66		TAS		9.0	0.88	m_e mb	4.9
FBE	76.55		P	08:02:55.876	0.0	1.2		5.66		TAS		9.4	1.01	m_e mb	4.9
FLT1	75.19		P	08:02:47.271	0.1	1.2		5.66		TAS		4.5	0.75	m_e mb	4.6
FUR	79.36		P	08:03:11.260		1.2		5.66		TAS		12.7	0.58	m_e mb	5.1
GEC2	78.61		P	08:03:07.107		1.2		5.66		TAS		9.1	0.87	m_e mb	4.8
GOR1	74.52		P	08:02:44.300	0.1	1.2		5.66		TAS		33.2	1.61	m_e mb	5.1
GRA1	77.83		P	08:03:03.236	-0.2	1.2		5.66		TAS		16.3	0.78	m_e mb	5.2
GRA1	77.83		L	08:43:44.724						T__		70.5	21.40	a_e Ms	4.0
GTTG	75.99		P	08:02:52.699	-0.5	1.2		5.66		TAS		10.8	0.85	m_e mb	5.0
GUNZ	77.13		P	08:02:58.939	-0.1	1.2		5.66		TAS		5.4	0.98	m_e mb	4.6
HLG	73.34		P	08:02:37.151	0.1	1.2		5.66		TAS		181.8	1.01	m_e mb	6.2
IBBN	75.22		P	08:02:48.059	0.3	1.2		5.66		TAS		24.8	1.14	m_e mb	5.1
KAST	76.33		P	08:02:54.376	-0.1	1.2		5.66		TAS		8.9	1.27	m_e mb	4.7
MANZ	77.52		P	08:03:00.981	0.1	1.2		5.66		TAS		1.1	1.09	m_e mb	3.9
MOX	76.87		P	08:02:57.407	-0.1	1.2		5.66		TAS		8.5	0.82	m_e mb	4.9
MOX	76.87		L	08:41:23.929						T__		84.6	20.10	a_e Ms	4.1
NEUB	76.31		P	08:02:54.174	0.3	1.2		5.66		TAS		16.4	1.05	m_e mb	5.1
NRDL	75.03		P	08:02:46.740	-0.6	1.2		5.66		TAS		8.2	1.09	m_e mb	4.7
PLN	77.01		P	08:02:58.201	0.0	1.2		5.66		TAS		3.9	0.72	m_e mb	4.6
RETH	74.79		P	08:02:45.706	0.1	1.2		5.66		TAS		7.6	0.82	m_e mb	4.8
ROTZ	77.73		P	08:03:02.455	-0.2	1.2		5.66		TAS		1.2	0.79	m_e mb	4.1
RUE	74.98		P	08:02:46.787	-0.3	1.2		5.66		TAS		17.0	0.62	m_e mb	5.2
STU	78.77		P	08:03:07.870		1.2		5.66		TAS		24.1	0.78	m_e mb	5.3
TANN	77.08		P	08:02:58.690	0.8	1.2		5.66		TAS		3.6	0.97	m_e mb	4.5
TNS	77.31		P	08:03:00.627	0.4	1.2		5.66		TAS		9.1	0.77	m_e mb	5.0

WERD	77.05	P	08:02:58.349	0.2	1.2	5.66	TAS	14.7	1.67	m_e	mb	4.8
WERN	77.21	P	08:02:59.573	0.1	1.2	5.66	TAS	7.6	0.78	m_e	mb	4.9
WET	78.34	P	08:03:05.859	-0.2	1.2	5.66	TAS	6.2	1.38	m_e	mb	4.6

Event 70605003 Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/05	11:34:29.28			-1.4200	-77.4500				49.1	0.5		34		86.92	91.97	m i ke	BGR
	70605009																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70605009
MBB	6.0		BGR	70605009
Ms	4.9		BGR	70605009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	89.95		P	11:47:23.583	0.1	268.0		4.67		TAS		111.2	1.76	m_e	MBB	6.0
ASSE	89.95		pP	11:47:37.971	0.1	267.8		4.69		TAS				a_e		
BFO	88.24		P	11:47:14.589	0.1	268.0		4.67		TAS		28.2	1.56	m_e	MBB	5.9
BFO	88.24		pP	11:47:28.979	0.0	267.8		4.69		TAS				m_e		
BRG	91.97		P	11:47:32.783		268.0		4.67		TAS		39.0	1.29	m_e	MBB	5.9
BRG	91.97		pP	11:47:47.121		267.8		4.69		TAS				a_e		
BSEG	89.82		P	11:47:22.505	-0.2	268.0		4.67		TAS		141.6	1.55	m_e	MBB	6.1
BSEG	89.82		pP	11:47:36.871	-0.0	267.8		4.69		TAS				a_e		
BUG	87.80		P	11:47:13.209	-0.1	268.0		4.67		TAS		147.2	1.72	m_e	MBB	6.2
BUG	87.80		pP	11:47:27.571	-0.2	267.8		4.69		TAS				a_e		
CLL	91.38		P	11:47:29.923	0.2	268.0		4.67		TAS		129.8	1.87	m_e	MBB	6.0
CLL	91.38		pP	11:47:44.221	-0.5	267.8		4.69		TAS				a_e		
CLZ	89.76		P	11:47:22.689	0.2	268.0		4.67		TAS		81.5	1.30	m_e	MBB	6.0
CLZ	89.76		pP	11:47:36.982	0.2	267.8		4.69		TAS				m_e		
FBE	91.60		P	11:47:31.239	-0.2	268.0		4.67		TAS		162.7	2.00	m_e	MBB	6.0
FBE	91.60		pP	11:47:45.571	-0.1	267.8		4.69		TAS				a_e		
FLT1	90.31		P	11:47:24.625	-0.1	268.0		4.67		TAS		103.5	1.52	m_e	MBB	6.0
FLT1	90.31		pP	11:47:38.987	-0.0	267.8		4.69		TAS				m_e		
FUR	90.19		P	11:47:24.262	-0.4	268.0		4.67		TAS		39.2	1.01	a_e	MBB	6.0
FUR	90.19		pP	11:47:38.771	-0.4	267.8		4.69		TAS				a_e		
GEC2	91.82		P	11:47:31.512	0.0	268.0		4.67		TAS		24.3	1.53	a_e	MBB	5.7
GEC2	91.82		pP	11:47:45.971		267.8		4.69		TAS				a_e		
GOR1	90.37		P	11:47:25.224	-0.0	268.0		4.67		TAS		168.0	1.49	m_e	MBB	6.2
GOR1	90.37		pP	11:47:39.608	0.0	267.8		4.69		TAS				m_e		
GRA1	90.21		P	11:47:24.692	-0.1	268.0		4.67		TAS		111.0	1.78	m_e	mb	5.8
GRA1	90.21		pP	11:47:39.021	-0.1	267.8		4.69		TAS				m_e		
GRA1	90.21		L	12:25:33.759						T__		561.1	21.80	a_e	Ms	5.0
GTTG	89.49		P	11:47:21.300	0.3	268.0		4.67		TAS		97.2	1.54	m_e	MBB	6.0
GTTG	89.49		pP	11:47:35.682	0.2	267.8		4.69		TAS				m_e		
GUNZ	90.94		P	11:47:28.148	0.3	268.0		4.67		TAS		84.7	1.71	m_e	MBB	5.9



Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	149.09		PKPbc	16:23:58.154	0.0	15.8		2.42		TAS				m_e		
BSEG	146.86		PKPbc	16:23:52.356	-0.0	15.8		2.42		TAS				m_e		
CLL	148.90		PKPbc	16:23:57.561	-0.0	15.8		2.42		TAS				m_e		
CLZ	148.88		PKPbc	16:23:57.885	0.0	15.8		2.42		TAS				m_e		
FBE	149.18		PKPbc	16:23:58.757	0.0	15.8		2.42		TAS				m_e		
FLT1	148.27		PKPbc	16:23:55.794	0.3	15.8		2.42		TAS				m_e		
GEC2	151.03		PKPbc	16:24:02.644		15.8		2.42		TAS				m_e		
GTTG	149.23		PKPbc	16:23:58.453	0.2	15.8		2.42		TAS				m_e		
GUNZ	149.93		PKPbc	16:24:00.347		15.8		2.42		TAS				m_e		
KAST	149.79		PKPbc	16:23:59.863	-0.1	15.8		2.42		TAS				m_e		
MANZ	150.34		PKPbc	16:24:01.256		15.8		2.42		TAS				m_e		
MOX	149.81		PKPbc	16:23:59.864	-0.0	15.8		2.42		TAS				m_e		
NEUB	149.26		PKPbc	16:23:58.556	0.3	15.8		2.42		TAS				m_e		
PLN	149.85		PKPbc	16:23:59.940	-0.4	15.8		2.42		TAS				m_e		
RETH	148.16		PKPbc	16:23:55.808	-0.1	15.8		2.42		TAS				m_e		
ROTZ	150.52		PKPbc	16:24:01.546		15.8		2.42		TAS				m_e		
STU	152.05		PKPbc	16:24:05.024		15.8		2.42		TAS				m_e		
TANN	149.85		PKPbc	16:24:00.030	-0.2	15.8		2.42		TAS				m_e		
TNS	150.75		PKPbc	16:24:02.053		15.8		2.42		TAS				m_e		
WERD	149.86		PKPbc	16:24:00.013		15.8		2.42		TAS				m_e		
WERN	149.99		PKPbc	16:24:00.633		15.8		2.42		TAS				m_e		

Event 70606007 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/06	18:12:24.75			29.7370	52.6450				33.0					36.98	36.98	m i ke	BGR
70606013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70606013
Ms	3.6		BGR	70606013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	36.98		P	18:19:30.864		111.0		9.29		TAS		11.7	1.03	m_e	mb 4.6
GRA1	36.98		L	18:39:21.637						T__		115.2	21.70	a_e	Ms 3.6

Event 70607003 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/07	09:06:20.92			57.3590	-33.1980				20.5					27.07	27.07	m i ke	BGR

70607009

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70607009
Ms	4.1		BGR	70607009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	27.07		P	09:12:01.450		300.6		8.87		TAS		37.6	1.27	m_e	mb 5.0
GRA1	27.07		pP	09:12:06.706		299.8		8.91		TAS				m_e	
GRA1	27.07		L	09:21:31.120						T__		546.9	20.50	a_e	Ms 4.1

Event 70607006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/07	21:07:39.76			-18.5600	-178.7400				500.0			33		144.00	150.07	m i ke	BGR
																	70607012

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
ASSE	145.69		PKPbc	21:26:21.216	0.3	15.8		2.85		TAS				m_e	
BFO	149.75		PKPdf	21:26:27.557		21.2		1.50		TAS				m_e	
BFO	149.75		PKPbc	21:26:32.269		15.8		2.85		TAS				m_e	
BRG	146.22		PKPbc	21:26:23.039	0.3	15.8		2.85		TAS				m_e	
BSEG	144.00		PKPbc	21:26:15.545	-0.1	15.8		2.85		TAS				a_e	
CLL	146.03		PKPbc	21:26:22.245	0.5	15.8		2.85		TAS				a_e	
CLZ	146.02		PKPbc	21:26:22.538	-0.1	15.8		2.85		TAS				m_e	
FBE	146.31		PKPbc	21:26:23.631	0.2	15.8		2.85		TAS				m_e	
FLT1	145.40		PKPbc	21:26:20.045	0.4	15.8		2.85		TAS				a_e	
FUR	149.37		PKPdf	21:26:27.043		21.2		1.50		TAS				m_e	
FUR	149.37		PKPbc	21:26:31.495		15.8		2.85		TAS				a_e	
FUR	149.37		PKPab	21:26:37.149		13.9		4.03		TAS				m_e	
GEC2	148.15		PKPdf	21:26:25.087		21.2		1.50		TAS				m_e	
GEC2	148.15		PKPbc	21:26:28.495	-0.8	15.8		2.85		TAS				a_e	
GOR1	144.76		PKPbc	21:26:18.226	-0.1	15.8		2.85		TAS				m_e	
GRA1	147.93		PKPbc	21:26:28.045	-0.5	15.8		2.85		TAS				a_e	
GRA1	147.93		PKPab	21:26:31.379		13.9		4.03		TAS				m_e	
GTTG	146.37		PKPbc	21:26:23.495	0.1	15.8		2.85		TAS				a_e	
GUNZ	147.06		PKPdf	21:26:23.535		21.2		1.50		TAS				m_e	
GUNZ	147.06		PKPbc	21:26:25.645	0.3	15.8		2.85		TAS				a_e	
IBBN	145.94		PKPbc	21:26:22.014	0.0	15.8		2.85		TAS				m_e	
KAST	146.94		PKPdf	21:26:23.290		21.2		1.50		TAS				m_e	
KAST	146.94		PKPbc	21:26:24.861	0.1	15.8		2.85		TAS				m_e	
MANZ	147.46		PKPdf	21:26:24.219		21.2		1.50		TAS				m_e	
MANZ	147.46		PKPbc	21:26:26.658	-0.0	15.8		2.85		TAS				m_e	
MOX	146.94		PKPdf	21:26:23.167		21.2		1.50		TAS				m_e	

MOX	146.94	PKPbc	21:26:24.911	0.3	15.8	2.85	TAS	m_e
NEUB	146.39	PKPbc	21:26:23.395	0.1	15.8	2.85	TAS	a_e
NRDL	145.43	PKPbc	21:26:20.322	0.0	15.8	2.85	TAS	m_e
PLN	146.98	PKPdf	21:26:23.369		21.2	1.50	TAS	m_e
PLN	146.98	PKPbc	21:26:25.162	0.5	15.8	2.85	TAS	m_e
RETH	145.31	PKPbc	21:26:20.007	-0.5	15.8	2.85	TAS	m_e
RJOB	149.41	PKPdf	21:26:26.672		21.2	1.50	TAS	m_e
RJOB	149.41	PKPbc	21:26:31.395		15.8	2.85	TAS	a_e
RJOB	149.41	PKPab	21:26:37.853		13.9	4.03	TAS	m_e
ROTZ	147.65	PKPbc	21:26:27.192	-0.1	15.8	2.85	TAS	m_e
RUE	144.76	PKPbc	21:26:18.195	-0.3	15.8	2.85	TAS	a_e
STU	149.19	PKPdf	21:26:26.977		21.2	1.50	TAS	m_e
STU	149.19	PKPbc	21:26:31.095	-0.6	15.8	2.85	TAS	a_e
TANN	146.98	PKPdf	21:26:23.378		21.2	1.50	TAS	m_e
TANN	146.98	PKPbc	21:26:25.345	0.3	15.8	2.85	TAS	m_e
TNS	147.89	PKPdf	21:26:24.946		21.2	1.50	TAS	m_e
TNS	147.89	PKPbc	21:26:27.703	0.4	15.8	2.85	TAS	m_e
TNS	147.89	PKPab	21:26:30.699		13.9	4.03	TAS	m_e
UBR	150.07	PKPdf	21:26:27.996		21.2	1.50	TAS	m_e
UBR	150.07	PKPbc	21:26:33.145		15.8	2.85	TAS	a_e
WERD	146.99	PKPdf	21:26:23.381		21.2	1.50	TAS	m_e
WERD	146.99	PKPbc	21:26:25.295	0.2	15.8	2.85	TAS	a_e
WERN	147.12	PKPdf	21:26:23.769		21.2	1.50	TAS	m_e
WERN	147.12	PKPbc	21:26:25.892	0.4	15.8	2.85	TAS	m_e
WERN	147.12	PKPab	21:26:28.155		13.9	4.03	TAS	m_e
WET	148.08	PKPbc	21:26:28.246	-0.3	15.8	2.85	TAS	m_e
WET	148.08	PKPab	21:26:32.174		13.9	4.03	TAS	m_e
WLF	148.72	PKPdf	21:26:26.681		21.2	1.50	TAS	m_e
WLF	148.72	PKPbc	21:26:30.395	-0.1	15.8	2.85	TAS	a_e

Event 70608001 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
2017/06/08	00:25:30.70			35.5300	140.6200				54.0					84.05	84.05	m i ke	EMSC
70608033																	

Magnitude Err Nsta Author OrigID  
mb 5.1 BGR 70608007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.05		P	00:37:56.435		39.3		4.38		TAS		13.5	0.98	m_e mb	5.1
GRA1	84.05		pP	00:38:09.916		41.2		4.29		TAS				m_e	



ASSE	150.04	PKPbc	22:12:56.830	0.2	20.6	2.29	TAS	m_e
BFO	154.13	PKPab	22:13:22.353		20.0	4.40	TAS	m_e
BRG	150.38	PKPbc	22:12:57.755	-0.0	20.6	2.29	TAS	m_e
BSEG	148.40	PKPbc	22:12:52.952	-0.1	20.6	2.29	TAS	m_e
CLL	150.25	PKPbc	22:12:57.359	-0.0	20.6	2.29	TAS	m_e
CLL	150.25	PKPab	22:13:05.898	-0.6	20.0	4.40	TAS	m_e
CLZ	150.37	PKPbc	22:12:57.799	0.4	20.6	2.29	TAS	m_e
FBE	150.50	PKPbc	22:12:58.372	-0.1	20.6	2.29	TAS	m_e
FLT1	149.73	PKPbc	22:12:55.904	0.0	20.6	2.29	TAS	m_e
FLT1	149.73	PKPab	22:13:03.466	-0.2	20.0	4.40	TAS	m_e
FUR	153.58	PKPab	22:13:20.759		20.0	4.40	TAS	m_e
GEC2	152.26	PKPbc	22:13:01.809		20.6	2.29	TAS	m_e
GOR1	149.10	PKPbc	22:12:54.626	-0.2	20.6	2.29	TAS	m_e
GRA1	152.19	PKPab	22:13:14.808		20.0	4.40	TAS	m_e
GTTG	150.74	PKPbc	22:12:58.465	0.0	20.6	2.29	TAS	m_e
GUNZ	151.28	PKPbc	22:12:59.826	-0.0	20.6	2.29	TAS	m_e
GUNZ	151.28	PKPab	22:13:10.808		20.0	4.40	TAS	m_e
KAST	151.36	PKPbc	22:12:59.826		20.6	2.29	TAS	m_e
MANZ	151.69	PKPbc	22:13:00.656		20.6	2.29	TAS	m_e
MOX	151.21	PKPbc	22:12:59.430	0.1	20.6	2.29	TAS	m_e
MOX	151.21	PKPab	22:13:10.111		20.0	4.40	TAS	m_e
NEUB	150.66	PKPbc	22:12:58.240	-0.1	20.6	2.29	TAS	m_e
NRDL	149.81	PKPbc	22:12:56.389	-0.0	20.6	2.29	TAS	m_e
PLN	151.22	PKPbc	22:12:59.562	-0.1	20.6	2.29	TAS	m_e
RETH	149.72	PKPbc	22:12:55.948	0.1	20.6	2.29	TAS	m_e
RJOB	153.52	PKPab	22:13:20.821		20.0	4.40	TAS	m_e
RUE	148.98	PKPbc	22:12:54.392	-0.2	20.6	2.29	TAS	m_e
STU	153.53	PKPab	22:13:20.990		20.0	4.40	TAS	m_e
TANN	151.20	PKPbc	22:12:59.474	-0.0	20.6	2.29	TAS	m_e
WERD	151.22	PKPbc	22:12:59.606	0.3	20.6	2.29	TAS	m_e
WERN	151.34	PKPbc	22:13:00.223		20.6	2.29	TAS	m_e
WERN	151.34	PKPab	22:13:11.170		20.0	4.40	TAS	m_e

Event 70608009 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/08	23:23:42.90			18.5100	147.0300				10.0					101.65	101.65	m i ke	EMSC
	70608041																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.65		PP	23:41:46.115						T__					m_e

Event 70609007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/09	01:33:06.90			-16.8300	-176.6300				10.0					142.58	148.32	m i ke	EMSC
OrigID 70609039																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	70609013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.32		L	03:02:01.577						T__		442.7	19.20	a_e	Ms 5.3
BSEG	142.58		L	02:52:57.329						T__		363.8	21.80	a_e	Ms 5.1
CLL	144.75		L	02:55:34.519						T__		589.8	21.80	a_e	Ms 5.3
FUR	148.09		L	02:57:21.781						T__		333.0	21.00	a_e	Ms 5.1
GEC2	146.97		L	02:58:08.508						T__		492.7	22.00	a_e	Ms 5.2
GRA1	146.61		PKPbc	01:53:00.933		13.8		2.27		TAS				m_e	
GRA1	146.61		L	02:55:14.158						T__		405.6	22.00	a_e	Ms 5.2
MOX	145.62		L	02:55:49.584						T__		346.3	22.00	a_e	Ms 5.1
TNS	146.44		L	02:57:31.667						T__		408.4	20.70	a_e	Ms 5.2
WET	146.85		L	03:01:53.918						T__		560.0	20.80	a_e	Ms 5.3

Event 70609005 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/09	12:15:43.90			42.4600	13.3600				13.0					4.14	6.39	m i ke	INGV
OrigID 70609095																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	70609011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.03		Pn	12:16:59.702						T__	7.0			m_e	
DAVA	5.42		Pn	12:17:08.438						T__	5.6			m_e	
GEC2	6.39		Sn	12:18:29.069						T__	3.3			m_e	ML 4.3
KBA	4.62		Pn	12:16:55.031						T__	20.4			m_e	
OBKA	4.14		Pn	12:16:48.137						T__	18.5			m_e	
PLONS	5.39		Sn	12:18:11.056						T__	4.9			m_e	
PLONS	5.39		Pn	12:17:07.688						T__	4.6			m_e	ML 3.7
RJOB	5.29		Sn	12:18:06.520						T__	5.2			m_e	
RJOB	5.29		Pn	12:17:04.711						T__	16.1			m_e	ML 4.3
SLE	6.32		Sn	12:18:28.588						T__	2.1			m_e	ML 4.1
WTTA	4.96		Pn	12:17:01.327						T__	15.4			m_e	

Event 70609008 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/09	17:16:31.40			-23.2100	-176.8200				164.0					148.85	153.09	m i ke	EMSC
OrigID 70609040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.3		BGR	70609014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.15		PKPbc	17:36:06.115		16.4		3.97		TAS				m_e	
BSEG	148.85		L	18:42:30.948						T__		46.0	18.70	a_e Ms	4.3
CLL	150.94		PKPbc	17:36:05.268		16.4		3.97		TAS				m_e	
CLZ	150.88		PKPbc	17:36:06.115		16.4		3.97		TAS				m_e	
FBE	151.23		PKPbc	17:36:06.681		16.4		3.97		TAS				m_e	
GEC2	153.09		PKPbc	17:36:10.750		16.4		3.97		TAS				m_e	
GRA1	152.82		PKPab	17:36:20.950		16.4		3.97		TAS				m_e	
GRA1	152.82		L	18:49:25.951						T__		34.7	20.10	a_e Ms	4.2
GUNZ	151.97		PKPbc	17:36:08.376		16.4		3.97		TAS				m_e	
MANZ	152.37		PKPbc	17:36:09.224		16.4		3.97		TAS				m_e	
MOX	151.84		L	18:39:35.633						T__		38.2	19.70	a_e Ms	4.2
NEUB	151.28		PKPbc	17:36:06.455		16.4		3.97		TAS				m_e	
PLN	151.88		PKPbc	17:36:07.981		16.4		3.97		TAS				m_e	
PLN	151.88		PKPab	17:36:16.892		16.4		3.97		TAS				m_e	
ROTZ	152.56		PKPbc	17:36:09.846		16.4		3.97		TAS				m_e	
TANN	151.89		PKPbc	17:36:07.981		16.4		3.97		TAS				m_e	
TNS	152.72		L	18:48:35.299						T__		50.6	19.00	a_e Ms	4.4
WERD	151.89		PKPbc	17:36:07.924		16.4		3.97		TAS				m_e	
WERN	152.03		PKPbc	17:36:08.353		16.4		3.97		TAS				m_e	
WERN	152.03		PKPab	17:36:17.829		16.4		3.97		TAS				m_e	

