

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

(produced by SZO/BGR - HANNOVER)

April 2017

UPDATED 14.August 2019

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

Event 70401001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/01	08:13:42.03			47.2300	150.1900				33.0			28		73.92	79.20	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70401007
Ms	4.9		BGR	70401007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.55		P	08:25:35.095	0.3	27.5		5.65		TAS		32.5	0.84	m_e mb	5.5
ASSE	75.13		P	08:25:21.386	-0.0	27.5		5.65		TAS		17.2	1.28	m_e mb	4.9
BFO	79.20		P	08:25:44.010		27.5		5.65		TAS		28.1	1.04	m_e mb	5.2
BRG	75.27		P	08:25:21.962	-0.0	27.5		5.65		TAS		18.8	1.26	m_e mb	5.0
BUG	76.68		P	08:25:30.194	-0.0	27.5		5.65		TAS		46.3	1.22	m_e mb	5.5
CLL	75.18		P	08:25:21.282	-0.3	27.5		5.65		TAS		43.5	1.11	m_e mb	5.4
CLZ	75.47		P	08:25:23.924	-0.5	27.5		5.65		TAS		47.4	1.30	m_e mb	5.4
FBE	75.41		P	08:25:23.044	0.1	27.5		5.65		TAS		31.6	1.19	m_e mb	5.2
FLT1	74.79		P	08:25:19.080	0.5	27.5		5.65		TAS		34.4	1.29	m_e mb	5.2
FUR	78.48		P	08:25:40.574		27.5		5.65		TAS		31.6	0.62	m_e mb	5.6
GEC2	77.12		P	08:25:32.600		27.5		5.65		TAS		16.2	0.82	m_e mb	5.2
GRA1	77.14		P	08:25:33.289		27.5		5.65		TAS		58.7	1.07	m_e mb	5.6
GRA1	77.14		L	09:03:46.455						T__		565.2	19.70	a_e Ms	4.9
GUNZ	76.21		P	08:25:27.688	0.4	27.5		5.65		TAS		19.1	0.97	m_e mb	5.2
IBBN	75.76		P	08:25:25.197	-0.1	27.5		5.65		TAS		30.2	0.90	m_e mb	5.4
KAST	76.59		P	08:25:29.738	-0.0	27.5		5.65		TAS		28.7	1.05	m_e mb	5.3
MANZ	76.61		P	08:25:29.927	-0.6	27.5		5.65		TAS		4.1	0.99	m_e mb	4.5
MOX	76.18		P	08:25:27.415	0.1	27.5		5.65		TAS		20.3	1.08	m_e mb	5.2
MOX	76.18		L	09:02:57.490						T__		593.9	19.90	a_e Ms	4.9
NRDL	74.96		P	08:25:20.626	0.1	27.5		5.65		TAS		14.9	1.04	m_e mb	5.0

PLN	76.15	P	08:25:27.358	0.1	27.5	5.65	TAS	20.5	1.15	m_e	mb	5.2
RETH	74.95	P	08:25:20.626	0.1	27.5	5.65	TAS	34.4	1.11	m_e	mb	5.3
RJOB	78.39	P	08:25:40.065		27.5	5.65	TAS	17.9	0.92	m_e	mb	5.2
ROTZ	76.78	P	08:25:31.088	0.1	27.5	5.65	TAS	6.9	1.08	m_e	mb	4.7
RUE	73.92	P	08:25:14.740	-0.5	27.5	5.65	TAS				m_e	
STU	78.56	P	08:25:40.694		27.5	5.65	TAS	63.9	0.79	m_e	mb	5.7
TANN	76.13	P	08:25:27.095	0.3	27.5	5.65	TAS	8.5	0.99	m_e	mb	4.8
TNS	77.46	P	08:25:34.822	-0.2	27.5	5.65	TAS	35.8	1.17	m_e	mb	5.4
WERD	76.14	P	08:25:27.199	0.1	27.5	5.65	TAS	16.5	1.08	m_e	mb	5.1
WERN	76.26	P	08:25:28.175	-0.1	27.5	5.65	TAS	20.4	0.96	m_e	mb	5.2

Event 70403001 North of Panama

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/02	23:54:42.65			10.1900	-81.4000				33.0			17		82.03	85.75	m i ke	BGR
70403007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70403007
Ms	4.9		BGR	70403007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	85.53		P	00:07:17.772		278.1		5.11		TAS		11.9	1.28	m_e	mb	4.9
BSEG	82.86		P	00:07:04.104	0.1	278.1		5.11		TAS		9.1	1.19	m_e	mb	4.9
CLL	84.87		P	00:07:14.355		278.1		5.11		TAS		15.6	1.08	m_e	mb	5.2
CLZ	83.17		P	00:07:06.155	-0.2	278.1		5.11		TAS		18.3	1.20	m_e	mb	5.2
FBE	85.16		P	00:07:16.178		278.1		5.11		TAS		41.8	1.87	m_e	mb	5.3
FLT1	83.63		P	00:07:07.749	0.1	278.1		5.11		TAS		13.4	1.28	m_e	mb	5.0
GEC2	85.75		P	00:07:19.025		278.1		5.11		TAS		13.2	1.26	m_e	mb	4.9
GRA1	84.01		P	00:07:08.205		278.1		5.11		TAS		14.6	1.04	m_e	mb	5.1
GRA1	84.01		L	00:41:23.935						T__		617.1	21.20	a_e	Ms	5.0
GUNZ	84.61		P	00:07:13.216		278.1		5.11		TAS		16.6	1.64	m_e	mb	5.0
KAST	82.03		P	00:07:00.034	0.3	278.1		5.11		TAS		19.0	1.41	m_e	mb	5.0
MOX	84.11		L	00:44:59.157						T__		365.8	19.80	a_e	Ms	4.8
NRDL	82.92		P	00:07:04.902	0.1	278.1		5.11		TAS		26.3	1.38	m_e	mb	5.3
RJOB	85.35		P	00:07:17.089		278.1		5.11		TAS		11.1	1.31	m_e	mb	4.9
ROTZ	84.63		P	00:07:13.558		278.1		5.11		TAS		5.4	1.93	m_e	mb	4.4
TNS	82.16		P	00:07:00.839	0.2	278.1		5.11		TAS		11.3	1.23	m_e	mb	4.9
UBBA	83.07		P	00:07:05.471	0.3	278.1		5.11		TAS		8.7	1.31	m_e	mb	4.8
WERD	84.58		P	00:07:13.102		278.1		5.11		TAS		15.8	1.44	m_e	mb	5.0
WERN	84.65		P	00:07:13.672		278.1		5.11		TAS		22.2	1.61	m_e	mb	5.1

Event 70403002 South of Fiji Islands

./2017/bull1704.txt

Thu Apr 23 08:38:25 2020

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/03	00:35:47.51			-23.5980	-179.0670				33.0			18		148.89	152.73	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.55		PKPbc	00:55:36.324	-0.1	20.9		2.31		TAS				m_e	
BRG	150.96		PKPbc	00:55:37.174	0.0	20.9		2.31		TAS				m_e	
BSEG	148.89		PKPbc	00:55:32.285	-0.0	20.9		2.31		TAS				m_e	
CLL	150.81		PKPbc	00:55:36.741	0.0	20.9		2.31		TAS				m_e	
CLZ	150.88		PKPbc	00:55:37.468	0.2	20.9		2.31		TAS				m_e	
FBE	151.07		PKPbc	00:55:37.768	-0.2	20.9		2.31		TAS				m_e	
FLT1	150.25		PKPbc	00:55:35.454	0.3	20.9		2.31		TAS				m_e	
GRA1	152.73		PKPbc	00:55:41.061		20.9		2.31		TAS				m_e	
GTTG	151.24		PKPbc	00:55:38.064	-0.0	20.9		2.31		TAS				m_e	
GUNZ	151.84		PKPbc	00:55:39.127		20.9		2.31		TAS				m_e	
IBBN	150.86		PKPbc	00:55:37.155	0.2	20.9		2.31		TAS				m_e	
KAST	151.84		PKPbc	00:55:39.417	-0.2	20.9		2.31		TAS				m_e	
NEUB	151.20		PKPbc	00:55:37.774	-0.1	20.9		2.31		TAS				m_e	
NRDL	150.31		PKPbc	00:55:35.841	-0.0	20.9		2.31		TAS				m_e	
PLN	151.77		PKPbc	00:55:38.837		20.9		2.31		TAS				m_e	
RETH	150.20		PKPbc	00:55:35.598	-0.2	20.9		2.31		TAS				m_e	
WERD	151.77		PKPbc	00:55:39.031		20.9		2.31		TAS				m_e	
WERN	151.90		PKPbc	00:55:39.373		20.9		2.31		TAS				m_e	

Event 70403003 Dominican Republic region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/03	02:44:59.94			18.0000	-69.2960				33.0			15		67.12	72.11	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70403009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	69.88		P	02:56:07.666	-0.0	274.9		6.12		TAS		9.7	0.95	m_e mb	4.9
BRG	72.02		P	02:56:20.407		274.9		6.12		TAS		8.1	0.68	m_e mb	5.0
CLL	71.39		P	02:56:16.272		274.9		6.12		TAS		5.3	0.92	m_e mb	4.7
CLZ	69.71		P	02:56:06.548	-0.0	274.9		6.12		TAS		11.1	0.77	m_e mb	5.1
FBE	71.65		P	02:56:18.395		274.9		6.12		TAS		8.0	0.71	m_e mb	5.0
FLT1	70.21		P	02:56:08.895		274.9		6.12		TAS		7.5	0.78	m_e mb	4.9
GEC2	72.11		P	02:56:20.966		274.9		6.12		TAS		9.8	1.05	m_e mb	4.9
IBBN	68.08		P	02:55:56.154	0.1	274.9		6.12		TAS		25.1	1.17	m_e mb	5.3
KAST	68.52		P	02:55:58.613	0.5	274.9		6.12		TAS		5.6	0.79	m_e mb	4.9

2017/04/03 17:40:17.48
70403016

-22.3150 24.2490

25.7 0.8 29 70.48 77.48 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	70403016
MBB	6.9		BGR	70403016
Ms	6.7		BGR	70403016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.11		P	17:51:54.314	0.2	167.4		5.94		TAS		571.9	1.19	m_e	MBB 6.8
ASSE	75.07		P	17:51:59.538	-0.7	167.4		5.94		TAS		506.3	1.35	m_e	MBB 6.7
BFO	71.75		P	17:51:39.743	-0.2	167.4		5.94		TAS		678.1	1.94	m_e	MBB 6.8
BRG	73.43		P	17:51:49.737	-0.2	167.4		5.94		TAS		297.8	1.37	m_e	MBB 6.8
BSEG	76.88		P	17:52:09.743		167.4		5.94		TAS		1247.5	1.40	m_e	MBB 7.1
BUG	74.94		P	17:51:59.082	-0.0	167.4		5.94		TAS		613.5	1.25	m_e	MBB 6.8
BUG	74.94		pP	17:52:06.209						T__				m_e	
CLL	73.97		P	17:51:53.147	0.4	167.4		5.94		TAS		653.9	1.65	m_e	MBB 6.8
FUR	71.11		P	17:51:36.292	0.1	167.4		5.94		TAS		1502.1	1.18	m_e	MBB 7.3
GEC2	71.46		P	17:51:38.355	0.1	167.4		5.94		TAS		947.0	1.42	m_e	MBB 7.0
GOR1	75.83		P	17:52:04.187		167.4		5.94		TAS		2109.6	1.53	m_e	MBB 7.2
GRA1	72.61		P	17:51:45.097	-0.0	167.4		5.94		TAS		991.4	1.16	m_e	mb 6.8
GRA1	72.61		L	18:24:00.072						T__		42858.2	21.90	a_e	Ms 6.7
GTTG	74.60		P	17:51:57.096	-0.2	167.4		5.94		TAS		700.5	1.20	m_e	MBB 6.9
GUNZ	73.12		P	17:51:48.049	-0.1	167.4		5.94		TAS		3139.3	2.70	m_e	MBB 6.8
HLG	77.48		P	17:52:12.992		167.4		5.94		TAS		800.0	1.41	m_e	MBB 7.0
KAST	74.51		P	17:51:56.745	0.3	167.4		5.94		TAS		452.9	1.20	m_e	MBB 6.8
KAST	74.51		pP	17:52:03.916						T__				m_e	
MOX	73.49		P	17:51:50.142	0.1	167.4		5.94		TAS		353.0	1.33	m_e	MBB 6.8
MOX	73.49		pP	17:51:57.495						T__				m_e	
MOX	73.49		L	18:27:03.649						T__		43695.2	20.00	a_e	Ms 6.7
NEUB	74.01		P	17:51:53.590	0.1	167.4		5.94		TAS		1693.4	1.52	m_e	MBB 7.0
NEUB	74.01		pP	17:52:00.935						T__				m_e	
NRDL	75.50		P	17:52:02.556	-1.0	167.4		5.94		TAS		1310.1	1.56	m_e	MBB 7.0
NRDL	75.50		pP	17:52:10.108						T__				m_e	
PLN	73.26		P	17:51:49.117	-0.2	167.4		5.94		TAS		928.9	1.76	m_e	MBB 6.9
RETH	75.85		P	17:52:04.564		167.4		5.94		TAS		1485.4	1.59	m_e	MBB 7.2
RGN	77.12		P	17:52:12.358		167.4		5.94		TAS		1506.8	1.49	m_e	MBB 7.1
RJOB	70.48		P	17:51:31.962	-0.5	167.4		5.94		TAS		395.7	0.91	m_e	MBB 6.9
ROTZ	72.55		P	17:51:44.815	0.1	167.4		5.94		TAS		134.2	1.09	m_e	MBB 6.3
RUE	75.03		P	17:51:59.749	0.2	167.4		5.94		TAS		1132.6	1.44	m_e	MBB 7.0
STU	72.03		P	17:51:42.138	0.5	167.4		5.94		TAS		1246.3	0.97	m_e	MBB 7.4
TNS	73.56		P	17:51:50.801	0.2	167.4		5.94		TAS		468.6	1.22	m_e	MBB 6.9
UBBA	73.89		P	17:51:52.882	0.4	167.4		5.94		TAS		792.3	1.92	m_e	MBB 6.8
UBR	70.82		P	17:51:33.851	-0.6	167.4		5.94		TAS		419.8	0.89	m_e	MBB 7.0
WERN	73.04		P	17:51:47.684	0.0	167.4		5.94		TAS		721.7	1.89	m_e	MBB 6.8

Event 70404006 Northern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/04	15:07:30.50			46.3210	85.1770				33.0				28	45.13	50.05	m i ke	BGR
OrigID 70404012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70404012
Ms	4.7		BGR	70404012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	49.74		P	15:16:18.232		64.1		7.77		TAS		41.6	0.75	m_e	mb 5.4
BFO	50.05		P	15:16:20.515		64.1		7.77		TAS		43.9	0.62	m_e	mb 5.5
BRG	45.65		P	15:15:46.905	-0.1	64.1		7.77		TAS		63.7	1.19	m_e	mb 5.5
BSEG	46.50		P	15:15:52.842	-0.4	64.1		7.77		TAS		79.5	0.70	m_e	mb 5.9
BUG	49.22		P	15:16:14.214		64.1		7.77		TAS		49.7	1.03	m_e	mb 5.5
CLL	46.02		P	15:15:48.732	0.5	64.1		7.77		TAS		121.1	0.53	m_e	mb 6.2
CLZ	47.31		P	15:15:59.235	0.3	64.1		7.77		TAS		32.6	0.57	m_e	mb 5.7
FBE	45.98		P	15:15:49.280	-1.0	64.1		7.77		TAS		161.0	1.17	m_e	mb 5.9
FLT1	46.62		P	15:15:53.664	-0.3	64.1		7.77		TAS		77.2	1.17	m_e	mb 5.7
FUR	48.38		P	15:16:08.734	0.0	64.1		7.77		TAS		189.5	0.93	m_e	mb 6.2
GOR1	46.32		P	15:15:52.020	0.4	64.1		7.77		TAS		169.0	1.14	m_e	mb 6.0
GRA1	47.73		P	15:16:03.071	0.1	64.1		7.77		TAS		177.2	1.07	m_e	mb 6.1
GRA1	47.73		L	15:33:46.815						T__		1050.0	18.50	a_e	Ms 4.8
GTTG	47.66		P	15:16:02.523	-0.5	64.1		7.77		TAS		206.3	1.22	m_e	mb 6.1
HLG	47.71		P	15:16:02.249	0.7	64.1		7.77		TAS		191.8	1.11	m_e	mb 6.1
IBBN	48.57		P	15:16:08.460	-0.2	64.1		7.77		TAS		115.0	0.52	m_e	mb 6.1
KAST	48.68		P	15:16:10.286	-0.6	64.1		7.77		TAS		33.9	0.65	m_e	mb 5.5
MOX	47.10		P	15:15:57.957	1.1	64.1		7.77		TAS		105.1	1.20	m_e	mb 5.8
MOX	47.10		L	15:42:10.089						T__		513.9	19.30	a_e	Ms 4.5
NEUB	46.78		P	15:15:55.217	0.2	64.1		7.77		TAS		67.6	0.82	m_e	mb 5.8
NRDL	47.19		P	15:15:58.596	0.8	64.1		7.77		TAS		116.2	1.08	m_e	mb 5.9
PLN	46.85		P	15:15:55.765	0.3	64.1		7.77		TAS		66.8	0.92	m_e	mb 5.8
RETH	47.50		P	15:16:00.788	-0.0	64.1		7.77		TAS		59.3	0.97	m_e	mb 5.7
RJOB	47.66		P	15:16:03.345	-0.6	64.1		7.77		TAS		143.3	1.07	m_e	mb 6.0
ROTZ	47.12		P	15:15:58.596	0.2	64.1		7.77		TAS		14.8	1.04	m_e	mb 5.1
RUE	45.13		P	15:15:42.430	-0.0	64.1		7.77		TAS		231.3	1.13	m_e	mb 6.0
TNS	49.10		P	15:16:13.574		64.1		7.77		TAS		31.0	0.73	m_e	mb 5.4
UBBA	47.95		P	15:16:04.076	-0.1	64.1		7.77		TAS		43.9	1.25	m_e	mb 5.4
WERD	46.78		P	15:15:55.673	0.2	64.1		7.77		TAS		52.9	0.78	m_e	mb 5.7
WERN	46.81		P	15:15:56.039	-0.1	64.1		7.77		TAS		99.2	1.16	m_e	mb 5.8

Event 70404008 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/04	22:08:38.80			50.5300	-178.6500				33.0				16	75.51	79.80	m i ke	BGR
OrigID																	

70404014

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70404014
Ms	5.0		BGR	70404014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	77.41		P	22:20:31.234	0.5	6.5		5.60		TAS		9.3	1.04	m_e	mb	4.9
BRG	78.41		P	22:20:36.494		6.5		5.60		TAS		7.8	0.82	m_e	mb	4.9
BSEG	75.64		P	22:20:21.050	0.5	6.5		5.60		TAS		28.6	0.95	m_e	mb	5.4
CLL	78.06		P	22:20:34.256	0.1	6.5		5.60		TAS		11.1	0.88	m_e	mb	5.0
CLZ	77.72		P	22:20:32.466	-0.4	6.5		5.60		TAS		23.6	0.68	m_e	mb	5.4
FLT1	77.17		P	22:20:29.332	0.2	6.5		5.60		TAS		18.7	0.63	m_e	mb	5.4
GOR1	76.51		P	22:20:26.422	0.1	6.5		5.60		TAS		44.5	1.21	m_e	mb	5.5
GRA1	79.80		L	22:55:13.090						T__		616.7	21.60	a_e	Ms	4.9
GTTG	78.04		P	22:20:35.040	0.1	6.5		5.60		TAS		21.1	0.98	m_e	mb	5.2
HLG	75.51		P	22:20:20.379	0.0	6.5		5.60		TAS		37.0	1.07	m_e	mb	5.4
IBBN	77.40		P	22:20:30.339	-0.3	6.5		5.60		TAS		45.7	0.91	m_e	mb	5.6
KAST	78.47		P	22:20:37.054	0.0	6.5		5.60		TAS		5.0	0.77	m_e	mb	4.7
MOX	78.83		L	22:54:56.366						T__		893.6	20.40	a_e	Ms	5.1
NEUB	78.27		P	22:20:35.935	0.1	6.5		5.60		TAS		28.5	0.99	m_e	mb	5.4
NRDL	77.08		P	22:20:29.108	-0.6	6.5		5.60		TAS		11.2	0.94	m_e	mb	5.0
PLN	78.94		P	22:20:39.628		6.5		5.60		TAS		4.3	0.72	m_e	mb	4.6
RETH	76.89		P	22:20:28.101	-0.1	6.5		5.60		TAS		25.2	1.13	m_e	mb	5.2
TNS	79.44		P	22:20:42.426		6.5		5.60		TAS		18.5	1.06	m_e	mb	5.0

Event 70405001 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/05	06:09:08.58			34.7600	60.4200				33.0			16		36.97	41.94	m i ke	BGR
70405007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70405007
MBB	6.1		BGR	70405007
Ms	5.6		BGR	70405007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	41.35		P	06:16:52.795		95.3		8.36		TAS		324.0	2.34	m_e	MBB	6.2
AHRW	41.35		PP	06:18:28.960		97.1		13.04		TAS				m_e		
ASSE	39.21		P	06:16:34.116	0.0	95.3		8.36		TAS		810.1	2.74	m_e	MBB	6.1
ASSE	39.21		PP	06:18:01.272		97.1		13.04		TAS				m_e		
BFO	40.51		P	06:16:43.568	-0.2	95.3		8.36		TAS		329.5	2.71	m_e	MBB	5.9
BFO	40.51		PP	06:18:17.559		97.1		13.04		TAS				m_e		
BRG	37.03		P	06:16:15.662	-0.3	95.3		8.36		TAS		474.7	2.12	m_e	MBB	6.2
BSEG	39.65		P	06:16:37.492	-0.1	95.3		8.36		TAS		361.4	1.41	m_e	MBB	6.3

2017/04/05 20:07:16.71 33.0950 60.1640 33.0 16 37.82 41.98 m i ke BGR
70405011

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 70405011
Ms 3.9 BGR 70405011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	40.68		P	20:14:52.611		96.0		8.33		TAS		82.0	1.04	m_e	mb	5.4
CLZ	40.32		P	20:14:50.412	-0.0	96.0		8.33		TAS		34.4	1.32	m_e	mb	4.8
FBE	38.34		P	20:14:34.291	0.4	96.0		8.33		TAS		91.5	2.00	m_e	mb	5.2
FLT1	39.87		P	20:14:45.686	0.1	96.0		8.33		TAS		58.3	1.15	m_e	mb	5.1
GEC2	37.82		P	20:14:29.658	-0.1	96.0		8.33		TAS		11.5	1.23	m_e	mb	4.5
GOR1	39.93		P	20:14:46.565	0.2	96.0		8.33		TAS		123.8	1.35	m_e	mb	5.4
GRA1	39.53		L	20:29:38.765						T__		136.9	20.10	a_e	Ms	3.8
GUNZ	38.90		P	20:14:38.882	0.2	96.0		8.33		TAS		15.0	1.29	m_e	mb	4.5
IBBN	41.98		P	20:15:03.762		96.0		8.33		TAS		43.3	1.29	m_e	mb	5.0
MOX	39.39		P	20:14:42.828	0.1	96.0		8.33		TAS		35.3	1.48	m_e	mb	4.8
MOX	39.39		L	20:30:43.025						T__		212.5	19.30	a_e	Ms	4.0
NEUB	39.37		P	20:14:42.388	-0.1	96.0		8.33		TAS		56.4	1.18	m_e	mb	5.1
PLN	39.02		P	20:14:39.750	0.0	96.0		8.33		TAS		48.1	2.02	m_e	mb	4.8
RETH	41.06		P	20:14:56.018		96.0		8.33		TAS		54.0	1.47	m_e	mb	5.1
ROTZ	38.90		P	20:14:38.871	0.1	96.0		8.33		TAS		10.4	2.52	m_e	mb	4.0
RUE	38.36		P	20:14:32.994	-0.5	96.0		8.33		TAS		54.4	0.94	m_e	mb	5.3
STU	40.78		P	20:14:54.258		96.0		8.33		TAS		84.5	1.34	m_e	mb	5.3
WERD	38.92		P	20:14:38.871	-0.1	96.0		8.33		TAS		11.7	1.25	m_e	mb	4.4

Event 70407008 Sea of Okhotsk

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/04/07 14:01:58.30 47.8940 145.8920 130.0 15 72.92 77.33 m i ke BGR
70407014

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 70407014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.33		P	14:13:34.199		29.6		5.75		TAS		8.2	1.04	m_e	mb	4.8
BUG	74.88		P	14:13:22.043		29.6		5.75		TAS		7.8	0.80	m_e	mb	4.8
CLL	73.25		P	14:13:12.072	0.4	29.6		5.75		TAS		7.1	0.63	m_e	mb	5.0
FBE	73.46		P	14:13:12.933	1.1	29.6		5.75		TAS		5.0	0.98	m_e	mb	4.6
FLT1	72.92		P	14:13:09.883	0.3	29.6		5.75		TAS		4.6	0.74	m_e	mb	4.7
GEC2	75.13		P	14:13:23.112		29.6		5.75		TAS		3.6	0.88	m_e	mb	4.4
GRA1	75.22		P	14:13:24.681		29.6		5.75		TAS		10.0	0.81	m_e	mb	4.9
GUNZ	74.28		P	14:13:18.477		29.6		5.75		TAS		2.6	0.69	m_e	mb	4.4
KAST	74.76		P	14:13:21.247		29.6		5.75		TAS		4.2	0.80	m_e	mb	4.5

MOX	74.26	P	14:13:17.826	29.6	5.75	TAS	9.5	1.29	m_e	mb	4.7
RJOB	76.39	P	14:13:30.687	29.6	5.75	TAS	6.6	0.93	m_e	mb	4.7
ROTZ	74.83	P	14:13:21.768	29.6	5.75	TAS	1.1	0.96	m_e	mb	3.8
TNS	75.62	P	14:13:26.127	29.6	5.75	TAS	7.3	0.98	m_e	mb	4.8
WERD	74.21	P	14:13:16.734	29.6	5.75	TAS	6.6	1.18	m_e	mb	4.5
WERN	74.33	P	14:13:18.863	29.6	5.75	TAS	2.9	0.68	m_e	mb	4.4

Event 70408001 North of Severnaya Zemlya

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/08	00:46:44.69			84.5000	85.0000				28.9	0.5		33		35.14	41.35	m i ke	BGR
OrigID 70408007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70408007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	38.81	P		00:54:05.843	0.2	9.2		8.40		TAS		24.1	1.00	a_e	mb	4.8
ASSE	36.89	P		00:53:50.293	0.3	9.2		8.40		TAS		36.6	1.23	a_e	mb	5.0
BFO	40.88	P		00:54:23.293		9.2		8.40		TAS		29.3	1.41	a_e	mb	4.8
BRG	37.82	P		00:53:57.593	0.1	9.2		8.40		TAS		25.2	1.31	a_e	mb	4.8
BSEG	35.14	P		00:53:35.688	-0.2	9.2		8.40		TAS		34.2	1.10	m_e	mb	5.2
BUG	37.90	P		00:53:58.493	-0.2	9.2		8.40		TAS		52.0	1.29	a_e	mb	5.1
CLL	37.48	P		00:53:54.543	-0.6	9.2		8.40		TAS		22.8	1.29	a_e	mb	4.7
CLZ	37.20	P		00:53:53.243	0.2	9.2		8.40		TAS		46.9	1.24	a_e	mb	5.1
FBE	37.83	P		00:53:57.843	0.3	9.2		8.40		TAS		44.5	1.14	a_e	mb	5.1
FLT1	36.64	P		00:53:47.543	0.1	9.2		8.40		TAS		27.4	1.12	a_e	mb	4.9
FUR	40.76	P		00:54:22.593	-0.2	9.2		8.40		TAS		23.9	1.08	a_e	mb	4.8
GEC2	39.86	P		00:54:15.343	-0.4	9.2		8.40		TAS		26.0	1.22	m_e	mb	4.7
GEC2	39.86	pP		00:54:23.080						T__					m_e	
GOR1	35.98	P		00:53:42.855	0.1	9.2		8.40		TAS		62.6	1.28	m_e	mb	5.3
GRA1	39.25	P		00:54:10.293	-0.4	9.2		8.40		TAS		45.4	1.10	a_e	mb	5.0
GTTG	37.54	P		00:53:55.943	-0.1	9.2		8.40		TAS		38.1	1.18	a_e	mb	5.0
GUNZ	38.48	P		00:54:03.693	0.0	9.2		8.40		TAS		38.3	1.10	a_e	mb	5.0
IBBN	36.99	P		00:53:50.943	-0.5	9.2		8.40		TAS		30.6	1.29	a_e	mb	4.9
KAST	38.02	P		00:53:59.943	-0.1	9.2		8.40		TAS		25.3	1.20	a_e	mb	4.8
MOX	38.27	P		00:54:01.793	0.0	9.2		8.40		TAS		38.5	1.11	a_e	mb	5.0
NEUB	37.71	P		00:53:56.593	-0.1	9.2		8.40		TAS		23.2	1.09	a_e	mb	4.8
NRDL	36.58	P		00:53:47.743	-0.0	9.2		8.40		TAS		45.7	1.41	a_e	mb	5.0
PLN	38.38	P		00:54:02.693	0.2	9.2		8.40		TAS		28.7	1.18	a_e	mb	4.9
PLN	38.38	pP		00:54:10.172	0.1					T__					m_e	
RETH	36.41	P		00:53:46.343	-0.6	9.2		8.40		TAS		69.2	1.66	a_e	mb	5.2
RJOB	41.04	P		00:54:25.043		9.2		8.40		TAS		11.6	1.10	a_e	mb	4.5
ROTZ	39.08	P		00:54:08.893	0.6	9.2		8.40		TAS		12.2	1.30	a_e	mb	4.4
RUE	36.25	P		00:53:44.493	0.0	9.2		8.40		TAS		28.2	1.07	a_e	mb	5.0
STU	40.36	P		00:54:18.993	0.2	9.2		8.40		TAS		71.9	0.96	a_e	mb	5.3

TNS	38.99	P	00:54:07.843	0.3	9.2	8.40	TAS	22.1	1.16	a_e	mb	4.7
UBBA	38.25	P	00:54:01.493	0.0	9.2	8.40	TAS	21.9	1.29	a_e	mb	4.7
UBR	41.35	P	00:54:27.593		9.2	8.40	TAS	40.2	1.29	a_e	mb	5.0
WERD	38.40	P	00:54:02.893	0.3	9.2	8.40	TAS	34.4	1.24	a_e	mb	4.9
WERN	38.55	P	00:54:04.393	0.3	9.2	8.40	TAS	54.8	1.03	a_e	mb	5.1
WLF	39.76	P	00:54:14.193	-0.1	9.2	8.40	TAS	21.2	1.20	a_e	mb	4.6

Event 70408002 North of Severnaya Zemlya

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/08	00:57:07.32			84.5300	82.8200				10.0			25		34.94	41.15	m i ke	BGR
70408008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70408008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	38.60	P		01:04:31.251		9.0		8.41		TAS		9.0	0.84	m_e	mb	4.4
BFO	40.67	P		01:04:48.226		9.0		8.41		TAS		4.3	0.91	m_e	mb	4.2
BRG	37.63	P		01:04:22.781	0.3	9.0		8.41		TAS		7.7	1.01	m_e	mb	4.4
BSEG	34.94	P		01:04:00.611	-0.6	9.0		8.41		TAS		15.2	0.88	m_e	mb	4.9
BUG	37.69	P		01:04:23.639	0.1	9.0		8.41		TAS		11.5	0.91	m_e	mb	4.6
CLL	37.28	P		01:04:19.688	-0.5	9.0		8.41		TAS		6.7	0.92	m_e	mb	4.4
CLZ	37.00	P		01:04:18.394	0.4	9.0		8.41		TAS		13.7	0.96	m_e	mb	4.7
FBE	37.63	P		01:04:23.150	0.5	9.0		8.41		TAS		19.5	0.89	m_e	mb	4.8
FLT1	36.44	P		01:04:12.790	-0.2	9.0		8.41		TAS		9.1	0.81	m_e	mb	4.7
GEC2	39.66	P		01:04:40.528		9.0		8.41		TAS		6.1	0.87	m_e	mb	4.2
GRA1	39.05	P		01:04:35.470		9.0		8.41		TAS		17.8	0.84	m_e	mb	4.7
GTTG	37.33	P		01:04:21.175	0.0	9.0		8.41		TAS		39.6	1.35	m_e	mb	5.0
GUNZ	38.28	P		01:04:29.035	0.0	9.0		8.41		TAS		17.3	0.85	m_e	mb	4.8
IBBN	36.79	P		01:04:16.031	0.1	9.0		8.41		TAS		7.0	1.09	m_e	mb	4.3
KAST	37.82	P		01:04:25.186	0.2	9.0		8.41		TAS		8.3	0.94	m_e	mb	4.4
MOX	38.07	P		01:04:27.098	0.5	9.0		8.41		TAS		13.6	0.83	m_e	mb	4.7
NRDL	36.38	P		01:04:12.642	0.3	9.0		8.41		TAS		5.0	0.80	m_e	mb	4.4
RJOB	40.84	P		01:04:50.097		9.0		8.41		TAS		5.0	0.74	m_e	mb	4.3
ROTZ	38.88	P		01:04:34.063		9.0		8.41		TAS		3.1	0.87	m_e	mb	3.9
STU	40.15	P		01:04:44.169		9.0		8.41		TAS		37.0	0.95	m_e	mb	5.0
TNS	38.79	P		01:04:33.060		9.0		8.41		TAS		7.5	0.90	m_e	mb	4.3
UBBA	38.05	P		01:04:26.416	0.1	9.0		8.41		TAS		2.3	0.68	m_e	mb	4.0
UBR	41.15	P		01:04:52.712		9.0		8.41		TAS		8.5	0.88	m_e	mb	4.5
WERD	38.20	P		01:04:28.165	-0.4	9.0		8.41		TAS		12.2	1.07	m_e	mb	4.6
WERN	38.35	P		01:04:29.794	-0.3	9.0		8.41		TAS		26.6	0.81	m_e	mb	5.0
WLF	39.56	P		01:04:39.462		9.0		8.41		TAS		6.3	0.92	m_e	mb	4.2

Event 70408003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/08	01:13:10.46			-21.6100	-178.4400				600.0			28		147.04	153.09	m i ke	BGR
70408009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.80		PKPbc	01:32:00.036	-0.4	17.6		2.33		TAS					m_e
ASSE	148.73		PKPbc	01:31:54.614	0.0	17.6		2.33		TAS					m_e
BFO	152.79		PKPbc	01:32:03.769		17.6		2.33		TAS					m_e
BFO	152.79		PKPab	01:32:16.947		17.6		2.33		TAS					m_e
BSEG	147.04		PKPbc	01:31:50.372	-0.2	17.6		2.33		TAS					m_e
BUG	149.89		PKPbc	01:31:57.287	0.3	17.6		2.33		TAS					m_e
CLL	149.04		PKPbc	01:31:55.365	0.1	17.6		2.33		TAS					m_e
CLZ	149.06		PKPbc	01:31:55.738	0.1	17.6		2.33		TAS					m_e
FBE	149.32		PKPbc	01:31:56.593	0.3	17.6		2.33		TAS					m_e
FLT1	148.43		PKPbc	01:31:53.653	-0.1	17.6		2.33		TAS					m_e
FUR	152.38		PKPbc	01:32:03.132		17.6		2.33		TAS					m_e
FUR	152.38		PKPab	01:32:15.966		17.6		2.33		TAS					m_e
GEC2	151.15		PKPbc	01:32:00.329		17.6		2.33		TAS					m_e
GRA1	150.95		PKPbc	01:32:00.013		17.6		2.33		TAS					m_e
GRA1	150.95		PKPab	01:32:09.919		17.6		2.33		TAS					m_e
GUNZ	150.07		PKPbc	01:31:58.202	0.2	17.6		2.33		TAS					m_e
GUNZ	150.07		PKPab	01:32:05.782		17.6		2.33		TAS					m_e
IBBN	148.99		PKPbc	01:31:55.161	-0.3	17.6		2.33		TAS					m_e
KAST	149.98		PKPbc	01:31:57.709	0.0	17.6		2.33		TAS					m_e
MOX	149.96		PKPbc	01:31:57.643	0.4	17.6		2.33		TAS					m_e
NEUB	149.41		PKPbc	01:31:56.299	0.3	17.6		2.33		TAS					m_e
PLN	150.00		PKPbc	01:31:57.828	0.2	17.6		2.33		TAS					m_e
RETH	148.35		PKPbc	01:31:53.639	0.3	17.6		2.33		TAS					m_e
RJOB	152.41		PKPbc	01:32:02.759		17.6		2.33		TAS					m_e
RJOB	152.41		PKPab	01:32:16.283		17.6		2.33		TAS					m_e
ROTZ	150.66		PKPbc	01:31:59.256	-0.7	17.6		2.33		TAS					m_e
STU	152.22		PKPbc	01:32:03.011		17.6		2.33		TAS					m_e
TNS	150.93		PKPbc	01:32:00.106	-0.2	17.6		2.33		TAS					m_e
TNS	150.93		PKPab	01:32:09.428		17.6		2.33		TAS					m_e
UBBA	150.10		PKPbc	01:31:57.626	0.4	17.6		2.33		TAS					m_e
UBR	153.09		PKPbc	01:32:04.594		17.6		2.33		TAS					m_e
WERD	150.00		PKPbc	01:31:57.950	-0.2	17.6		2.33		TAS					m_e
WERN	150.14		PKPbc	01:31:58.346	-0.1	17.6		2.33		TAS					m_e
WERN	150.14		PKPab	01:32:06.146		17.6		2.33		TAS					m_e
WLF	151.77		PKPbc	01:32:02.348		17.6		2.33		TAS					m_e

Event 70408004 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/08	13:52:59.76	0.39	1.84	41.2800	20.0270	23.3	8.9	53	20.0				36 336	6.55	12.91	m i ke	BGR
70408010																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.5		BGR	70408010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	12.26		Sn	13:58:00.480	-0.8					T__					m_e
ABH	12.26		Pn	13:55:52.618	1.2					T__					m_e
AHRW	12.91		Pn	13:56:00.690	0.5					T__					m_e
ARSA	6.79		Sn	13:55:48.798	-2.6					T__					m_e
ARSA	6.79		Pn	13:54:36.951	-0.6					T__					m_e ML 5.2
BALST	10.71		Pn	13:55:30.762	0.3					T__					m_e
BALST	10.71		Sn	13:57:23.488	-1.0					T__					m_e
BERGE	10.71		Pn	13:55:29.520	-1.0					T__					m_e
BERGE	10.71		Sn	13:57:23.256	-1.3					T__					m_e
BFO	10.89		Sn	13:57:28.641	-0.2					T__					m_e
BFO	10.89		Pn	13:55:32.150	-0.8					T__					m_e
DAVA	9.43		Sn	13:56:54.182	0.0					T__					m_e
DAVA	9.43		Pn	13:55:13.442	0.2					T__					m_e
ECH	11.47		Sn	13:57:39.039	-3.6					T__					m_e
ECH	11.47		Pn	13:55:39.968	-0.9					T__					m_e
EMING	10.35		Pn	13:55:25.292	-0.4					T__					m_e
FUR	9.28		Sg	13:57:58.974	4.6					T__					m_e
FUR	9.28		Pn	13:55:11.001	-0.2					T__					m_e
GEC2	8.79		Sn	13:56:38.698	-0.2					T__					m_e
GEC2	8.79		Pn	13:55:04.498	-0.1					T__					m_e ML 5.3
GEC2	8.79		Sg	13:57:39.541	0.8					T__					m_e
GRA1	10.43		Pn	13:55:25.295	-1.5					T__					m_e
GRFO	10.43		Pn	13:55:25.245	-1.5					T__					m_e
KBA	7.53		Sn	13:56:14.157	5.2					T__					m_e
KBA	7.53		Sg	13:56:56.500	-2.2					T__					m_e
KBA	7.53		Pn	13:54:47.554	0.0					T__					m_e ML 5.5
METMA	10.58		Pn	13:55:27.754	-1.1					T__					m_e
MILB	11.38		Pn	13:55:38.686	-0.9					T__					m_e
MOA	7.75		Sn	13:56:15.820	1.6					T__					m_e
MOA	7.75		Sg	13:57:06.970	1.2					T__					m_e
MOA	7.75		Pn	13:54:50.924	0.4					T__					m_e ML 5.4
MOX	11.04		Pn	13:55:34.750	-0.2					T__					m_e
NORI	9.98		Sn	13:57:04.913	-2.2					T__					m_e
NORI	9.98		Pn	13:55:19.768	-0.9					T__					m_e
OBER	9.28		Sg	13:57:53.966	-0.4					T__					m_e
OBER	9.28		Pn	13:55:11.608	0.4					T__					m_e
OBER	9.28		Sn	13:56:51.502	1.0					T__					m_e
OBKA	6.55		Sg	13:56:23.464	-4.5					T__					m_e
OBKA	6.55		Pn	13:54:33.737	-0.7					T__					m_e ML 5.7