Event 70609009 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/09	19:34:14.72			40.5720	144.1530				33.0					77.85	83.23	m i ke	BGR
OrigID 70609015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70609015
Ms	4.0		BGR	70609015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.23		L	20:23:46.286						T__		45.7	21.70	a_e Ms	3.8
BSEG	77.85		L	20:22:32.904						T__		112.5	20.60	a_e Ms	4.2
CLL	79.07		L	20:21:42.038						T__		45.4	20.60	a_e Ms	3.8

GEC2	80.80	L	20:24:17.986			T__	76.2	20.70	a_e	Ms	4.0
GRA1	81.04	P	19:46:25.051	34.8	4.44	TAS	11.9	0.99	m_e	mb	4.9
GRA1	81.04	L	20:19:38.304			T__	35.6	20.50	a_e	Ms	3.7
MOX	80.11	L	20:26:22.184			T__	73.1	18.70	a_e	Ms	4.1
TNS	81.59	L	20:25:27.314			T__	96.5	19.10	a_e	Ms	4.2
WET	80.87	L	20:25:13.381			T__	98.9	20.10	a_e	Ms	4.2

Event 70609010 North of Svalbard

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/09	20:49:13.56			84.5420	-2.7970				10.0			18		30.92	36.72	m i ke	BGR
	70609016																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70609016
Ms	4.4		BGR	70609016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	34.25	P		20:55:56.749		357.7		8.61		TAS		29.3	1.20	m_e	mb	5.1
BFO	36.48	L		21:08:07.754						T__		822.5	20.30	a_e	Ms	4.5
BRG	34.09	P		20:55:55.928	1.3	357.7		8.61		TAS		97.9	2.81	m_e	mb	5.2
BSEG	30.92	P		20:55:31.472	-1.1	357.7		8.61		TAS		48.8	1.18	m_e	mb	5.3
BSEG	30.92	L		21:04:26.233						T__		754.1	21.50	a_e	Ms	4.3
BUG	33.35	P		20:55:51.558	-0.2	357.7		8.61		TAS		18.5	1.13	m_e	mb	4.9
CLL	33.62	L		21:06:35.960						T__		878.7	20.90	a_e	Ms	4.5
FBE	34.02	P		20:55:55.909	0.2	357.7		8.61		TAS		21.6	0.91	m_e	mb	5.1
FUR	36.72	L		21:08:36.786						T__		494.7	20.30	a_e	Ms	4.3
GEC2	36.11	P		20:56:15.251		357.7		8.61		TAS		30.2	1.24	m_e	mb	5.0
GEC2	36.11	L		21:08:22.776						T__		663.6	19.50	a_e	Ms	4.4
GRA1	35.19	P		20:56:06.522		357.7		8.61		TAS		22.1	1.22	m_e	mb	5.0
GRA1	35.19	L		21:07:40.777						T__		520.2	21.50	a_e	Ms	4.3
GUNZ	34.55	P		20:56:00.859		357.7		8.61		TAS		32.6	1.30	m_e	mb	5.1
KAST	33.61	P		20:55:51.820	0.1	357.7		8.61		TAS		39.8	1.54	m_e	mb	5.1
MOX	34.25	P		20:55:57.937		357.7		8.61		TAS		28.1	1.21	m_e	mb	5.1
MOX	34.25	L		21:07:38.098						T__		406.4	19.80	a_e	Ms	4.2
NEUB	33.70	P		20:55:52.094	0.1	357.7		8.61		TAS		54.5	1.37	m_e	mb	5.3
NRDL	32.36	P		20:55:40.812	-1.4	357.7		8.61		TAS		29.8	1.32	m_e	mb	5.1
PLN	34.42	P		20:55:59.683		357.7		8.61		TAS		26.1	1.13	m_e	mb	5.1
RETH	32.09	P		20:55:38.589	-0.6	357.7		8.61		TAS		23.8	1.20	m_e	mb	5.0
ROTZ	35.14	P		20:56:05.954		357.7		8.61		TAS		4.5	1.25	m_e	mb	4.3
TANN	34.50	P		20:56:00.127		357.7		8.61		TAS		24.3	1.26	m_e	mb	5.0
TNS	34.59	L		21:06:37.756						T__		958.4	21.80	a_e	Ms	4.5
WERD	34.46	P		20:56:00.002		357.7		8.61		TAS		29.7	1.32	m_e	mb	5.1
WERN	34.62	P		20:56:01.715		357.7		8.61		TAS		38.6	1.21	m_e	mb	5.2
WET	35.78	L		21:08:11.448						T__		496.8	18.00	a_e	Ms	4.3

Event 70610005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/10	02:17:22.50			-18.5900	-173.1200				64.0					145.87	150.53	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	70610011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.40		PKPbc	02:36:56.365		8.0		1.86		TAS				m_e	
BFO	150.31		PKPbc	02:37:06.311		8.0		1.86		TAS				m_e	
BRG	147.30		PKPbc	02:36:59.064		8.0		1.86		TAS				m_e	
CLL	147.00		PKPbc	02:36:57.928		8.0		1.86		TAS				m_e	
CLZ	146.71		PKPbc	02:36:57.075		8.0		1.86		TAS				m_e	
FBE	147.33		PKPbc	02:36:59.207		8.0		1.86		TAS				m_e	
FLT1	146.16		PKPbc	02:36:55.370		8.0		1.86		TAS				m_e	
GRA1	148.78		PKPbc	02:37:03.549		8.0		1.86		TAS				m_e	
GRA1	148.78		L	03:43:21.110						T__		111.3	20.40	a_e Ms	4.6
GUNZ	148.00		PKPbc	02:37:01.196		8.0		1.86		TAS				m_e	
KAST	147.44		PKPbc	02:36:59.207		8.0		1.86		TAS				m_e	
KAST	147.44		L	03:43:09.637						T__		105.2	21.10	a_e Ms	4.6
MANZ	148.40		PKPbc	02:37:02.190		8.0		1.86		TAS				m_e	
MOX	147.80		PKPbc	02:37:00.059		8.0		1.86		TAS				m_e	
NRDL	146.07		PKPbc	02:36:55.086		8.0		1.86		TAS				m_e	
PLN	147.90		PKPbc	02:37:00.485		8.0		1.86		TAS				m_e	
RETH	145.87		PKPbc	02:36:54.518		8.0		1.86		TAS				m_e	
RJOB	150.53		PKPbc	02:37:06.879		8.0		1.86		TAS				m_e	
TANN	147.94		PKPbc	02:37:01.054		8.0		1.86		TAS				m_e	
WERD	147.92		PKPbc	02:37:00.912		8.0		1.86		TAS				m_e	
WERN	148.07		PKPbc	02:37:01.906		8.0		1.86		TAS				m_e	

Event 70610006 Pacific-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/06/10	05:42:13.80			-54.3600	-146.6700				10.0					33	162.68	167.72	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	70610012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	163.59		PKPdf	06:02:15.243		-0.7	242.6	0.55		TAS				a_e	



Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70610013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	81.73		L	08:23:17.256						T__		77.5	20.50	a_e	
BSEG	76.31		L	08:19:37.979						T__		71.1	20.90	a_e	
CLL	77.59		P	07:43:05.558		33.5		4.71		TAS		11.5	0.88	m_e mb	5.0
CLL	77.59		L	08:23:26.321						T__		141.1	18.20	a_e	
CLZ	78.05		P	07:43:08.897		33.5		4.71		TAS		8.7	0.81	m_e mb	4.9
FBE	77.78		P	07:43:07.207		33.5		4.71		TAS		7.9	0.84	m_e mb	4.9
FLT1	77.35		P	07:43:04.074		33.5		4.71		TAS		8.4	0.85	m_e mb	4.9
FUR	80.83		L	08:21:55.149						T__		125.6	21.00	a_e	
GRA1	79.57		P	07:43:16.513		33.5		4.71		TAS		11.3	0.79	m_e mb	4.9
IBBN	78.51		P	07:43:10.814		33.5		4.71		TAS		13.7	0.88	m_e mb	5.0
MOX	78.63		L	08:21:16.780						T__		125.0	18.00	a_e	
RJOB	80.62		P	07:43:23.098		33.5		4.71		TAS		7.6	0.82	m_e mb	4.8
ROTZ	79.15		P	07:43:14.812		33.5		4.71		TAS		1.3	1.17	m_e mb	3.9
TNS	80.07		L	08:22:11.023						T__		97.1	19.00	a_e	
WERN	78.66		P	07:43:11.926		33.5		4.71		TAS		5.0	0.86	m_e mb	4.6
WET	79.42		P	07:43:16.543		33.5		4.71		TAS		8.4	1.03	m_e mb	4.7
WET	79.42		L	08:22:02.390						T__		220.5	19.10	a_e	

Event 70610008 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/10	18:47:35.20			14.3700	-93.0400				40.0					86.19	89.34	m i ke	EMSC
				70610040													

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70610014
Ms	5.2		BGR	70610014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.78		L	19:39:53.228						T__		1503.7	19.00	a_e Ms	5.4
BSEG	86.19		L	19:39:21.812						T__		1036.9	19.80	a_e Ms	5.2
CLL	88.63		L	19:40:39.144						T__		1070.9	21.20	a_e Ms	5.2
FUR	88.70		L	19:39:33.622						T__		1061.6	21.50	a_e Ms	5.2
GRA1	88.14		P	19:00:24.278		290.0		4.84		TAS		23.5	1.37	m_e mb	5.3
GRA1	88.14		L	19:36:15.286						T__		929.4	20.50	a_e Ms	5.2
MOX	88.05		L	19:39:56.962						T__		981.5	21.00	a_e Ms	5.2
TNS	86.27		L	19:41:10.567						T__		949.2	18.40	a_e Ms	5.2
WET	89.34		L	19:36:27.684						T__		849.8	21.70	a_e Ms	5.1

Event 70610009 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/10	21:23:05.60			14.2700	-93.0300				33.0					86.10	89.42	m i ke	NEIC
OrigID 70610048																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70610015
Ms	4.8		BGR	70610015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.85		L	22:16:25.727						T__		536.0	18.10	a_e	Ms 5.0
BSEG	86.26		P	21:35:42.474		289.9		0.00		TAS		8.8	0.82	m_e	mb 4.9
BSEG	86.26		L	22:16:12.198						T__		383.7	18.10	a_e	Ms 4.8
CLL	88.71		L	22:16:08.626						T__		278.0	21.30	a_e	Ms 4.6
FUR	88.77		L	22:17:04.916						T__		367.1	18.80	a_e	Ms 4.8
GRA1	88.21		L	22:18:18.898						T__		290.6	18.20	a_e	Ms 4.7
MOX	88.12		L	22:16:37.696						T__		327.7	18.00	a_e	Ms 4.8
RETH	86.10		P	21:35:41.986		289.9		0.00		TAS		5.3	0.59	m_e	mb 4.8
TNS	86.34		P	21:35:42.799		289.9		0.00		TAS		11.8	0.87	m_e	mb 5.0
TNS	86.34		L	22:15:46.793						T__		235.9	19.50	a_e	Ms 4.6
WET	89.42		L	22:12:07.764						T__		255.3	21.20	a_e	Ms 4.6

Event 70611002 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/11	16:29:55.60			-6.5240	-11.7730				10.0					57.41	63.04	m i ke	BGR
OrigID 70611008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70611008
Ms	4.4		BGR	70611008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	57.41		L	17:03:15.513						T__		296.5	19.60	a_e	Ms 4.4
BSEG	63.04		L	17:06:36.453						T__		188.0	21.00	a_e	Ms 4.2
CLL	61.42		L	17:05:49.589						T__		289.2	20.90	a_e	Ms 4.4
FUR	58.11		L	17:05:58.354						T__		345.9	18.80	a_e	Ms 4.5
GRA1	59.46		P	16:40:00.211		208.9		7.29		TAS		14.1	1.41	m_e	mb 4.8
GRA1	59.46		L	17:04:51.647						T__		341.4	21.80	a_e	Ms 4.4
MANZ	59.98		P	16:40:03.563		208.9		7.29		TAS		6.9	1.77	m_e	mb 4.4
MOX	60.42		P	16:40:07.194		208.9		7.29		TAS		35.5	1.87	m_e	mb 5.1
MOX	60.42		L	17:05:18.853						T__		346.8	21.60	a_e	Ms 4.5
PLN	60.44		P	16:40:06.850		208.9		7.29		TAS		5.8	0.83	m_e	mb 4.6
RJOB	58.22		P	16:39:53.574		208.9		7.29		TAS		7.6	0.71	m_e	mb 4.8

TANN	60.47	P	16:40:07.630	208.9	7.29	TAS	10.3	1.02	m_e	mb	4.8
TNS	59.18	L	17:07:47.004			T__	155.4	18.30	a_e	Ms	4.2
WERN	60.33	P	16:40:06.076	208.9	7.29	TAS	26.9	1.77	m_e	mb	5.0
WET	59.48	P	16:40:00.137	208.9	7.29	TAS	23.0	1.71	m_e	mb	4.9
WET	59.48	L	17:05:31.253			T__	275.7	19.00	a_e	Ms	4.4

Event 70612001 South of Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/11	23:15:11.20			-8.1600	106.4000				40.0					98.41	101.41	m i ke	EMSC
	70612033																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	70612007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	101.41		L	00:25:32.082						T__		295.3	21.30	a_e	Ms	4.8
BSEG	100.12		L	00:18:33.116						T__		462.2	21.90	a_e	Ms	4.9
CLL	98.43		L	00:19:29.862						T__		595.5	22.00	a_e	Ms	5.0
FUR	99.44		L	00:23:29.217						T__		445.0	21.30	a_e	Ms	4.9
GRA1	99.51		PP	23:32:53.773						T__				m_e		
GRA1	99.51		L	00:19:32.606						T__		324.3	21.30	a_e	Ms	4.8
MOX	99.28		L	00:21:59.587						T__		406.7	22.00	a_e	Ms	4.9
TNS	101.31		L	00:21:13.931						T__		292.4	21.40	a_e	Ms	4.8
WET	98.41		L	00:22:37.607						T__		261.1	20.40	a_e	Ms	4.7

Event 70612009 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/12	12:28:36.40			38.8590	25.8170				10.0				32	12.97	18.42	m i ke	BGR
	70612015																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70612015
Ms	5.9		BGR	70612015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	17.66		P	12:32:49.062	1.9	130.7		13.19		TAS		3724.4	2.67	m_e	mb	6.0
ASSE	16.95		P	12:32:39.229	0.1	130.7		13.19		TAS		661.1	1.55	m_e	mb	5.5
BFO	15.78		P	12:32:24.684	6.6	130.7		13.19		TAS		3653.5	2.15	m_e	mb	6.1
BFO	15.78		L	12:38:20.605						T__		64999.1	18.00	a_e	Ms	5.8
BRG	14.64		P	12:32:08.759	0.0	130.7		13.19		TAS		1871.1	1.93	m_e		
BSEG	18.42		P	12:32:58.311		130.7		13.19		TAS		3879.4	2.20	m_e		

BSEG	18.42	L	12:39:38.614							T__	41480.1	20.40	a_e	Ms	5.7
BUG	18.08	P	12:32:54.334	-1.2	130.7	13.19				TAS	1817.9	1.58	m_e		
CLL	15.36	P	12:32:18.458	-1.1	130.7	13.19				TAS	1588.7	2.03	m_e		
CLL	15.36	L	12:38:50.246							T__	101181.0	18.80	a_e	Ms	6.0
CLZ	16.87	P	12:32:38.586	-0.7	130.7	13.19				TAS	938.2	1.44	m_e		
FLT1	16.85	P	12:32:37.892	-0.4	130.7	13.19				TAS	1114.2	1.51	m_e		
FUR	14.04	P	12:32:03.612	1.7	130.7	13.19				TAS	659.1	1.04	m_e		
FUR	14.04	L	12:37:25.169							T__	106095.0	19.60	a_e	Ms	5.9
GOR1	17.32	P	12:32:43.542	-1.9	130.7	13.19				TAS	5102.5	2.29	m_e		
GRA1	15.02	P	12:32:14.180	-1.1	130.7	13.19				TAS	1694.5	1.56	m_e		
GRA1	15.02	L	12:38:46.962							T__	92919.1	21.10	a_e	Ms	5.9
GTTG	16.86	P	12:32:39.025	-0.7	130.7	13.19				TAS	3174.5	1.59	m_e		
GUNZ	14.96	P	12:32:13.151	-1.1	130.7	13.19				TAS	2707.2	2.26	m_e		
IBBN	18.39	P	12:32:58.496		130.7	13.19				TAS	11981.1	2.99	m_e		
KAST	17.37	P	12:32:44.555	-0.6	130.7	13.19				TAS	910.9	1.69	m_e		
MANZ	14.79	P	12:32:11.356	-1.0	130.7	13.19				TAS	655.1	2.20	m_e		
MOX	15.48	P	12:32:20.086	0.1	130.7	13.19				TAS	6596.2	2.58	m_e		
MOX	15.48	L	12:39:23.148							T__	66928.9	18.30	a_e	Ms	5.8
NEUB	15.80	P	12:32:24.568	1.3	130.7	13.19				TAS	1514.5	1.33	m_e		
NRDL	17.45	P	12:32:45.917	-0.8	130.7	13.19				TAS	2071.6	2.06	m_e		
PLN	15.12	P	12:32:15.334	0.1	130.7	13.19				TAS	801.0	1.33	m_e		
RETH	17.95	P	12:32:54.133	0.8	130.7	13.19				TAS	10029.3	2.77	m_e		
RJOB	12.97	P	12:31:47.757	-0.4	130.7	13.19				TAS			m_e		
ROTZ	14.60	P	12:32:08.614	-1.2	130.7	13.19				TAS	453.0	2.15	m_e		
RUE	15.97	P	12:32:30.651	3.4	130.7	13.19				TAS	2816.7	1.66	m_e		
STU	15.53	P	12:32:21.183	-0.4	130.7	13.19				TAS	7726.3	2.25	m_e		
TANN	14.93	P	12:32:12.737	-1.1	130.7	13.19				TAS	1967.6	2.24	m_e		
TNS	16.76	P	12:32:41.548	-0.3	130.7	13.19				TAS	4489.0	1.95	m_e		
TNS	16.76	L	12:40:19.215							T__	107358.0	18.30	a_e	Ms	6.1
UBR	14.43	P	12:32:07.327	1.6	130.7	13.19				TAS	1243.5	1.11	m_e		
WERD	15.03	P	12:32:14.029	-1.3	130.7	13.19				TAS	937.5	1.50	m_e		
WET	13.85	P	12:31:59.218	-0.8	130.7	13.19				TAS	1112.9	1.97	m_e		
WET	13.85	L	12:38:24.762							T__	96880.5	19.80	a_e	Ms	5.9
WLF	17.70	P	12:32:50.996	-1.5	130.7	13.19				TAS	1306.8	1.46	m_e		

Event 70612010 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/12	15:06:25.30			60.8800	167.3000				10.0					66.12	68.11	m i ke	EMSC
	70612042																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70612016
Ms	4.7		BGR	70612016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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CLL	66.28	P	15:17:13.277	12.3	5.47	TAS	34.0	1.65	m_e	mb	5.3
CLZ	66.12	P	15:17:13.559	12.3	5.47	TAS	28.5	1.08	m_e	mb	5.4
GRA1	68.11	P	15:17:26.077	12.3	5.47	TAS	19.6	1.16	m_e	mb	5.2
GRA1	68.11	L	15:52:43.849			T__	504.1	20.70	a_e	Ms	4.7
MOX	67.12	P	15:17:19.128	12.3	5.47	TAS	13.2	1.20	m_e	mb	5.0
MOX	67.12	L	15:50:46.932			T__	466.3	20.40	a_e	Ms	4.7
NEUB	66.56	P	15:17:15.526	12.3	5.47	TAS	15.0	0.88	m_e	mb	5.2

Event 70613010 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/13	14:31:08.65			26.9610	139.8210				33.0			12		89.00	93.37	m i ke	BGR
OrigID 70613016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70613016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	93.37		P	14:44:19.289		41.8		4.68		TAS		12.5	0.68	m_e	mb	5.5
BRG	89.00		P	14:43:59.162	0.1	41.8		4.68		TAS		8.6	0.62	m_e	mb	5.1
CLL	89.12		P	14:43:59.162	0.1	41.8		4.68		TAS		10.0	0.79	m_e	mb	5.1
FBE	89.23		P	14:44:00.635	0.1	41.8		4.68		TAS		12.8	0.63	m_e	mb	5.3
GRA1	91.07		P	14:44:09.112		41.8		4.68		TAS		10.6	0.75	m_e	mb	5.2
GUNZ	90.09		P	14:44:04.305		41.8		4.68		TAS		9.5	0.55	m_e	mb	5.2
IBBN	90.64		P	14:44:06.255		41.8		4.68		TAS		29.4	0.51	m_e	mb	5.9
MANZ	90.46		P	14:44:06.011		41.8		4.68		TAS		1.3	0.65	m_e	mb	4.3
MOX	90.21		P	14:44:04.656		41.8		4.68		TAS		3.0	0.78	m_e	mb	4.6
RJOB	91.72		P	14:44:12.315		41.8		4.68		TAS		15.1	1.07	m_e	mb	5.3
WERD	90.04		P	14:44:03.892		41.8		4.68		TAS		4.5	0.56	m_e	mb	4.9
WERN	90.12		P	14:44:04.538		41.8		4.68		TAS		10.8	0.50	m_e	mb	5.3

Event 70613011 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/13	19:38:19.21			33.1920	90.8400				33.0			20		57.18	61.40	m i ke	BGR
OrigID 70613017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70613017
Ms	4.3		BGR	70613017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	61.40		L	20:17:28.431						T__		209.8	18.30	a_e	Ms	4.3