PART	8.90	Pn	13:55:06.719	0.6	T__	m_e ML	5.4
PART	8.90	Sn	13:56:41.214	-0.5	T__	m_e	
PLONS	9.58	Sn	13:56:59.130	1.5	T__	m_e	
PLONS	9.58	Pn	13:55:16.706	1.5	T__	m_e	
RIVT	12.54	Pn	13:55:56.695	1.5	T__	m_e	
RJOB	8.27	Sn	13:56:32.406	5.9	T__	m_e	
RJOB	8.27	Pn	13:54:58.390	0.8	T__	m_e ML	5.4
ROTZ	10.10	Pn	13:55:21.181	-1.1	T__	m_e	
SLE	10.47	Pn	13:55:26.365	-1.0	T__	m_e	
STU	10.71	Pn	13:55:30.055	-0.5	T__	m_e	
SULZ	10.56	Pn	13:55:28.734	0.2	T__	m_e	
TNS	12.04	Sn	13:57:52.570	-3.6	T__	m_e	
TNS	12.04	Pn	13:55:48.271	-0.3	T__	m_e	
UBR	9.55	Sn	13:56:55.078	-1.8	T__	m_e	
UBR	9.55	Pn	13:55:15.008	0.2	T__	m_e	
WALHA	10.12	Sg	13:58:23.047	2.0	T__	m_e	
WALHA	10.12	Pn	13:55:22.349	-0.2	T__	m_e	
WILA	10.05	Pn	13:55:21.650	0.1	T__	m_e	
WLF	12.83	Pn	13:56:01.743	2.5	T__	m_e	
WTTA	8.48	Sn	13:56:31.139	-0.5	T__	m_e	
WTTA	8.48	Pn	13:55:01.200	0.7	T__	m_e ML	5.8
ZUGS	8.92	Sn	13:56:42.309	0.2	T__	m_e	
ZUGS	8.92	Pn	13:55:10.582	4.2	T__	m_e ML	5.8

Event 70408006 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
2017/04/08	22:20:18.08			38.1990	142.0570				49.5	0.4		33		77.69	84.54	m i ke	BGR
	70408012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70408012
Ms	4.4		BGR	70408012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.18		P	22:32:36.563	0.0	36.9		5.24		TAS		16.0	1.00	a_e mb	5.2
ASSE	80.57		P	22:32:23.263	-0.2	36.9		5.24		TAS		13.0	1.18	a_e mb	4.8
BFO	84.54		P	22:32:43.563		36.9		5.24		TAS		34.4	1.05	a_e mb	5.5
BFO	84.54		pP	22:32:57.946	45.2					T__				m_e	
BRG	80.31		P	22:32:21.763	-0.4	36.9		5.24		TAS		15.6	0.99	a_e mb	4.9
BSEG	79.25		P	22:32:16.263	0.1	36.9		5.24		TAS				a_e	
BUG	82.36		P	22:32:32.263	-0.2	36.9		5.24		TAS		13.3	0.91	a_e mb	5.1
CLL	80.34		P	22:32:21.563	0.1	36.9		5.24		TAS		30.2	0.97	a_e mb	5.2
CLZ	80.92		P	22:32:25.313	0.1	36.9		5.24		TAS		32.4	1.13	a_e mb	5.3
FBE	80.51		P	22:32:23.013	0.0	36.9		5.24		TAS		28.7	0.99	a_e mb	5.3
FLT1	80.20		P	22:32:20.713	-0.1	36.9		5.24		TAS		28.8	1.01	a_e mb	5.2

FUR	83.52	P	22:32:38.663	0.4	36.9	5.24	TAS	42.0	0.90	a_e	mb	5.7
GEC2	81.99	P	22:32:30.413	0.5	36.9	5.24	TAS	13.8	1.13	a_e	mb	5.0
GOR1	79.65	P	22:32:18.563	0.2	36.9	5.24	TAS	36.4	1.21	a_e	mb	5.2
GRA1	82.32	P	22:32:32.813	0.0	36.9	5.24	TAS	34.1	1.06	a_e	mb	5.4
GRA1	82.32	L	23:12:26.717				T__	141.4	19.20	a_e	Ms	4.3
GTTG	81.30	P	22:32:27.163	0.2	36.9	5.24	TAS	23.7	1.00	a_e	mb	5.2
GUNZ	81.35	P	22:32:27.463	0.1	36.9	5.24	TAS	12.7	0.98	a_e	mb	4.9
IBBN	81.48	P	22:32:27.913	-0.2	36.9	5.24	TAS	39.1	1.09	a_e	mb	5.4
KAST	82.15	P	22:32:31.463	-0.2	36.9	5.24	TAS	10.4	0.92	a_e	mb	5.0
MOX	81.40	P	22:32:27.663	0.5	36.9	5.24	TAS	22.2	1.46	a_e	mb	5.0
MOX	81.40	L	23:13:28.172				T__	155.8	19.60	a_e	Ms	4.4
NEUB	80.91	P	22:32:24.713	0.3	36.9	5.24	TAS	36.8	1.07	a_e	mb	5.3
NRDL	80.49	P	22:32:22.763	0.1	36.9	5.24	TAS	12.2	0.93	a_e	mb	4.8
PLN	81.32	P	22:32:27.263	0.2	36.9	5.24	TAS	11.6	1.25	a_e	mb	4.8
RETH	80.56	P	22:32:23.113	0.1	36.9	5.24	TAS	26.1	1.03	a_e	mb	5.2
RGN	77.69	P	22:32:07.813	-0.2	36.9	5.24	TAS	68.1	1.21	a_e	mb	5.6
RJOB	83.24	P	22:32:37.496	-0.1	36.9	5.24	TAS	26.6	0.97	m_e	mb	5.4
ROTZ	81.87	P	22:32:30.463	0.0	36.9	5.24	TAS	7.8	1.43	m_e	mb	4.6
ROTZ	81.87	pP	22:32:44.727	45.2			T__			m_e		
RUE	79.13	P	22:32:15.513	-0.1	36.9	5.24	TAS	22.7	0.97	a_e	mb	5.2
STU	83.85	P	22:32:40.213	-0.5	36.9	5.24	TAS	86.0	1.22	a_e	mb	5.8
STU	83.85	pP	22:32:54.658	45.2			T__			m_e		
TNS	82.94	P	22:32:35.613	0.2	36.9	5.24	TAS	13.9	1.13	a_e	mb	5.1
UBR	84.37	P	22:32:42.613		36.9	5.24	TAS	17.0	1.36	a_e	mb	5.1
WERD	81.29	P	22:32:27.063	0.1	36.9	5.24	TAS	14.8	1.31	a_e	mb	4.9
WERN	81.39	P	22:32:27.713	0.1	36.9	5.24	TAS	16.1	0.99	a_e	mb	5.0
WERN	81.39	pP	22:32:41.936	45.2			T__			m_e		
WLF	84.24	P	22:32:42.763	-0.4	36.9	5.24	TAS	30.6	1.47	a_e	mb	5.3

Event 70408005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/08	22:23:13.15	0.34	0.75	51.5080	16.1430	4.4	2.2	18	1.0			14	200	0.67	3.62	m i ki	BGR
70408011																	

Magnitude Err Nsta Author OrigID
 ML 4.3 BGR 70408011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.52		Sg	22:24:01.952	0.4					T__				m_e	
BRG	1.52		Pn	22:23:40.121	-0.5					T__				m_e	ML 4.3
CLL	1.98		Sg	22:24:15.982	0.1					T__				m_e	
CLL	1.98		Pn	22:23:46.391	-0.4					T__				m_e	ML 4.1
CLL	1.98		Pg	22:23:49.884	-0.5					T__				m_e	
CLZ	3.61		Sg	22:25:08.597	1.0					T__				m_e	
CLZ	3.61		Pn	22:24:09.434	0.7					T__				m_e	ML 4.4

CLZ	3.61	Pg	22:24:20.898	-0.2	T__	m_e	
DPC	1.16	Sg	22:23:51.377	1.3	T__	m_e	
DPC	1.16	Pg	22:23:34.986	-0.1	T__	m_e ML	4.4
FBE	1.85	Sg	22:24:11.653	-0.2	T__	m_e	
FBE	1.85	Pn	22:23:44.824	-0.2	T__	m_e ML	4.1
FBE	1.85	Pg	22:23:47.396	-0.6	T__	m_e	
GEC2	3.09	Sg	22:24:50.112	-1.2	T__	m_e	
GEC2	3.09	Pn	22:24:02.601	0.8	T__	m_e ML	4.4
GEC2	3.09	Pg	22:24:11.399	0.0	T__	m_e	
GRA1	3.62	Sg	22:25:08.950	0.8	T__	m_e	
GRA1	3.62	Pn	22:24:10.186	1.2	T__	m_e ML	4.9
GRA1	3.62	Pg	22:24:22.179	0.8	T__	m_e	
KSP	0.67	Sg	22:23:35.473	0.9	T__	m_e	
KSP	0.67	Pg	22:23:26.210	0.4	T__	m_e ML	3.6
MORC	1.95	Sg	22:24:14.786	-0.2	T__	m_e	
MORC	1.95	Pn	22:23:46.735	0.3	T__	m_e ML	4.4
MOX	2.98	Sg	22:24:49.123	1.3	T__	m_e	
MOX	2.98	Pn	22:24:00.549	0.2	T__	m_e ML	4.6
MOX	2.98	Pg	22:24:08.802	-0.5	T__	m_e	
OJC	2.65	Sg	22:24:37.553	0.3	T__	m_e	
OJC	2.65	Pn	22:23:54.740	-1.1	T__	m_e	
OJC	2.65	Pg	22:24:02.951	-0.1	T__	m_e	
OKC	2.10	Sg	22:24:19.136	-0.8	T__	m_e	
OKC	2.10	Pn	22:23:48.154	-0.3	T__	m_e ML	3.9
OKC	2.10	Pg	22:23:52.836	0.1	T__	m_e	
ROTZ	3.05	Sg	22:24:48.827	-1.2	T__	m_e	
ROTZ	3.05	Pn	22:24:01.786	0.5	T__	m_e ML	4.3
ROTZ	3.05	Pg	22:24:08.970	-1.6	T__	m_e	
WERD	2.65	Sg	22:24:35.845	-1.3	T__	m_e	
WERD	2.65	Pn	22:23:55.949	0.5	T__	m_e ML	4.3
WERD	2.65	Pg	22:24:02.395	-0.6	T__	m_e	

Event 70409001 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/09	00:14:26.19			-53.1500	141.6000				10.0			31		147.53	152.41	m i ke	BGR
70409007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.14		PKPbc	00:34:21.795	-0.1	115.1		2.55		TAS				a_e	
ASSE	150.66		PKPbc	00:34:18.195	0.1	115.1		2.55		TAS				m_e	
BFO	150.46		PKPbc	00:34:17.519	0.3	115.1		2.55		TAS				m_e	
BRG	148.29		PKPbc	00:34:12.145	0.0	115.1		2.55		TAS				a_e	
BSEG	151.49		PKPbc	00:34:20.338	-0.1	115.1		2.55		TAS				m_e	

BUG	152.38	PKPbc	00:34:22.295		115.1		2.55	TAS		a_e
CLL	149.01	PKPbc	00:34:13.895	0.5	115.1		2.55	TAS		a_e
CLZ	150.73	PKPbc	00:34:18.645	0.2	115.1		2.55	TAS		a_e
FBE	148.65	PKPbc	00:34:13.395	0.4	115.1		2.55	TAS		a_e
FLT1	150.42	PKPbc	00:34:17.345	-0.0	115.1		2.55	TAS		a_e
FUR	148.64	PKPbc	00:34:13.145	0.1	115.1		2.55	TAS		a_e
GEC2	147.53	PKPbc	00:34:09.318	-0.8	115.1		2.55	TAS		m_e
GRA1	149.36	PKPbc	00:34:15.195	0.1	115.1		2.55	TAS		a_e
GTTG	150.85	PKPbc	00:34:18.745	-0.3	115.1		2.55	TAS		a_e
GUNZ	149.01	PKPbc	00:34:14.395	0.2	115.1		2.55	TAS		a_e
IBBN	152.41	PKPbc	00:34:22.545		115.1		2.55	TAS		a_e
KAST	151.62	PKPbc	00:34:20.583	0.1	115.1		2.55	TAS		m_e
MOX	149.54	PKPbc	00:34:15.303	0.1	115.1		2.55	TAS		m_e
NEUB	149.67	PKPbc	00:34:15.695	-0.1	115.1		2.55	TAS		a_e
NRDL	151.12	PKPbc	00:34:19.492	-0.2	115.1		2.55	TAS		m_e
PLN	149.16	PKPbc	00:34:14.545	0.1	115.1		2.55	TAS		a_e
RETH	151.63	PKPbc	00:34:20.541	-0.2	115.1		2.55	TAS		m_e
RJOB	147.54	PKPbc	00:34:09.745	-0.5	115.1		2.55	TAS		a_e
ROTZ	148.82	PKPbc	00:34:13.645	0.2	115.1		2.55	TAS		a_e
RUE	149.03	PKPbc	00:34:13.745	-0.1	115.1		2.55	TAS		a_e
STU	150.15	PKPbc	00:34:16.790	-0.3	115.1		2.55	TAS		m_e
TNS	151.21	PKPbc	00:34:19.703	0.0	115.1		2.55	TAS		m_e
UBR	149.10	PKPbc	00:34:14.445	0.4	115.1		2.55	TAS		a_e
WERD	149.06	PKPbc	00:34:14.245	0.3	115.1		2.55	TAS		a_e
WERN	148.95	PKPbc	00:34:14.196	0.5	115.1		2.55	TAS		m_e
WLF	152.33	PKPbc	00:34:22.545		115.1		2.55	TAS		a_e

Event 70409003 Off coast of central America

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/09	03:09:49.76			5.4290	-83.4910				10.0			22		85.67	90.68	m i ke	BGR
70409009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70409009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	88.31		P	03:22:42.193	0.6	277.1		4.70		TAS		4.2	0.95	m_e mb	4.7
BFO	87.20		P	03:22:35.799	0.4	277.1		4.70		TAS		3.2	1.01	m_e mb	4.4
BRG	90.51		P	03:22:51.808		277.1		4.70		TAS		1.4	0.76	m_e mb	4.4
BSEG	87.90		P	03:22:38.592	0.7	277.1		4.70		TAS		5.1	0.79	m_e mb	4.9
BUG	86.27		P	03:22:31.109	-0.1	277.1		4.70		TAS		5.1	0.77	m_e mb	4.7
CLL	89.86		P	03:22:48.369		277.1		4.70		TAS		2.9	0.90	m_e mb	4.5
CLZ	88.16		P	03:22:41.394	0.5	277.1		4.70		TAS		8.0	0.88	m_e mb	5.1
FLT1	88.63		P	03:22:42.759	0.5	277.1		4.70		TAS		7.0	0.84	m_e mb	4.9
GEC2	90.68		P	03:22:51.587		277.1		4.70		TAS		2.4	0.98	m_e mb	4.5

GRA1	88.95	P	03:22:44.483	-0.3	277.1	4.70	TAS	4.3	0.88	m_e	mb	4.7
GTTG	87.94	P	03:22:40.050	0.1	277.1	4.70	TAS	9.5	1.13	m_e	mb	5.0
GUNZ	89.57	P	03:22:47.465		277.1	4.70	TAS	2.0	0.88	m_e	mb	4.4
IBBN	86.51	P	03:22:32.810	-0.3	277.1	4.70	TAS	6.8	0.84	m_e	mb	4.8
KAST	87.01	P	03:22:35.018	-0.2	277.1	4.70	TAS	2.6	0.84	m_e	mb	4.4
MOX	89.08	P	03:22:45.469	-0.3	277.1	4.70	TAS	3.4	1.06	m_e	mb	4.5
NEUB	89.11	P	03:22:45.672	0.1	277.1	4.70	TAS	3.5	0.84	m_e	mb	4.6
RJOB	90.24	P	03:22:50.177		277.1	4.70	TAS	3.5	1.14	m_e	mb	4.5
STU	87.73	P	03:22:38.395	0.8	277.1	4.70	TAS	21.2	1.00	m_e	mb	5.4
UBR	88.45	P	03:22:42.715	-0.6	277.1	4.70	TAS	2.7	0.95	m_e	mb	4.6
WERD	89.54	P	03:22:46.545		277.1	4.70	TAS	3.3	0.88	m_e	mb	4.6
WERN	89.61	P	03:22:47.939		277.1	4.70	TAS	3.2	0.89	m_e	mb	4.6
WLF	85.67	P	03:22:29.189	0.2	277.1	4.70	TAS	5.8	0.87	m_e	mb	4.7

Event 70410001 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/10	00:44:02.64			14.9900	124.6200				10.0			32		90.40	95.97	m i ke	BGR
70410007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70410007
Ms	5.6		BGR	70410007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	95.01	P		00:57:25.418		62.6		4.59		TAS		30.0	1.42	a_e	mb 5.5
ASSE	92.26	P		00:57:13.068	-0.2	62.6		4.59		TAS		54.5	1.96	a_e	mb 5.5
BRG	90.99	P		00:57:07.118	0.2	62.6		4.59		TAS		27.6	1.51	a_e	mb 5.4
BSEG	91.60	P		00:57:10.068	-0.5	62.6		4.59		TAS		44.7	1.81	a_e	mb 5.5
BUG	94.44	P		00:57:22.818	-0.2	62.6		4.59		TAS		208.3	2.88	a_e	mb 6.0
CLL	91.34	P		00:57:08.368	0.1	62.6		4.59		TAS		24.9	1.52	a_e	mb 5.3
CLZ	92.56	P		00:57:14.519	0.1	62.6		4.59		TAS		31.6	1.45	m_e	mb 5.5
FBE	91.31	P		00:57:08.818	-0.4	62.6		4.59		TAS		51.9	1.69	a_e	mb 5.6
FLT1	91.86	P		00:57:10.618	0.0	62.6		4.59		TAS		76.4	2.19	a_e	mb 5.6
FUR	93.75	P		00:57:19.885	-0.2	62.6		4.59		TAS		413.7	3.12	m_e	mb 6.2
GEC2	92.00	P		00:57:11.818	-0.1	62.6		4.59		TAS		159.4	3.06	a_e	mb 5.8
GOR1	91.52	P		00:57:09.718	0.1	62.6		4.59		TAS		50.7	1.31	a_e	mb 5.7
GRA1	93.08	P		00:57:17.042	0.0	62.6		4.59		TAS		72.7	1.98	m_e	mb 5.8
GRA1	93.08	L		01:42:08.750						T__		2094.0	19.90	a_e	Ms 5.6
GTTG	92.92	P		00:57:16.145	-0.1	62.6		4.59		TAS		27.7	1.34	m_e	mb 5.5
GUNZ	92.14	P		00:57:12.518	0.1	62.6		4.59		TAS		24.7	1.40	a_e	mb 5.3
IBBN	93.74	P		00:57:19.524	0.1	62.6		4.59		TAS		71.2	1.77	m_e	mb 5.7
KAST	93.94	P		00:57:20.818	-0.2	62.6		4.59		TAS		26.0	1.59	a_e	mb 5.3
MOX	92.42	P		00:57:13.542	0.2	62.6		4.59		TAS		19.3	1.38	m_e	mb 5.2
MOX	92.42	L		01:46:31.672						T__		1998.6	18.90	a_e	Ms 5.6
NEUB	92.08	P		00:57:12.018	0.1	62.6		4.59		TAS		26.3	1.18	a_e	mb 5.4

NRDL	92.39	P	00:57:14.018	0.2	62.6	4.59	TAS	38.7	1.51	a_e	mb	5.5
PLN	92.18	P	00:57:12.718	0.4	62.6	4.59	TAS	21.7	1.48	a_e	mb	5.3
RETH	92.68	P	00:57:14.818	-0.0	62.6	4.59	TAS	38.0	1.46	m_e	mb	5.6
RJOB	93.03	P	00:57:16.518	-0.3	62.6	4.59	TAS	155.6	3.16	a_e	mb	5.9
ROTZ	92.48	P	00:57:14.223	-0.1	62.6	4.59	TAS	6.2	1.52	m_e	mb	4.7
RUE	90.40	P	00:57:04.330	-0.1	62.6	4.59	TAS	59.9	1.32	m_e	mb	5.7
STU	94.69	P	00:57:24.018		62.6	4.59	TAS	67.8	1.64	m_e	mb	5.8
TNS	94.41	P	00:57:22.926	-0.1	62.6	4.59	TAS	222.5	3.33	m_e	mb	5.9
UBBA	93.25	P	00:57:17.405	0.1	62.6	4.59	TAS	209.2	3.43	m_e	mb	6.0
UBR	94.67	P	00:57:23.816	0.2	62.6	4.59	TAS	340.8	3.30	m_e	mb	6.2
WERD	92.12	P	00:57:12.268	0.1	62.6	4.59	TAS	17.4	1.39	a_e	mb	5.2
WERN	92.15	P	00:57:12.618	0.1	62.6	4.59	TAS	23.5	1.56	a_e	mb	5.3
WLF	95.97	P	00:57:30.196		62.6	4.59	TAS	39.9	1.30	m_e	mb	5.8

Event 70410004 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/10	06:57:31.12			37.3000	72.7400			110.0				18		43.23	47.60	m i ke	BGR
70410010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70410010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	47.60		P	07:05:56.404		82.6		7.95		TAS		7.3	0.62	m_e	mb	5.0
BRG	43.23		P	07:05:21.478	0.4	82.6		7.95		TAS		8.9	0.83	m_e	mb	4.5
BSEG	45.18		P	07:05:36.856		82.6		7.95		TAS		18.4	0.78	m_e	mb	5.1
CLL	43.78		P	07:05:24.312	0.5	82.6		7.95		TAS		6.8	0.79	m_e	mb	4.4
CLZ	45.36		P	07:05:37.610		82.6		7.95		TAS		4.5	0.79	m_e	mb	4.5
FBE	43.60		P	07:05:24.741	0.1	82.6		7.95		TAS		12.1	0.83	m_e	mb	4.7
FLT1	44.77		P	07:05:33.209	-0.3	82.6		7.95		TAS		19.3	0.71	m_e	mb	5.1
GTTG	45.65		P	07:05:40.454		82.6		7.95		TAS		14.6	0.90	m_e	mb	5.0
GUNZ	44.31		P	07:05:30.077	-0.2	82.6		7.95		TAS		4.1	0.88	m_e	mb	4.2
IBBN	46.90		P	07:05:49.994		82.6		7.95		TAS		8.5	0.65	m_e	mb	5.0
KAST	46.65		P	07:05:48.133		82.6		7.95		TAS		3.2	0.84	m_e	mb	4.5
MOX	44.73		P	07:05:33.417	-0.4	82.6		7.95		TAS		4.5	0.82	m_e	mb	4.4
NRDL	45.44		P	07:05:39.047		82.6		7.95		TAS		12.1	0.85	m_e	mb	4.9
RJOB	44.37		P	07:05:30.351	-0.6	82.6		7.95		TAS		3.0	0.86	m_e	mb	4.0
ROTZ	44.46		P	07:05:31.834	-0.1	82.6		7.95		TAS		1.0	0.91	m_e	mb	3.6
UBBA	45.72		P	07:05:41.837		82.6		7.95		TAS		2.0	0.71	m_e	mb	4.3
UBR	46.17		P	07:05:43.604		82.6		7.95		TAS		6.9	0.76	m_e	mb	4.8
WERD	44.31		P	07:05:29.913	0.8	82.6		7.95		TAS		3.4	0.86	m_e	mb	4.1

Event 70412003 Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/12	07:34:57.00			38.5000	134.5000				440.0			21		76.89	81.22	m i ke	BGR
OrigID 70412009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70412009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.03		P	07:46:18.866		41.8		5.33		TAS		9.8	0.79	m_e	mb	4.8
BFO	81.22		P	07:46:25.406		41.8		5.33		TAS		7.7	0.88	m_e	mb	4.7
BRG	76.89		P	07:46:02.580	0.0	41.8		5.33		TAS		3.5	0.73	m_e	mb	4.6
BUG	79.26		P	07:46:15.189		41.8		5.33		TAS		9.0	0.80	m_e	mb	4.9
CLL	76.98		P	07:46:02.878	0.3	41.8		5.33		TAS		12.2	0.76	m_e	mb	5.1
CLZ	77.70		P	07:46:07.426	-0.2	41.8		5.33		TAS		7.3	0.78	m_e	mb	4.9
FBE	77.11		P	07:46:04.139	0.2	41.8		5.33		TAS		8.3	0.74	m_e	mb	5.0
FLT1	76.98		P	07:46:02.657	-0.5	41.8		5.33		TAS		9.4	0.75	m_e	mb	5.0
GEC2	78.46		P	07:46:10.831		41.8		5.33		TAS		2.7	0.88	m_e	mb	4.4
GRA1	78.94		P	07:46:14.378		41.8		5.33		TAS		14.8	0.73	m_e	mb	5.1
GTTG	78.09		P	07:46:08.932	-0.4	41.8		5.33		TAS		8.8	0.95	m_e	mb	4.9
GUNZ	77.96		P	07:46:08.750	0.4	41.8		5.33		TAS		3.6	0.75	m_e	mb	4.6
KAST	78.98		P	07:46:14.409		41.8		5.33		TAS		3.4	0.79	m_e	mb	4.4
MOX	78.06		P	07:46:09.000	-0.5	41.8		5.33		TAS		3.0	0.76	m_e	mb	4.5
NEUB	77.59		P	07:46:06.435	-0.2	41.8		5.33		TAS		16.9	0.67	m_e	mb	5.3
RJOB	79.69		P	07:46:18.033		41.8		5.33		TAS		4.1	0.75	m_e	mb	4.4
ROTZ	78.46		P	07:46:10.474		41.8		5.33		TAS		0.7	0.80	m_e	mb	3.9
TNS	79.72		P	07:46:17.746		41.8		5.33		TAS		2.7	0.74	m_e	mb	4.3
WERD	77.91		P	07:46:07.647	0.7	41.8		5.33		TAS		2.2	0.80	m_e	mb	4.3
WERN	78.00		P	07:46:08.831	0.0	41.8		5.33		TAS		2.7	0.82	m_e	mb	4.4
WET	78.62		P	07:46:11.731		41.8		5.33		TAS		2.4	0.85	m_e	mb	4.3

Event 70412007 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/12	13:55:44.59			29.6920	130.9450				33.0			27		82.22	85.98	m i ke	BGR
OrigID 70412013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	70412013
Ms	4.8		BGR	70412013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.98		P	14:08:20.058		49.3		5.06		TAS		22.3	1.13	m_e	mb	5.2
ASSE	83.24		P	14:08:06.450	0.1	49.3		5.06		TAS		16.0	1.08	m_e	mb	5.2
BRG	82.47		P	14:08:02.320	0.2	49.3		5.06		TAS		8.0	0.85	m_e	mb	4.9

BSEG	82.22	P	14:08:01.308	-0.4	49.3	5.06	TAS	25.9	0.71	a_e	mb	5.5
BUG	85.28	P	14:08:16.558		49.3	5.06	TAS	29.5	1.11	a_e	mb	5.4
CLL	82.66	P	14:08:03.258	-0.4	49.3	5.06	TAS	32.0	0.70	a_e	mb	5.7
CLZ	83.57	P	14:08:08.658	0.2	49.3	5.06	TAS	77.2	1.00	a_e	mb	5.9
FBE	82.74	P	14:08:04.208	-0.1	49.3	5.06	TAS	54.9	1.58	a_e	mb	5.5
FLT1	82.85	P	14:08:04.108	0.2	49.3	5.06	TAS	39.6	0.74	a_e	mb	5.7
GEC2	83.87	P	14:08:09.408	-0.0	49.3	5.06	TAS	18.8	1.06	m_e	mb	5.2
GOR1	82.39	P	14:08:02.508	-0.4	49.3	5.06	TAS	68.6	1.19	a_e	mb	5.7
GRA1	84.57	P	14:08:13.608	-0.0	49.3	5.06	TAS	52.6	1.26	a_e	mb	5.6
GRA1	84.57	L	14:51:15.160				T__	319.6	19.00	a_e	Ms	4.7
GTTG	83.96	P	14:08:10.358	-0.0	49.3	5.06	TAS	58.8	0.86	a_e	mb	5.8
GUNZ	83.59	P	14:08:08.358	-0.1	49.3	5.06	TAS	29.7	0.87	a_e	mb	5.5
IBBN	84.46	P	14:08:12.608	-0.2	49.3	5.06	TAS	76.5	0.93	a_e	mb	5.9
KAST	84.91	P	14:08:15.058	-0.3	49.3	5.06	TAS	23.4	0.94	a_e	mb	5.4
MOX	83.76	P	14:08:09.108	-0.1	49.3	5.06	TAS	13.5	0.82	a_e	mb	5.2
MOX	83.76	L	14:49:46.859				T__	394.7	18.20	a_e	Ms	4.8
NEUB	83.33	P	14:08:07.008	-0.1	49.3	5.06	TAS	57.9	0.98	a_e	mb	5.8
NRDL	83.27	P	14:08:06.808	0.0	49.3	5.06	TAS	27.1	1.21	a_e	mb	5.4
PLN	83.60	P	14:08:08.308	-0.3	49.3	5.06	TAS	20.4	1.19	a_e	mb	5.2
RETH	83.45	P	14:08:07.608	0.1	49.3	5.06	TAS	47.8	1.14	a_e	mb	5.6
RJOB	85.04	P	14:08:15.958		49.3	5.06	TAS	16.9	1.10	m_e	mb	5.2
ROTZ	84.04	P	14:08:10.758	0.3	49.3	5.06	TAS	8.0	1.07	a_e	mb	4.9
TNS	85.56	P	14:08:18.258		49.3	5.06	TAS	19.0	0.96	a_e	mb	5.2
UBBA	84.42	P	14:08:12.508	0.3	49.3	5.06	TAS	63.3	1.73	a_e	mb	5.6
WERN	83.62	P	14:08:08.558	0.2	49.3	5.06	TAS	32.6	1.02	a_e	mb	5.5
WET	84.10	P	14:08:10.858	0.1	49.3	5.06	TAS	12.5	1.12	a_e	mb	5.0

Event 70413005 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/13	16:22:24.34			37.3100	28.6700				10.0			31		15.64	20.98	m i ke	BGR
	70413011																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70413011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	20.32		P	16:26:55.274	-0.8	129.3		11.43		TAS		46.7	1.14	m_e	mb	4.6
ASSE	19.49		P	16:26:46.135	-0.5	129.3		11.43		TAS		36.7	1.32	m_e	mb	4.4
BFO	18.49		P	16:26:35.223	0.4	129.3		11.43		TAS		99.2	1.52	m_e	mb	4.7
BRG	17.15		P	16:26:19.393	0.7	129.3		11.43		TAS		118.1	2.00	m_e	mb	4.7
BSEG	20.90		P	16:27:00.873		129.3		11.43		TAS		95.7	1.21	m_e	mb	5.0
BUG	20.72		P	16:26:59.887		129.3		11.43		TAS		191.8	1.80	m_e	mb	5.1
CLL	17.88		P	16:26:29.093	2.0	129.3		11.43		TAS		121.1	1.77	m_e	mb	4.7
CLZ	19.44		P	16:26:46.348	-0.0	129.3		11.43		TAS		82.2	1.61	m_e	mb	4.7
FBE	17.45		P	16:26:22.134	-0.1	129.3		11.43		TAS		160.3	2.10	m_e	mb	4.8

FLT1	19.38	P	16:26:45.153	-0.2	129.3	11.43	TAS	102.2	1.64	m_e	mb	4.8
FUR	16.72	P	16:26:12.691	1.2	129.3	11.43	TAS	282.8	2.20	m_e	mb	5.0
GEC2	15.86	P	16:26:02.895	-2.4	129.3	11.43	TAS	167.8	1.58	m_e	mb	4.9
GRA1	17.65	P	16:26:24.771	0.7	129.3	11.43	TAS	142.4	1.68	m_e	mb	4.8
GTTG	19.44	P	16:26:46.519	-0.7	129.3	11.43	TAS	435.6	2.29	m_e	mb	5.3
GUNZ	17.53	P	16:26:25.186	-0.9	129.3	11.43	TAS	34.6	1.14	m_e	mb	4.4
IBBN	20.98	P	16:27:02.708		129.3	11.43	TAS	173.8	1.83	m_e	mb	5.1
KAST	19.99	P	16:26:51.821	0.6	129.3	11.43	TAS	87.4	1.63	m_e	mb	4.7
MANZ	17.39	P	16:26:23.486	0.8	129.3	11.43	TAS	42.1	1.89	m_e	mb	4.2
MOX	18.06	P	16:26:32.433	1.3	129.3	11.43	TAS	164.1	1.87	m_e	mb	4.8
NRDL	19.99	P	16:26:52.065	-0.7	129.3	11.43	TAS	164.3	1.71	m_e	mb	5.0
PLN	17.70	P	16:26:26.855	1.5	129.3	11.43	TAS	81.6	1.80	m_e	mb	4.6
RETH	20.50	P	16:26:57.193		129.3	11.43	TAS	177.8	1.71	m_e	mb	5.0
RGN	20.20	P	16:26:53.747	-0.4	129.3	11.43	TAS	415.3	1.82	m_e	mb	5.4
RJOB	15.64	P	16:26:02.845	-0.4	129.3	11.43	TAS	35.3	1.31	m_e	mb	4.3
ROTZ	17.20	P	16:26:20.423	0.1	129.3	11.43	TAS	28.2	1.92	m_e	mb	4.1
STU	18.21	P	16:26:32.353	2.1	129.3	11.43	TAS	136.2	1.10	m_e	mb	5.0
TANN	17.50	P	16:26:23.901	0.9	129.3	11.43	TAS	41.8	1.42	m_e	mb	4.4
TNS	19.41	P	16:26:45.604	0.4	129.3	11.43	TAS	208.4	1.60	m_e	mb	5.1
UBR	17.13	P	16:26:18.979	-0.2	129.3	11.43	TAS	79.7	1.47	m_e	mb	4.6
WERN	17.46	P	16:26:24.332	-0.7	129.3	11.43	TAS	121.6	2.20	m_e	mb	4.6
WET	16.46	P	16:26:09.814	-1.6	129.3	11.43	TAS	213.7	1.73	m_e	mb	5.0
WLF	20.39	P	16:26:54.938	-1.1	129.3	11.43	TAS	67.0	1.42	m_e	mb	4.7

Event 70413006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/13	17:05:52.89			-19.2100	-176.9500				495.0	4.7		35		144.89	151.03	m i ke	BGR
	70413012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.57		PKPdf	17:24:39.338	-0.1	16.7		1.60		TAS				m_e	
AHRW	148.57		PKPbc	17:24:42.984	0.3	16.7		1.60		TAS				m_e	
AHRW	148.57		pPKPbc	17:26:38.918						T__				m_e	
ASSE	146.61		PKPbc	17:24:37.573	-0.1	16.7		1.60		TAS				a_e	
BFO	150.64		PKPdf	17:24:42.573		16.7		1.60		TAS				m_e	
BFO	150.64		PKPbc	17:24:48.123	-0.8	16.7		1.60		TAS				a_e	
BRG	147.25		PKPdf	17:24:37.161	0.0	16.7		1.60		TAS				m_e	
BRG	147.25		PKPbc	17:24:39.355	0.4	16.7		1.60		TAS				m_e	
BSEG	144.89		PKPbc	17:24:31.723	-0.1	16.7		1.60		TAS				a_e	
BUG	147.67		PKPdf	17:24:37.638	0.4	16.7		1.60		TAS				m_e	
BUG	147.67		PKPbc	17:24:40.311	0.1	16.7		1.60		TAS				m_e	
CLL	147.02		PKPdf	17:24:36.654	0.2	16.7		1.60		TAS				m_e	
CLL	147.02		PKPbc	17:24:38.467	0.1	16.7		1.60		TAS				m_e	

CLZ	146.93	PKPdf	17:24:36.747	0.0	16.7	1.60	TAS	m_e
CLZ	146.93	PKPbc	17:24:38.201	-0.1	16.7	1.60	TAS	m_e
FBE	147.32	PKPdf	17:24:37.490	0.1	16.7	1.60	TAS	m_e
FBE	147.32	PKPbc	17:24:39.773	0.5	16.7	1.60	TAS	a_e
FLT1	146.33	PKPbc	17:24:36.323	0.0	16.7	1.60	TAS	a_e
FUR	150.36	PKPdf	17:24:42.190		16.7	1.60	TAS	m_e
FUR	150.36	PKPbc	17:24:47.485	-0.8	16.7	1.60	TAS	m_e
GEC2	149.21	PKPdf	17:24:40.254		16.7	1.60	TAS	m_e
GEC2	149.21	PKPbc	17:24:44.573	0.6	16.7	1.60	TAS	a_e
GEC2	149.21	pPKPbc	17:26:40.437				T__	m_e
GOR1	145.68	PKPbc	17:24:34.407	-0.6	16.7	1.60	TAS	m_e
GRA1	148.89	PKPdf	17:24:40.067		16.7	1.60	TAS	m_e
GRA1	148.89	PKPbc	17:24:44.099	-0.1	16.7	1.60	TAS	m_e
GRA1	148.89	PKPab	17:24:48.383		16.7	1.60	TAS	m_e
GRA1	148.89	pPKPbc	17:26:39.506				T__	m_e
GTTG	147.28	PKPdf	17:24:37.490	-0.1	16.7	1.60	TAS	m_e
GTTG	147.28	PKPbc	17:24:39.679	0.3	16.7	1.60	TAS	m_e
GUNZ	148.05	PKPdf	17:24:38.659	0.2	16.7	1.60	TAS	m_e
GUNZ	148.05	PKPbc	17:24:41.793	0.5	16.7	1.60	TAS	m_e
HLG	144.89	PKPbc	17:24:32.688	-0.4	16.7	1.60	TAS	m_e
IBBN	146.76	PKPbc	17:24:37.843	-0.1	16.7	1.60	TAS	m_e
KAST	147.79	PKPdf	17:24:38.103	0.2	16.7	1.60	TAS	m_e
KAST	147.79	PKPbc	17:24:40.801	0.3	16.7	1.60	TAS	m_e
MANZ	148.45	PKPdf	17:24:39.231	-0.3	16.7	1.60	TAS	m_e
MANZ	148.45	PKPbc	17:24:43.011	0.2	16.7	1.60	TAS	m_e
MANZ	148.45	pPKPbc	17:26:38.109				T__	m_e
MOX	147.90	PKPdf	17:24:38.334	0.0	16.7	1.60	TAS	m_e
MOX	147.90	PKPbc	17:24:41.223	0.3	16.7	1.60	TAS	a_e
NEUB	147.35	PKPdf	17:24:37.260	-0.3	16.7	1.60	TAS	m_e
NEUB	147.35	PKPbc	17:24:39.741	-0.2	16.7	1.60	TAS	m_e
NRDL	146.33	PKPbc	17:24:36.623	0.2	16.7	1.60	TAS	a_e
PLN	147.96	PKPdf	17:24:38.265	-0.1	16.7	1.60	TAS	m_e
PLN	147.96	PKPbc	17:24:41.398	0.3	16.7	1.60	TAS	m_e
RETH	146.18	PKPbc	17:24:36.273	-0.3	16.7	1.60	TAS	a_e
RJOB	150.46	PKPdf	17:24:41.992		16.7	1.60	TAS	m_e
RJOB	150.46	PKPbc	17:24:47.344	-0.5	16.7	1.60	TAS	m_e
RJOB	150.46	PKPab	17:24:55.061		16.7	1.60	TAS	m_e
ROTZ	148.64	PKPdf	17:24:39.273	-0.2	16.7	1.60	TAS	m_e
ROTZ	148.64	PKPbc	17:24:43.273	-0.1	16.7	1.60	TAS	a_e
ROTZ	148.64	pPKPbc	17:26:38.617				T__	m_e
RUE	145.76	PKPbc	17:24:34.473	0.0	16.7	1.60	TAS	a_e
STU	150.10	PKPdf	17:24:42.019		16.7	1.60	TAS	m_e
STU	150.10	PKPbc	17:24:47.073	-0.3	16.7	1.60	TAS	a_e
STU	150.10	PKPab	17:24:52.773		16.7	1.60	TAS	m_e
TANN	147.97	PKPdf	17:24:38.339	0.4	16.7	1.60	TAS	m_e
TANN	147.97	PKPbc	17:24:41.489	0.4	16.7	1.60	TAS	m_e
TNS	148.76	PKPdf	17:24:40.208		16.7	1.60	TAS	m_e
TNS	148.76	PKPbc	17:24:43.760	0.4	16.7	1.60	TAS	m_e
TNS	148.76	pPKPbc	17:26:38.659				T__	m_e