BRG	57.18	P	19:48:01.699	0.3	73.8	6.94	TAS	20.8	1.45	m_e	mb	5.0
BSEG	58.60	L	20:15:18.640				T__	361.5	19.80	a_e	Ms	4.5
CLL	57.65	P	19:48:04.743	-0.1	73.8	6.94	TAS	13.6	1.37	m_e	mb	4.8
CLL	57.65	L	20:16:55.392				T__	170.2	18.50	a_e	Ms	4.2
CLZ	59.10	P	19:48:15.059		73.8	6.94	TAS	24.5	1.24	m_e	mb	5.1
FLT1	58.46	P	19:48:09.816	0.7	73.8	6.94	TAS	15.5	1.11	m_e	mb	4.9
FUR	59.58	L	20:16:56.376				T__	267.5	19.80	a_e	Ms	4.4
GRA1	59.17	P	19:48:16.023		73.8	6.94	TAS	28.9	1.37	m_e	mb	5.1
GRA1	59.17	L	20:15:52.084				T__	250.9	20.20	a_e	Ms	4.3
GTTG	59.43	P	19:48:17.553		73.8	6.94	TAS	21.4	1.03	m_e	mb	5.1
GUNZ	58.30	P	19:48:09.589	-0.0	73.8	6.94	TAS	15.3	1.40	m_e	mb	4.8
MANZ	58.54	P	19:48:11.233	0.4	73.8	6.94	TAS	2.5	1.42	m_e	mb	4.0
MOX	58.67	P	19:48:11.914	0.2	73.8	6.94	TAS	9.9	1.25	m_e	mb	4.7
MOX	58.67	L	20:13:11.842				T__	132.8	21.70	a_e	Ms	4.0
NEUB	58.43	P	19:48:10.326	0.3	73.8	6.94	TAS	22.1	1.14	m_e	mb	5.1
NRDL	59.09	P	19:48:15.490		73.8	6.94	TAS	39.9	1.21	m_e	mb	5.3
PLN	58.38	P	19:48:09.958	-0.2	73.8	6.94	TAS	8.3	1.13	m_e	mb	4.7
RETH	59.46	P	19:48:17.468		73.8	6.94	TAS	7.8	1.21	m_e	mb	4.6
RJOB	58.72	P	19:48:12.622	-0.4	73.8	6.94	TAS	11.0	1.52	m_e	mb	4.7
ROTZ	58.54	P	19:48:11.658	0.1	73.8	6.94	TAS	5.1	1.28	m_e	mb	4.4
TNS	60.73	P	19:48:26.113		73.8	6.94	TAS	7.3	0.93	m_e	mb	4.5
TNS	60.73	L	20:17:23.969				T__	184.9	19.00	a_e	Ms	4.2
UBR	60.47	P	19:48:24.172		73.8	6.94	TAS	25.7	1.63	m_e	mb	5.0
WERD	58.30	P	19:48:09.419	0.4	73.8	6.94	TAS	9.1	1.24	m_e	mb	4.7
WERN	58.29	P	19:48:09.646	-0.7	73.8	6.94	TAS	13.7	1.40	m_e	mb	4.8
WET	58.28	P	19:48:09.731	-0.1	73.8	6.94	TAS	6.4	1.26	m_e	mb	4.5
WET	58.28	L	20:15:44.724				T__	245.0	21.20	a_e	Ms	4.3

Event 70613012 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/13	21:24:10.57			13.9010	-93.0460				33.0					86.57	89.71	m i ke	BGR
	70613018																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70613018
Ms	4.6		BGR	70613018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	87.14		L	22:15:55.636						T__		302.9	20.30	a_e	Ms	4.7
BSEG	86.57		L	22:15:22.797						T__		440.9	21.00	a_e	Ms	4.8
CLL	89.01		L	22:17:53.387						T__		193.9	21.60	a_e	Ms	4.5
FUR	89.05		L	22:15:19.572						T__		181.7	21.10	a_e	Ms	4.5
GRA1	88.50		P	21:36:59.446		280.2		5.07		TAS		21.8	1.64	m_e	mb	5.1
GRA1	88.50		L	22:14:06.682						T__		263.6	20.70	a_e	Ms	4.6
MOX	88.42		L	22:17:11.262						T__		268.2	20.50	a_e	Ms	4.6

TNS	86.64	L	22:12:59.905	T__	198.6	21.10	a_e	Ms	4.5
WET	89.71	L	22:14:42.485	T__	336.6	21.50	a_e	Ms	4.7

Event 70613013 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/13	23:36:43.57			35.4440	137.9060				33.0			15		80.99	85.25	m i ke	BGR
OrigID 70613019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70613019
Ms	3.6		BGR	70613019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.04		P	23:49:08.583		41.2		5.19		TAS		12.3	1.07	m_e	mb 5.1
BFO	85.25		P	23:49:15.185		41.2		5.19		TAS		9.4	1.08	m_e	mb 4.9
BUG	83.26		P	23:49:05.188		41.2		5.19		TAS		11.2	1.17	m_e	mb 5.0
CLL	81.02		P	23:48:52.957	-0.1	41.2		5.19		TAS		14.5	0.92	m_e	mb 5.0
CLZ	81.71		P	23:48:57.132	-0.8	41.2		5.19		TAS		9.3	0.99	m_e	mb 4.9
FBE	81.15		P	23:48:54.166	0.2	41.2		5.19		TAS		9.4	0.93	m_e	mb 4.8
FLT1	80.99		P	23:48:52.731	0.4	41.2		5.19		TAS		7.3	0.64	m_e	mb 4.9
GRA1	82.98		P	23:49:04.236		41.2		5.19		TAS		14.8	0.90	m_e	mb 5.2
GRA1	82.98		L	00:22:59.640						T__		29.9	18.90	a_e	Ms 3.7
GUNZ	82.00		P	23:48:58.563		41.2		5.19		TAS		4.5	0.68	m_e	mb 4.7
IBBN	82.39		P	23:49:00.903		41.2		5.19		TAS		21.3	0.81	m_e	mb 5.3
KAST	82.99		P	23:49:03.758		41.2		5.19		TAS		5.1	0.87	m_e	mb 4.8
MANZ	82.38		P	23:49:00.671		41.2		5.19		TAS		1.1	0.90	m_e	mb 4.0
MOX	82.10		L	00:20:02.200						T__		20.1	20.70	a_e	Ms 3.5
NEUB	81.62		P	23:48:56.280	-0.1	41.2		5.19		TAS		11.6	0.88	m_e	mb 5.0
RJOB	83.75		P	23:49:07.674		41.2		5.19		TAS		3.6	0.79	m_e	mb 4.7
WERN	82.04		P	23:48:58.804		41.2		5.19		TAS		4.9	0.62	m_e	mb 4.8
WET	82.67		P	23:49:02.252		41.2		5.19		TAS		3.2	1.00	m_e	mb 4.5

Event 70614004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	00:25:37.70			-18.2500	168.6600				10.0					140.65	146.00	m i ke	EMSC
OrigID 70614036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	70614010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	146.00	L	01:53:48.650			T__	953.6	19.50	a_e	Ms	5.6
BSEG	140.65	L	01:47:14.962			T__	525.0	22.00	a_e	Ms	5.2
CLL	141.79	L	01:51:35.583			T__	751.9	20.70	a_e	Ms	5.4
FUR	144.94	L	01:49:14.121			T__	677.7	20.50	a_e	Ms	5.4
GRA1	143.77	PKPbc	00:45:19.292	38.1	3.24	TAS			m_e		
GRA1	143.77	L	01:54:11.672			T__	819.7	19.70	a_e	Ms	5.5
MOX	142.86	L	01:51:56.641			T__	849.2	20.40	a_e	Ms	5.5
TNS	144.39	L	01:49:58.406			T__	690.7	20.80	a_e	Ms	5.4
WET	143.50	L	01:51:22.226			T__	501.1	20.10	a_e	Ms	5.3

Event 70614005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	05:30:10.80			-23.0300	170.2300				10.0					146.60	150.93	m i ke	EMSC
70614037																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	70614011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	146.97		PKPbc	05:49:55.270		39.4		1.68		TAS				m_e		
BFO	150.93		PKPbc	05:50:04.728		39.4		1.68		TAS				m_e		
BRG	146.65		PKPbc	05:49:54.269		39.4		1.68		TAS				m_e		
CLL	146.72		PKPbc	05:49:54.251		39.4		1.68		TAS				m_e		
CLZ	147.32		PKPbc	05:49:56.576		39.4		1.68		TAS				m_e		
FBE	146.87		PKPbc	05:49:55.045		39.4		1.68		TAS				m_e		
FLT1	146.60		PKPbc	05:49:54.052		39.4		1.68		TAS				m_e		
GRA1	148.69		PKPbc	05:49:59.512		39.4		1.68		TAS				m_e		
GUNZ	147.72		PKPbc	05:49:57.278		39.4		1.68		TAS				m_e		
IBBN	147.82		PKPbc	05:49:57.134		39.4		1.68		TAS				m_e		
KAST	148.54		PKPbc	05:49:59.210		39.4		1.68		TAS				m_e		
KAST	148.54		L	06:55:28.567						T__		85.0	20.60	a_e	Ms	4.5
MANZ	148.10		PKPbc	05:49:58.453		39.4		1.68		TAS				m_e		
MOX	147.79		PKPbc	05:49:57.304		39.4		1.68		TAS				m_e		
MOX	147.79		L	06:55:10.370						T__		84.9	18.30	a_e	Ms	4.6
NEUB	147.30		PKPbc	05:49:56.001		39.4		1.68		TAS				m_e		
NRDL	146.88		PKPbc	05:49:54.671		39.4		1.68		TAS				m_e		
PLN	147.69		PKPbc	05:49:57.189		39.4		1.68		TAS				m_e		
RETH	146.93		PKPbc	05:49:54.734		39.4		1.68		TAS				m_e		
RJOB	149.46		PKPbc	05:50:01.292		39.4		1.68		TAS				m_e		
ROTZ	148.22		PKPbc	05:49:58.765		39.4		1.68		TAS				m_e		
STU	150.24		PKPbc	05:50:03.727		39.4		1.68		TAS				m_e		
TANN	147.62		PKPbc	05:49:57.027		39.4		1.68		TAS				m_e		
TNS	149.34		PKPbc	05:50:01.185		39.4		1.68		TAS				m_e		
UBR	150.71		PKPbc	05:50:04.469		39.4		1.68		TAS				m_e		
WERD	147.66		PKPbc	05:49:57.188		39.4		1.68		TAS				m_e		

WERN	147.75	PKPbc	05:49:57.541	39.4	1.68	TAS	m_e
WET	148.39	PKPbc	05:49:59.243	39.4	1.68	TAS	m_e
WLF	150.61	PKPbc	05:50:04.982	39.4	1.68	TAS	m_e

Event 70614006 Off coast of Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	06:38:13.90			7.4660	-98.1550				33.0			23		93.50	97.85	m i ke	BGR
OrigID 70614012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70614012
Ms	5.3		BGR	70614012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	93.83		P	06:51:26.559	0.1	289.7		4.50		TAS		46.6	1.27	m_e mb	5.7
ASSE	95.49		P	06:51:34.578	-0.7	289.7		4.50		TAS		22.4	1.23	m_e mb	5.5
BFO	95.26		P	06:51:32.624	0.3	289.7		4.50		TAS		16.5	1.17	m_e mb	5.4
BFO	95.26		L	07:31:21.557						T__		1357.0	18.50	a_e Ms	5.5
BRG	97.85		P	06:51:44.872		289.7		4.50		TAS		9.7	1.01	m_e mb	5.5
BSEG	94.69		P	06:51:29.932	0.1	289.7		4.50		TAS		47.5	1.10	m_e mb	5.8
BSEG	94.69		L	07:30:40.075						T__		1235.3	19.40	a_e Ms	5.4
CLL	97.13		P	06:51:42.121		289.7		4.50		TAS				m_e	
CLL	97.13		L	07:32:08.351						T__		1325.7	21.60	a_e Ms	5.4
CLZ	95.41		P	06:51:34.312	-0.4	289.7		4.50		TAS		27.8	1.30	m_e mb	5.5
FBE	97.48		P	06:51:43.186		289.7		4.50		TAS		11.5	1.21	m_e mb	5.4
FLT1	95.75		P	06:51:35.076	0.6	289.7		4.50		TAS		21.6	1.21	m_e mb	5.6
FUR	97.18		L	07:30:53.293						T__		1314.9	20.70	a_e Ms	5.4
GRA1	96.63		L	07:22:32.596						T__		539.7	19.70	a_e Ms	5.0
GTTG	95.26		P	06:51:33.582	0.4	289.7		4.50		TAS		46.8	1.21	m_e mb	5.8
GUNZ	97.07		P	06:51:42.060		289.7		4.50		TAS		20.2	1.70	m_e mb	5.5
IBBN	93.73		P	06:51:26.838	-0.3	289.7		4.50		TAS		69.3	1.51	m_e mb	5.8
KAST	94.45		P	06:51:29.332	-0.8	289.7		4.50		TAS		28.2	1.19	m_e mb	5.5
MOX	96.55		P	06:51:38.331	0.4	289.7		4.50		TAS				m_e	
MOX	96.55		L	07:31:26.436						T__		1342.6	21.80	a_e Ms	5.4
NRDL	95.04		P	06:51:32.391	-0.7	289.7		4.50		TAS		31.4	1.31	m_e mb	5.6
PLN	96.93		P	06:51:40.476	-0.0	289.7		4.50		TAS				m_e	
RETH	94.53		P	06:51:30.137	-0.3	289.7		4.50		TAS		49.6	1.09	m_e mb	5.9
TANN	97.13		P	06:51:42.324		289.7		4.50		TAS		13.2	1.43	m_e mb	5.4
TNS	94.77		P	06:51:30.779	0.3	289.7		4.50		TAS		40.1	1.11	m_e mb	5.8
TNS	94.77		L	07:32:29.692						T__		1166.3	18.00	a_e Ms	5.4
UBR	96.59		P	06:51:39.098	-0.1	289.7		4.50		TAS		22.8	1.18	m_e mb	5.7
WERN	97.13		P	06:51:41.593		289.7		4.50		TAS		13.2	1.29	m_e mb	5.4
WET	97.84		P	06:51:44.956		289.7		4.50		TAS		15.9	1.37	m_e mb	5.6
WET	97.84		L	07:29:55.466						T__		768.4	21.20	a_e Ms	5.2
WLF	93.50		P	06:51:26.283	0.4	289.7		4.50		TAS		28.6	1.17	m_e mb	5.5

Event 70614007 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	07:10:03.95			34.5820	24.1620				10.0					16.63	21.67	m i ke	BGR
OrigID 70614013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	70614013
Ms	4.2		BGR	70614013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	18.10		P	07:14:16.532		138.9		11.12		TAS		9.6	1.28	m_e mb	3.8
BFO	18.10		L	07:31:21.593						T__		1357.0	18.50	a_e Ms	4.3
BRG	17.90		P	07:14:13.630		138.9		11.12		TAS		15.8	1.31	m_e mb	4.0
BSEG	21.67		P	07:14:53.259		138.9		11.12		TAS		26.3	1.25	m_e mb	4.5
CLL	18.57		L	07:32:08.329						T__		1325.7	21.60	a_e Ms	4.2
CLZ	19.91		P	07:14:35.018		138.9		11.12		TAS		32.1	1.75	m_e mb	4.3
FUR	16.63		L	07:30:53.293						T__		1314.9	20.70	a_e Ms	4.1
GRA1	17.85		P	07:14:13.226		138.9		11.12		TAS		73.7	1.23	m_e mb	4.7
GRA1	17.85		L	07:28:48.826						T__		1111.2	21.60	a_e Ms	4.1
MOX	18.48		L	07:31:26.429						T__		1342.6	21.80	a_e Ms	4.2
RETH	21.00		P	07:14:47.328		138.9		11.12		TAS		43.5	1.59	m_e mb	4.5
ROTZ	17.54		P	07:14:09.944		138.9		11.12		TAS		5.4	1.50	m_e mb	3.5
TNS	19.40		L	07:32:29.713						T__		1166.3	18.00	a_e Ms	4.2
UBR	16.80		P	07:14:02.433		138.9		11.12		TAS		20.6	1.10	m_e mb	4.2
WET	16.77		P	07:14:01.200		138.9		11.12		TAS		49.7	1.33	m_e mb	4.5
WET	16.77		L	07:29:34.268						T__		943.9	21.20	a_e Ms	4.0
WLF	20.06		P	07:14:39.959		138.9		11.12		TAS		42.6	1.07	m_e mb	4.6

Event 70614008 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/06/14	07:23:51.93			13.1880	-92.6410				33.0					21	85.67	90.04	m i ke	BGR
OrigID 70614014																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70614014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.01		P	07:36:28.737	-0.5	289.0		4.71		TAS		37.3	0.88	m_e mb	5.5
ASSE	87.70		P	07:36:37.104	0.3	289.0		4.71		TAS		22.5	1.30	m_e mb	5.3
BFO	87.41		P	07:36:34.013	0.4	289.0		4.71		TAS		12.8	1.12	m_e mb	5.0

BRG	90.04	P	07:36:48.413	289.0	4.71	TAS	11.7	1.09	m_e	mb	5.0
BSEG	86.92	P	07:36:32.539	-0.6 289.0	4.71	TAS	46.8	1.30	m_e	mb	5.5
CLZ	87.61	P	07:36:36.148	-0.5 289.0	4.71	TAS	19.4	1.15	m_e	mb	5.3
FLT1	87.96	P	07:36:37.453	-0.0 289.0	4.71	TAS	21.7	1.40	m_e	mb	5.3
GRA1	88.81	P	07:36:42.255	0.3 289.0	4.71	TAS	34.0	1.48	m_e	mb	5.4
GTTG	87.46	P	07:36:36.017	-0.2 289.0	4.71	TAS	44.1	1.30	m_e	mb	5.4
IBBN	85.93	P	07:36:29.119	0.5 289.0	4.71	TAS	39.0	1.11	m_e	mb	5.4
KAST	86.64	P	07:36:32.262	-0.5 289.0	4.71	TAS	27.9	1.29	m_e	mb	5.2
NRDL	87.25	P	07:36:33.999	-1.4 289.0	4.71	TAS	25.4	1.25	m_e	mb	5.2
PLN	89.11	P	07:36:43.355	289.0	4.71	TAS	10.8	1.09	m_e	mb	5.0
RETH	86.74	P	07:36:31.765	-0.1 289.0	4.71	TAS	54.3	1.19	m_e	mb	5.6
TANN	89.32	P	07:36:44.568	289.0	4.71	TAS	6.9	0.92	m_e	mb	4.9
TNS	86.94	P	07:36:33.055	0.4 289.0	4.71	TAS	39.1	1.07	m_e	mb	5.5
UBR	88.75	P	07:36:41.475	289.0	4.71	TAS	12.8	1.16	m_e	mb	5.0
WERD	89.22	P	07:36:43.865	289.0	4.71	TAS			m_e		
WERN	89.31	P	07:36:44.232	289.0	4.71	TAS	81.4	2.52	m_e	mb	5.5
WET	90.01	P	07:36:47.893	289.0	4.71	TAS	8.5	1.03	m_e	mb	4.9
WLF	85.67	P	07:36:28.155	0.7 289.0	4.71	TAS	40.2	1.24	m_e	mb	5.4

Event 70614009 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	07:29:01.01			14.8670	-90.0340				100.0			31		82.65	87.53	m i ke	BGR
	70614015																

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	70614015
MBB	6.9		BGR	70614015
Ms	6.6		BGR	70614015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.11	P		07:41:22.422	-0.7	288.1		4.95		TAS		654.4	1.93	m_e	mb	6.5
ASSE	84.84	P		07:41:31.739	0.1	288.1		4.95		TAS		241.0	1.40	m_e	mb	6.2
BFO	84.49	P		07:41:29.544	-0.3	288.1		4.95		TAS		136.5	1.30	m_e	mb	6.0
BFO	84.49	L		08:21:47.639						T__		39404.9	18.40	a_e	Ms	6.8
BRG	87.18	P		07:41:42.606		288.1		4.95		TAS		73.4	1.36	m_e	mb	5.6
BSEG	84.09	P		07:41:27.872	0.0	288.1		4.95		TAS		437.1	1.34	a_e	mb	6.5
BSEG	84.09	L		08:20:07.241						T__		27218.8	20.80	a_e	Ms	6.6
BUG	83.00	P		07:41:22.184	-0.3	288.1		4.95		TAS		162.1	1.07	m_e	mb	6.2
CLL	86.47	P		07:41:39.304	0.0	288.1		4.95		TAS		167.5	1.71	m_e	mb	5.9
CLL	86.47	L		08:20:53.281						T__		23314.4	21.40	a_e	Ms	6.6
CLZ	84.74	P		07:41:31.476	0.3	288.1		4.95		TAS		339.6	1.50	m_e	mb	6.4
CLZ	84.74	L		08:20:00.766						T__		29533.2	21.70	a_e	Ms	6.6
FLT1	85.11	P		07:41:32.463	0.1	288.1		4.95		TAS		256.2	1.22	m_e	mb	6.3
FUR	86.42	L		08:18:58.219						T__		26028.4	20.40	a_e	Ms	6.6
GRA1	85.91	P		07:41:37.372	-0.1	288.1		4.95		TAS		387.6	1.56	a_e	MBB	6.9

GRA1	85.91	L	08:16:33.306							T__	33370.2	21.50	a_e	Ms	6.7
GTTG	84.59	P	07:41:30.655	0.3	288.1		4.95			TAS	482.5	1.46	m_e	mb	6.5
GUNZ	86.38	P	07:41:39.253	0.0	288.1		4.95			TAS	175.7	1.42	m_e	mb	6.0
HLG	82.65	P	07:41:20.822	0.1	288.1		4.95			TAS			a_e		
IBBN	83.06	P	07:41:22.686	-0.1	288.1		4.95			TAS	521.4	1.66	m_e	mb	6.5
KAST	83.75	P	07:41:26.167	-0.1	288.1		4.95			TAS	276.6	1.54	m_e	mb	6.3
MANZ	86.36	P	07:41:39.266	0.2	288.1		4.95			TAS	33.6	1.54	m_e	mb	5.2
MOX	85.85	P	07:41:36.544	0.4	288.1		4.95			TAS	144.0	1.40	m_e	MBB	6.8
MOX	85.85	L	08:20:09.987							T__	23817.3	20.70	a_e	Ms	6.6
NEUB	85.78	P	07:41:36.322	0.3	288.1		4.95			TAS	186.4	1.28	a_e	mb	6.1
NRDL	84.40	P	07:41:29.672	0.3	288.1		4.95			TAS	248.1	1.33	a_e	mb	6.3
PLN	86.23	P	07:41:38.370	0.1	288.1		4.95			TAS	165.9	1.37	m_e	mb	6.0
RETH	83.89	P	07:41:27.272	0.4	288.1		4.95			TAS	776.0	1.55	a_e	mb	6.7
RJOB	87.53	P	07:41:44.824		288.1		4.95			TAS	95.2	1.47	m_e	mb	5.9
ROTZ	86.49	P	07:41:39.950		288.1		4.95			TAS	42.1	1.59	m_e	mb	5.3
STU	84.92	P	07:41:32.122	-0.5	288.1		4.95			TAS	698.3	1.50	a_e	mb	6.7
TANN	86.44	P	07:41:39.565	0.1	288.1		4.95			TAS	151.8	1.39	m_e	mb	5.9
TNS	84.04	P	07:41:27.922	0.2	288.1		4.95			TAS	503.8	1.53	m_e	mb	6.5
TNS	84.04	L	08:18:14.164							T__	15712.2	22.00	a_e	Ms	6.3
UBR	85.82	P	07:41:36.772	-0.1	288.1		4.95			TAS	213.9	1.23	a_e	mb	6.1
WERD	86.33	P	07:41:38.945	0.0	288.1		4.95			TAS	168.6	1.45	m_e	mb	6.0
WERN	86.43	P	07:41:39.644	-0.4	288.1		4.95			TAS	196.9	1.45	m_e	mb	6.0
WET	87.11	P	07:41:42.908		288.1		4.95			TAS	210.2	1.53	m_e	mb	6.0
WET	87.11	L	08:17:06.829							T__	23643.0	21.60	a_e	Ms	6.6
WLF	82.76	P	07:41:21.445	0.1	288.1		4.95			TAS	964.3	2.36	m_e	mb	6.6