UBR	151.03	PKPdf	17:24:43.129	16.7	1.60	TAS	m_e
UBR	151.03	PKPbc	17:24:48.873	16.7	1.60	TAS	m_e
WERN	148.11	PKPdf	17:24:38.602	0.0 16.7	1.60	TAS	m_e
WERN	148.11	PKPbc	17:24:42.073	0.5 16.7	1.60	TAS	a_e
WET	149.11	PKPdf	17:24:40.151	16.7	1.60	TAS	m_e
WET	149.11	PKPbc	17:24:44.246	-0.2 16.7	1.60	TAS	m_e
WET	149.11	pPKPbc	17:26:40.776			T__	m_e
WLF	149.51	PKPdf	17:24:41.622	16.7	1.60	TAS	m_e
WLF	149.51	PKPbc	17:24:46.347	0.0 16.7	1.60	TAS	m_e

Event 70414002 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/14	05:29:45.41			-11.7450	-13.1890				33.5	0.8		34		62.69	68.41	m i ke	BGR
70414008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70414008
Ms	4.9		BGR	70414008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	64.50		P	05:40:20.987	0.3	206.5		6.50		TAS		136.4	1.93	a_e mb	5.8
ASSE	66.87		P	05:40:36.237	0.0	206.5		6.50		TAS		20.1	1.05	a_e mb	5.3
BFO	62.78		P	05:40:09.337	-0.3	206.5		6.50		TAS		77.3	1.45	a_e mb	5.6
BRG	66.69		P	05:40:34.937	-0.1	206.5		6.50		TAS		71.8	1.88	a_e mb	5.6
BSEG	68.41		P	05:40:45.537		206.5		6.50		TAS		106.0	1.46	a_e mb	5.9
BUG	65.38		P	05:40:26.287	-0.1	206.5		6.50		TAS		49.5	1.40	a_e mb	5.5
CLL	66.79		P	05:40:35.537	-0.2	206.5		6.50		TAS		90.5	2.07	a_e mb	5.6
CLZ	66.53		P	05:40:34.037	0.0	206.5		6.50		TAS		124.1	1.96	a_e mb	5.8
CLZ	66.53		pP	05:40:43.286	-45.4					T__				m_e	
FBE	66.55		P	05:40:34.187	0.0	206.5		6.50		TAS		57.9	1.80	a_e mb	5.5
FLT1	67.20		P	05:40:38.187	-0.2	206.5		6.50		TAS		155.4	1.84	a_e mb	5.9
FLT1	67.20		pP	05:40:47.618	-45.4					T__				m_e	
FUR	63.48		P	05:40:14.337	0.1	206.5		6.50		TAS		177.4	1.67	a_e mb	5.9
GEC2	64.84		P	05:40:23.437	0.5	206.5		6.50		TAS		133.7	1.82	a_e mb	5.9
GEC2	64.84		pP	05:40:32.650	-45.4					T__				m_e	
GOR1	67.81		P	05:40:42.437	0.1	206.5		6.50		TAS		184.6	1.55	a_e mb	6.1
GRA1	64.83		P	05:40:22.937	-0.1	206.5		6.50		TAS		156.6	1.93	a_e mb	5.9
GRA1	64.83		L	06:08:06.709						T__		785.3	19.50	a_e Ms	4.9
GTTG	66.15		P	05:40:31.987	0.4	206.5		6.50		TAS		96.3	1.45	a_e mb	5.8
GUNZ	65.75		P	05:40:28.937	-0.1	206.5		6.50		TAS		70.6	1.52	a_e mb	5.7
HLG	68.07		P	05:40:43.287	-0.7	206.5		6.50		TAS		306.9	1.18	a_e mb	6.4
IBBN	66.30		P	05:40:32.487	0.1	206.5		6.50		TAS		238.5	2.11	a_e mb	6.1
KAST	65.44		P	05:40:26.937	0.1	206.5		6.50		TAS		97.7	2.01	a_e mb	5.7
MANZ	65.35		P	05:40:26.437	0.1	206.5		6.50		TAS		38.8	1.92	m_e mb	5.3
MANZ	65.35		pP	05:40:36.083	-45.4					T__				m_e	

MOX	65.79	P	05:40:29.187	-0.1	206.5	6.50	TAS	88.1	1.69	a_e	mb	5.7
MOX	65.79	pP	05:40:38.755	-45.4			T__				m_e	
MOX	65.79	L	06:08:34.607				T__	834.2	20.80	a_e	Ms	4.9
NEUB	66.33	P	05:40:32.637	-0.1	206.5	6.50	TAS	88.3	1.51	a_e	mb	5.8
NRDL	67.05	P	05:40:37.979	0.6	206.5	6.50	TAS	117.1	1.48	m_e	mb	5.9
PLN	65.81	P	05:40:29.187	-0.2	206.5	6.50	TAS	89.0	1.77	a_e	mb	5.7
PLN	65.81	pP	05:40:38.471	-45.4			T__				m_e	
RETH	67.08	P	05:40:38.187	0.7	206.5	6.50	TAS	162.7	1.74	a_e	mb	6.0
RJOB	63.58	P	05:40:14.487	-0.3	206.5	6.50	TAS	53.8	1.85	a_e	mb	5.5
ROTZ	65.18	P	05:40:25.337	0.0	206.5	6.50	TAS	29.8	1.71	a_e	mb	5.2
STU	63.42	P	05:40:13.437	-0.4	206.5	6.50	TAS	214.5	1.84	a_e	mb	6.0
TANN	65.83	P	05:40:29.487	-0.1	206.5	6.50	TAS	71.3	1.51	a_e	mb	5.7
TNS	64.55	P	05:40:21.137	0.0	206.5	6.50	TAS	126.1	1.85	a_e	mb	5.8
TNS	64.55	pP	05:40:30.704	-45.4			T__				m_e	
UBR	62.69	P	05:40:09.087	-0.0	206.5	6.50	TAS	166.7	1.62	a_e	mb	5.9
WERN	65.70	P	05:40:28.637	0.0	206.5	6.50	TAS	95.1	1.76	a_e	mb	5.7
WET	64.84	P	05:40:23.187	0.2	206.5	6.50	TAS	133.1	1.83	a_e	mb	5.9
WLF	63.47	P	05:40:13.987	0.1	206.5	6.50	TAS	104.0	1.56	a_e	mb	5.7

Event 70415001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/14	23:43:01.81			-18.1890	-174.0840				33.0			24		144.16	150.39	m i ke	BGR
	70415007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.87		PKPbc	00:02:47.911		9.6		2.76		TAS					m_e
BRG	146.77		PKPbc	00:02:39.802	0.4	9.6		2.76		TAS					m_e
BSEG	144.16		PKPbc	00:02:31.778	0.0	9.6		2.76		TAS					m_e
CLL	146.48		PKPbc	00:02:38.890	0.2	9.6		2.76		TAS					m_e
CLZ	146.24		PKPbc	00:02:38.610	0.6	9.6		2.76		TAS					m_e
FBE	146.81		PKPbc	00:02:40.312	0.3	9.6		2.76		TAS					m_e
FLT1	145.68		PKPbc	00:02:36.192	0.5	9.6		2.76		TAS					m_e
FUR	149.79		PKPbc	00:02:47.750		9.6		2.76		TAS					m_e
GEC2	148.78		PKPbc	00:02:45.070		9.6		2.76		TAS					m_e
GRA1	148.28		PKPbc	00:02:44.050		9.6		2.76		TAS					m_e
GTTG	146.56		PKPbc	00:02:39.522	0.5	9.6		2.76		TAS					m_e
GUNZ	147.49		PKPbc	00:02:42.061	-0.4	9.6		2.76		TAS					m_e
IBBN	145.92		PKPbc	00:02:36.944	0.4	9.6		2.76		TAS					m_e
MANZ	147.89		PKPbc	00:02:43.083		9.6		2.76		TAS					m_e
NEUB	146.74		PKPbc	00:02:39.879	0.2	9.6		2.76		TAS					m_e
NRDL	145.61		PKPbc	00:02:36.459	0.1	9.6		2.76		TAS					m_e
RJOB	150.00		PKPbc	00:02:47.952		9.6		2.76		TAS					m_e
ROTZ	148.09		PKPbc	00:02:43.534		9.6		2.76		TAS					m_e

RUE	145.23	PKPbc	00:02:34.596	-0.6	9.6	2.76	TAS	m_e
TANN	147.43	PKPbc	00:02:41.678	-0.2	9.6	2.76	TAS	m_e
TNS	147.98	PKPbc	00:02:43.283		9.6	2.76	TAS	m_e
UBR	150.39	PKPbc	00:02:48.985		9.6	2.76	TAS	m_e
WERN	147.56	PKPbc	00:02:41.871	-0.6	9.6	2.76	TAS	m_e
WLF	148.60	PKPbc	00:02:45.534		9.6	2.76	TAS	m_e

Event 70415002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/15	04:53:17.45			-23.4600	-179.1400				530.0		21		148.74	154.48	m i ke	BGR
70415008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	154.48		PKPab	05:12:34.829		15.9		2.10		TAS					m_e
BRG	150.81		PKPbc	05:12:09.871	-0.4	15.9		2.10		TAS					m_e
BRG	150.81		PKPab	05:12:19.034	0.1	15.9		2.10		TAS					m_e
BSEG	148.74		PKPbc	05:12:04.980	-0.2	15.9		2.10		TAS					m_e
BSEG	148.74		PKPab	05:12:10.917	-0.6	15.9		2.10		TAS					m_e
CLL	150.66		PKPbc	05:12:09.288	0.4	15.9		2.10		TAS					m_e
CLL	150.66		PKPab	05:12:18.435	0.0	15.9		2.10		TAS					m_e
CLZ	150.73		PKPab	05:12:19.222	0.0	15.9		2.10		TAS					m_e
FBE	150.92		PKPbc	05:12:10.492		15.9		2.10		TAS					m_e
FBE	150.92		PKPab	05:12:19.819	-0.3	15.9		2.10		TAS					m_e
FLT1	150.10		PKPbc	05:12:07.836	-0.1	15.9		2.10		TAS					m_e
FLT1	150.10		PKPab	05:12:15.388	-0.2	15.9		2.10		TAS					m_e
FUR	153.99		PKPab	05:12:33.327		15.9		2.10		TAS					m_e
GEC2	152.70		PKPbc	05:12:13.678		15.9		2.10		TAS					m_e
GEC2	152.70		PKPab	05:12:27.290		15.9		2.10		TAS					m_e
GTTG	151.09		PKPbc	05:12:09.980		15.9		2.10		TAS					m_e
GTTG	151.09		PKPab	05:12:20.267	0.2	15.9		2.10		TAS					m_e
GUNZ	151.69		PKPbc	05:12:12.005		15.9		2.10		TAS					m_e
GUNZ	151.69		PKPab	05:12:22.912		15.9		2.10		TAS					m_e
IBBN	150.72		PKPab	05:12:18.649	0.0	15.9		2.10		TAS					m_e
MANZ	152.10		PKPbc	05:12:12.751		15.9		2.10		TAS					m_e
MOX	151.60		PKPbc	05:12:11.421		15.9		2.10		TAS					m_e
MOX	151.60		PKPab	05:12:22.503	0.5	15.9		2.10		TAS					m_e
NRDL	150.16		PKPbc	05:12:08.239	0.1	15.9		2.10		TAS					m_e
NRDL	150.16		PKPab	05:12:16.169	0.2	15.9		2.10		TAS					m_e
RJOB	153.97		PKPab	05:12:32.818		15.9		2.10		TAS					m_e
ROTZ	152.27		PKPbc	05:12:12.351		15.9		2.10		TAS					m_e
STU	153.89		PKPab	05:12:32.531		15.9		2.10		TAS					m_e
TNS	152.64		PKPab	05:12:27.140		15.9		2.10		TAS					m_e
WERN	151.75		PKPbc	05:12:12.192		15.9		2.10		TAS					m_e

WERN	151.75	PKPab	05:12:23.199	15.9	2.10	TAS	m_e
WET	152.67	PKPab	05:12:27.290	15.9	2.10	TAS	m_e

Event 70415003 Central Bolivia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/15	08:20:13.00			-18.1500	-63.9700				150.6	1.3		34		91.45	96.98	m i ke	BGR
70415009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	70415009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.37		P	08:33:06.104	-0.1	247.5		4.56		TAS		75.0	1.17	a_e mb	6.0
ASSE	95.08		P	08:33:18.804	-0.2	247.5		4.56		TAS		19.8	1.14	a_e mb	5.5
BFO	92.16		P	08:33:04.984	-0.3	247.5		4.56		TAS		20.1	1.07	m_e mb	5.5
BRG	96.51		P	08:33:25.054		247.5		4.56		TAS		29.7	1.74	a_e mb	5.6
BSEG	95.59		P	08:33:20.504	-0.1	247.5		4.56		TAS		23.9	1.29	a_e mb	5.6
BUG	92.87		P	08:33:08.354	-0.2	247.5		4.56		TAS		68.7	1.14	a_e mb	5.9
CLL	96.11		P	08:33:23.254	-0.1	247.5		4.56		TAS		23.8	1.36	a_e mb	5.6
CLZ	94.80		P	08:33:17.704	0.4	247.5		4.56		TAS		28.1	1.25	m_e mb	5.7
FBE	96.18		P	08:33:23.830	-0.3	247.5		4.56		TAS		14.7	1.15	m_e mb	5.5
FLT1	95.48		P	08:33:20.004	-0.4	247.5		4.56		TAS		29.7	1.45	a_e mb	5.6
FLT1	95.48		PP	08:37:13.735						T__				m_e	
FUR	93.89		P	08:33:13.331	0.1	247.5		4.56		TAS		91.6	1.34	m_e mb	6.0
GEC2	95.64		P	08:33:20.854	-0.4	247.5		4.56		TAS		22.0	1.23	a_e mb	5.7
GOR1	95.77		PP	08:37:13.841						T__				m_e	
GRA1	94.45		P	08:33:15.854	0.1	247.5		4.56		TAS		30.7	1.19	a_e mb	5.6
GTTG	94.45		P	08:33:15.854	-0.3	247.5		4.56		TAS		18.7	0.94	a_e mb	5.5
GUNZ	95.37		P	08:33:20.204	0.3	247.5		4.56		TAS		15.0	1.45	a_e mb	5.3
IBBN	93.52		P	08:33:11.304	-0.2	247.5		4.56		TAS		89.6	1.03	a_e mb	6.0
IBBN	93.52		PP	08:36:58.641						T__				m_e	
KAST	93.42		P	08:33:10.604	-0.4	247.5		4.56		TAS		21.6	1.12	a_e mb	5.4
MANZ	95.09		P	08:33:18.904	0.2	247.5		4.56		TAS		9.8	1.45	m_e mb	5.1
MANZ	95.09		pP	08:33:57.158						T__				m_e	
MOX	95.05		P	08:33:18.554	0.1	247.5		4.56		TAS		19.6	1.43	a_e mb	5.4
MOX	95.05		pP	08:33:56.801						T__				m_e	
NEUB	95.35		P	08:33:19.954	0.3	247.5		4.56		TAS		25.5	1.07	a_e mb	5.7
NRDL	94.90		P	08:33:18.204	0.1	247.5		4.56		TAS		44.7	1.27	a_e mb	5.8
PLN	95.31		P	08:33:19.704	0.2	247.5		4.56		TAS		18.1	1.20	a_e mb	5.5
RETH	94.59		P	08:33:16.704	0.4	247.5		4.56		TAS		75.1	1.20	a_e mb	6.0
RETH	94.59		pP	08:33:54.703						T__				m_e	
RJOB	94.67		P	08:33:16.554	0.3	247.5		4.56		TAS		34.9	1.41	a_e mb	5.7
ROTZ	95.07		P	08:33:18.754	0.2	247.5		4.56		TAS		3.9	1.26	a_e mb	4.8
RUE	96.98		P	08:33:26.954		247.5		4.56		TAS		16.5	0.71	a_e mb	5.9
STU	92.86		P	08:33:08.545	0.0	247.5		4.56		TAS		122.6	1.03	m_e mb	6.2

TANN	95.46	P	08:33:20.654	-0.4	247.5	4.56	TAS	20.3	1.24	a_e	mb	5.5
TANN	95.46	pP	08:33:58.848				T__				m_e	
TNS	93.03	P	08:33:09.304	0.1	247.5	4.56	TAS	99.7	1.73	a_e	mb	5.9
UBR	92.98	P	08:33:09.254	0.2	247.5	4.56	TAS	88.3	1.17	a_e	mb	6.0
UBR	92.98	pP	08:33:47.585				T__				m_e	
WERN	95.37	P	08:33:20.154	0.1	247.5	4.56	TAS	13.3	1.06	a_e	mb	5.4
WET	95.25	P	08:33:19.204	0.0	247.5	4.56	TAS	31.0	1.23	a_e	mb	5.7
WLF	91.45	P	08:33:02.254	0.2	247.5	4.56	TAS	120.7	1.27	a_e	mb	6.1
WLF	91.45	pP	08:33:40.100				T__				m_e	

Event 70415006 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/15	20:10:59.93			50.7590	-31.6040				10.0			29		24.23	32.89	m i ke	BGR
	70415012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70415012
Ms	3.6		BGR	70415012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	24.34		P	20:16:17.587	1.3	288.9		8.99		TAS		8.9	0.84	m_e	mb	4.3
BFO	25.81		P	20:16:33.103	-0.3	288.9		8.99		TAS		7.9	0.85	m_e	mb	4.4
BRG	28.43		P	20:16:53.681		288.9		8.99		TAS		4.8	0.76	m_e	mb	4.4
BSEG	25.53		P	20:16:27.159	-0.1	288.9		8.99		TAS		15.5	0.99	m_e	mb	4.6
BUG	24.23		P	20:16:16.162	-0.5	288.9		8.99		TAS		10.9	0.88	m_e	mb	4.4
CLL	27.73		P	20:16:47.765	-0.9	288.9		8.99		TAS		9.3	0.81	m_e	mb	4.7
CLZ	26.01		P	20:16:32.361	0.8	288.9		8.99		TAS		6.7	0.82	m_e	mb	4.3
DPC	30.08		P	20:17:08.266		288.9		8.99		TAS		15.5	0.80	m_e	mb	4.9
FBE	28.06		P	20:16:51.103		288.9		8.99		TAS		8.4	0.95	m_e	mb	4.5
FLT1	26.41		P	20:16:34.827	-1.0	288.9		8.99		TAS		6.5	0.76	m_e	mb	4.3
GEC2	28.96		P	20:16:59.812		288.9		8.99		TAS		8.9	1.21	m_e	mb	4.5
GRA1	27.14		L	20:26:05.040						T__		170.3	19.00	a_e	Ms	3.6
GTTG	25.84		P	20:16:31.372	-0.8	288.9		8.99		TAS		44.8	1.15	m_e	mb	5.0
GUNZ	27.61		P	20:16:47.259	0.3	288.9		8.99		TAS		5.1	1.12	m_e	mb	4.3
IBBN	24.33		P	20:16:16.091	-0.5	288.9		8.99		TAS		35.8	1.02	m_e	mb	4.8
KAST	24.99		P	20:16:23.190	0.9	288.9		8.99		TAS		11.3	0.84	m_e	mb	4.6
KHC	28.78		P	20:16:58.156		288.9		8.99		TAS		1.0	0.94	m_e	mb	3.6
MANZ	27.59		P	20:16:46.203	-0.9	288.9		8.99		TAS		0.8	0.91	m_e	mb	3.5
MORC	30.97		P	20:17:16.226		288.9		8.99		TAS		15.7	0.91	m_e	mb	4.9
MOX	27.09		P	20:16:42.293	0.0	288.9		8.99		TAS		5.8	0.88	m_e	mb	4.3
MOX	27.09		L	20:26:44.901						T__		120.9	18.80	a_e	Ms	3.5
NRDL	25.70		P	20:16:29.696	2.4	288.9		8.99		TAS		18.4	1.04	m_e	mb	4.6
OJC	32.17		P	20:17:26.652		288.9		8.99		TAS		5.7	0.89	m_e	mb	4.5
PRU	29.08		P	20:16:59.517		288.9		8.99		TAS		0.8	0.96	m_e	mb	3.5
PVCC	28.92		P	20:16:58.372		288.9		8.99		TAS		5.5	0.81	m_e	mb	4.4

ROTZ	27.72	P	20:16:48.155	288.9	8.99	TAS	0.7	0.89	m_e	mb	3.5
STU	26.19	P	20:16:35.266	-0.3 288.9	8.99	TAS	14.3	0.69	m_e	mb	4.7
SUW	32.89	P	20:17:31.584	288.9	8.99	TAS	171.5	0.90	m_e	mb	6.0
TANN	27.67	P	20:16:47.544	-1.0 288.9	8.99	TAS	6.4	1.01	m_e	mb	4.4
TNS	25.27	P	20:16:27.697	0.2 288.9	8.99	TAS	4.1	0.88	m_e	mb	4.2
UBR	27.16	P	20:16:44.103	0.2 288.9	8.99	TAS	6.3	0.85	m_e	mb	4.4

Event 70421001 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/21	04:00:30.90			-2.1200	99.6500				40.0					90.58	90.58	m i ke	EMSC
	70421033																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70421007
Ms	4.5		BGR	70421007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	90.58		P	04:13:30.796		92.6		4.60		TAS		11.7	1.18	m_e	mb	5.1
GRA1	90.58		L	05:03:14.585						T__		174.6	19.40	a_e	Ms	4.5

Event 70421002 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/21	10:34:59.00			-4.7300	153.3200				65.0					124.96	124.96	m i ke	EMSC
	70421034																

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	124.96		PKP	10:53:52.199		48.3		1.28		TAS				m_e	

Event 70421003 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2017/04/21	13:09:20.70	2.98	1.60	38.7900	29.0500	95.6	87.8	147	6.0					21	346	14.81	19.81	m i ke	KAN
	70421024																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70421009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	16.11		P	13:13:09.449	-1.8	123.9		12.03		TAS		255.4	2.65	m_e mb	4.9
BUG	19.81		P	13:13:52.023		123.9		12.03		TAS		134.2	2.24	m_e mb	4.8
CLL	16.84		P	13:13:16.196	-2.3	123.9		12.03		TAS		32.7	1.37	m_e mb	4.3
CLZ	18.44		P	13:13:35.040		123.9		12.03		TAS		20.4	1.17	m_e mb	4.1
FBE	16.42		P	13:13:13.404	0.2	123.9		12.03		TAS		107.9	1.85	m_e mb	4.7
FLT1	18.34		P	13:13:35.970	-3.2	123.9		12.03		TAS		19.0	1.14	m_e mb	4.1
GEC2	14.93		P	13:12:53.129	-3.3	123.9		12.03		TAS		48.2	1.75	m_e	
GRA1	16.75		P	13:13:16.397	2.2	123.9		12.03		TAS		41.9	1.07	m_e	
GTTG	18.47		P	13:13:40.391		123.9		12.03		TAS		39.2	1.11	m_e	
KAST	19.08		P	13:13:46.905		123.9		12.03		TAS				m_e	
MANZ	16.45		P	13:13:14.335	-1.0	123.9		12.03		TAS				m_e	
MOX	17.10		P	13:13:21.057	-2.9	123.9		12.03		TAS		118.1	1.91	m_e	
NRDL	18.98		P	13:13:45.509		123.9		12.03		TAS		40.6	1.47	m_e	
PLN	16.72		P	13:13:16.196	1.0	123.9		12.03		TAS		25.3	1.51	m_e	
RETH	19.49		P	13:13:50.859		123.9		12.03		TAS		236.5	2.39	m_e	
RJOB	14.81		P	13:12:58.980	3.7	123.9		12.03		TAS				m_e	
ROTZ	16.27		P	13:13:10.612	-0.1	123.9		12.03		TAS		5.9	1.24	m_e	
TANN	16.53		P	13:13:13.869	-1.1	123.9		12.03		TAS		67.3	2.24	m_e	
TNS	18.55		P	13:13:41.321		123.9		12.03		TAS				m_e	
UBR	16.38		P	13:13:15.498	-2.0	123.9		12.03		TAS		149.6	1.74	m_e	
WERN	16.49		P	13:13:14.800	1.9	123.9		12.03		TAS		37.6	1.95	m_e	
WLF	19.60		P	13:13:52.023		123.9		12.03		TAS		87.4	1.93	m_e	

Event 70421004 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/21	14:12:24.20	3.58	1.31	38.6500	27.7800	137.9	85.6	15	10.0				24 347	14.19	19.39	m i ke	KAN
	70421025																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70421010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	17.99		P	14:16:32.135		127.1		10.77		TAS		84.6	2.16	m_e mb	4.5
BFO	17.07		P	14:16:23.991	1.9	127.1		10.77		TAS		66.6	1.84	m_e mb	4.5
BRG	15.65		P	14:16:08.635	-0.3	127.1		10.77		TAS				m_e	
BSEG	19.39		P	14:16:46.096		127.1		10.77		TAS		635.0	2.87	m_e mb	5.3
BUG	19.25		P	14:16:46.096		127.1		10.77		TAS		126.9	2.05	m_e mb	4.8
CLL	16.37		P	14:16:15.615	0.1	127.1		10.77		TAS		77.3	1.72	m_e mb	4.6
CLZ	17.94		P	14:16:32.833	1.5	127.1		10.77		TAS		125.7	2.17	m_e mb	4.7
FBE	15.94		P	14:16:09.333	-1.9	127.1		10.77		TAS				m_e	
FLT1	17.87		P	14:16:31.670	0.8	127.1		10.77		TAS				m_e	
GEC2	14.38		P	14:15:56.303	1.2	127.1		10.77		TAS				m_e	
GRA1	16.18		P	14:16:13.986	0.3	127.1		10.77		TAS		123.6	1.98	m_e mb	4.7

GTTG	17.95	P	14:16:34.229	-1.5	127.1	10.77	TAS										m_e
GUNZ	16.04	P	14:16:10.962	0.1	127.1	10.77	TAS										m_e
KAST	18.52	P	14:16:40.511		127.1	10.77	TAS	59.4	1.82								m_e mb 4.5
MOX	16.57	P	14:16:18.873	-0.2	127.1	10.77	TAS	139.6	1.96								m_e mb 4.8
NRDL	18.50	P	14:16:40.511		127.1	10.77	TAS	52.8	1.44								m_e mb 4.5
PLN	16.21	P	14:16:14.684	1.5	127.1	10.77	TAS										m_e
RETH	19.00	P	14:16:45.630		127.1	10.77	TAS	263.9	2.44								m_e mb 5.0
RJOB	14.19	P	14:15:52.100	-0.7	127.1	10.77	TAS										m_e
ROTZ	15.72	P	14:16:10.502	-1.7	127.1	10.77	TAS										m_e
TNS	17.95	P	14:16:31.902	-0.6	127.1	10.77	TAS	134.6	1.91								m_e mb 4.7
UBR	15.71	P	14:16:07.704	0.9	127.1	10.77	TAS										m_e
WERN	15.97	P	14:16:11.395	-0.6	127.1	10.77	TAS										m_e
WET	14.99	P	14:16:02.353	0.6	127.1	10.77	TAS										m_e

Event 70422001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/22	22:33:20.50			-21.3600	-176.6600				255.0					151.04	151.04	m i ke	EMSC
70422033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	151.04		PKP	22:52:44.107			15.3	1.74		TAS						m_e

Event 70423001 Mindanao, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/23	01:19:47.60			9.2400	126.3900				69.0					98.71	98.71	m i ke	EMSC
70423033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	98.71		Pdiff	01:33:19.927						T__						m_e

Event 70423002 Near coast of Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/23	01:52:21.10			10.8900	-62.3400				100.0				14	67.87	72.70	m i ke	EMSC

70423034

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 70423008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.60		P	02:03:13.190	-0.2	264.6		6.17		TAS		7.5	0.67	m_e mb	5.1
ASSE	71.05		P	02:03:28.715		264.6		6.17		TAS		9.2	0.94	m_e mb	4.9
BFO	69.10		P	02:03:16.028	-0.1	264.6		6.17		TAS				m_e	
CLZ	70.83		P	02:03:27.700		264.6		6.17		TAS				m_e	
GEC2	72.70		P	02:03:38.043		264.6		6.17		TAS		3.2	0.78	m_e mb	4.5
IBBN	69.30		P	02:03:17.846	0.1	264.6		6.17		TAS		14.6	0.61	m_e mb	5.4
KAST	69.54		P	02:03:19.304	0.5	264.6		6.17		TAS				m_e	
MANZ	71.74		P	02:03:32.281		264.6		6.17		TAS		1.0	0.98	m_e mb	3.9
RETH	70.33		P	02:03:24.252	-0.4	264.6		6.17		TAS				m_e	
RJOB	72.03		P	02:03:35.119		264.6		6.17		TAS		4.0	0.89	m_e mb	4.5
STU	69.72		P	02:03:19.898		264.6		6.17		TAS				m_e	
TANN	72.00		P	02:03:33.884		264.6		6.17		TAS				m_e	
TNS	69.42		P	02:03:18.694	0.1	264.6		6.17		TAS				m_e	
WET	72.17		P	02:03:35.034		264.6		6.17		TAS				m_e	
WLF	67.87		P	02:03:08.374	-0.4	264.6		6.17		TAS				m_e	

Event 70423003 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/23	04:25:34.49	1.00	0.56	41.7530	15.9440	17.8	12.2	74	10.0				14 326	4.86	8.66	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
ARSA	5.50		Pn	04:26:54.948	0.3					T__				m_e	
BFO	8.50		Pn	04:27:33.804	-1.1					T__				m_e	
DAVA	7.03		Pn	04:27:15.698	0.6					T__				m_e	
GEC2	7.27		Sn	04:28:34.243	0.3					T__				m_e	
GEC2	7.27		Pn	04:27:18.348	0.0					T__				m_e	
KBA	5.64		Pn	04:26:56.450	0.0					T__				m_e	
MANZ	8.66		Pn	04:27:36.512	-0.5					T__				m_e	
MOA	6.21		Pn	04:27:04.834	0.7					T__				m_e	
OBER	6.94		Sn	04:28:26.565	0.2					T__				m_e	
OBER	6.94		Pn	04:27:14.973	1.0					T__				m_e	
OBKA	4.86		Pn	04:26:45.878	-0.1					T__				m_e	
RJOB	6.39		Pn	04:27:06.765	0.2					T__				m_e	
ROTZ	8.43		Pn	04:27:32.833	-1.1					T__				m_e	
UBR	7.24		Pn	04:27:17.703	-0.2					T__				m_e	
WET	7.70		Sn	04:28:43.548	-0.5					T__				m_e	

WET	7.70	Pn	04:27:24.079	-0.1	T__	m_e
WTTA	6.31	Pn	04:27:05.745	0.3	T__	m_e

Event 70423004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/23	06:37:05.85			45.7200	143.4400				33.0			31		73.00	78.45	m i ke	BGR
OrigID 70423010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70423010
Ms	4.7		BGR	70423010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.94		P	06:48:54.787	0.3	32.3		5.71		TAS		30.1	1.08	m_e mb	5.3
ASSE	74.42		P	06:48:41.039	0.6	32.3		5.71		TAS		94.9	2.14	m_e mb	5.4
BFO	78.45		P	06:49:03.459		32.3		5.71		TAS		23.0	1.18	m_e mb	5.2
BRG	74.35		P	06:48:39.956	-0.2	32.3		5.71		TAS		43.3	1.86	m_e mb	5.2
BSEG	73.00		P	06:48:32.046	1.6	32.3		5.71		TAS		30.5	0.94	m_e mb	5.4
BUG	76.10		P	06:48:50.892	0.5	32.3		5.71		TAS		169.6	2.06	m_e mb	5.8
CLL	74.32		P	06:48:40.189	-0.5	32.3		5.71		TAS		29.4	0.95	m_e mb	5.3
CLZ	74.76		P	06:48:43.447	0.1	32.3		5.71		TAS		94.3	1.82	m_e mb	5.5
FBE	74.52		P	06:48:41.288	-0.9	32.3		5.71		TAS		58.6	1.72	m_e mb	5.3
FLT1	74.06		P	06:48:38.095	-0.1	32.3		5.71		TAS		34.9	0.94	m_e mb	5.4
FUR	77.57		P	06:48:59.236	-0.5	32.3		5.71		TAS		31.1	1.23	m_e mb	5.3
GEC2	76.12		P	06:48:50.660	-0.2	32.3		5.71		TAS		36.5	1.79	m_e mb	5.2
GRA1	76.30		P	06:48:52.056	0.8	32.3		5.71		TAS		38.5	1.13	m_e mb	5.4
GRA1	76.30		L	07:24:39.478						T__		334.4	19.30	a_e Ms	4.7
GTTG	75.15		P	06:48:45.075	0.6	32.3		5.71		TAS		85.2	1.78	m_e mb	5.5
GUNZ	75.34		P	06:48:45.541	-0.7	32.3		5.71		TAS		43.8	1.77	m_e mb	5.2
IBBN	75.20		P	06:48:45.075	-0.4	32.3		5.71		TAS		45.8	1.23	m_e mb	5.4
KAST	75.94		P	06:48:49.902	0.0	32.3		5.71		TAS		49.9	1.71	m_e mb	5.4
MANZ	75.74		P	06:48:48.333	0.5	32.3		5.71		TAS		8.0	1.75	m_e mb	4.6
MOX	75.36		P	06:48:45.541	-0.1	32.3		5.71		TAS		50.5	1.85	m_e mb	5.2
NEUB	74.84		P	06:48:42.383	-0.1	32.3		5.71		TAS		35.2	1.17	m_e mb	5.3
NRDL	74.29		P	06:48:40.747	0.3	32.3		5.71		TAS		34.4	1.49	m_e mb	5.2
PLN	75.30		P	06:48:45.541	-0.7	32.3		5.71		TAS		69.9	2.04	m_e mb	5.3
RETH	74.33		P	06:48:40.606	0.2	32.3		5.71		TAS		46.1	1.15	m_e mb	5.4
RJOB	77.38		P	06:48:58.575	-0.1	32.3		5.71		TAS		17.6	1.16	m_e mb	5.1
RUE	73.08		P	06:48:34.838	-0.7	32.3		5.71		TAS		49.7	1.29	m_e mb	5.5
TANN	75.26		P	06:48:46.239	-0.6	32.3		5.71		TAS		28.1	1.69	m_e mb	5.0
TNS	76.78		P	06:48:54.077	0.3	32.3		5.71		TAS		35.7	1.96	m_e mb	5.2
UBR	78.40		P	06:49:03.475		32.3		5.71		TAS		49.1	1.87	m_e mb	5.3
WERN	75.39		P	06:48:45.773	0.4	32.3		5.71		TAS		12.5	1.09	m_e mb	4.9
WET	76.17		P	06:48:50.892	-0.4	32.3		5.71		TAS		50.5	1.70	m_e mb	5.4
WLF	78.00		P	06:49:01.613		32.3		5.71		TAS		38.4	1.58	m_e mb	5.3

Event 70424002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/24	10:09:00.50			-18.1700	173.1400				46.0					145.35	145.35	m i ke	NEIC
OrigID 70424041																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	70424008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.35		PKPbc	10:28:34.546		31.3		2.92		TAS				m_e	
GRA1	145.35		L	11:29:53.587						T__		125.1	21.40	a_e Ms	4.7

Event 70424004 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/24	21:38:27.70			-33.0300	-71.8500				10.0					110.29	110.29	m i ke	EMSC
OrigID 70424036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	7.1		BGR	70424010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	110.29		Pdiff	21:52:58.508						T__				m_e	
GRA1	110.29		PP	21:57:31.963		239.6		7.03		TAS				m_e	
GRA1	110.29		L	22:41:04.707						T__		58812.2	21.40	a_e Ms	7.1

Event 70424005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/24	22:18:08.60			-16.2100	-173.6000				69.0					146.38	146.38	m i ke	EMSC
OrigID 70424037																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.38		PKP	22:37:42.374		8.4		1.97		TAS				m_e	
GRA1	146.38		pPKP	22:38:06.803						T__				m_e	

Event 70424006 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/24	23:25:53.48			-19.5380	171.5310				33.0				15	144.25	148.22	m i ke	BGR
OrigID 70424012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.69		PKPbc	23:45:31.043		34.6		3.19		TAS					m_e
BFO	148.22		PKPbc	23:45:35.798		34.6		3.19		TAS					m_e
FBE	144.25		PKPbc	23:45:23.499		34.6		3.19		TAS					m_e
GEC2	145.75		PKPbc	23:45:28.174		34.6		3.19		TAS					m_e
GRA1	146.04		PKPbc	23:45:29.337		34.6		3.19		TAS					m_e
GTTG	144.92		PKPbc	23:45:25.614		34.6		3.19		TAS					m_e
GUNZ	145.08		PKPbc	23:45:26.080		34.6		3.19		TAS					m_e
KAST	145.71		PKPbc	23:45:27.899		34.6		3.19		TAS					m_e
MANZ	145.47		PKPbc	23:45:27.243		34.6		3.19		TAS					m_e
MOX	145.12		PKPbc	23:45:25.614		34.6		3.19		TAS					m_e
NEUB	144.60		PKPbc	23:45:24.422		34.6		3.19		TAS					m_e
PLN	145.05		PKPbc	23:45:25.614		34.6		3.19		TAS					m_e
ROTZ	145.61		PKPbc	23:45:27.243		34.6		3.19		TAS					m_e
TNS	146.55		PKPbc	23:45:30.966		34.6		3.19		TAS					m_e
WERN	145.13		PKPbc	23:45:26.312		34.6		3.19		TAS					m_e
WET	145.85		PKPbc	23:45:28.174		34.6		3.19		TAS					m_e
WLF	147.75		PKPbc	23:45:34.882		34.6		3.19		TAS					m_e