Event 70614010 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	21:14:56.32			14.0900	-92.0650				33.0					85.69	88.96	m i ke	BGR
	70614016																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70614016
Ms	4.6		BGR	70614016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.64		P	21:27:36.338		280.1		5.25		TAS		7.0	1.06	m_e	mb	4.7
BFO	86.37		L	22:03:06.329						T__		294.2	21.10	a_e	Ms	4.7
BSEG	85.87		P	21:27:32.403		280.1		5.25		TAS		12.3	0.94	m_e	mb	5.0
BSEG	85.87		L	22:06:14.048						T__		354.6	20.80	a_e	Ms	4.7
CLL	88.28		L	22:06:29.388						T__		209.7	21.70	a_e	Ms	4.5
CLZ	86.56		P	21:27:35.959		280.1		5.25		TAS		9.3	0.97	m_e	mb	4.9
FUR	88.29		L	22:04:17.236						T__		254.6	20.60	a_e	Ms	4.6
GRA1	87.76		P	21:27:41.666		280.1		5.25		TAS				m_e		
GRA1	87.76		L	22:04:58.351						T__		260.6	21.00	a_e	Ms	4.6

MOX	87.68	L	22:07:52.597			T__	227.5	19.50	a_e	Ms	4.6
NRDL	86.20	P	21:27:34.067	280.1	5.25	TAS	81.7	2.42	m_e	mb	5.4
PLN	88.06	P	21:27:43.232	280.1	5.25	TAS	24.4	1.96	m_e	mb	5.2
RETH	85.69	P	21:27:31.692	280.1	5.25	TAS	13.6	0.89	m_e	mb	5.1
TNS	85.89	P	21:27:32.078	280.1	5.25	TAS	10.7	1.09	m_e	mb	4.9
TNS	85.89	L	22:03:18.241			T__	172.3	21.90	a_e	Ms	4.4
WERD	88.16	P	21:27:43.557	280.1	5.25	TAS	25.8	2.07	m_e	mb	5.2
WET	88.96	L	22:05:34.261			T__	403.1	21.00	a_e	Ms	4.8

Event 70615008 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/14	23:59:02.06			16.2680	-96.0510				33.0			30		85.43	90.23	m i ke	BGR
	70615014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70615014
Ms	5.0		BGR	70615014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.69		P	00:11:36.023	0.3	293.5		4.73		TAS		64.5	1.88	m_e	mb	5.4
ASSE	87.20		P	00:11:44.132	-0.4	293.5		4.73		TAS		22.1	1.08	m_e	mb	5.2
BFO	87.24		P	00:11:43.728	-0.1	293.5		4.73		TAS		15.2	1.39	m_e	mb	4.9
BFO	87.24		L	00:50:52.798						T__		872.5	21.50	a_e	Ms	5.1
BRG	89.58		P	00:11:55.195		293.5		4.73		TAS		29.6	1.34	m_e	mb	5.3
BSEG	86.30		P	00:11:39.832	0.2	293.5		4.73		TAS		24.8	1.07	m_e	mb	5.3
BSEG	86.30		L	00:46:12.797						T__		604.4	19.40	a_e	Ms	5.0
BUG	85.49		P	00:11:36.186	-0.9	293.5		4.73		TAS		56.9	1.67	m_e	mb	5.5
CLL	88.86		P	00:11:51.487	0.1	293.5		4.73		TAS		29.8	1.56	m_e	mb	5.3
CLL	88.86		L	00:56:49.212						T__		496.2	19.60	a_e	Ms	4.9
CLZ	87.14		P	00:11:44.236	-0.6	293.5		4.73		TAS		26.0	1.03	m_e	mb	5.3
FBE	89.22		P	00:11:53.836		293.5		4.73		TAS		48.9	1.66	a_e	mb	5.5
FLT1	87.44		P	00:11:44.836	0.5	293.5		4.73		TAS		30.9	1.42	a_e	mb	5.2
FUR	89.12		P	00:11:53.287		293.5		4.73		TAS		20.7	1.10	m_e	mb	5.3
FUR	89.12		L	00:54:48.066						T__		551.9	21.70	a_e	Ms	4.9
GRA1	88.48		P	00:11:50.723	-0.0	293.5		4.73		TAS		38.7	1.35	m_e	mb	5.6
GRA1	88.48		L	00:46:27.006						T__		812.5	21.90	a_e	Ms	5.1
GUNZ	88.86		P	00:11:51.967	0.1	293.5		4.73		TAS		23.0	1.21	m_e	mb	5.3
IBBN	85.47		P	00:11:35.894	0.2	293.5		4.73		TAS		137.3	2.30	m_e	mb	5.8
KAST	86.25		P	00:11:39.525	0.0	293.5		4.73		TAS		23.3	1.28	m_e	mb	5.2
MANZ	88.89		P	00:11:51.914	-0.2	293.5		4.73		TAS		4.5	1.22	m_e	mb	4.6
MOX	88.33		P	00:11:49.384	-0.5	293.5		4.73		TAS		19.4	1.21	m_e	mb	5.3
MOX	88.33		L	00:46:25.645						T__		691.0	20.50	a_e	Ms	5.1
NEUB	88.20		P	00:11:48.891	-0.1	293.5		4.73		TAS		35.8	1.37	m_e	mb	5.5
NRDL	86.74		P	00:11:41.991	0.4	293.5		4.73		TAS		23.7	1.16	m_e	mb	5.2
PLN	88.71		P	00:11:51.288	0.0	293.5		4.73		TAS		31.0	1.37	m_e	mb	5.4

RETH	86.23	P	00:11:39.799	-0.1	293.5	4.73	TAS	26.6	1.02	m_e	mb	5.3
RJOB	90.23	P	00:11:58.461		293.5	4.73	TAS	51.5	1.83	m_e	mb	5.5
ROTZ	89.04	P	00:11:52.944		293.5	4.73	TAS	4.4	1.27	m_e	mb	4.5
TANN	88.92	P	00:11:52.289	0.2	293.5	4.73	TAS	29.0	1.38	m_e	mb	5.3
TNS	86.62	P	00:11:41.586	0.1	293.5	4.73	TAS	20.1	0.91	m_e	mb	5.2
TNS	86.62	L	00:56:51.133				T__	678.4	20.40	a_e	Ms	5.0
UBR	88.59	P	00:11:50.743	-0.2	293.5	4.73	TAS	28.9	1.27	m_e	mb	5.4
WERD	88.82	P	00:11:51.634	0.1	293.5	4.73	TAS	29.7	1.40	m_e	mb	5.3
WERN	88.92	P	00:11:52.421	-0.0	293.5	4.73	TAS	36.1	1.36	m_e	mb	5.4
WET	89.69	P	00:11:56.160		293.5	4.73	TAS	33.7	1.27	m_e	mb	5.4
WET	89.69	L	00:46:17.802				T__	622.8	20.90	a_e	Ms	5.0
WLF	85.43	P	00:11:36.336	-0.0	293.5	4.73	TAS	166.1	2.06	a_e	mb	5.9

Event 70615009 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/15	00:26:14.80			-30.6600	-177.9100				20.0			25		156.12	161.92	m i ke	EMSC
	70615041																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	70615015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	157.64		PKPdf	00:46:07.874	1.2	23.3		0.99		TAS					m_e
BFO	161.72		PKPdf	00:46:11.666		23.3		0.99		TAS					m_e
BFO	161.72		L	02:01:12.014						T__	992.9	21.70		a_e	Ms 5.6
BRG	157.96		PKPdf	00:46:08.526	0.6	23.3		0.99		TAS					m_e
BRG	157.96		PKPab	00:46:42.792		23.3		0.99		TAS					m_e
CLL	157.84		PKPdf	00:46:07.830	0.7	23.3		0.99		TAS					m_e
CLL	157.84		PKPab	00:46:41.931		23.3		0.99		TAS					m_e
CLL	157.84		L	02:00:00.303						T__	1007.9	22.00		a_e	Ms 5.6
CLZ	157.97		PKPdf	00:46:08.541	0.3	23.3		0.99		TAS					m_e
CLZ	157.97		PKPab	00:46:43.058		23.3		0.99		TAS					m_e
FBE	158.09		PKPdf	00:46:09.489	0.1	23.3		0.99		TAS					m_e
FBE	158.09		PKPab	00:46:43.765		23.3		0.99		TAS					m_e
FLT1	157.33		PKPdf	00:46:07.593	-0.1	23.3		0.99		TAS					m_e
FUR	161.16		PKPdf	00:46:12.038		23.3		0.99		TAS					m_e
FUR	161.16		PKPab	00:46:56.636		23.3		0.99		TAS					m_e
FUR	161.16		L	02:00:08.613						T__	813.7	21.30		a_e	Ms 5.5
GOR1	156.69		PKPdf	00:46:07.249	-0.4	23.3		0.99		TAS					m_e
GRA1	159.78		L	02:00:24.144						T__	1293.9	20.80		a_e	Ms 5.8
GTTG	158.33		PKPab	00:46:44.599		23.3		0.99		TAS					m_e
GUNZ	158.87		PKPdf	00:46:09.904	0.7	23.3		0.99		TAS					m_e
HLG	156.12		L	01:58:36.423						T__	1535.4	21.90		a_e	Ms 5.8
IBBN	157.97		PKPdf	00:46:09.904	0.5	23.3		0.99		TAS					m_e
IBBN	157.97		PKPab	00:46:42.821		23.3		0.99		TAS					m_e



GRA1	90.14	L	04:00:23.045							T__	71.2	20.80	a_e	Ms	4.1
GTTG	89.93	P	03:23:34.198	61.2		4.66				TAS	16.2	1.10	m_e	mb	5.2
GUNZ	89.19	P	03:23:30.497	0.1	61.2	4.66				TAS	6.0	0.95	m_e	mb	4.8
IBBN	90.72	P	03:23:37.679		61.2	4.66				TAS	26.5	0.93	m_e	mb	5.6
KAST	90.94	P	03:23:38.761		61.2	4.66				TAS	10.7	1.20	m_e	mb	5.1
MOX	89.46	P	03:23:31.528	0.1	61.2	4.66				TAS	6.0	1.11	m_e	mb	4.7
MOX	89.46	L	04:12:39.238							T__	54.5	20.30	a_e	Ms	4.0
NRDL	89.38	P	03:23:31.731	0.1	61.2	4.66				TAS	20.2	1.12	m_e	mb	5.3
PLN	89.23	P	03:23:30.352	-0.1	61.2	4.66				TAS	6.7	1.17	m_e	mb	4.8
RETH	89.66	P	03:23:32.593	-0.2	61.2	4.66				TAS	18.6	0.96	m_e	mb	5.3
RGN	86.72	P	03:23:18.515	-0.5	61.2	4.66				TAS	84.7	1.33	m_e	mb	5.7
RJOB	90.14	P	03:23:35.014		61.2	4.66				TAS	6.9	1.04	m_e	mb	4.8
ROTZ	89.54	P	03:23:32.195	-0.1	61.2	4.66				TAS	2.0	1.23	m_e	mb	4.2
TNS	91.43	P	03:23:41.067		61.2	4.66				TAS	15.1	1.30	m_e	mb	5.2
UBR	91.76	P	03:23:42.545		61.2	4.66				TAS	16.1	1.37	m_e	mb	5.2
WERN	89.20	P	03:23:30.460	0.3	61.2	4.66				TAS	6.4	1.05	m_e	mb	4.8
WLF	92.98	P	03:23:48.692		61.2	4.66				TAS	35.8	1.16	m_e	mb	5.7

Event 70615011 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/15	16:53:35.90			-17.7500	-178.6000				542.0					146.18	147.17	m i ke	EMSC
70615043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.1		BGR	70615017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	147.17		PKPbc	17:12:19.032		17.4		1.93		TAS				m_e		
GRA1	147.17		L	18:21:30.214						T__	28.3	20.60		a_e	Ms	4.0
MOX	146.18		L	18:34:45.417						T__	33.2	18.10		a_e	Ms	4.2

Event 70615012 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/15	19:23:54.64			35.0530	6.7520				33.0					13.32	19.05	m i ke	BGR
70615018																	

Magnitude	Err	Nsta	Author	OrigID
Ms	2.8		BGR	70615018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	13.32		L	19:31:48.525						T__	43.6	21.20		a_e	Ms	2.5

BSEG	19.05	L	19:37:23.169			T__	45.8	21.10	a_e	Ms	2.8
CLL	16.86	L	19:33:08.956			T__	49.8	20.50	a_e	Ms	2.7
FUR	13.53	L	19:32:34.183			T__	148.8	18.40	a_e	Ms	3.1
GRA1	14.99	P	19:27:29.810	191.9	12.12	TAS	13.2	1.45	m_e		
GRA1	14.99	L	19:33:55.935			T__	74.8	18.90	a_e	Ms	2.8
MOX	15.98	L	19:33:20.304			T__	59.0	19.40	a_e	Ms	2.8
TNS	15.21	L	19:32:45.912			T__	80.0	19.00	a_e	Ms	2.9
WET	14.79	L	19:33:26.692			T__	157.8	19.00	a_e	Ms	3.2

Event 70616005 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/16	23:42:46.56			37.0760	22.4800				33.0			13		13.80	18.84	m i ke	BGR
70616011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70616011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	15.29	P		23:46:24.848		143.0		11.51		TAS		13.5	0.86	m_e		
BRG	15.08	P		23:46:21.811		143.0		11.51		TAS				m_e		
BSEG	18.84	P		23:47:02.813		143.0		11.51		TAS		57.0	0.87	m_e	mb	4.8
BUG	17.97	P		23:46:55.903		143.0		11.51		TAS		34.0	1.11	m_e	mb	4.4
CLL	15.75	P		23:46:29.480		143.0		11.51		TAS		96.6	0.75	m_e	mb	5.0
FBE	15.30	P		23:46:24.848		143.0		11.51		TAS		81.5	1.09	m_e		
FLT1	17.19	P		23:46:44.666		143.0		11.51		TAS		8.8	0.82	m_e	mb	3.9
FUR	13.80	P		23:46:07.991		143.0		11.51		TAS				m_e		
GRA1	15.01	P		23:46:21.735		143.0		11.51		TAS				m_e		
GUNZ	15.15	P		23:46:23.709		143.0		11.51		TAS				m_e		
MANZ	14.92	P		23:46:20.368		143.0		11.51		TAS				m_e		
MOX	15.64	P		23:46:28.568		143.0		11.51		TAS		18.8	1.10	m_e	mb	4.1
NEUB	16.05	P		23:46:33.808		143.0		11.51		TAS		99.2	1.22	m_e	mb	4.8
RETH	18.16	P		23:46:57.270		143.0		11.51		TAS		50.8	1.32	m_e	mb	4.5
ROTZ	14.70	P		23:46:18.470		143.0		11.51		TAS				m_e		
RUE	16.57	P		23:46:38.667	-0.4	143.0		11.51		TAS		49.5	1.01	m_e	mb	4.6
STU	15.18	P		23:46:24.392		143.0		11.51		TAS				m_e		
TANN	15.15	P		23:46:23.101		143.0		11.51		TAS				m_e		
TNS	16.57	P		23:46:39.730		143.0		11.51		TAS		26.7	0.82	m_e	mb	4.4
UBR	13.98	P		23:46:10.497		143.0		11.51		TAS				m_e		
WERD	15.23	P		23:46:24.013		143.0		11.51		TAS		38.3	1.38	m_e		
WET	13.94	P		23:46:09.510		143.0		11.51		TAS				m_e		

Event 70622001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/22	02:41:56.53			45.6320	149.3540				33.0			35		73.45	81.49	m i k e	BGR
70622007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70622007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	76.34		P	02:53:40.488	-0.2	29.0		5.69		TAS		378.5	2.29	a_e	mb	6.1
BALST	81.49		P	02:54:07.998		29.0		5.69		TAS		176.2	1.32	m_e	mb	5.9
BFO	80.41		P	02:54:02.888		29.0		5.69		TAS		65.5	1.46	a_e	mb	5.4
BRG	76.43		P	02:53:40.788	0.1	29.0		5.69		TAS		89.2	1.21	a_e	mb	5.8
BSEG	74.85		P	02:53:32.038	0.1	29.0		5.69		TAS		160.4	1.46	a_e	mb	5.8
BUG	77.92		P	02:53:49.088	1.2	29.0		5.69		TAS		196.1	1.42	a_e	mb	6.0
CLL	76.35		P	02:53:40.038	0.1	29.0		5.69		TAS		177.8	0.63	a_e	mb	6.3
CLZ	76.68		P	02:53:42.738	-0.1	29.0		5.69		TAS		198.1	1.13	a_e	mb	6.1
FBE	76.58		P	02:53:41.838	0.1	29.0		5.69		TAS		228.0	1.41	m_e	mb	6.1
FLT1	76.00		P	02:53:37.938	-0.1	29.0		5.69		TAS		275.4	1.48	a_e	mb	6.2
FUR	79.65		P	02:53:59.138		29.0		5.69		TAS		228.3	1.41	a_e	mb	5.9
GEC2	78.26		P	02:53:51.288	-0.4	29.0		5.69		TAS		43.9	0.65	a_e	mb	5.7
GOR1	75.40		P	02:53:35.388	0.3	29.0		5.69		TAS		413.3	1.45	a_e	mb	6.3
GRA1	78.32		P	02:53:51.938		29.0		5.69		TAS		171.4	1.08	a_e	mb	6.1
GTTG	77.06		P	02:53:44.688	0.3	29.0		5.69		TAS		169.3	1.39	a_e	mb	6.0
GUNZ	77.38		P	02:53:46.438	-0.1	29.0		5.69		TAS		64.9	0.83	a_e	mb	5.8
HLG	75.30		P	02:53:34.538	0.1	29.0		5.69		TAS		119.5	0.60	a_e	mb	6.1
IBBN	77.01		P	02:53:44.088	-0.3	29.0		5.69		TAS		117.4	0.82	a_e	mb	6.1
KAST	77.82		P	02:53:48.838	-0.5	29.0		5.69		TAS		126.5	1.39	a_e	mb	5.9
MANZ	77.78		P	02:53:48.538	-0.1	29.0		5.69		TAS		23.3	1.35	a_e	mb	5.1
MOX	77.36		P	02:53:46.188	0.3	29.0		5.69		TAS		363.9	2.23	a_e	mb	6.1
NEUB	76.83		P	02:53:42.888	0.0	29.0		5.69		TAS		173.2	0.99	a_e	mb	6.1
NRDL	76.18		P	02:53:39.488	0.3	29.0		5.69		TAS		80.0	1.07	a_e	mb	5.8
RETH	76.18		P	02:53:39.488	0.1	29.0		5.69		TAS		193.9	1.24	a_e	mb	6.1
RGN	73.45		P	02:53:23.938	-0.1	29.0		5.69		TAS		254.5	1.23	a_e	mb	6.2
RJOB	79.53		P	02:53:58.788		29.0		5.69		TAS		56.5	1.15	a_e	mb	5.4
ROTZ	77.94		P	02:53:49.788	-0.7	29.0		5.69		TAS		16.6	0.77	a_e	mb	5.2
RUE	75.10		P	02:53:33.338	-0.0	29.0		5.69		TAS		276.4	1.23	a_e	mb	6.2
SLE	80.87		P	02:54:05.183	-0.6	29.0		5.69		TAS		124.8	1.91	m_e	mb	5.6
STU	79.76		P	02:53:59.388		29.0		5.69		TAS		336.2	1.55	a_e	mb	6.0
SULZ	81.19		P	02:54:06.609	-1.1	29.0		5.69		TAS		151.6	1.35	m_e	mb	5.8
TANN	77.30		P	02:53:45.938	0.0	29.0		5.69		TAS		139.4	1.78	a_e	mb	5.8
TNS	78.68		P	02:53:53.638		29.0		5.69		TAS		86.5	1.23	a_e	mb	5.6
UBR	80.44		P	02:54:03.338		29.0		5.69		TAS		125.0	1.75	a_e	mb	5.6
WERD	77.32		P	02:53:46.038	0.4	29.0		5.69		TAS		56.5	0.90	a_e	mb	5.7
WERN	77.44		P	02:53:46.788	0.4	29.0		5.69		TAS		80.6	0.82	a_e	mb	5.9
WET	78.27		P	02:53:51.738		29.0		5.69		TAS		165.9	1.30	a_e	mb	6.0
WILA	81.05		P	02:54:06.063	-0.8	29.0		5.69		TAS		89.1	1.47	m_e	mb	5.6
WLF	79.83		P	02:54:01.536		29.0		5.69		TAS		202.0	1.86	m_e	mb	5.7

Event 70622002 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/22	02:49:00.74			38.6500	25.4790				33.0			23		12.95	18.47	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	70622008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	16.98		P	02:52:56.167		132.0		11.30		TAS		14.2	1.31	m_e mb	3.9
BFO	15.73		P	02:52:43.240	-1.0	132.0		11.30		TAS		10.8	0.85	m_e mb	4.0
BRG	14.69		P	02:52:31.116	-0.3	132.0		11.30		TAS		12.8	1.13	m_e	
BSEG	18.47		P	02:53:12.719		132.0		11.30		TAS		101.6	1.63	m_e mb	4.7
BUG	18.08		P	02:53:11.863	-3.7	132.0		11.30		TAS		57.1	1.37	m_e	
CLL	15.40		P	02:52:38.920	0.4	132.0		11.30		TAS		11.0	1.02	m_e	
CLZ	16.90		P	02:52:56.823		132.0		11.30		TAS		35.4	1.42	m_e	
FLT1	16.89		P	02:52:55.550	-0.4	132.0		11.30		TAS		21.7	1.22	m_e	
GEC2	13.26		P	02:52:16.549	0.7	132.0		11.30		TAS		28.3	1.28	m_e	
GOR1	17.36		P	02:53:01.137		132.0		11.30		TAS		25.1	1.16	m_e	
GRA1	15.02		P	02:52:35.910	-0.8	132.0		11.30		TAS		35.0	1.10	m_e	
GUNZ	14.98		P	02:52:34.322	0.1	132.0		11.30		TAS		22.1	1.00	m_e	
IBBN	18.39		P	02:53:13.491	-3.7	132.0		11.30		TAS		82.4	1.47	m_e	
KAST	17.37		P	02:53:01.622		132.0		11.30		TAS		17.4	1.19	m_e	
MOX	15.50		P	02:52:40.165	-0.2	132.0		11.30		TAS		24.4	1.09	m_e	
NRDL	17.48		P	02:53:03.163		132.0		11.30		TAS		16.3	1.13	m_e	
RETH	17.97		P	02:53:08.079		132.0		11.30		TAS		63.3	2.00	m_e	
RJOB	12.95		P	02:52:11.165	-1.0	132.0		11.30		TAS		5.9	0.71	m_e	
ROTZ	14.61		P	02:52:31.118	0.6	132.0		11.30		TAS		4.0	1.06	m_e	
TANN	14.96		P	02:52:34.866	0.1	132.0		11.30		TAS		11.2	1.09	m_e	
TNS	16.74		P	02:52:55.485	0.3	132.0		11.30		TAS		26.3	1.04	m_e	
UBR	14.38		P	02:52:26.409	0.1	132.0		11.30		TAS		8.0	0.83	m_e	
WERD	15.05		P	02:52:35.820	1.3	132.0		11.30		TAS		16.0	1.13	m_e	
WERN	14.90		P	02:52:33.863	-0.7	132.0		11.30		TAS		15.2	0.92	m_e	
WET	13.86		P	02:52:23.253	0.6	132.0		11.30		TAS		25.3	1.06	m_e	

Event 70622003 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/22	04:10:30.38			34.6750	72.5280				205.8	4.0		34		44.74	49.83	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID



Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	70622013
MBB	6.7		BGR	70622013
Ms	6.8		BGR	70622013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.20		P	12:43:29.421	-0.3	286.4		4.91		TAS		67.4	1.21	m_e	MBB	6.8
AHRW	84.20		PP	12:46:45.890	-0.9	288.7		8.36		TAS				a_e		
ASSE	85.97		S	12:54:03.565	-0.1	286.8		8.27		TAS				a_e		
ASSE	85.97		P	12:43:38.836	0.3	286.4		4.91		TAS		55.5	1.03	m_e	MBB	6.6
ASSE	85.97		PP	12:47:00.690	0.1	288.7		8.36		TAS				a_e		
BFO	85.53		S	12:53:59.615	-0.5	286.8		8.27		TAS				a_e		
BFO	85.53		P	12:43:35.145	-1.1	286.4		4.91		TAS		49.0	1.12	m_e	MBB	6.6
BRG	88.30		S	12:54:23.815		286.8		8.27		TAS				a_e		
BRG	88.30		P	12:43:50.333	0.4	286.4		4.91		TAS		46.9	1.47	m_e	MBB	6.8
BRG	88.30		PP	12:47:20.340		288.7		8.36		TAS				a_e		
BSEG	85.27		S	12:53:57.215	0.2	286.8		8.27		TAS				a_e		
BSEG	85.27		P	12:43:34.134	-0.9	286.4		4.91		TAS		98.1	1.24	m_e	MBB	6.9
BSEG	85.27		PP	12:46:54.440	-0.2	288.7		8.36		TAS				m_e		
BUG	84.11		P	12:43:29.582	0.3	286.4		4.91		TAS		22.5	1.00	m_e	MBB	6.8
BUG	84.11		PP	12:46:45.640	-0.2	288.7		8.36		TAS				a_e		
CLL	87.60		S	12:54:17.715		286.8		8.27		TAS				a_e		
CLL	87.60		P	12:43:46.476	-0.0	286.4		4.91		TAS		446.2	2.75	m_e	MBB	6.9
CLL	87.60		PP	12:47:14.540	-0.4	288.7		8.36		TAS				a_e		
CLZ	85.87		S	12:54:03.615	1.0	286.8		8.27		TAS				a_e		
CLZ	85.87		P	12:43:38.103	0.1	286.4		4.91		TAS		93.3	1.11	m_e	MBB	6.7
CLZ	85.87		PP	12:47:00.640	-0.5	288.7		8.36		TAS				a_e		
FBE	87.93		P	12:43:48.437	0.3	286.4		4.91		TAS		79.5	1.36	m_e	MBB	6.4
FLT1	86.25		S	12:54:05.215	1.0	286.8		8.27		TAS				a_e		
FLT1	86.25		P	12:43:39.931	0.1	286.4		4.91		TAS		64.9	0.97	m_e	MBB	6.7
FLT1	86.25		PP	12:47:02.940	0.3	288.7		8.36		TAS				a_e		
FUR	87.47		S	12:54:16.965	1.0	286.8		8.27		TAS				a_e		
FUR	87.47		P	12:43:45.651	-0.1	286.4		4.91		TAS		64.9	1.09	m_e	MBB	6.7
FUR	87.47		PP	12:47:15.540	0.2	288.7		8.36		TAS				a_e		
GEC2	88.80		S	12:54:23.824		286.8		8.27		TAS				m_e		
GEC2	88.80		P	12:43:51.877	-0.5	286.4		4.91		TAS		26.9	1.14	m_e	MBB	6.7
GEC2	88.80		PP	12:47:24.940		288.7		8.36		TAS				a_e		
GOR1	86.10		P	12:43:39.452	0.3	286.4		4.91		TAS		98.1	1.30	m_e	MBB	6.8
GOR1	86.10		PP	12:47:01.940	-0.3	288.7		8.36		TAS				a_e		
GRA1	86.99		S	12:54:13.765	1.6	286.8		8.27		TAS				a_e		
GRA1	86.99		P	12:43:44.002	0.5	286.4		4.91		TAS		85.2	1.00	m_e	mb	5.8
GRA1	86.99		PP	12:47:10.990	0.3	288.7		8.36		TAS				a_e		
GRA1	86.99		L	13:19:52.781						T__		43899.0	19.60	a_e	Ms	6.9
GTTG	85.71		S	12:54:02.665	-1.3	286.8		8.27		TAS				a_e		
GTTG	85.71		P	12:43:37.223	0.0	286.4		4.91		TAS		105.5	1.07	m_e	MBB	6.7
GTTG	85.71		PP	12:46:59.490	0.3	288.7		8.36		TAS				a_e		
GUNZ	87.48		P	12:43:45.672	-0.2	286.4		4.91		TAS		64.8	1.06	m_e	MBB	6.1
HLG	83.82		PP	12:46:42.690	0.2	288.7		8.36		TAS				a_e		

IBBN	84.19	S	12:53:48.765	-1.1	286.8	8.27	TAS			a_e		
IBBN	84.19	P	12:43:29.950	0.2	286.4	4.91	TAS	51.8	1.08	m_e	MBB	6.9
IBBN	84.19	PP	12:46:46.390	0.1	288.7	8.36	TAS			a_e		
KAST	84.86	S	12:53:54.965	-0.6	286.8	8.27	TAS			a_e		
KAST	84.86	P	12:43:33.534	0.5	286.4	4.91	TAS	49.1	1.45	m_e	MBB	6.8
KAST	84.86	PP	12:46:52.540	0.4	288.7	8.36	TAS			a_e		
MANZ	87.46	S	12:54:18.165	-0.4	286.8	8.27	TAS			a_e		
MANZ	87.46	P	12:43:46.141	0.4	286.4	4.91	TAS	11.4	1.02	m_e	MBB	6.1
MANZ	87.46	PP	12:47:14.240	0.0	288.7	8.36	TAS			a_e		
MOX	86.96	S	12:54:13.465	1.4	286.8	8.27	TAS			a_e		
MOX	86.96	P	12:43:43.924	0.6	286.4	4.91	TAS	46.2	1.01	m_e	MBB	6.7
MOX	86.96	PP	12:47:10.190	0.7	288.7	8.36	TAS			a_e		
MOX	86.96	L	13:24:27.707				T_	31391.4	18.40	a_e	Ms	6.8
NEUB	86.90	S	12:54:11.815	0.3	286.8	8.27	TAS			a_e		
NEUB	86.90	P	12:43:43.600	0.6	286.4	4.91	TAS	57.8	1.10	m_e	MBB	6.7
NEUB	86.90	PP	12:47:08.890	0.5	288.7	8.36	TAS			a_e		
NRDL	85.54	S	12:54:00.065	-0.7	286.8	8.27	TAS			m_e		
NRDL	85.54	P	12:43:36.132	-0.2	286.4	4.91	TAS	65.4	1.12	m_e	MBB	6.8
NRDL	85.54	PP	12:46:57.440	0.5	288.7	8.36	TAS			a_e		
RETH	85.04	P	12:43:33.593	-0.3	286.4	4.91	TAS	106.7	1.12	m_e	MBB	6.9
RETH	85.04	PP	12:46:52.840	-0.2	288.7	8.36	TAS			a_e		
RGN	86.78	S	12:54:11.715	1.0	286.8	8.27	TAS			a_e		
RGN	86.78	PP	12:47:07.140	0.2	288.7	8.36	TAS			a_e		
RJOB	88.57	S	12:54:24.315		286.8	8.27	TAS			a_e		
RJOB	88.57	P	12:43:51.551	0.3	286.4	4.91	TAS	31.9	1.16	m_e	MBB	6.8
RJOB	88.57	PP	12:47:23.490		288.7	8.36	TAS			a_e		
ROTZ	87.58	S	12:54:19.215		286.8	8.27	TAS			a_e		
ROTZ	87.58	P	12:43:45.672	-0.7	286.4	4.91	TAS	12.2	1.16	m_e	MBB	6.3
ROTZ	87.58	PP	12:47:15.340	-0.3	288.7	8.36	TAS			a_e		
RUE	87.69	S	12:54:17.965		286.8	8.27	TAS			a_e		
RUE	87.69	PP	12:47:14.590	-0.5	288.7	8.36	TAS			a_e		
STU	85.97	S	12:54:03.765	1.0	286.8	8.27	TAS			a_e		
STU	85.97	P	12:43:38.921	0.5	286.4	4.91	TAS	142.9	1.05	m_e	MBB	7.1
STU	85.97	PP	12:47:01.540	-0.3	288.7	8.36	TAS			a_e		
TANN	87.54	S	12:54:18.665	-3.9	286.8	8.27	TAS			a_e		
TANN	87.54	P	12:43:45.995	-0.2	286.4	4.91	TAS	64.5	1.06	m_e	MBB	6.9
TANN	87.54	PP	12:47:14.590	-0.3	288.7	8.36	TAS			a_e		
TNS	85.12	S	12:53:58.365	0.6	286.8	8.27	TAS			a_e		
TNS	85.12	P	12:43:34.304	-0.0	286.4	4.91	TAS	82.9	1.40	m_e	MBB	6.8
TNS	85.12	PP	12:46:54.640	0.0	288.7	8.36	TAS			a_e		
UBR	86.85	S	12:54:12.565	1.6	286.8	8.27	TAS			a_e		
UBR	86.85	P	12:43:43.214	0.5	286.4	4.91	TAS	94.3	1.01	m_e	MBB	6.7
UBR	86.85	PP	12:47:09.840	-0.1	288.7	8.36	TAS			a_e		
WERD	87.44	P	12:43:45.411	-0.3	286.4	4.91	TAS	60.9	1.11	m_e	MBB	6.1
WERN	87.53	P	12:43:46.229	0.1	286.4	4.91	TAS	68.5	1.09	m_e	MBB	6.4
WET	88.19	S	12:54:23.615		286.8	8.27	TAS			a_e		
WET	88.19	P	12:43:48.625	-0.8	286.4	4.91	TAS	65.7	1.18	m_e	MBB	6.9
WET	88.19	PP	12:47:20.040		288.7	8.36	TAS			a_e		
WLF	83.82	P	12:43:28.021	0.1	286.4	4.91	TAS	71.9	1.26	m_e	MBB	6.9

WLF 83.82 PP 12:46:43.890 -0.1 288.7 8.36 TAS a\_e

## Event 70622008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/22	17:14:42.57			-16.2910	-173.8450				138.8	8.4		29		143.74	148.53	m i ke	BGR
OrigID 70622014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABG1	145.03		PKPbc	17:34:01.869		9.0		2.94		TAS				m_e	
ASSE	144.07		PKPbc	17:33:58.561	-0.0	9.0		2.94		TAS				m_e	
BFO	148.00		PKPbc	17:34:10.268		9.0		2.94		TAS				m_e	
BRG	144.94		PKPbc	17:34:01.395	0.4	9.0		2.94		TAS				m_e	
BUG	144.92		PKPbc	17:34:01.366	0.2	9.0		2.94		TAS				m_e	
CHRS	144.57		PKPbc	17:34:00.317		9.0		2.94		TAS				m_e	
CLL	144.64		PKPbc	17:34:00.185	-0.1	9.0		2.94		TAS				m_e	
CLL	144.64		pPKPbc	17:34:34.666	-0.3					T__				m_e	
CLZ	144.38		PKPbc	17:33:59.907	0.4	9.0		2.94		TAS				m_e	
FBE	144.97		PKPbc	17:34:01.895	0.2	9.0		2.94		TAS				m_e	
FLT1	143.82		PKPbc	17:33:57.244	0.3	9.0		2.94		TAS				m_e	
FUR	147.94		PKPbc	17:34:09.948		9.0		2.94		TAS				m_e	
GEC2	146.95		PKPbc	17:34:07.156		9.0		2.94		TAS				m_e	
GRA1	146.43		PKPbc	17:34:06.151	-0.4	9.0		2.94		TAS				m_e	
GRA1	146.43		pPKPbc	17:34:43.295						T__				m_e	
GRZ1	145.34		PKPbc	17:34:03.037		9.0		2.94		TAS				m_e	
GTTG	144.70		PKPbc	17:34:01.149	0.1	9.0		2.94		TAS				m_e	
GUNZ	145.65		PKPbc	17:34:03.864	0.5	9.0		2.94		TAS				m_e	
GUNZ	145.65		pPKPbc	17:34:40.481						T__				m_e	
HWTS	145.52		PKPbc	17:34:03.144		9.0		2.94		TAS				m_e	
HWTS	145.52		pPKPbc	17:34:39.482						T__				m_e	
IBBN	144.04		PKPbc	17:33:58.649	-0.2	9.0		2.94		TAS				m_e	
KAST	145.13		PKPbc	17:34:01.979	0.0	9.0		2.94		TAS				m_e	
MANZ	146.05		PKPbc	17:34:04.678	0.3	9.0		2.94		TAS				m_e	
MLFH	145.26		PKPbc	17:34:02.186		9.0		2.94		TAS				m_e	
MODW	145.06		PKPbc	17:34:02.090		9.0		2.94		TAS				m_e	
MOX	145.45		PKPbc	17:34:03.001	0.3	9.0		2.94		TAS				m_e	
MULD	145.59		pPKPbc	17:34:39.901						T__				m_e	
NEUB	144.89		PKPbc	17:34:01.469	0.0	9.0		2.94		TAS				m_e	
NRDL	143.74		PKPbc	17:33:57.174	0.5	9.0		2.94		TAS				m_e	
RJOB	148.17		PKPbc	17:34:10.668		9.0		2.94		TAS				m_e	
ROTZ	146.25		PKPbc	17:34:05.668	-0.3	9.0		2.94		TAS				m_e	
SCHF	145.33		PKPbc	17:34:02.854		9.0		2.94		TAS				m_e	
STU	147.51		PKPbc	17:34:09.396		9.0		2.94		TAS				m_e	
TANN	145.58		PKPbc	17:34:03.518	0.4	9.0		2.94		TAS				m_e	

TANN	145.58	pPKPbc	17:34:41.360							T__								m_e
TNS	146.10	PKPbc	17:34:05.266	-0.3	9.0		2.94			TAS								m_e
TRIB	145.68	PKPbc	17:34:03.970		9.0		2.94			TAS								m_e
UBR	148.53	PKPbc	17:34:11.486		9.0		2.94			TAS								m_e
WERD	145.57	PKPbc	17:34:03.250	0.4	9.0		2.94			TAS								m_e
WERN	145.72	PKPbc	17:34:03.913	0.1	9.0		2.94			TAS								m_e
WET	146.78	PKPbc	17:34:06.971		9.0		2.94			TAS								m_e
WIMM	144.59	PKPbc	17:34:00.139		9.0		2.94			TAS								m_e
WLF	146.71	PKPbc	17:34:07.521	-0.6	9.0		2.94			TAS								m_e

## Event 70623001 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/22	23:59:01.80			39.3300	141.7800				60.0				12	81.23	81.23	m i ke	EMSC
70623033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70623007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.23		P	00:11:12.229	2.3	36.6		3.84		TAS		5.9	1.01	m_e mb	4.6

## Event 70623005 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/23	20:08:14.56			50.3630	177.9050				33.0					79.68	79.68	m i ke	BGR
70623011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70623011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.68		P	20:20:17.228		13.9		4.75		TAS		7.3	1.22	m_e mb	4.5

## Event 70623006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/23	21:33:28.00			-23.3000	-176.6300				80.0				16	148.96	155.08	m i ke	EMSC
70623038																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	150.68		PKPdf	21:53:09.403	0.6	15.8		1.58		TAS					m_e	
BFO	154.71		PKPdf	21:53:19.270		15.8		1.58		TAS					m_e	
BRG	151.27		PKPdf	21:53:11.839		15.8		1.58		TAS					m_e	
BSEG	148.96		PKPdf	21:53:07.076	-0.5	15.8		1.58		TAS					m_e	
CLL	151.06		PKPdf	21:53:11.832		15.8		1.58		TAS					m_e	
CLL	151.06		pPKPdf	21:53:48.259						T__					m_e	
CLZ	151.00		PKPdf	21:53:11.031	1.4	15.8		1.58		TAS					m_e	
CLZ	151.00		pPKPdf	21:53:45.001						T__					m_e	
FBE	151.36		PKPdf	21:53:12.429		15.8		1.58		TAS					m_e	
FBE	151.36		pPKPdf	21:53:48.724						T__					m_e	
FLT1	150.40		PKPdf	21:53:09.635	0.5	15.8		1.58		TAS					m_e	
GEC2	153.22		PKPdf	21:53:14.053		15.8		1.58		TAS					m_e	
GEC2	153.22		pPKPdf	21:53:52.679						T__					m_e	
GOR1	149.74		PKPdf	21:53:10.333	-1.3	15.8		1.58		TAS					m_e	
GRA1	152.94		pPKPdf	21:53:51.516						T__					m_e	
GUNZ	152.09		PKPdf	21:53:13.857		15.8		1.58		TAS					m_e	
KAST	151.87		PKPdf	21:53:13.691	0.1	15.8		1.58		TAS					m_e	
MOX	151.96		pPKPdf	21:53:48.026						T__					m_e	
NRDL	150.40		PKPdf	21:53:10.101	-0.2	15.8		1.58		TAS					m_e	
RETH	150.25		PKPdf	21:53:09.635	-0.7	15.8		1.58		TAS					m_e	
UBR	155.08		PKPdf	21:53:14.897		15.8		1.58		TAS					m_e	
WERD	152.02		PKPdf	21:53:14.211		15.8		1.58		TAS					m_e	
WERD	152.02		pPKPdf	21:53:49.887						T__					m_e	
WERN	152.16		PKPdf	21:53:15.917		15.8		1.58		TAS					m_e	
WERN	152.16		pPKPdf	21:53:50.353						T__					m_e	

Event 70624001 Mozambique

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2017/06/24	02:37:28.64			-18.8330	35.3120				33.0			34		69.28	75.59	m i ke	BGR
70624007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70624007
Ms	5.0		BGR	70624007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.42		P	02:48:59.026	0.1	156.0		6.01		TAS		139.3	0.98	a_e mb	6.1
ASSE	73.85		P	02:49:02.276	-0.5	156.0		6.01		TAS		132.5	1.32	a_e mb	5.8
BFO	71.08		P	02:48:45.376	-0.1	156.0		6.01		TAS		31.7	0.82	a_e mb	5.5
BRG	71.90		P	02:48:50.076	-0.2	156.0		6.01		TAS		26.3	0.94	a_e mb	5.3
BSEG	75.59		P	02:49:12.026	-0.1	156.0		6.01		TAS		130.2	1.06	a_e mb	6.0
BUG	74.16		P	02:49:04.126	0.3	156.0		6.01		TAS		189.0	0.98	a_e mb	6.1

CLL	72.53	P	02:48:54.026	0.1	156.0	6.01	TAS	113.1	1.23	a_e	mb	5.9
CLZ	73.67	P	02:49:01.176	0.0	156.0	6.01	TAS	69.7	1.22	a_e	mb	5.6
FBE	72.09	P	02:48:51.326	-0.0	156.0	6.01	TAS		1.12	a_e		
FLT1	73.90	P	02:49:02.026	0.1	156.0	6.01	TAS	91.2	1.21	a_e	mb	5.7
FUR	70.08	P	02:48:39.676	0.2	156.0	6.01	TAS	267.2	0.87	a_e	mb	6.4
GEC2	70.07	P	02:48:39.326	-0.2	156.0	6.01	TAS	76.9	0.93	a_e	mb	5.8
GOR1	74.49	P	02:49:06.276	0.2	156.0	6.01	TAS		1.08	a_e		
GRA1	71.49	P	02:48:48.176	0.2	156.0	6.01	TAS	235.5	0.93	a_e	mb	6.3
GRA1	71.49	L	03:23:37.166				T__	851.6	19.20	a_e	Ms	5.0
GTTG	73.51	P	02:49:00.276	0.3	156.0	6.01	TAS	142.2	1.18	m_e	mb	5.9
GUNZ	71.82	P	02:48:50.632	1.5	156.0	6.01	TAS		1.00	m_e		
IBBN	74.79	P	02:49:07.876	-0.3	156.0	6.01	TAS	96.0	0.96	a_e	mb	5.8
KAST	73.62	P	02:49:01.076	0.1	156.0	6.01	TAS	114.9	1.06	a_e	mb	5.8
MOX	72.26	P	02:48:52.626	-0.2	156.0	6.01	TAS	77.3	0.92	a_e	mb	5.8
NEUB	72.72	P	02:48:55.526	-0.0	156.0	6.01	TAS	102.9	1.05	a_e	mb	5.9
NRDL	74.33	P	02:49:05.376	0.3	156.0	6.01	TAS	63.6	1.13	a_e	mb	5.6
RETH	74.75	P	02:49:07.776	0.0	156.0	6.01	TAS		1.19	a_e		
RGN	75.47	P	02:49:11.526	-0.6	156.0	6.01	TAS	245.7	1.12	a_e	mb	6.1
RJOB	69.28	P	02:48:33.926	-0.8	156.0	6.01	TAS	65.9	0.92	a_e	mb	5.9
ROTZ	71.30	P	02:48:46.776	-0.1	156.0	6.01	TAS	42.2	1.07	a_e	mb	5.5
RUE	73.44	P	02:48:59.726	0.1	156.0	6.01	TAS	222.5	1.13	a_e	mb	6.2
STU	71.22	P	02:48:46.526	0.2	156.0	6.01	TAS	428.8	1.01	a_e	mb	6.5
TNS	72.73	P	02:48:55.426	-0.1	156.0	6.01	TAS	104.6	0.91	a_e	mb	6.0
UBR	69.97	P	02:48:38.676	-0.1	156.0	6.01	TAS	240.3	1.04	a_e	mb	6.3
WERD	71.90	P	02:48:50.726	-0.4	156.0	6.01	TAS		1.08	a_e		
WERN	71.74	P	02:48:50.553	1.1	156.0	6.01	TAS		0.92	m_e		
WET	70.55	P	02:48:41.876	-0.5	156.0	6.01	TAS	62.6	1.17	a_e	mb	5.6
WLF	72.93	P	02:48:56.376	-0.5	156.0	6.01	TAS	71.6	0.82	a_e	mb	5.8

Event 70624002 Zimbabwe

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/24	02:39:34.36			-17.3700	30.4600			33.0				24		66.71	73.09	m i ke	BGR
	70624008																

Magnitude Err Nsta Author  
mb 5.2 BGR

OrigID  
70624008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	70.68	P		02:50:47.104	0.4	160.5		6.21		TAS		65.0	1.35	m_e	mb 5.6
ASSE	71.32	P		02:50:50.682	0.1	160.5		6.21		TAS		34.9	1.44	m_e	mb 5.3
BSEG	73.09	P		02:51:01.617	0.1	160.5		6.21		TAS		29.4	1.20	m_e	mb 5.3
BUG	71.46	P		02:50:52.139	-0.0	160.5		6.21		TAS		24.4	1.04	m_e	mb 5.3
CLL	70.07	P		02:50:43.185	-0.4	160.5		6.21		TAS		11.4	1.11	m_e	mb 4.9
CLZ	71.11	P		02:50:49.627	0.0	160.5		6.21		TAS		4.9	0.89	m_e	mb 4.6
FLT1	71.39	P		02:50:51.380	-0.4	160.5		6.21		TAS		12.7	1.04	m_e	mb 5.0