Event 70425003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/25	14:35:14.80			-20.4100	-173.6500				10.0					150.53	150.53	m i ke	EMSC
OrigID 70425035																	

Magnitude Err Nsta Author OrigID
Ms 5.1 BGR 70425009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.53		PKPdf	14:55:07.452		9.3		1.54		TAS					m_e
GRA1	150.53		L	16:06:17.965						T__		340.2	21.00	a_e Ms	5.1

Event 70426003 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/26	07:02:30.13			54.4300	160.7800				33.0			34		69.27	75.29	m i k e	BGR
70426009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70426009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	70.93		P	07:13:44.893	0.4	18.1		5.96		TAS		29.9	1.40	a_e	mb	5.2
BFO	75.01		P	07:14:08.743		18.1		5.96		TAS		15.7	0.90	a_e	mb	5.0
BRG	71.46		P	07:13:47.693	-0.1	18.1		5.96		TAS		22.9	1.37	a_e	mb	5.1
BSEG	69.27		P	07:13:34.943	0.1	18.1		5.96		TAS		26.7	1.27	a_e	mb	5.3
BUG	72.20		P	07:13:52.243	0.0	18.1		5.96		TAS		38.9	1.41	a_e	mb	5.3
CLL	71.25		P	07:13:46.243	-0.2	18.1		5.96		TAS		38.6	1.09	a_e	mb	5.4
CLZ	71.26		P	07:13:47.193	0.2	18.1		5.96		TAS		53.0	1.06	a_e	mb	5.6
FBE	71.54		P	07:13:48.543	0.2	18.1		5.96		TAS		34.7	1.13	a_e	mb	5.4
FLT1	70.63		P	07:13:42.493	0.1	18.1		5.96		TAS		19.9	1.06	a_e	mb	5.2
FUR	74.59		P	07:14:06.531	-0.3	18.1		5.96		TAS		32.1	0.94	m_e	mb	5.3
GEC2	73.43		P	07:13:59.643	-0.1	18.1		5.96		TAS		13.4	1.00	a_e	mb	5.0
GOR1	69.99		P	07:13:39.353	0.1	18.1		5.96		TAS		38.5	1.14	m_e	mb	5.4
GRA1	73.14		P	07:13:58.393	0.2	18.1		5.96		TAS		32.1	0.85	a_e	mb	5.5
GTTG	71.62		P	07:13:49.143	-0.3	18.1		5.96		TAS				a_e		
GUNZ	72.28		P	07:13:53.143	0.0	18.1		5.96		TAS		42.7	1.51	a_e	mb	5.4
IBBN	71.29		P	07:13:46.943	-0.5	18.1		5.96		TAS		24.3	0.69	a_e	mb	5.4
KAST	72.23		P	07:13:52.793	0.1	18.1		5.96		TAS		29.6	1.37	a_e	mb	5.2
MANZ	72.68		P	07:13:55.343	0.0	18.1		5.96		TAS		5.6	1.33	a_e	mb	4.5
MOX	72.16		P	07:13:52.193	0.1	18.1		5.96		TAS		40.3	1.38	a_e	mb	5.4
NEUB	71.61		P	07:13:48.643	0.1	18.1		5.96		TAS		17.6	0.74	a_e	mb	5.3
NRDL	70.69		P	07:13:43.243	0.0	18.1		5.96		TAS		17.7	0.97	a_e	mb	5.2
PLN	72.20		P	07:13:52.493	0.2	18.1		5.96		TAS		31.3	1.43	a_e	mb	5.2
RETH	70.59		P	07:13:42.843	-0.6	18.1		5.96		TAS		20.8	0.96	a_e	mb	5.2
RJOB	74.67		P	07:14:07.243		18.1		5.96		TAS		18.8	0.96	a_e	mb	5.1
ROTZ	72.87		P	07:13:56.643	0.4	18.1		5.96		TAS		5.3	1.14	m_e	mb	4.6
RUE	69.98		P	07:13:39.093	-0.1	18.1		5.96		TAS		39.4	0.86	a_e	mb	5.6
STU	74.42		P	07:14:05.343	0.1	18.1		5.96		TAS		71.3	1.24	a_e	mb	5.6
TANN	72.21		P	07:13:52.643	0.2	18.1		5.96		TAS		28.5	1.52	a_e	mb	5.2
TNS	73.17		P	07:13:58.193	-0.0	18.1		5.96		TAS		18.4	0.85	a_e	mb	5.2
UBR	75.29		P	07:14:10.543		18.1		5.96		TAS		20.7	0.96	a_e	mb	5.1
WERD	72.21		P	07:13:52.593	0.2	18.1		5.96		TAS		23.6	1.10	a_e	mb	5.2
WERN	72.34		P	07:13:53.443	0.2	18.1		5.96		TAS		23.6	0.91	a_e	mb	5.3
WET	73.32		P	07:13:59.443	-0.3	18.1		5.96		TAS		27.6	1.11	a_e	mb	5.3
WLF	74.11		P	07:14:03.843	-0.4	18.1		5.96		TAS		24.9	1.25	a_e	mb	5.1

./2017/bull1704.txt Thu Apr 23 08:38:25 2020 37

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/26	17:31:13.20			-17.8200	-178.5900				567.0					147.24	147.24	m i ke	EMSC
70426040																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	147.24		PKP	17:49:56.896		17.5		3.71		TAS				m_e			

Event 70426009 Northern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/26	18:12:31.70			-19.6900	-69.3000				107.0					98.85	98.85	m i ke	EMSC
70426041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	98.85		Pdiff	18:25:59.062		244.8		5.42		TAS				m_e			
GRA1	98.85		PP	18:29:56.892		250.2		7.50		TAS				m_e			

Event 70427002 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	03:46:07.79			9.9180	-38.4690				33.0					57.04	57.04	m i ke	BGR
70427008																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 70427008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	57.04		P	03:55:51.079		242.8		6.88		TAS		9.0	1.11	m_e mb	4.7		

Event 70427004 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	12:04:26.91	1.12	1.55	35.1400	21.6900	97.8	27.8	65	10.0				14 344	12.57	17.90	m i ke	BGR
70427010																	

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 70427010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	16.49		Pn	12:08:14.042	-0.5					T__				m_e	
BRG	16.70		Pn	12:08:16.437	-0.9					T__				m_e	
CLL	17.33		P	12:08:25.727	-1.4					T__		26.1	1.10	m_e mb	4.3
DAVA	15.02		Pn	12:07:54.380	-0.5					T__				m_e	
KBA	13.47		Sn	12:09:51.673	0.7					T__				m_e	
MANZ	16.41		Pn	12:08:16.574	3.1					T__		33.6	1.41	m_e	
MOA	13.85		Pn	12:07:37.626	-1.6					T__				m_e	
MOX	17.14		P	12:08:23.580	-1.1					T__		27.4	1.56	m_e mb	4.1
OBKA	12.57		Sn	12:09:29.068	-1.0					T__				m_e	
PLN	16.83		Pn	12:08:21.325	2.2					T__				m_e	
RJOB	14.23		Pn	12:07:44.488	0.2					T__				m_e	
ROTZ	16.18		Pn	12:08:13.153	2.7					T__				m_e	
TNS	17.90		P	12:08:33.841	-0.3					T__		51.7	1.42	m_e mb	4.5
WET	15.43		Pn	12:07:58.645	-1.7					T__				m_e	

Event 70427005 South of Aleutian Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	14:46:24.25			49.5000	177.5000				33.0			41		76.37	82.59	m i ke	BGR
				70427011													

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 70427011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.00		S	15:08:36.996	0.9	4.3		8.68		TAS				m_e	
AHRW	80.00		SS	15:13:38.490	6.0	10.6		11.65		TAS				m_e	
ASSE	78.13		S	15:08:23.225	-2.4	4.3		8.68		TAS				m_e	
ASSE	78.13		SS	15:13:17.068	0.5	10.6		11.65		TAS				m_e	
ASSE	78.13		P	14:58:20.568	0.7	8.9		5.50		TAS				m_e	
BFO	82.10		S	15:08:56.889		4.3		8.68		TAS				m_e	
BFO	82.10		P	14:58:41.373		8.9		5.50		TAS				m_e	
BSEG	76.37		SS	15:12:58.706	1.6	10.6		11.65		TAS				m_e	
BSEG	76.37		P	14:58:11.991	-1.1	8.9		5.50		TAS		17.4	0.99	m_e mb	5.1
BUG	79.09		P	14:58:25.861	0.2	8.9		5.50		TAS				m_e	
CLL	78.70		S	15:08:26.285	-1.5	4.3		8.68		TAS				m_e	
CLL	78.70		P	14:58:23.306	0.5	8.9		5.50		TAS				m_e	
CLZ	78.44		S	15:08:26.285	3.7	4.3		8.68		TAS				m_e	
CLZ	78.44		SS	15:13:21.658	5.8	10.6		11.65		TAS				m_e	
CLZ	78.44		P	14:58:22.816		8.9		5.50		TAS		16.7	1.11	m_e mb	5.1
FLT1	77.88		S	15:08:21.694	1.4	4.3		8.68		TAS				m_e	
FLT1	77.88		SS	15:13:17.068	-1.6	10.6		11.65		TAS				m_e	

FLT1	77.88	P	14:58:19.838	-0.4	8.9	5.50	TAS	8.5	0.77	m_e	mb	4.9
FUR	81.99	S	15:08:56.889		4.3	8.68	TAS			m_e		
FUR	81.99	SS	15:14:07.562		10.6	11.65	TAS			m_e		
GEC2	81.05	S	15:08:50.768		4.3	8.68	TAS			m_e		
GEC2	81.05	P	14:58:36.628		8.9	5.50	TAS	4.7	0.82	m_e	mb	4.6
GOR1	77.22	P	14:58:13.816	-1.0	8.9	5.50	TAS			m_e		
GRA1	80.49	S	15:08:46.177	-1.1	4.3	8.68	TAS			m_e		
GRA1	80.49	P	14:58:34.191		8.9	5.50	TAS	17.0	0.97	m_e	mb	4.9
GRA3	80.41	S	15:08:46.177	-2.6	4.3	8.68	TAS			m_e		
GRA3	80.41	SS	15:13:43.080		10.6	11.65	TAS			m_e		
GRA4	80.59	S	15:08:46.177	-1.1	4.3	8.68	TAS			m_e		
GRA4	80.59	SS	15:13:46.140		10.6	11.65	TAS			m_e		
GRA4	80.59	P	14:58:34.256		8.9	5.50	TAS			m_e		
GRB1	80.74	S	15:08:47.708	-0.9	4.3	8.68	TAS			m_e		
GRB1	80.74	SS	15:13:43.080		10.6	11.65	TAS			m_e		
GRB1	80.74	P	14:58:34.256		8.9	5.50	TAS			m_e		
GRB2	80.86	S	15:08:46.177		4.3	8.68	TAS			m_e		
GRB2	80.86	SS	15:13:41.550		10.6	11.65	TAS			m_e		
GRB3	80.77	P	14:58:35.533		8.9	5.50	TAS			m_e		
GRB4	80.67	S	15:08:47.708	-0.6	4.3	8.68	TAS			m_e		
GRB5	81.01	S	15:08:49.238		4.3	8.68	TAS			m_e		
GRB5	81.01	SS	15:13:44.610		10.6	11.65	TAS			m_e		
GRB5	81.01	P	14:58:36.263		8.9	5.50	TAS			m_e		
GRC1	81.15	S	15:08:53.828		4.3	8.68	TAS			m_e		
GRC1	81.15	SS	15:13:49.201		10.6	11.65	TAS			m_e		
GRC2	81.29	S	15:08:49.238		4.3	8.68	TAS			m_e		
GRC2	81.29	SS	15:13:59.912		10.6	11.65	TAS			m_e		
GRC3	81.24	S	15:08:50.768		4.3	8.68	TAS			m_e		
GRC3	81.24	SS	15:13:50.731		10.6	11.65	TAS			m_e		
GRC3	81.24	P	14:58:36.811		8.9	5.50	TAS			m_e		
GRC4	81.06	S	15:08:50.768		4.3	8.68	TAS			m_e		
GTTG	78.77	P	14:58:24.766	-0.1	8.9	5.50	TAS	14.8	1.12	m_e	mb	4.9
IBBN	78.20	SS	15:13:17.068	3.1	10.6	11.65	TAS			m_e		
IBBN	78.20	P	14:58:21.846	0.1	8.9	5.50	TAS	25.9	0.94	m_e	mb	5.3
KAST	79.24	S	15:08:33.936	0.4	4.3	8.68	TAS			m_e		
KAST	79.24	SS	15:13:33.899	0.3	10.6	11.65	TAS			m_e		
KAST	79.24	P	14:58:27.138	0.8	8.9	5.50	TAS	14.1	1.54	m_e	mb	4.8
MANZ	80.10	S	15:08:44.647	-0.0	4.3	8.68	TAS			m_e		
MANZ	80.10	SS	15:13:40.020	5.0	10.6	11.65	TAS			m_e		
MOX	79.51	S	15:08:33.936	1.2	4.3	8.68	TAS			m_e		
MOX	79.51	P	14:58:28.051	-0.1	8.9	5.50	TAS			m_e		
NEUB	78.95	P	14:58:25.131	0.7	8.9	5.50	TAS			m_e		
NRDL	77.82	SS	15:13:15.537	-0.4	10.6	11.65	TAS			m_e		
NRDL	77.82	P	14:58:17.831	1.0	8.9	5.50	TAS			m_e		
PLN	79.61	S	15:08:33.936	0.6	4.3	8.68	TAS			m_e		
PLN	79.61	SS	15:13:40.020	-7.3	10.6	11.65	TAS			m_e		
RETH	77.64	P	14:58:16.736	0.0	8.9	5.50	TAS	9.5	0.96	m_e	mb	4.9
RJOB	82.25	S	15:08:59.949		4.3	8.68	TAS			m_e		
RJOB	82.25	SS	15:14:12.153		10.6	11.65	TAS			m_e		

RJOB	82.25	P	14:58:43.746	8.9	5.50	TAS	m_e
ROTZ	80.31	S	15:08:46.177	-0.8 4.3	8.68	TAS	m_e
ROTZ	80.31	SS	15:13:40.020	7.5 10.6	11.65	TAS	m_e
RUE	77.47	S	15:08:18.634	-0.1 4.3	8.68	TAS	m_e
RUE	77.47	SS	15:13:07.887	2.6 10.6	11.65	TAS	m_e
STU	81.59	S	15:08:52.298	4.3	8.68	TAS	m_e
STU	81.59	SS	15:14:02.972	10.6	11.65	TAS	m_e
TANN	79.64	S	15:08:41.587	-2.0 4.3	8.68	TAS	m_e
TANN	79.64	SS	15:13:36.959	-6.1 10.6	11.65	TAS	m_e
TNS	80.22	S	15:08:41.587	3.2 4.3	8.68	TAS	m_e
TNS	80.22	SS	15:13:36.959	5.4 10.6	11.65	TAS	m_e
UBR	82.59	S	15:08:59.949	4.3	8.68	TAS	m_e
WET	80.85	S	15:08:50.768	4.3	8.68	TAS	m_e
WET	80.85	SS	15:13:43.080	10.6	11.65	TAS	m_e
WET	80.85	P	14:58:36.263	8.9	5.50	TAS	m_e
WLF	80.94	S	15:08:47.708	4.3	8.68	TAS	m_e

Event 70427006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	18:46:46.20			-16.7400	-173.6800				66.0					146.89	146.89	m i ke	EMSC
70427038																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.89		PKP	19:06:19.405		8.6		2.20		TAS					m_e

Event 70427008 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	21:19:43.45	0.95	1.27	42.7230	13.6430	24.5	16.7	77	10.0				12 315	4.36	8.05	m i ke	BGR
70427014																	

Magnitude Err Nsta Author OrigID

ML	4.4		BGR	70427014
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.72		Pn	21:20:53.691	0.7					T__				m_e	ML 4.2
DAVA	5.29		Sn	21:21:58.325	1.7					T__				m_e	
DAVA	5.29		Pn	21:20:59.698	-0.9					T__				m_e	
KBA	4.36		Sn	21:21:35.759	0.7					T__				m_e	
KBA	4.36		Pn	21:20:48.121	-0.0					T__				m_e	ML 4.3

MANZ	7.34	Sn	21:22:41.365	-3.3	T__	m_e	ML	4.4
MOA	5.15	Pn	21:20:59.210	0.5	T__	m_e		
MOX	8.05	Sn	21:22:59.743	-1.3	T__	m_e	ML	4.5
NORI	6.36	Sn	21:22:21.822	0.1	T__	m_e		
OBER	5.25	Pn	21:20:59.834	-0.3	T__	m_e	ML	4.2
PART	5.10	Pn	21:20:57.901	-0.2	T__	m_e	ML	4.1
RJOB	5.05	Sn	21:21:53.672	2.5	T__	m_e		
RJOB	5.05	Pn	21:20:57.509	0.1	T__	m_e	ML	4.4
WET	6.44	Sn	21:22:23.451	-0.2	T__	m_e	ML	4.4
WTTA	4.76	Pn	21:20:53.492	-0.0	T__	m_e	ML	4.7

Event 70427009 Owen Fracture Zone region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	21:27:33.30			22.9200	60.7500				10.0					46.91	46.91	m i ke	EMSC
70427041																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70427015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	46.91		P	21:36:05.351		106.2		8.75		TAS		12.5	1.40	m_e mb	4.9

Event 70427010 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/27	23:39:09.33			51.1410	177.7150				33.0					78.89	78.89	m i ke	BGR
70427016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70427016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.89		P	23:51:07.679		10.7		4.79		TAS		5.7	1.18	m_e mb	4.5

Event 70428001 Lake Issyk-Kul, Kyrgyzstan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/28	05:01:37.26			42.8590	77.1970				33.0					44.78	44.78	m i ke	BGR
70428007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70428007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.78		P	05:09:46.801		76.5		7.56		TAS		7.1	1.08	m_e	mb 4.5

Event 70428005 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/28	13:04:38.50	0.92	1.22	43.6270	18.8410	22.2	15.6	48	11.0			11	329	4.19	8.70	m i	ke zag
OrigID 70428098																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	70428011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.31		Sn	13:06:22.734	-1.5					T__				m_e	
ARSA	4.31		Pn	13:05:37.998	-0.3					T__				m_e	ML 3.7
BFO	8.70		Sn	13:07:51.945	-3.3					T__				m_e	
BFO	8.70		Pn	13:06:29.439	-1.4					T__				m_e	
GEC2	6.32		Sn	13:07:09.708	-0.4					T__				m_e	
GEC2	6.32		Pn	13:06:04.628	-0.2					T__				m_e	ML 3.9
KBA	5.19		Sn	13:06:36.610	0.0					T__				m_e	
KBA	5.19		Pn	13:05:45.963	0.5					T__				m_e	ML 4.0
MOA	5.30		Pn	13:05:50.678	0.5					T__				m_e	ML 4.0
OBKA	4.19		Pn	13:05:33.558	0.9					T__				m_e	ML 4.5
PART	6.66		Sn	13:07:10.476	2.2					T__				m_e	ML 4.0
RJOB	5.90		Sn	13:06:55.929	1.4					T__				m_e	
RJOB	5.90		Pn	13:05:56.170	0.4					T__				m_e	ML 4.1
UBR	7.34		Pn	13:06:11.994	-0.5					T__				m_e	ML 4.7
WET	6.89		Pn	13:06:11.900	0.1					T__				m_e	ML 4.0
WTTA	6.24		Sn	13:06:59.297	1.0					T__				m_e	
WTTA	6.24		Pn	13:05:58.523	0.5					T__				m_e	ML 4.6