FUR	67.45	P	02:50:27.423	0.1	160.5	6.21	TAS	130.8	1.42	m_e	mb	6.0
GEC2	67.58	P	02:50:28.398		160.5	6.21	TAS	15.3	1.07	m_e	mb	5.2
GOR1	72.00	P	02:50:56.268	0.7	160.5	6.21	TAS		1.14	m_e		
GRA1	68.90	P	02:50:37.400		160.5	6.21	TAS	26.6	0.96	m_e	mb	5.4
GTTG	70.92	P	02:50:49.018	-0.4	160.5	6.21	TAS	17.2	0.97	m_e	mb	5.1
GUNZ	69.31	P	02:50:38.915	-0.5	160.5	6.21	TAS		0.85	m_e		
KAST	70.96	P	02:50:49.053	-0.1	160.5	6.21	TAS	22.2	1.20	m_e	mb	5.2
MOX	69.72	P	02:50:41.042	0.5	160.5	6.21	TAS	34.1	1.31	m_e	mb	5.3
NRDL	71.78	P	02:50:54.172	-0.1	160.5	6.21	TAS	32.5	1.39	m_e	mb	5.3
RETH	72.17	P	02:50:56.266	-0.4	160.5	6.21	TAS		1.15	m_e		
RJOB	66.71	P	02:50:22.017		160.5	6.21	TAS	28.6	1.29	m_e	mb	5.3
ROTZ	68.76	P	02:50:35.924	-0.2	160.5	6.21	TAS	4.8	1.05	m_e	mb	4.7
TNS	70.04	P	02:50:43.890	-0.8	160.5	6.21	TAS	31.0	1.18	m_e	mb	5.3
UBR	67.27	P	02:50:25.952		160.5	6.21	TAS	27.9	1.09	m_e	mb	5.4
WERD	69.39	P	02:50:39.954	1.0	160.5	6.21	TAS		0.98	m_e		
WERN	69.22	P	02:50:38.952	0.2	160.5	6.21	TAS		1.10	m_e		
WET	68.03	P	02:50:30.440		160.5	6.21	TAS	30.2	1.35	m_e	mb	5.4

Event 70624005 Southern Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/24	16:09:12.20			-15.4700	-73.2900			80.0	10.0			30		94.97	100.11	m i ke	EMSC
	70624037																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	95.80		Pdiff	16:22:27.801	-1.0					T__				m_e	
ASSE	98.41		Pdiff	16:22:41.761	0.2					T__				m_e	
ASSE	98.41		pPdiff	16:23:06.927						T__				m_e	
BFO	95.95		pPdiff	16:22:54.496						T__				m_e	
BRG	100.11		Pdiff	16:22:48.509						T__				m_e	
BRG	100.11		pPdiff	16:23:14.353						T__				m_e	
BSEG	98.64		Pdiff	16:22:41.994	1.4					T__				m_e	
BSEG	98.64		pPdiff	16:23:08.316						T__				m_e	
BUG	96.18		Pdiff	16:22:30.593	0.0					T__				m_e	
BUG	96.18		pPdiff	16:22:55.972						T__				m_e	
CLL	99.63		pPdiff	16:23:11.929						T__				m_e	
CLZ	98.15		Pdiff	16:22:40.365	0.1					T__				m_e	
CLZ	98.15		pPdiff	16:23:05.467						T__				m_e	
FBE	99.76		Pdiff	16:22:47.811						T__				m_e	
FBE	99.76		pPdiff	16:23:12.733						T__				m_e	
FLT1	98.79		Pdiff	16:22:41.994	-0.5					T__				m_e	
FLT1	98.79		pPdiff	16:23:07.990						T__				m_e	
FUR	97.80		Pdiff	16:22:38.038	0.8					T__				m_e	
GEC2	99.53		Pdiff	16:22:45.019						T__				m_e	

GEC2	99.53	pPdiff	16:23:10.917																T__	m_e
GRA1	98.14	Pdiff	16:22:40.365	0.7															T__	m_e
GRA1	98.14	pPdiff	16:23:05.127																T__	m_e
GTTG	97.83	Pdiff	16:22:38.969	0.5															T__	m_e
GTTG	97.83	pPdiff	16:23:04.435																T__	m_e
GUNZ	99.00	Pdiff	16:22:43.622	-0.6															T__	m_e
GUNZ	99.00	pPdiff	16:23:09.663																T__	m_e
IBBN	96.72	Pdiff	16:22:32.687	0.6															T__	m_e
IBBN	96.72	pPdiff	16:22:59.368																T__	m_e
KAST	96.81	Pdiff	16:22:33.385	0.3															T__	m_e
KAST	96.81	pPdiff	16:22:59.604																T__	m_e
MOX	98.62	Pdiff	16:22:41.706	-0.5															T__	m_e
MOX	98.62	pPdiff	16:23:07.952																T__	m_e
NEUB	98.85	Pdiff	16:22:43.390	0.0															T__	m_e
NRDL	98.16	Pdiff	16:22:40.598	-1.9															T__	m_e
NRDL	98.16	pPdiff	16:23:05.095																T__	m_e
RETH	97.78	Pdiff	16:22:38.736	0.6															T__	m_e
RETH	97.78	pPdiff	16:23:04.382																T__	m_e
RJOB	98.69	Pdiff	16:22:41.994	0.4															T__	m_e
RJOB	98.69	pPdiff	16:23:07.938																T__	m_e
ROTZ	98.78	Pdiff	16:22:42.692	-0.9															T__	m_e
ROTZ	98.78	pPdiff	16:23:08.590																T__	m_e
STU	96.62	pPdiff	16:22:57.691																T__	m_e
TNS	96.55	Pdiff	16:22:32.222	-0.1															T__	m_e
TNS	96.55	pPdiff	16:22:57.793																T__	m_e
UBR	96.92	Pdiff	16:22:33.618	-0.6															T__	m_e
UBR	96.92	pPdiff	16:22:59.462																T__	m_e
WERD	99.00	Pdiff	16:22:43.157	0.6															T__	m_e
WERD	99.00	pPdiff	16:23:09.191																T__	m_e
WERN	99.01	Pdiff	16:22:44.455	-0.9															T__	m_e
WERN	99.01	pPdiff	16:23:09.701																T__	m_e
WET	99.07	Pdiff	16:22:43.157	-0.3															T__	m_e
WLF	94.97	Pdiff	16:22:25.242	0.4															T__	m_e

Event 70624006 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/24	20:37:04.20			18.9380	122.4270				33.0					88.68	88.68	m i ke	BGR
70624012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70624012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.68		P	20:49:53.701		66.1		4.49		TAS		2.9	0.98	m_e mb	4.5

Event 70624008 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/24	22:02:14.80			36.0000	139.4400				33.0			32		79.99	85.41	m i ke	BGR
OrigID 70624014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70624014
Ms	4.9		BGR	70624014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.15		P	22:14:42.093	-0.0	40.0		5.11		TAS		82.8	1.25	a_e mb	5.8
ASSE	81.50		P	22:14:29.243	0.3	40.0		5.11		TAS		43.8	1.48	a_e mb	5.4
BFO	85.41		P	22:14:49.243	0.2	40.0		5.11		TAS				a_e	
BRG	81.12		P	22:14:27.043	0.0	40.0		5.11		TAS		28.5	1.26	a_e mb	5.2
BSEG	80.25		P	22:14:22.693	0.0	40.0		5.11		TAS		85.5	1.24	a_e mb	5.5
BUG	83.36		P	22:14:38.843	-0.7	40.0		5.11		TAS		33.6	1.08	a_e mb	5.5
CLL	81.19		P	22:14:27.093	0.2	40.0		5.11		TAS		75.2	1.19	a_e mb	5.6
CLZ	81.84		P	22:14:31.393	0.1	40.0		5.11		TAS		81.6	1.29	a_e mb	5.7
FBE	81.33		P	22:14:28.443	-0.4	40.0		5.11		TAS		95.8	1.39	a_e mb	5.6
FLT1	81.13		P	22:14:26.693	-0.1	40.0		5.11		TAS		79.5	1.26	a_e mb	5.6
FUR	84.31		P	22:14:43.893	0.3	40.0		5.11		TAS		81.5	1.34	a_e mb	5.8
GEC2	82.74		P	22:14:35.393	-0.0	40.0		5.11		TAS		37.2	1.59	a_e mb	5.4
GOR1	80.59		P	22:14:24.743	-0.1	40.0		5.11		TAS		117.6	1.34	a_e mb	5.7
GRA1	83.15		P	22:14:38.293	0.2	40.0		5.11		TAS		80.3	1.28	a_e mb	5.8
GRA1	83.15		PP	22:17:42.808						T__				m_e	
GRA1	83.15		L	22:52:32.116						T__		460.5	19.50	a_e Ms	4.9
GTTG	82.23		P	22:14:33.193	0.0	40.0		5.11		TAS		59.4	1.42	a_e mb	5.5
GUNZ	82.18		P	22:14:32.893	0.1	40.0		5.11		TAS		46.1	1.36	a_e mb	5.4
IBBN	82.49		P	22:14:34.443	-0.8	40.0		5.11		TAS		111.5	1.34	a_e mb	5.8
KAST	83.11		P	22:14:37.793	-0.4	40.0		5.11		TAS		53.1	1.37	a_e mb	5.6
MOX	82.26		P	22:14:33.293	-0.8	40.0		5.11		TAS		26.1	1.28	a_e mb	5.2
NEUB	81.78		P	22:14:30.443	-0.1	40.0		5.11		TAS		92.2	1.19	a_e mb	5.8
NRDL	81.44		P	22:14:29.143	-0.5	40.0		5.11		TAS		34.3	1.42	a_e mb	5.2
RETH	81.54		P	22:14:29.443	0.1	40.0		5.11		TAS		95.5	1.33	a_e mb	5.8
RJOB	83.97		P	22:14:42.293	-0.1	40.0		5.11		TAS		32.8	1.14	a_e mb	5.5
ROTZ	82.68		P	22:14:35.743	0.4	40.0		5.11		TAS		28.0	1.84	m_e mb	5.2
RUE	79.99		P	22:14:21.143	0.1	40.0		5.11		TAS		156.3	1.79	a_e mb	5.6
STU	84.71		P	22:14:45.743	-0.1	40.0		5.11		TAS				a_e	
TNS	83.87		P	22:14:41.743	0.3	40.0		5.11		TAS		39.0	1.30	a_e mb	5.5
UBR	85.18		P	22:14:48.093		40.0		5.11		TAS		14.2	1.19	a_e mb	5.1
WERD	82.13		P	22:14:32.543	0.1	40.0		5.11		TAS				a_e	
WERN	82.22		P	22:14:33.143	0.3	40.0		5.11		TAS		52.6	1.46	a_e mb	5.5
WET	82.87		P	22:14:36.593	-0.3	40.0		5.11		TAS		29.1	1.44	a_e mb	5.3
WLF	85.21		P	22:14:48.693	0.5	40.0		5.11		TAS				a_e	

Event 70625001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/25	00:18:59.14			-22.8300	-176.4310				33.0			26		149.81	153.73	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABG1	151.05		PKPbc	00:38:48.921	0.1	15.4		2.24		TAS					m_e
ASSE	150.24		PKPbc	00:38:47.535	0.0	15.4		2.24		TAS					m_e
BBWF	151.62		PKPbc	00:38:49.465		15.4		2.24		TAS					m_e
BRG	150.86		PKPbc	00:38:48.571	0.3	15.4		2.24		TAS					m_e
CHRS	150.73		PKPbc	00:38:48.143	-0.2	15.4		2.24		TAS					m_e
CLL	150.64		PKPbc	00:38:47.871	-0.2	15.4		2.24		TAS					m_e
CLZ	150.56		PKPbc	00:38:48.152	-0.1	15.4		2.24		TAS					m_e
FBE	150.94		PKPbc	00:38:48.882	0.1	15.4		2.24		TAS					m_e
FLT1	149.96		PKPbc	00:38:46.662	0.0	15.4		2.24		TAS					m_e
GRA1	152.52		PKPbc	00:38:51.266		15.4		2.24		TAS					m_e
GRZ1	151.38		PKPbc	00:38:49.582	0.6	15.4		2.24		TAS					m_e
GTTG	150.91		PKPbc	00:38:48.539	0.1	15.4		2.24		TAS					m_e
GUNZ	151.67		PKPbc	00:38:50.627		15.4		2.24		TAS					m_e
HKWD	151.24		PKPbc	00:38:49.426	0.3	15.4		2.24		TAS					m_e
KAST	151.43		PKPbc	00:38:50.014		15.4		2.24		TAS					m_e
MODW	151.09		PKPbc	00:38:48.804	0.1	15.4		2.24		TAS					m_e
MULD	151.61		PKPbc	00:38:50.243		15.4		2.24		TAS					m_e
NEUB	150.98		PKPbc	00:38:48.614	-0.1	15.4		2.24		TAS					m_e
NRDL	149.96		PKPbc	00:38:46.507	-0.1	15.4		2.24		TAS					m_e
POSS	150.99		PKPbc	00:38:48.610	0.1	15.4		2.24		TAS					m_e
RETH	149.81		PKPbc	00:38:45.994	-0.1	15.4		2.24		TAS					m_e
SCHF	151.36		PKPbc	00:38:49.737	-0.9	15.4		2.24		TAS					m_e
STU	153.73		PKPbc	00:38:55.523		15.4		2.24		TAS					m_e
TAUT	151.19		PKPbc	00:38:49.543	-0.7	15.4		2.24		TAS					m_e
WERD	151.60		PKPbc	00:38:50.243		15.4		2.24		TAS					m_e
WIMM	150.71		PKPbc	00:38:48.143	0.0	15.4		2.24		TAS					m_e

Event 70625002 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/25	03:01:58.80			-9.6200	66.1300				10.0					76.00	76.00	m i ke	EMSC

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 70625008  
Ms 4.3 BGR 70625008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.00		P	03:13:42.628		123.7		6.76		TAS		9.4	1.29	m_e	mb 4.8
GRA1	76.00		L	03:35:41.540						T__		157.4	20.70	a_e	Ms 4.3

Event 70625003 Near south coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/25	06:17:14.93			35.7790	139.5570				33.0					83.39	83.39	m i ke	BGR
OrigID 70625009																	

Magnitude Err Nsta Author OrigID  
mb 4.9 BGR 70625009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.39		P	06:29:37.706		45.9		4.53		TAS		9.4	1.20	m_e	mb 4.9

Event 70625005 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/25	08:47:06.34			51.6340	-171.6220				33.0					79.02	79.02	m i ke	BGR
OrigID 70625011																	

Magnitude Err Nsta Author OrigID  
mb 4.7 BGR 70625011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.02		P	08:59:05.422		4.1		4.89		TAS		8.5	1.00	m_e	mb 4.7

Event 70625007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/25	17:42:30.10			-19.4300	-176.5600				40.0					149.17	149.17	m i ke	EMSC
OrigID 70625039																	

Magnitude Err Nsta Author OrigID  
Ms 6.0 BGR 70625013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.17		PKP	18:02:12.503		14.4		1.97		TAS				m_e	
GRA1	149.17		L	19:06:02.322						T__		2430.7	22.00	a_e Ms	6.0

Event 70625009 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/25	23:30:38.83			36.3200	71.0300				216.2	2.4		13		42.75	47.85	m i ke	BGR
	70625015																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70625015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.13		P	23:38:48.221		85.1		7.80		TAS		48.5	1.06	a_e mb	5.5
ASSE	44.72		P	23:38:30.021	0.1	85.1		7.80		TAS		12.8	0.85	a_e mb	5.1
ASSE	44.72		PcP	23:40:08.240		85.7		3.21		TAS				m_e	
BFO	46.66		P	23:38:44.724		85.1		7.80		TAS		30.2	1.27	m_e mb	5.2
BFO	46.66		pP	23:39:31.509	0.6					T__				m_e	
BFO	46.66		PcP	23:40:14.755		85.7		3.21		TAS				m_e	
BRG	42.75		P	23:38:14.871	-0.3	85.1		7.80		TAS		63.0	0.69	a_e mb	5.7
BSEG	44.83		P	23:38:31.571	0.1	85.1		7.80		TAS		78.5	0.81	a_e mb	5.9
BSEG	44.83		pP	23:39:17.747	0.6					T__				m_e	
BUG	46.89		P	23:38:47.321		85.1		7.80		TAS		64.7	1.05	a_e mb	5.6
BUG	46.89		PcP	23:40:15.918		85.7		3.21		TAS				m_e	
BUG	46.89		PP	23:40:40.402						T__				m_e	
CLL	43.32		P	23:38:18.921	0.0	85.1		7.80		TAS		36.6	0.83	a_e mb	5.3
CLZ	44.93		P	23:38:32.071	0.3	85.1		7.80		TAS		45.5	0.96	a_e mb	5.6
CLZ	44.93		PcP	23:40:09.403		85.7		3.21		TAS				m_e	
FBE	43.12		P	23:38:18.071	-0.7	85.1		7.80		TAS		68.7	0.78	a_e mb	5.6
FLT1	44.36		P	23:38:26.971	0.8	85.1		7.80		TAS		118.9	0.69	a_e mb	6.0
FUR	44.73		P	23:38:30.621	0.4	85.1		7.80		TAS		51.6	0.67	a_e mb	5.8
FUR	44.73		pP	23:39:17.694	0.6					T__				m_e	
GEC2	43.05		P	23:38:17.121	-0.1	85.1		7.80		TAS		21.2	0.94	a_e mb	5.1
GOR1	44.28		P	23:38:27.021	-0.6	85.1		7.80		TAS		118.6	1.21	a_e mb	5.8
GOR1	44.28		PP	23:40:14.029						T__				m_e	
GRA1	44.59		P	23:38:30.121	0.9	85.1		7.80		TAS		43.8	0.79	a_e mb	5.5
GRA1	44.59		pP	23:39:16.435	0.6					T__				m_e	
GRA1	44.59		PcP	23:40:08.240		85.7		3.21		TAS				m_e	
GRA1	44.59		PP	23:40:17.074						T__				m_e	
GTTG	45.20		P	23:38:34.371	0.1	85.1		7.80		TAS		88.3	0.79	a_e mb	5.9
GTTG	45.20		PP	23:40:23.093						T__				m_e	
GUNZ	43.81		P	23:38:23.421	-0.1	85.1		7.80		TAS		32.7	0.90	a_e mb	5.4
GUNZ	43.81		pP	23:39:10.227	0.6					T__				m_e	
GUNZ	43.81		PcP	23:40:05.913	0.6	85.7		3.21		TAS				m_e	
IBBN	46.49		P	23:38:44.221		85.1		7.80		TAS		86.3	0.83	a_e mb	5.9

KAST	46.20	P	23:38:41.766	-1.1	85.1	7.80	TAS	10.9	1.02	m_e	mb	4.9
KAST	46.20	PcP	23:40:13.126		85.7	3.21	TAS			m_e		
MOX	44.24	P	23:38:26.771	0.3	85.1	7.80	TAS	36.0	0.77	m_e	mb	5.5
MOX	44.24	PcP	23:40:06.844	0.1	85.7	3.21	TAS			m_e		
NEUB	44.10	P	23:38:25.371	0.0	85.1	7.80	TAS	72.4	0.82	a_e	mb	5.7
NRDL	45.04	P	23:38:33.171	0.1	85.1	7.80	TAS	60.8	0.91	a_e	mb	5.7
NRDL	45.04	pP	23:39:19.582	0.6			T__			m_e		
RETH	45.48	P	23:38:36.421	0.0	85.1	7.80	TAS	35.6	0.96	a_e	mb	5.5
RETH	45.48	PcP	23:40:12.196		85.7	3.21	TAS			m_e		
ROTZ	43.94	P	23:38:24.871	-0.3	85.1	7.80	TAS	10.7	1.11	a_e	mb	4.8
ROTZ	43.94	pP	23:39:11.439	0.6			T__			m_e		
RUE	42.80	P	23:38:14.804	-0.5	85.1	7.80	TAS	77.2	0.75	m_e	mb	5.7
SKMB	45.31	pP	23:39:21.091	0.6			T__			m_e		
STU	46.02	P	23:38:40.521	-0.1	85.1	7.80	TAS	111.2	0.85	a_e	mb	6.0
STU	46.02	PcP	23:40:13.359		85.7	3.21	TAS			m_e		
TNS	46.30	P	23:38:42.871		85.1	7.80	TAS	37.4	1.20	a_e	mb	5.4
TNS	46.30	pP	23:39:29.877	0.6			T__			m_e		
TNS	46.30	PcP	23:40:13.359		85.7	3.21	TAS			m_e		
UBR	45.58	P	23:38:36.621	0.1	85.1	7.80	TAS	71.2	0.65	a_e	mb	5.9
WERD	43.82	P	23:38:23.371	0.5	85.1	7.80	TAS	34.0	0.93	a_e	mb	5.4
WERD	43.82	PcP	23:40:05.913	-0.5	85.7	3.21	TAS			m_e		
WERN	43.79	P	23:38:23.321	0.0	85.1	7.80	TAS	21.4	1.02	a_e	mb	5.1
WET	43.57	P	23:38:21.271	0.1	85.1	7.80	TAS	9.6	0.84	a_e	mb	4.8
WET	43.57	pP	23:39:07.861	0.6			T__			m_e		
WET	43.57	PcP	23:40:05.215	-0.1	85.7	3.21	TAS			m_e		
WLF	47.85	P	23:38:55.231		85.1	7.80	TAS	64.9	0.92	m_e	mb	5.5

Event 70626002 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/26	04:11:32.68			37.5960	72.1440				33.0					44.55	44.55	m i ke	BGR
	70626008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70626008
Ms	4.1		BGR	70626008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	44.55		P	04:19:40.531		88.6		7.09		TAS		20.8	1.15	m_e	mb	5.0
GRA1	44.55		L	04:39:53.610						T__		215.7	20.30	a_e	Ms	4.1

Event 70626003 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2017/06/26 04:22:16.55 69.6430 -16.6980 10.0 24.06 24.06 m i ke BGR  
 70626009

Magnitude Err Nsta Author OrigID  
 mb 4.5 BGR 70626009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
 GRA1 24.06 P 04:27:31.343 335.0 9.12 TAS 27.7 1.73 m\_e mb 4.5

Event 70627001 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2017/06/27 00:14:38.03 -24.6700 -176.0300 140.2 3.1 29 150.39 156.14 m i ke BGR  
 70627007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	154.06		PKPbc	00:34:19.947	0.4	12.6		2.24		TAS				m_e	
AHRW	154.06		PKPab	00:34:33.674		13.8		4.34		TAS				m_e	
ASSE	152.11		PKPdf	00:34:09.709	0.5	10.8		1.39		TAS				m_e	
ASSE	152.11		PKPbc	00:34:16.457	-0.2	12.6		2.24		TAS				m_e	
BFO	156.14		PKPab	00:34:42.749		13.8		4.34		TAS				m_e	
BRG	152.73		PKPdf	00:34:10.640	-0.2	10.8		1.39		TAS				m_e	
BRG	152.73		PKPbc	00:34:17.620	0.6	12.6		2.24		TAS				m_e	
BRG	152.73		pPKPbc	00:34:54.998						T__				m_e	
BSEG	150.39		PKPbc	00:34:12.501	-0.4	12.6		2.24		TAS				m_e	
BUG	153.15		PKPdf	00:34:10.873	0.9	10.8		1.39		TAS				m_e	
BUG	153.15		PKPbc	00:34:18.551	-0.4	12.6		2.24		TAS				m_e	
BUG	153.15		PKPab	00:34:29.952		13.8		4.34		TAS				m_e	
CLL	152.51		PKPdf	00:34:10.407	-0.1	10.8		1.39		TAS				m_e	
CLL	152.51		PKPbc	00:34:17.387	0.6	12.6		2.24		TAS				m_e	
CLZ	152.43		PKPdf	00:34:10.407	-0.0	10.8		1.39		TAS				m_e	
CLZ	152.43		PKPbc	00:34:16.457	-0.4	12.6		2.24		TAS				m_e	
FBE	152.81		PKPbc	00:34:17.853	-0.3	12.6		2.24		TAS				m_e	
FBE	152.81		pPKPbc	00:34:55.319						T__				m_e	
FLT1	151.83		PKPdf	00:34:09.476	-0.1	10.8		1.39		TAS				m_e	
FLT1	151.83		PKPbc	00:34:15.991	0.8	12.6		2.24		TAS				m_e	
FUR	155.85		PKPab	00:34:42.051		13.8		4.34		TAS				m_e	
GEC2	154.69		PKPdf	00:34:13.432		10.8		1.39		TAS				m_e	
GEC2	154.69		PKPbc	00:34:23.204		12.6		2.24		TAS				m_e	
GEC2	154.69		PKPab	00:34:36.466		13.8		4.34		TAS				m_e	
GRA1	154.39		PKPdf	00:34:13.897		10.8		1.39		TAS				m_e	
GRA1	154.39		PKPbc	00:34:22.041	0.1	12.6		2.24		TAS				m_e	
GRA1	154.39		PKPab	00:34:35.536		13.8		4.34		TAS				m_e	

GRA1	154.39	pPKPbc	00:34:58.906						T__	m_e
GTTG	152.77	PKPbc	00:34:18.551	-0.4	12.6		2.24		TAS	m_e
GTTG	152.77	pPKPbc	00:34:55.234						T__	m_e
GUNZ	153.54	PKPdf	00:34:12.036		10.8		1.39		TAS	m_e
GUNZ	153.54	PKPbc	00:34:19.947	-1.0	12.6		2.24		TAS	m_e
GUNZ	153.54	PKPab	00:34:31.580		13.8		4.34		TAS	m_e
IBBN	152.25	PKPdf	00:34:09.942	-0.3	10.8		1.39		TAS	m_e
IBBN	152.25	PKPbc	00:34:17.620	-0.5	12.6		2.24		TAS	m_e
KAST	153.29	PKPdf	00:34:11.338	-0.0	10.8		1.39		TAS	m_e
KAST	153.29	PKPbc	00:34:18.783	0.1	12.6		2.24		TAS	m_e
KAST	153.29	PKPab	00:34:30.650		13.8		4.34		TAS	m_e
MOX	153.40	PKPdf	00:34:11.571	-0.3	10.8		1.39		TAS	m_e
MOX	153.40	PKPbc	00:34:19.249	0.7	12.6		2.24		TAS	m_e
MOX	153.40	PKPab	00:34:31.115		13.8		4.34		TAS	m_e
MOX	153.40	pPKPbc	00:34:55.972						T__	m_e
NEUB	152.84	PKPdf	00:34:11.338	-0.2	10.8		1.39		TAS	m_e
NEUB	152.84	PKPbc	00:34:18.783	-0.2	12.6		2.24		TAS	m_e
NRDL	151.83	PKPdf	00:34:09.942	-0.3	10.8		1.39		TAS	m_e
NRDL	151.83	PKPbc	00:34:16.224	-0.8	12.6		2.24		TAS	m_e
RETH	151.68	PKPdf	00:34:08.546	0.2	10.8		1.39		TAS	m_e
RETH	151.68	PKPbc	00:34:16.224	-0.0	12.6		2.24		TAS	m_e
ROTZ	154.14	PKPdf	00:34:12.501		10.8		1.39		TAS	m_e
ROTZ	154.14	PKPbc	00:34:20.412	0.4	12.6		2.24		TAS	m_e
ROTZ	154.14	PKPab	00:34:33.907		13.8		4.34		TAS	m_e
RUE	151.25	PKPbc	00:34:14.363	0.4	12.6		2.24		TAS	m_e
RUE	151.25	pPKPbc	00:34:52.302						T__	m_e
STU	155.60	PKPab	00:34:40.422		13.8		4.34		TAS	m_e
TNS	154.25	PKPbc	00:34:21.343	0.6	12.6		2.24		TAS	m_e
TNS	154.25	PKPab	00:34:35.303		13.8		4.34		TAS	m_e
WERD	153.47	PKPdf	00:34:11.571	-0.1	10.8		1.39		TAS	m_e
WERD	153.47	PKPbc	00:34:19.249	-0.8	12.6		2.24		TAS	m_e
WERD	153.47	PKPab	00:34:31.813		13.8		4.34		TAS	m_e
WERN	153.61	PKPdf	00:34:11.803		10.8		1.39		TAS	m_e
WERN	153.61	PKPbc	00:34:20.645	0.1	12.6		2.24		TAS	m_e
WERN	153.61	PKPab	00:34:32.511		13.8		4.34		TAS	m_e
WET	154.59	PKPdf	00:34:13.432		10.8		1.39		TAS	m_e
WET	154.59	PKPbc	00:34:22.739		12.6		2.24		TAS	m_e
WET	154.59	PKPab	00:34:36.699		13.8		4.34		TAS	m_e
WLF	154.99	PKPdf	00:34:13.665		10.8		1.39		TAS	m_e
WLF	154.99	PKPbc	00:34:23.204		12.6		2.24		TAS	m_e
WLF	154.99	PKPab	00:34:38.793		13.8		4.34		TAS	m_e

Event 70627002 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/27	02:23:22.09		52.9600	160.9100					33.0			31		70.70	76.70	m i ke	BGR

70627008

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70627008
Ms	4.6		BGR	70627008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	74.54		P	02:34:57.000	0.1	18.5		5.87		TAS		23.7	1.43	a_e	mb	5.0
ASSE	72.35		P	02:34:45.100	0.1	18.5		5.87		TAS		26.4	1.40	a_e	mb	5.2
BFO	76.43		P	02:35:08.650	-0.1	18.5		5.87		TAS		12.0	1.23	a_e	mb	4.9
BRG	72.86		P	02:34:47.600	-0.8	18.5		5.87		TAS		12.9	1.08	a_e	mb	5.0
BSEG	70.70		P	02:34:35.300	0.1	18.5		5.87		TAS		30.2	1.21	a_e	mb	5.3
BUG	73.64		P	02:34:52.500	0.2	18.5		5.87		TAS		17.9	0.81	a_e	mb	5.2
CLL	72.65		P	02:34:46.300	1.0	18.5		5.87		TAS		37.6	1.18	a_e	mb	5.4
CLZ	72.68		P	02:34:47.400	-0.1	18.5		5.87		TAS		47.5	1.16	a_e	mb	5.5
FBE	72.94		P	02:34:48.500	-0.0	18.5		5.87		TAS		41.4	1.26	a_e	mb	5.4
FLT1	72.05		P	02:34:42.700	0.4	18.5		5.87		TAS		20.6	1.18	a_e	mb	5.1
FUR	76.00		P	02:35:06.450		18.5		5.87		TAS		18.2	0.94	a_e	mb	5.1
GEC2	74.82		P	02:34:59.500	-0.4	18.5		5.87		TAS		12.6	1.04	a_e	mb	4.9
GOR1	71.41		P	02:34:39.700	-0.1	18.5		5.87		TAS		62.5	1.39	a_e	mb	5.6
GRA1	74.55		P	02:34:58.400	-0.1	18.5		5.87		TAS		26.0	0.91	a_e	mb	5.3
GRA1	74.55		L	03:11:19.015						T__		301.8	19.30	a_e	Ms	4.6
GTTG	73.04		P	02:34:49.250	-0.6	18.5		5.87		TAS		22.4	1.16	a_e	mb	5.2
GUNZ	73.69		P	02:34:53.050	0.2	18.5		5.87		TAS		16.9	1.09	a_e	mb	5.1
IBBN	72.72		P	02:34:47.300	0.0	18.5		5.87		TAS		42.5	1.14	a_e	mb	5.5
KAST	73.66		P	02:34:52.950	-0.1	18.5		5.87		TAS		24.7	1.26	a_e	mb	5.2
MOX	73.57		P	02:34:52.250	0.1	18.5		5.87		TAS		17.6	1.13	m_e	mb	5.1
NEUB	73.02		P	02:34:50.050	-0.5	18.5		5.87		TAS		41.6	1.40	a_e	mb	5.4
NRDL	72.11		P	02:34:43.600	0.1	18.5		5.87		TAS		19.7	1.17	a_e	mb	5.1
RETH	72.02		P	02:34:43.243	-0.3	18.5		5.87		TAS		24.6	1.13	m_e	mb	5.2
ROTZ	74.28		P	02:34:56.600	0.4	18.5		5.87		TAS		4.4	1.11	a_e	mb	4.4
RUE	71.39		P	02:34:39.150	-0.6	18.5		5.87		TAS		74.7	1.34	a_e	mb	5.6
STU	75.84		P	02:35:05.350	-0.1	18.5		5.87		TAS		55.9	1.31	a_e	mb	5.4
TNS	74.59		P	02:34:58.450	0.3	18.5		5.87		TAS		18.3	1.14	a_e	mb	5.0
UBR	76.70		P	02:35:10.550		18.5		5.87		TAS		17.7	1.01	a_e	mb	5.1
WERD	73.61		P	02:34:52.600	0.1	18.5		5.87		TAS		13.8	1.06	a_e	mb	5.0
WERN	73.75		P	02:34:53.450	0.2	18.5		5.87		TAS		17.6	1.09	a_e	mb	5.1
WET	74.72		P	02:34:59.300	-0.2	18.5		5.87		TAS		22.0	1.11	a_e	mb	5.1
WLF	75.54		P	02:35:04.000	0.3	18.5		5.87		TAS		20.5	1.23	a_e	mb	5.0

Event 70627003 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/27	03:51:15.66	1.67	0.72	38.3640	21.0540	72.3	15.6	45	10.0			9	344	9.45	13.99	m i ke	BGR
70627009																	

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
					ARSA	9.76		Pn	03:53:32.340	-0.8					T__					m_e	
					DAVA	12.10		Sn	03:56:06.978	-0.9					T__					m_e	
					GEC2	11.75		Pn	03:53:59.273	-0.5					T__					m_e	
					KBA	10.39		Sn	03:55:27.661	-0.2					T__					m_e	
					KBA	10.39		Pn	03:53:40.620	-0.9					T__					m_e	
					MOA	10.70		Pn	03:53:45.503	-0.1					T__					m_e	
					MOX	13.99		Pn	03:54:30.896	1.1					T__					m_e	
					OBKA	9.45		Pn	03:53:28.812	-0.1					T__					m_e	
					WET	12.28		Pn	03:54:07.443	0.5					T__					m_e	
					WTTA	11.26		Sn	03:55:49.297	1.1					T__					m_e	
					WTTA	11.26		Pn	03:53:53.914	0.7					T__					m_e	

Event 70628001 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/28	03:50:41.27			36.7400	71.5600				201.1	4.0		32		42.83	47.94	m i ke	BGR

Magnitude Err Nsta Author OrigID  
 mb 5.3 BGR 70628007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.20		P	03:58:53.440	-0.3	84.5		7.88		TAS		25.7	1.21	m_e mb	5.1
AHRW	47.20		sP	03:59:59.881	1.3					T__				m_e	
ASSE	44.77		P	03:58:34.719	-0.1	84.5		7.88		TAS		23.1	1.72	m_e mb	4.9
BFO	46.76		P	03:58:50.405	-0.1	84.5		7.88		TAS		14.9	1.27	m_e mb	5.0
BRG	42.83		P	03:58:19.196	-0.4	84.5		7.88		TAS		32.5	0.73	a_e mb	5.1
BSEG	44.86		P	03:58:35.796	0.8	84.5		7.88		TAS		61.0	0.81	a_e mb	5.7
BUG	46.95		P	03:58:52.000	-0.6	84.5		7.88		TAS		27.4	1.12	m_e mb	5.3
CLL	43.39		P	03:58:23.246	-0.8	84.5		7.88		TAS		19.7	0.85	a_e mb	5.1
CLL	43.39		sP	03:59:29.903	1.3					T__				m_e	
CLZ	44.98		P	03:58:36.396	-0.1	84.5		7.88		TAS		31.5	1.09	a_e mb	5.3
FBE	43.20		P	03:58:22.346	-0.2	84.5		7.88		TAS		36.0	0.79	a_e mb	5.4
FLT1	44.41		P	03:58:31.196	-0.8	84.5		7.88		TAS		79.7	0.71	a_e mb	5.9
FLT1	44.41		pP	03:59:15.262	1.3					T__				m_e	
FLT1	44.41		sP	03:59:37.789	1.3					T__				m_e	
FUR	44.85		P	03:58:35.972	1.1	84.5		7.88		TAS		39.6	1.10	m_e mb	5.4
GEC2	43.16		P	03:58:21.696	-0.1	84.5		7.88		TAS		16.8	1.50	a_e mb	4.8
GEC2	43.16		sP	03:59:28.213	1.3					T__				m_e	
GOR1	44.33		P	03:58:31.396	0.3	84.5		7.88		TAS		107.2	1.27	a_e mb	5.7
GOR1	44.33		pP	03:59:15.468	1.3					T__				m_e	
GOR1	44.33		sP	03:59:37.737	1.3					T__				m_e	
GRA1	44.68		P	03:58:34.646	0.6	84.5		7.88		TAS		28.6	1.04	a_e mb	5.2

GRA1	44.68	sP	03:59:40.115	1.3						T__						m_e	
GTTG	45.27	P	03:58:38.988	0.2	84.5		7.88			TAS	45.2	0.84	m_e	mb			5.6
GTTG	45.27	pP	03:59:21.803	1.3						T__						m_e	
GUNZ	43.89	P	03:58:27.846	-0.1	84.5		7.88			TAS	18.0	1.09	a_e	mb			4.9
IBBN	46.54	P	03:58:48.629	0.2	84.5		7.88			TAS	48.8	0.82	m_e	mb			5.7
IBBN	46.54	pP	03:59:32.490	1.3						T__						m_e	
KAST	46.27	P	03:58:46.972	-0.1	84.5		7.88			TAS	14.8	1.23	m_e	mb			5.0
MOX	44.32	P	03:58:31.196	-0.2	84.5		7.88			TAS	33.0	1.41	a_e	mb			5.2
NEUB	44.17	P	03:58:29.646	-0.5	84.5		7.88			TAS	46.4	1.02	a_e	mb			5.5
NRDL	45.09	P	03:58:37.496	0.2	84.5		7.88			TAS	36.8	0.95	a_e	mb			5.5
RETH	45.52	P	03:58:40.758	0.2	84.5		7.88			TAS	23.1	1.00	m_e	mb			5.3
RGN	43.08	P	03:58:21.687	0.9	84.5		7.88			TAS	239.7	1.11	m_e	mb			6.0
ROTZ	44.03	P	03:58:29.346	0.4	84.5		7.88			TAS	8.7	1.45	m_e	mb			4.5
ROTZ	44.03	sP	03:59:35.326	1.3						T__						m_e	
RUE	42.85	P	03:58:18.896	-0.7	84.5		7.88			TAS	50.2	0.73	a_e	mb			5.3
STU	46.12	P	03:58:45.412	0.2	84.5		7.88			TAS	51.2	0.91	m_e	mb			5.7
TNS	46.38	P	03:58:47.488	-0.1	84.5		7.88			TAS	21.2	1.38	m_e	mb			5.1
UBR	45.70	P	03:58:41.196	-0.3	84.5		7.88			TAS	22.2	0.68	a_e	mb			5.4
WERD	43.90	P	03:58:27.746	-0.3	84.5		7.88			TAS	18.0	1.12	a_e	mb			4.9
WERD	43.90	sP	03:59:34.127	1.3						T__						m_e	
WERN	43.87	P	03:58:27.746	-0.0	84.5		7.88			TAS	18.4	1.43	a_e	mb			4.8
WERN	43.87	sP	03:59:34.398	1.3						T__						m_e	
WET	43.67	P	03:58:26.573	0.7	84.5		7.88			TAS	9.5	1.25	m_e	mb			4.6
WLF	47.94	P	03:58:59.496		84.5		7.88			TAS	58.3	1.48	a_e	mb			5.4

Event 70628003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/28	12:07:37.20			44.7500	147.0900				60.3	6.7		31		75.00	80.50	m i ke	BGR
70628009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	70628009
MBB	6.3		BGR	70628009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.94		P	12:19:33.301	0.1	30.6		5.67		TAS		323.6	1.39	a_e	MBB 6.4
ASSE	76.45		S	12:29:00.734	-1.3					T__					m_e
ASSE	76.45		P	12:19:20.601	0.2	30.6		5.67		TAS		111.3	1.42	a_e	MBB 6.1
ASSE	76.45		pP	12:19:36.552	-1.3					T__					m_e
BFO	80.50		P	12:19:42.801	-0.3	30.6		5.67		TAS		310.6	1.75	a_e	MBB 6.1
BFO	80.50		pP	12:19:59.668	-1.3					T__					m_e
BRG	76.46		S	12:29:05.106	-1.3					T__					m_e
BRG	76.46		P	12:19:20.401	-1.2	30.6		5.67		TAS		112.5	1.18	a_e	MBB 6.0
BSEG	75.00		P	12:19:12.286	-0.0	30.6		5.67		TAS		151.3	1.04	m_e	MBB 6.3
BUG	78.09		S	12:29:20.568	-1.3					T__					m_e

BUG	78.09	P	12:19:29.451	0.1	30.6	5.67	TAS	326.1	1.39	a_e	MBB	6.4
BUG	78.09	pP	12:19:45.787	-1.3			T__				m_e	
CLL	76.41	P	12:19:19.651	-0.3	30.6	5.67	TAS	315.8	1.25	a_e	MBB	6.3
CLZ	76.80	P	12:19:22.751	-0.2	30.6	5.67	TAS	421.2	1.39	a_e	MBB	6.4
CLZ	76.80	pP	12:19:40.066	-1.3			T__				m_e	
FBE	76.62	P	12:19:21.551	0.0	30.6	5.67	TAS	217.3	1.20	a_e	mb	6.1
FLT1	76.10	P	12:19:17.851	0.4	30.6	5.67	TAS	237.1	1.12	a_e	MBB	6.2
FUR	79.68	P	12:19:38.701		30.6	5.67	TAS	563.1	1.67	a_e	MBB	6.5
FUR	79.68	pP	12:19:55.355	-1.3			T__				m_e	
GEC2	78.27	P	12:19:30.701	-0.6	30.6	5.67	TAS	128.1	1.39	a_e	MBB	6.0
GOR1	75.51	P	12:19:15.401	-0.0	30.6	5.67	TAS	510.3	1.30	a_e	MBB	6.5
GRA1	78.38	P	12:19:31.701	0.1	30.6	5.67	TAS	343.8	1.34	a_e	MBB	6.4
GRA1	78.38	pP	12:19:47.996	-1.3			T__				m_e	
GTTG	77.18	P	12:19:24.701	-0.5	30.6	5.67	TAS	256.8	1.38	a_e	mb	6.2
GUNZ	77.44	P	12:19:26.151	-0.1	30.6	5.67	TAS	172.7	1.49	a_e	mb	6.0
IBBN	77.18	P	12:19:24.351	0.2	30.6	5.67	TAS	267.4	1.19	a_e	MBB	6.4
IBBN	77.18	pP	12:19:42.394	-1.3			T__				m_e	
KAST	77.95	S	12:29:20.990	-1.3			T__				m_e	
KAST	77.95	P	12:19:29.001	0.2	30.6	5.67	TAS	209.0	1.31	a_e	MBB	6.2
MOX	77.43	S	12:29:13.962	-1.3			T__				m_e	
MOX	77.43	P	12:19:26.001	0.1	30.6	5.67	TAS	204.1	1.42	a_e	MBB	6.2
MOX	77.43	pP	12:19:42.886	-1.3			T__				m_e	
NEUB	76.91	P	12:19:22.701	-0.1	30.6	5.67	TAS	256.9	1.21	a_e	mb	6.1
NRDL	76.31	P	12:19:19.601	-0.1	30.6	5.67	TAS	203.6	1.39	a_e	MBB	6.1
RETH	76.33	P	12:19:19.651	-0.2	30.6	5.67	TAS	401.1	1.33	a_e	MBB	6.3
RETH	76.33	pP	12:19:36.381	-1.3			T__				m_e	
ROTZ	77.99	P	12:19:29.501	0.3	30.6	5.67	TAS	39.9	1.32	a_e	MBB	5.6
ROTZ	77.99	pP	12:19:45.531	-1.3			T__				m_e	
RUE	75.16	P	12:19:12.901	-0.6	30.6	5.67	TAS	307.0	1.22	a_e	MBB	6.4
STU	79.84	P	12:19:39.251	-0.0	30.6	5.67	TAS	687.7	1.46	a_e	MBB	6.7
TNS	78.80	S	12:29:30.001	-1.3			T__				m_e	
TNS	78.80	P	12:19:33.701	1.7	30.6	5.67	TAS	220.8	1.38	m_e	MBB	6.2
TNS	78.80	pP	12:19:50.268	-1.3			T__				m_e	
UBR	80.50	S	12:29:45.463	-1.3			T__				m_e	
UBR	80.50	P	12:19:43.001		30.6	5.67	TAS	166.7	1.58	a_e	MBB	6.0
WERD	77.37	P	12:19:25.751	0.2	30.6	5.67	TAS	182.1	1.54	a_e	mb	6.0
WERD	77.37	pP	12:19:43.623	-1.3			T__				m_e	
WERN	77.49	P	12:19:26.501	0.4	30.6	5.67	TAS	141.2	1.31	a_e	mb	5.9
WET	78.30	S	12:29:23.801	-1.3			T__				m_e	
WET	78.30	P	12:19:31.251	-0.4	30.6	5.67	TAS	274.7	1.36	a_e	MBB	6.3
WET	78.30	pP	12:19:47.804	-1.3			T__				m_e	
WLF	79.99	P	12:19:42.201	0.4	30.6	5.67	TAS	153.5	1.42	a_e	mb	5.9
WLF	79.99	pP	12:19:57.337	-1.3			T__				m_e	

OrigID  
 2017/06/28 18:20:52.90 -30.4400 -177.4400 10.0 159.69 159.69 m i ke EMSC  
 70628038

Magnitude Err Nsta Author OrigID  
 Ms 6.2 BGR 70628012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.69		PKP	18:41:30.692		22.0		3.90		TAS				m_e	
GRA1	159.69		PP	18:45:07.089		18.0		4.43		TAS				m_e	
GRA1	159.69		L	20:03:48.053						T__		3548.1	20.00	a_e Ms	6.2