Event 70428008 Mindanao, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/28	20:23:18.80			5.4800	125.0800				42.0			33		97.93	103.93	m i	ke EMSC
OrigID 70428040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	7.2		BGR	70428014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	103.02		Pdiff	20:37:11.726	-0.1	68.2		4.50		TAS				a_e	
AHRW	103.02		PP	20:41:25.265		67.9		7.63		TAS				a_e	
ASSE	100.31		Pdiff	20:36:59.726	0.0	68.2		4.50		TAS				a_e	
ASSE	100.31		PP	20:41:05.465	0.3	67.9		7.63		TAS				a_e	
BFO	103.20		Pdiff	20:37:12.176	-0.5	68.2		4.50		TAS				a_e	
BFO	103.20		PP	20:41:25.565		67.9		7.63		TAS				a_e	
BRG	98.86		Pdiff	20:36:53.126	-0.0	68.2		4.50		TAS				m_e	
BRG	98.86		PP	20:40:53.365	-0.1	67.9		7.63		TAS				a_e	
BSEG	99.79		Pdiff	20:36:57.076	-0.4	68.2		4.50		TAS				a_e	
BSEG	99.79		PP	20:41:00.515	-0.1	67.9		7.63		TAS				a_e	
BUG	102.52		Pdiff	20:37:09.476	-0.2	68.2		4.50		TAS				a_e	
BUG	102.52		PP	20:41:20.915		67.9		7.63		TAS				a_e	
CLL	99.27		Pdiff	20:36:54.626	-0.3	68.2		4.50		TAS				a_e	
CLL	99.27		PP	20:40:56.115	-0.1	67.9		7.63		TAS				a_e	
CLZ	100.59		Pdiff	20:37:01.226	0.3	68.2		4.50		TAS				a_e	
CLZ	100.59		PP	20:41:08.015	1.2	67.9		7.63		TAS				a_e	
FBE	99.20		Pdiff	20:36:54.876	0.2	68.2		4.50		TAS				a_e	
FLT1	99.91		Pdiff	20:36:57.326	-0.6	68.2		4.50		TAS				a_e	
FLT1	99.91		PP	20:41:02.165	-0.1	67.9		7.63		TAS				a_e	
FUR	101.45		Pdiff	20:37:04.776	-0.0	68.2		4.50		TAS				a_e	
FUR	101.45		PP	20:41:13.115	-0.6	67.9		7.63		TAS				a_e	
GEC2	99.70		Pdiff	20:36:56.926	0.0	68.2		4.50		TAS				a_e	
GEC2	99.70		PP	20:41:00.065	-0.1	67.9		7.63		TAS				a_e	
GOR1	99.62		Pdiff	20:36:56.676	0.1	68.2		4.50		TAS				a_e	
GOR1	99.62		PP	20:40:59.165	0.2	67.9		7.63		TAS				a_e	
GRA1	100.92		Pdiff	20:37:02.626	0.2	68.2		4.50		TAS				m_e	
GRA1	100.92		PP	20:41:09.015	-0.5	67.9		7.63		TAS				a_e	
GRA1	100.92		L	21:25:47.396						T__		89349.1	19.60	a_e Ms	7.3
GTTG	100.94		Pdiff	20:37:02.676	0.1	68.2		4.50		TAS				a_e	
GTTG	100.94		PP	20:41:10.515	1.1	67.9		7.63		TAS				a_e	
GUNZ	100.00		Pdiff	20:36:58.326	0.1	68.2		4.50		TAS				a_e	
HLG	100.99		PP	20:41:08.715	0.4	67.9		7.63		TAS				a_e	
IBBN	101.87		Pdiff	20:37:06.726	-0.1	68.2		4.50		TAS				a_e	
IBBN	101.87		PP	20:41:15.915	-0.8	67.9		7.63		TAS				a_e	
KAST	101.97		Pdiff	20:37:07.376	0.2	68.2		4.50		TAS				a_e	
KAST	101.97		PP	20:41:18.215	-0.4	67.9		7.63		TAS				a_e	
MANZ	100.27		Pdiff	20:36:59.876	0.4	68.2		4.50		TAS				a_e	
MANZ	100.27		PP	20:41:04.115	1.2	67.9		7.63		TAS				a_e	
MOX	100.32		Pdiff	20:36:59.726	0.0	68.2		4.50		TAS				a_e	
MOX	100.32		PP	20:41:04.415	-0.5	67.9		7.63		TAS				a_e	
MOX	100.32		L	21:24:57.871						T__		56729.3	21.30	a_e Ms	7.0
NEUB	100.03		Pdiff	20:36:58.226	-0.2	68.2		4.50		TAS				a_e	
NEUB	100.03		PP	20:41:02.165	0.2	67.9		7.63		TAS				a_e	
NRDL	100.48		Pdiff	20:37:00.826	0.3	68.2		4.50		TAS				a_e	
NRDL	100.48		PP	20:41:07.065	-0.1	67.9		7.63		TAS				a_e	
PLN	100.06		Pdiff	20:36:58.576	0.0	68.2		4.50		TAS				a_e	
PLN	100.06		PP	20:41:01.765	1.0	67.9		7.63		TAS				a_e	

RETH	100.80	Pdiff	20:37:01.826	-0.1	68.2	4.50	TAS	a_e
RETH	100.80	PP	20:41:07.765	-0.1	67.9	7.63	TAS	a_e
RGN	97.93	PP	20:40:45.265	-1.1	67.9	7.63	TAS	a_e
RJOB	100.65	Pdiff	20:37:00.776	-0.4	68.2	4.50	TAS	a_e
RJOB	100.65	PP	20:41:07.465	-1.2	67.9	7.63	TAS	a_e
ROTZ	100.29	Pdiff	20:36:59.876	0.3	68.2	4.50	TAS	a_e
ROTZ	100.29	PP	20:41:04.515	1.4	67.9	7.63	TAS	a_e
RUE	98.40	Pdiff	20:36:51.126	0.0	68.2	4.50	TAS	a_e
RUE	98.40	PP	20:40:49.715	-0.2	67.9	7.63	TAS	a_e
STU	102.50	Pdiff	20:37:09.426	-0.1	68.2	4.50	TAS	a_e
STU	102.50	PP	20:41:20.365	0.2	67.9	7.63	TAS	a_e
TANN	99.91	Pdiff	20:36:57.826	-0.0	68.2	4.50	TAS	a_e
TANN	99.91	PP	20:41:01.265	0.7	67.9	7.63	TAS	a_e
TNS	102.35	Pdiff	20:37:09.126	0.2	68.2	4.50	TAS	a_e
TNS	102.35	PP	20:41:20.465	0.2	67.9	7.63	TAS	a_e
UBR	102.36	Pdiff	20:37:08.476	-0.4	68.2	4.50	TAS	a_e
UBR	102.36	PP	20:41:19.565	-1.0	67.9	7.63	TAS	m_e
WERD	99.99	Pdiff	20:36:58.126	-0.1	68.2	4.50	TAS	a_e
WERN	100.00	Pdiff	20:36:58.376	0.1	68.2	4.50	TAS	a_e
WET	100.11	Pdiff	20:36:59.026	0.3	68.2	4.50	TAS	a_e
WET	100.11	PP	20:41:03.265	-0.2	67.9	7.63	TAS	a_e
WLF	103.93	Pdiff	20:37:16.526	0.5	68.2	4.50	TAS	a_e
WLF	103.93	PP	20:41:32.265		67.9	7.63	TAS	a_e

Event 70429002 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/29	08:36:25.60			24.9200	127.7600				10.0				28	83.93	89.47	m i ke	EMSC
70429034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70429008
Ms	4.7		BGR	70429008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.45		P	08:49:19.259	-0.7	54.4		4.92		TAS		20.3	1.48	m_e mb	5.2
BRG	84.73		P	08:49:00.588	0.0	54.4		4.92		TAS		18.3	1.23	m_e mb	5.2
BRG	84.73		X	08:49:12.563	0.4					T__				m_e	
BSEG	84.81		P	08:49:01.076	-0.6	54.4		4.92		TAS		27.0	1.02	m_e mb	5.4
BSEG	84.81		X	08:49:12.956	0.4					T__				m_e	
BUG	87.80		P	08:49:16.325	0.3	54.4		4.92		TAS		9.4	1.08	m_e mb	5.0
CLL	84.98		P	08:49:01.565	-0.4	54.4		4.92		TAS		20.8	0.98	m_e mb	5.3
CLL	84.98		X	08:49:13.409	0.4					T__				m_e	
CLZ	86.02		P	08:49:07.427	0.1	54.4		4.92		TAS		21.0	1.18	m_e mb	5.1
CLZ	86.02		X	08:49:19.491	0.4					T__				m_e	
FBE	85.01		P	08:49:02.298	0.3	54.4		4.92		TAS		44.8	1.40	m_e mb	5.5

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 70429009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	58.36		P	11:03:26.722	0.1	156.8		7.11		TAS		19.1	1.14	a_e mb	5.0
ASSE	58.83		P	11:03:30.222	-0.3	156.8		7.11		TAS		27.6	1.00	a_e mb	5.2
BFO	56.02		P	11:03:10.105	0.0	156.8		7.11		TAS		22.7	1.46	m_e mb	5.0
BRG	56.91		P	11:03:16.222	-0.2	156.8		7.11		TAS		13.9	1.21	a_e mb	4.9
BSEG	60.57		P	11:03:41.922		156.8		7.11		TAS		40.9	1.11	a_e mb	5.2
BUG	59.11		P	11:03:31.922	0.3	156.8		7.11		TAS		28.5	1.16	a_e mb	5.2
CLL	57.52		P	11:03:20.572	-0.3	156.8		7.11		TAS		15.0	1.18	a_e mb	4.9
CLZ	58.64		P	11:03:28.872	-0.0	156.8		7.11		TAS		21.3	1.34	a_e mb	5.0
FBE	57.08		P	11:03:17.722	-0.0	156.8		7.11		TAS		8.4	0.90	a_e mb	4.8
FLT1	58.88		P	11:03:30.272	-0.2	156.8		7.11		TAS		11.6	1.01	a_e mb	4.9
FUR	55.03		P	11:03:03.111	-0.2	156.8		7.11		TAS		53.0	1.58	m_e mb	5.3
GEC2	55.06		P	11:03:03.822	0.4	156.8		7.11		TAS		45.3	1.32	a_e mb	5.3
GOR1	59.47		P	11:03:35.022	0.4	156.8		7.11		TAS		180.1	1.26	a_e mb	6.0
GRA1	56.45		P	11:03:13.272	-0.1	156.8		7.11		TAS		53.5	1.21	a_e mb	5.4
GTTG	58.47		P	11:03:27.872	-0.2	156.8		7.11		TAS		46.6	1.09	a_e mb	5.4
GUNZ	56.80		P	11:03:16.172	0.4	156.8		7.11		TAS		25.4	1.34	a_e mb	5.1
IBBN	59.74		P	11:03:36.972	-0.7	156.8		7.11		TAS		36.5	1.60	a_e mb	5.2
KAST	58.57		P	11:03:28.522	-0.1	156.8		7.11		TAS		13.5	1.06	a_e mb	4.9
MANZ	56.50		P	11:03:13.722	0.0	156.8		7.11		TAS		9.0	1.03	a_e mb	4.7
MOX	57.23		P	11:03:18.922	0.0	156.8		7.11		TAS		19.9	1.12	a_e mb	5.0
NEUB	57.70		P	11:03:22.322	0.1	156.8		7.11		TAS		30.6	0.90	a_e mb	5.3
NRDL	59.30		P	11:03:33.972	0.2	156.8		7.11		TAS		77.2	0.98	a_e mb	5.7
PLN	56.95		P	11:03:16.972	0.1	156.8		7.11		TAS		21.1	0.85	a_e mb	5.2
RETH	59.71		P	11:03:36.922	0.2	156.8		7.11		TAS		54.9	1.34	a_e mb	5.4
RJOB	54.24		P	11:02:57.239	-0.5	156.8		7.11		TAS		7.4	1.17	m_e mb	4.6
ROTZ	56.27		P	11:03:12.022	-0.1	156.8		7.11		TAS		5.9	1.22	a_e mb	4.5
RUE	58.45		P	11:03:27.172	0.1	156.8		7.11		TAS		56.9	1.12	a_e mb	5.5
STU	56.16		P	11:03:11.470	0.2	156.8		7.11		TAS		42.9	0.73	m_e mb	5.6
TANN	56.81		P	11:03:16.272	0.3	156.8		7.11		TAS		28.2	1.36	m_e mb	5.1
TNS	57.68		P	11:03:21.872	-0.2	156.8		7.11		TAS		26.9	0.91	a_e mb	5.3
UBR	54.91		P	11:03:02.035	-0.3	156.8		7.11		TAS		15.6	1.23	m_e mb	4.9
WERD	56.88		P	11:03:16.722	0.3	156.8		7.11		TAS		42.5	1.68	a_e mb	5.2
WERN	56.71		P	11:03:15.572	0.3	156.8		7.11		TAS		41.3	1.64	a_e mb	5.2
WET	55.53		P	11:03:06.772	-0.1	156.8		7.11		TAS		26.3	1.25	a_e mb	5.1

Event 70429005 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/29	11:15:54.30			63.5800	-150.3500				33.0			33		61.86	68.23	m i ke	BGR
				70429011													

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 70429011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	64.85		P	11:26:30.403	0.1	351.3		6.48		TAS		22.1	1.67	m_e mb	5.1
ASSE	63.68		P	11:26:23.073	-0.1	351.3		6.48		TAS		18.7	1.83	m_e mb	5.0
BFO	67.17		P	11:26:45.579	-0.7	351.3		6.48		TAS		49.5	2.23	m_e mb	5.3
BRG	65.22		P	11:26:33.107	-0.1	351.3		6.48		TAS		8.4	1.04	m_e mb	4.9
BSEG	61.86		P	11:26:11.344	-0.1	351.3		6.48		TAS		20.2	1.40	m_e mb	5.2
BUG	63.99		P	11:26:25.141	0.0	351.3		6.48		TAS		23.1	1.33	m_e mb	5.2
CLL	64.71		P	11:26:29.507	-0.3	351.3		6.48		TAS		7.9	1.13	m_e mb	4.8
CLZ	63.93		P	11:26:25.071	0.2	351.3		6.48		TAS		12.2	0.97	m_e mb	5.1
FBE	65.13		P	11:26:32.543	0.0	351.3		6.48		TAS		6.2	0.82	m_e mb	4.9
FLT1	63.53		P	11:26:21.471	-0.8	351.3		6.48		TAS		6.8	0.90	m_e mb	4.9
FUR	67.66		P	11:26:48.380	-0.2	351.3		6.48		TAS		21.7	0.93	m_e mb	5.4
GEC2	67.22		P	11:26:46.122	-0.2	351.3		6.48		TAS		7.5	1.15	m_e mb	4.8
GOR1	62.89		P	11:26:18.034	-0.0	351.3		6.48		TAS		22.1	1.22	m_e mb	5.2
GRA1	66.14		P	11:26:39.469	0.2	351.3		6.48		TAS		89.9	2.50	m_e mb	5.6
GTTG	64.18		P	11:26:26.829	0.3	351.3		6.48		TAS		19.2	0.99	m_e mb	5.3
GUNZ	65.59		P	11:26:35.702	0.6	351.3		6.48		TAS		8.3	1.06	m_e mb	4.9
IBBN	63.19		P	11:26:19.943	-0.1	351.3		6.48		TAS		15.2	0.84	m_e mb	5.2
MANZ	65.94		P	11:26:37.902	0.2	351.3		6.48		TAS		1.3	1.11	m_e mb	4.1
MOX	65.24		P	11:26:33.191	-0.3	351.3		6.48		TAS		18.2	1.25	m_e mb	5.2
NEUB	64.71		P	11:26:29.710	0.0	351.3		6.48		TAS		12.1	0.97	m_e mb	5.1
NRDL	63.26		P	11:26:20.327	-0.2	351.3		6.48		TAS		72.7	2.24	m_e mb	5.4
PLN	65.45		P	11:26:34.781	-0.1	351.3		6.48		TAS		34.2	1.96	m_e mb	5.2
RETH	62.94		P	11:26:18.518	0.1	351.3		6.48		TAS		40.1	1.85	m_e mb	5.2
RJOB	68.23		P	11:26:52.484	-0.1	351.3		6.48		TAS		7.4	0.88	m_e mb	4.9
ROTZ	66.17		P	11:26:39.552	0.5	351.3		6.48		TAS		2.3	1.11	m_e mb	4.3
RUE	63.62		P	11:26:22.975	0.3	351.3		6.48		TAS		26.9	0.76	m_e mb	5.5
TANN	65.55		P	11:26:35.367	0.1	351.3		6.48		TAS		17.5	1.73	m_e mb	5.0
TNS	65.32		P	11:26:33.971	0.1	351.3		6.48		TAS		7.8	0.96	m_e mb	4.9
UBR	68.01		P	11:26:51.199		351.3		6.48		TAS		7.3	1.09	m_e mb	4.8
WERD	65.50		P	11:26:34.939	0.1	351.3		6.48		TAS		12.4	1.49	m_e mb	4.9
WERN	65.67		P	11:26:36.706	0.1	351.3		6.48		TAS		6.4	0.82	m_e mb	4.9
WET	66.85		P	11:26:43.931	0.1	351.3		6.48		TAS		11.6	1.36	m_e mb	4.9
WLF	65.59		P	11:26:35.933	0.3	351.3		6.48		TAS		9.2	0.92	m_e mb	5.0

Event 70429006 Southeast of Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/29	12:32:34.56			31.5800	132.4200				33.0			35		80.67	86.10	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70429012
Ms	6.2		BGR	70429012

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70429013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	88.15		P	18:05:14.900		109.4		4.14		TAS		6.4	1.26	m_e	mb	4.8

Event 70429008 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/04/29	20:23:00.61			30.3710	131.1920				33.0			16		81.93	86.46	m i ke	BGR
				70429014													

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70429014
Ms	4.9		BGR	70429014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	86.46		P	20:35:38.861		57.0		4.86		TAS		9.6	0.95	m_e	mb	4.9
CLL	82.22		P	20:35:16.771		57.0		4.86		TAS		8.3	0.71	m_e	mb	5.0
CLZ	83.12		P	20:35:21.827	0.5	57.0		4.86		TAS		6.7	0.82	m_e	mb	4.9
FBE	82.30		P	20:35:18.036		57.0		4.86		TAS		16.6	1.26	m_e	mb	5.0
FLT1	82.39		P	20:35:18.376	-0.5	57.0		4.86		TAS		6.4	0.69	m_e	mb	4.9
FUR	85.12		P	20:35:32.756		57.0		4.86		TAS		25.8	1.05	m_e	mb	5.4
GEC2	83.45		P	20:35:23.856		57.0		4.86		TAS		5.0	0.93	m_e	mb	4.7
GOR1	81.93		P	20:35:15.996	-0.3	57.0		4.86		TAS		18.5	1.25	m_e	mb	5.1
GRA1	84.14		P	20:35:27.759		57.0		4.86		TAS		21.3	1.11	m_e	mb	5.3
GRA1	84.14		L	21:16:35.845						T__		529.8	20.00	a_e	Ms	4.9
IBBN	83.99		P	20:35:26.154	0.2	57.0		4.86		TAS		222.7	3.58	m_e	mb	5.8
MANZ	83.51		P	20:35:24.360		57.0		4.86		TAS		1.6	1.00	m_e	mb	4.2
MOX	83.32		L	21:16:18.895						T__		557.9	19.60	a_e	Ms	4.9
NEUB	82.89		P	20:35:20.576		57.0		4.86		TAS		14.8	0.94	m_e	mb	5.2
RJOB	84.62		P	20:35:30.684		57.0		4.86		TAS		13.8	0.99	m_e	mb	5.1
ROTZ	83.60		P	20:35:24.697		57.0		4.86		TAS		1.8	1.05	m_e	mb	4.2
STU	85.74		P	20:35:35.824		57.0		4.86		TAS		39.1	1.07	m_e	mb	5.5
WERD	83.11		P	20:35:21.830		57.0		4.86		TAS		4.2	1.12	m_e	mb	4.6
WERN	83.18		P	20:35:22.421		57.0		4.86		TAS		5.6	0.96	m_e	mb	4.8