Event 70629001 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/29	07:03:12.23			-31.0500	-178.2000				444.2	11.7		32		156.32	162.21	m i ke	BGR

OrigID  
 70629007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	160.13		PKPab	07:23:01.470	0.3	23.5		4.37		TAS				a_e	
ASSE	157.95		PKPab	07:22:52.720	-0.3	23.5		4.37		TAS				a_e	
BFO	162.04		PKPab	07:23:10.620	0.1	23.5		4.37		TAS				a_e	
BFO	162.04		pPKPab	07:24:53.411						T__				m_e	
BRG	158.23		PKPab	07:22:53.470	0.4	23.5		4.37		TAS				m_e	
BRG	158.23		pPKPab	07:24:37.382						T__				m_e	
BSEG	156.32		PKPdf	07:22:16.934	-1.6	259.2		1.27		TAS				m_e	
BSEG	156.32		PKPab	07:22:45.770	-0.1	23.5		4.37		TAS				a_e	
BSEG	156.32		pPKPab	07:24:30.296						T__				m_e	
BUG	159.23		PKPab	07:22:58.270	0.4	23.5		4.37		TAS				a_e	
CLL	158.12		PKPdf	07:22:21.373	-0.4	259.2		1.27		TAS				m_e	
CLL	158.12		PKPab	07:22:52.920	-0.4	23.5		4.37		TAS				a_e	
CLL	158.12		pPKPab	07:24:36.440						T__				m_e	
CLZ	158.28		PKPab	07:22:54.420	0.0	23.5		4.37		TAS				a_e	
CLZ	158.28		pPKPab	07:24:38.420						T__				m_e	
FBE	158.37		PKPab	07:22:54.420	-0.1	23.5		4.37		TAS				a_e	
FLT1	157.64		PKPdf	07:22:17.679	1.0	259.2		1.27		TAS				m_e	
FLT1	157.64		PKPab	07:22:50.820	-0.0	23.5		4.37		TAS				a_e	
FUR	161.44		PKPdf	07:22:15.872		259.2		1.27		TAS				m_e	
FUR	161.44		PKPab	07:23:07.970	0.2	23.5		4.37		TAS				a_e	
GEC2	160.06		PKPdf	07:22:17.944		259.2		1.27		TAS				m_e	
GEC2	160.06		PKPab	07:23:01.020	0.1	23.5		4.37		TAS				a_e	
GEC2	160.06		pPKPab	07:24:44.141						T__				m_e	
GOR1	157.01		PKPab	07:22:48.920	-0.3	23.5		4.37		TAS				a_e	
GRA1	160.07		PKPdf	07:22:20.936		259.2		1.27		TAS				m_e	

GRA1	160.07	PKPab	07:23:02.370	-0.2	23.5	4.37	TAS	a_e
GTTG	158.65	PKPab	07:22:55.920	0.1	23.5	4.37	TAS	a_e
GUNZ	159.16	PKPpdf	07:22:21.057		259.2	1.27	TAS	m_e
GUNZ	159.16	PKPab	07:22:58.020	0.3	23.5	4.37	TAS	a_e
GUNZ	159.16	pPKPab	07:24:41.942				T__	m_e
HLG	156.47	PKPab	07:22:46.820	-0.0	23.5	4.37	TAS	a_e
IBBN	158.31	PKPab	07:22:54.670	0.0	23.5	4.37	TAS	a_e
KAST	159.28	PKPab	07:22:58.520	-0.5	23.5	4.37	TAS	a_e
MOX	159.10	PKPpdf	07:22:22.246		259.2	1.27	TAS	m_e
MOX	159.10	PKPab	07:22:57.570	0.1	23.5	4.37	TAS	a_e
NEUB	158.56	PKPpdf	07:22:20.132		259.2	1.27	TAS	m_e
NEUB	158.56	PKPab	07:22:55.120	0.3	23.5	4.37	TAS	a_e
NEUB	158.56	pPKPab	07:24:38.993				T__	m_e
NRDL	157.72	PKPab	07:22:51.670	0.2	23.5	4.37	TAS	a_e
RETH	157.63	PKPab	07:22:51.420	0.0	23.5	4.37	TAS	a_e
ROTZ	159.73	PKPab	07:23:00.670	0.6	23.5	4.37	TAS	a_e
ROTZ	159.73	pPKPab	07:24:42.181				T__	m_e
RUE	156.86	PKPab	07:22:47.720	0.5	23.5	4.37	TAS	a_e
STU	161.43	PKPab	07:23:07.920	0.2	23.5	4.37	TAS	a_e
TNS	160.21	PKPab	07:23:02.670	-1.2	23.5	4.37	TAS	a_e
UBR	162.21	PKPab	07:23:11.220		23.5	4.37	TAS	a_e
WERD	159.09	PKPpdf	07:22:20.750		259.2	1.27	TAS	m_e
WERD	159.09	PKPab	07:22:57.620	0.2	23.5	4.37	TAS	a_e
WERD	159.09	pPKPab	07:24:40.876				T__	m_e
WERN	159.22	PKPpdf	07:22:19.793		259.2	1.27	TAS	m_e
WERN	159.22	PKPab	07:22:58.320	-0.1	23.5	4.37	TAS	a_e
WET	160.08	PKPpdf	07:22:19.472		259.2	1.27	TAS	m_e
WET	160.08	PKPab	07:23:01.770	-1.1	23.5	4.37	TAS	a_e
WET	160.08	pPKPab	07:24:42.634				T__	m_e
WLF	161.12	PKPab	07:23:07.420	0.2	23.5	4.37	TAS	a_e

Event 70629004 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/29	12:42:04.20			-4.5600	153.0800				60.0			22		122.60	124.70	m i ke	EMSC
70629036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABG1	123.21		PKP	13:01:13.189	0.1	48.5		1.10		TAS				m_e	
BBWF	124.33		PKP	13:01:12.258	-1.3	48.5		1.10		TAS				m_e	
BRG	122.60		PKP	13:01:11.560	0.5	48.5		1.10		TAS				m_e	
CHRS	123.60		PKP	13:01:10.397	-0.8	48.5		1.10		TAS				m_e	
CLL	122.78		PKP	13:01:10.397	-0.5	48.5		1.10		TAS				m_e	
CRUX	124.29		PKP	13:01:12.026		48.5		1.10		TAS				m_e	

FBE	122.86	PKP	13:01:10.862	-0.3	48.5	1.10	TAS	m_e
GEC2	124.00	PKP	13:01:12.724		48.5	1.10	TAS	m_e
GRA1	124.70	PKP	13:01:13.189		48.5	1.10	TAS	m_e
GRZ1	123.55	PKP	13:01:11.095	0.1	48.5	1.10	TAS	m_e
GUNZ	123.72	PKP	13:01:12.258	0.1	48.5	1.10	TAS	m_e
HKWD	123.44	PKP	13:01:10.630	0.8	48.5	1.10	TAS	m_e
MODW	123.27	PKP	13:01:11.560	-1.1	48.5	1.10	TAS	m_e
MULD	123.65	PKP	13:01:12.258	-0.2	48.5	1.10	TAS	m_e
POSS	123.76	PKP	13:01:12.491	1.8	48.5	1.10	TAS	m_e
ROTZ	124.17	PKP	13:01:13.189		48.5	1.10	TAS	m_e
SCHF	123.47	PKP	13:01:10.630	0.2	48.5	1.10	TAS	m_e
TRIB	123.82	PKP	13:01:13.422	-0.4	48.5	1.10	TAS	m_e
WERD	123.67	PKP	13:01:12.724	0.8	48.5	1.10	TAS	m_e
WERN	123.74	PKP	13:01:12.956		48.5	1.10	TAS	m_e
WET	124.23	PKP	13:01:11.793		48.5	1.10	TAS	m_e
WIMM	123.34	PKP	13:01:09.932	-1.2	48.5	1.10	TAS	m_e

Event 70630002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/30	01:35:02.49			33.7700	-37.6600				10.0			27		35.79	40.96	m i ke	BGR
70630008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70630008
Ms	5.6		BGR	70630008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	36.53		P	01:42:07.448	-0.7	263.2		8.40		TAS		294.2	2.24	a_e mb	5.6
ASSE	39.01		P	01:42:29.098	0.8	263.2		8.40		TAS		47.9	1.21	a_e mb	5.0
BFO	37.03		P	01:42:12.348	0.5	263.2		8.40		TAS		157.9	1.79	a_e mb	5.4
BRG	40.90		P	01:42:44.260		263.2		8.40		TAS		17.5	1.07	m_e mb	4.7
BSEG	39.11		P	01:42:29.285	-0.1	263.2		8.40		TAS		133.0	1.37	m_e mb	5.4
BUG	36.81		P	01:42:10.098	-0.4	263.2		8.40		TAS		53.7	1.16	m_e mb	5.2
CLL	40.35		P	01:42:39.598	-0.4	263.2		8.40		TAS		21.5	0.97	a_e mb	4.7
CLZ	38.78		P	01:42:26.998	0.2	263.2		8.40		TAS		54.3	1.07	a_e mb	5.1
FUR	38.98		P	01:42:28.848	0.3	263.2		8.40		TAS		203.0	2.36	a_e mb	5.3
GEC2	40.63		P	01:42:42.081		263.2		8.40		TAS		22.7	1.13	m_e mb	4.8
GRA1	39.06		P	01:42:29.198	-0.2	263.2		8.40		TAS		294.3	2.42	a_e mb	5.5
GRA1	39.06		L	01:55:44.528						T__		8125.5	20.60	a_e Ms	5.5
GTTG	38.49		P	01:42:24.548	0.3	263.2		8.40		TAS		46.7	1.17	a_e mb	5.1
GUNZ	39.83		P	01:42:35.625	-0.0	263.2		8.40		TAS		20.7	1.35	m_e mb	4.6
KAST	37.48		P	01:42:15.898	0.3	263.2		8.40		TAS		31.3	1.31	a_e mb	4.9
MOX	39.41		P	01:42:32.146	-0.3	263.2		8.40		TAS		18.7	1.05	m_e mb	4.6
MOX	39.41		L	01:55:58.409						T__		10676.8	21.70	a_e Ms	5.6
NRDL	38.73		P	01:42:26.698	-0.0	263.2		8.40		TAS		70.1	1.13	a_e mb	5.2

RETH	38.32	P	01:42:22.381	-0.0	263.2	8.40	TAS	193.7	2.10	m_e	mb	5.5
RGN	40.96	P	01:42:45.988		263.2	8.40	TAS	97.3	0.92	m_e	mb	5.5
ROTZ	39.70	P	01:42:33.996	-0.2	263.2	8.40	TAS	20.4	2.12	m_e	mb	4.4
RUE	40.95	P	01:42:44.711		263.2	8.40	TAS	80.2	1.16	m_e	mb	5.3
STU	37.65	P	01:42:17.513	1.0	263.2	8.40	TAS	87.2	0.85	m_e	mb	5.5
TNS	37.34	P	01:42:15.348	-0.2	263.2	8.40	TAS	153.2	1.83	a_e	mb	5.4
UBR	38.17	P	01:42:22.048	-0.5	263.2	8.40	TAS	25.9	1.04	a_e	mb	4.9
WERD	39.83	P	01:42:35.548	-0.6	263.2	8.40	TAS	23.9	1.46	a_e	mb	4.6
WERN	39.86	P	01:42:36.048	-0.6	263.2	8.40	TAS	58.2	1.54	a_e	mb	5.0
WET	40.10	P	01:42:37.598	1.7	263.2	8.40	TAS	30.9	1.44	a_e	mb	4.7
WLF	35.79	P	01:42:01.598	-0.3	263.2	8.40	TAS	85.3	1.11	a_e	mb	5.5

Event 70630011 North Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/30	13:33:44.20			58.9100	1.8600				10.0					5.79	12.27	m i	ke emsc
70630047																	

Magnitude Err Nsta Author  
 ML 5.3 BGR

OrigID  
 70630017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	8.91		Pn	13:35:52.172						T__				m_e	ML 5.2
ASSE	8.43		Pn	13:35:46.192						T__				m_e	ML 4.9
BFO	11.27		Pn	13:36:25.194						T__				m_e	
BRG	10.63		Pn	13:36:15.598						T__				m_e	
BSEG	6.84		Pn	13:35:25.233						T__				m_e	ML 5.2
BUG	8.10		Sn	13:37:10.097						T__				m_e	
BUG	8.10		Pn	13:35:42.130						T__				m_e	ML 5.1
CLL	9.93		Sn	13:37:50.666						T__				m_e	
CLL	9.93		Pn	13:36:06.149						T__				m_e	
CLZ	8.58		Pn	13:35:47.766						T__				m_e	ML 5.5
FBE	10.37		Sn	13:37:59.097						T__				m_e	
FBE	10.37		Pn	13:36:12.050						T__				m_e	
FLT1	8.46		Sn	13:37:14.005						T__				m_e	
FLT1	8.46		Pn	13:35:45.921						T__				m_e	
GEC2	12.24		Pn	13:36:39.000						T__				m_e	
GOR1	7.95		Pn	13:35:40.432						T__				m_e	
GRA1	10.72		Pn	13:36:18.488						T__				m_e	
GTTG	8.71		Sn	13:37:21.998						T__				m_e	
GTTG	8.71		Pn	13:35:50.404						T__				m_e	ML 5.6
GUNZ	10.48		Pn	13:36:13.485						T__				m_e	
HLG	5.79		Sn	13:36:09.993						T__				m_e	
HLG	5.79		Pn	13:35:12.217						T__				m_e	ML 5.3
IBBN	7.41		Sn	13:36:53.056						T__				m_e	
IBBN	7.41		Pn	13:35:32.715						T__				m_e	ML 5.2

KAST	8.59	Sn	13:37:19.014	T__	m_e		
KAST	8.59	Pn	13:35:48.334	T__	m_e ML	5.1	
MOX	10.01	Sn	13:37:54.758	T__	m_e		
MOX	10.01	Pn	13:36:07.434	T__	m_e		
NEUB	9.59	Pn	13:36:01.708	T__	m_e		
NRDL	7.93	Pn	13:35:39.219	T__	m_e ML	5.0	
RETH	7.49	Pn	13:35:33.581	T__	m_e		
RGN	7.67	Pn	13:35:36.469	T__	m_e ML	5.8	
ROTZ	10.96	Pn	13:36:20.902	T__	m_e		
TNS	9.50	Sn	13:37:35.063	T__	m_e		
TNS	9.50	Pn	13:36:00.819	T__	m_e		
UBR	12.27	Pn	13:36:39.730	T__	m_e		
WERD	10.40	Sn	13:37:56.444	T__	m_e		
WERD	10.40	Pn	13:36:12.574	T__	m_e		
WERN	10.56	Pn	13:36:14.596	T__	m_e		
WET	11.72	Pn	13:36:31.182	T__	m_e		
WLF	9.60	Pn	13:36:02.380	T__	m_e		

Event 70630012 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/30	14:03:43.39		23.5010	126.9440					33.0			27		85.44	90.23	m i ke	BGR
70630018																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70630018
Ms	4.3		BGR	70630018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.22		P	14:16:34.217		55.8		4.81		TAS		47.2	1.46	m_e mb	5.5
ASSE	86.46		P	14:16:21.591	-0.3	55.8		4.81		TAS		69.6	1.72	m_e mb	5.5
BFO	89.89		P	14:16:38.108		55.8		4.81		TAS		52.5	1.44	m_e mb	5.6
BRG	85.44		P	14:16:17.516	0.4	55.8		4.81		TAS		27.7	1.19	m_e mb	5.4
BUG	88.58		P	14:16:32.087	0.4	55.8		4.81		TAS		80.9	1.47	m_e mb	5.7
CLL	85.71		P	14:16:18.618	-0.3	55.8		4.81		TAS		46.1	1.52	m_e mb	5.4
CLZ	86.78		P	14:16:23.677	0.2	55.8		4.81		TAS		84.9	1.28	m_e mb	5.7
FBE	85.73		P	14:16:17.888	-0.6	55.8		4.81		TAS		49.1	1.29	m_e mb	5.5
FLT1	86.06		P	14:16:19.948	-0.0	55.8		4.81		TAS		26.1	1.13	m_e mb	5.3
FUR	88.38		P	14:16:31.619	-0.3	55.8		4.81		TAS		166.5	1.35	m_e mb	6.2
GEC2	86.66		P	14:16:22.501	0.2	55.8		4.81		TAS		21.1	1.70	m_e mb	5.0
GOR1	85.66		P	14:16:18.179	0.0	55.8		4.81		TAS		79.7	1.63	m_e mb	5.6
GRA1	87.55		P	14:16:27.315	0.1	55.8		4.81		TAS		139.5	1.56	m_e mb	6.1
GRA1	87.55		L	14:59:38.049						T__		108.7	20.20	a_e Ms	4.3
GTTG	87.16		P	14:16:25.310	0.3	55.8		4.81		TAS		86.9	1.41	m_e mb	5.7
GUNZ	86.58		P	14:16:22.145	0.0	55.8		4.81		TAS		39.9	1.30	m_e mb	5.4
IBBN	87.82		P	14:16:28.459	-0.9	55.8		4.81		TAS		115.9	1.61	m_e mb	6.0

KAST	88.15	P	14:16:29.997	0.2	55.8	4.81	TAS	88.5	1.81	m_e	mb	5.8
MOX	86.81	P	14:16:23.265	0.1	55.8	4.81	TAS	42.8	1.44	m_e	mb	5.4
MOX	86.81	L	14:54:53.878				T__	141.7	20.60	a_e	Ms	4.4
NRDL	86.54	P	14:16:22.174	-0.3	55.8	4.81	TAS	71.7	1.49	m_e	mb	5.6
RETH	86.77	P	14:16:23.359	0.0	55.8	4.81	TAS	99.4	1.68	m_e	mb	5.7
ROTZ	86.98	P	14:16:24.529	0.0	55.8	4.81	TAS	8.1	1.17	m_e	mb	4.7
STU	89.17	P	14:16:34.971		55.8	4.81	TAS	158.4	1.30	m_e	mb	6.1
TNS	88.71	P	14:16:32.959		55.8	4.81	TAS	84.4	1.72	m_e	mb	5.7
UBR	89.30	P	14:16:35.716		55.8	4.81	TAS	92.8	1.33	m_e	mb	5.8
WERD	86.55	P	14:16:21.690	0.3	55.8	4.81	TAS	42.0	1.50	m_e	mb	5.3
WET	86.95	P	14:16:24.141	0.5	55.8	4.81	TAS	58.2	1.82	m_e	mb	5.4
WLF	90.23	P	14:16:40.384		55.8	4.81	TAS	157.2	2.25	m_e	mb	5.8

Event 70630014 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/06/30	22:29:58.11			1.8800	-79.3100				28.8	2.7		4		85.63	90.61	m i ke	BGR
OrigID 70630020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70630020
MBB	6.2		BGR	70630020
Ms	5.6		BGR	70630020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.26		P	22:42:35.340	-0.1	271.4		4.78		TAS		181.4	1.90	m_e	MBB 6.2
ASSE	88.52		P	22:42:46.508	0.0	271.4		4.78		TAS		34.4	1.63	m_e	MBB 6.0
BFO	87.03		P	22:42:39.815	-0.1	271.4		4.78		TAS		50.7	1.68	m_e	MBB 6.0
BFO	87.03		pP	22:42:48.277		273.5		4.91		TAS				m_e	
BRG	90.61		P	22:42:57.444	-0.2	271.4		4.78		TAS		21.7	1.21	m_e	MBB 6.2
BSEG	88.27		P	22:42:45.623	-0.3	271.4		4.78		TAS		54.7	1.61	m_e	MBB 6.3
BUG	86.40		P	22:42:36.969	-0.3	271.4		4.78		TAS		111.0	1.91	m_e	MBB 6.2
CLL	90.00		P	22:42:53.867	0.1	271.4		4.78		TAS		27.6	1.33	m_e	MBB 6.1
CLZ	88.34		P	22:42:46.275	0.3	271.4		4.78		TAS		49.5	1.94	m_e	MBB 6.2
CLZ	88.34		pP	22:42:53.882		273.5		4.91		TAS				m_e	
FBE	90.24		P	22:42:54.884	0.3	271.4		4.78		TAS		31.3	1.37	m_e	MBB 6.0
FLT1	88.86		P	22:42:48.137	-0.6	271.4		4.78		TAS		25.2	1.42	m_e	MBB 6.2
FUR	89.00		P	22:42:49.300	-0.5	271.4		4.78		TAS		474.5	2.44	m_e	MBB 6.4
GEC2	90.59		P	22:42:56.746	0.1	271.4		4.78		TAS		33.7	1.38	m_e	MBB 6.2
GEC2	90.59		pP	22:43:05.469		273.5		4.91		TAS				m_e	
GRA1	88.93		P	22:42:49.300	0.6	271.4		4.78		TAS		84.7	1.78	m_e	mb 5.7
GRA1	88.93		L	23:20:28.382						T__		2644.6	21.60	a_e	Ms 5.6
GTTG	88.09		P	22:42:45.345	-0.0	271.4		4.78		TAS		25.0	1.41	m_e	MBB 6.2
GUNZ	89.62		P	22:42:52.790	0.3	271.4		4.78		TAS		74.7	2.03	m_e	MBB 5.8
IBBN	86.73		P	22:42:38.830	-0.6	271.4		4.78		TAS		193.6	2.25	m_e	MBB 6.2
KAST	87.12		P	22:42:40.459	-0.0	271.4		4.78		TAS		80.2	1.71	m_e	MBB 6.1

MOX	89.15	P	22:42:49.849	-0.9	271.4	4.78	TAS	70.4	2.04	m_e	MBB	6.1
MOX	89.15	pP	22:42:58.654		273.5	4.91	TAS			m_e		
MOX	89.15	L	23:21:06.012				T__	2319.4	22.00	a_e	Ms	5.6
NEUB	89.23	P	22:42:50.463	-0.4	271.4	4.78	TAS	32.7	1.16	m_e	MBB	6.2
NRDL	88.17	P	22:42:46.043	0.6	271.4	4.78	TAS	25.2	1.40	m_e	MBB	6.3
RETH	87.71	P	22:42:43.716	0.5	271.4	4.78	TAS	44.1	1.30	m_e	MBB	6.4
ROTZ	89.56	P	22:42:52.092	0.7	271.4	4.78	TAS	35.5	2.07	m_e	MBB	5.6
STU	87.61	P	22:42:42.785	-0.1	271.4	4.78	TAS	277.9	1.80	m_e	MBB	6.7
TNS	87.13	P	22:42:40.226	0.0	271.4	4.78	TAS	79.9	1.51	m_e	MBB	6.2
UBR	88.23	P	22:42:45.112		271.4	4.78	TAS	206.8	1.89	m_e	MBB	6.4
WERD	89.60	P	22:42:52.092	0.5	271.4	4.78	TAS	98.1	2.20	m_e	MBB	5.8
WERN	89.65	P	22:42:52.790	-0.2	271.4	4.78	TAS	174.1	2.36	m_e	MBB	6.0
WET	90.03	P	22:42:54.884	-0.2	271.4	4.78	TAS	253.0	2.41	m_e	MBB	6.2
WLF	85.63	P	22:42:33.944	0.3	271.4	4.78	TAS	129.3	1.26	m_e	MBB	6.4