

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

(produced by SZO/BGR - HANNOVER)

APRIL 2016

UPDATED 13.October 2017

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

Event 60401001 Near south coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/01	02:39:12.10			34.1300	137.8940				33.0			36		79.65	86.37	m i ke	BGR
OrigID																	
60401007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.4		BGR	60401007
MBB	6.7		BGR	60401007
Ms	6.0		BGR	60401007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.18		P	02:51:43.686	0.1	41.9		5.10		TAS		319.2	1.36	m_e	MBB 6.7
AHRW	85.18		PP	02:55:01.439		41.7		8.31		TAS				m_e	
ASSE	82.51		P	02:51:29.897	0.1	41.9		5.10		TAS		682.7	2.24	m_e	MBB 6.7
ASSE	82.51		PP	02:54:38.768	-0.5	41.7		8.31		TAS				m_e	
BFO	86.37		P	02:51:49.129		41.9		5.10		TAS		266.6	1.33	m_e	MBB 6.7
BFO	86.37		PP	02:55:09.645		41.7		8.31		TAS				m_e	
BRG	82.04		P	02:51:27.421	-0.5	41.9		5.10		TAS		593.8	1.79	m_e	MBB 6.7
BRG	82.04		PP	02:54:34.922	-0.5	41.7		8.31		TAS				m_e	
BSEG	81.30		P	02:51:23.846	0.1	41.9		5.10		TAS		225.6	1.37	m_e	MBB 6.5
BSEG	81.30		PP	02:54:29.249	-0.3	41.7		8.31		TAS				m_e	
BUG	84.40		P	02:51:39.570	0.1	41.9		5.10		TAS		252.9	1.26	m_e	MBB 6.7
BUG	84.40		PP	02:54:55.370		41.7		8.31		TAS				m_e	
CLL	82.13		P	02:51:27.764	0.3	41.9		5.10		TAS		385.2	1.44	m_e	MBB 6.7
CLL	82.13		PP	02:54:35.562	0.1	41.7		8.31		TAS				m_e	
CLZ	82.85		P	02:51:31.341	-0.0	41.9		5.10		TAS		697.2	1.85	m_e	MBB 6.8
CLZ	82.85		PP	02:54:41.246	0.3	41.7		8.31		TAS				m_e	
FBE	82.26		P	02:51:29.039	0.1	41.9		5.10		TAS		913.0	1.65	m_e	MBB 6.9
FBE	82.26		PP	02:54:37.273	-0.3	41.7		8.31		TAS				m_e	
FLT1	82.12		P	02:51:27.567	-0.3	41.9		5.10		TAS		313.2	1.46	m_e	MBB 6.6

FLT1	82.12	PP	02:54:34.892	0.1	41.7	8.31	TAS			m_e		
FUR	85.21	P	02:51:43.904	-0.2	41.9	5.10	TAS	423.0	1.07	m_e	MBB	7.0
GEC2	83.61	P	02:51:35.433	-0.1	41.9	5.10	TAS	490.1	1.86	m_e	MBB	6.6
GEC2	83.61	PP	02:54:48.376	0.5	41.7	8.31	TAS			m_e		
GRA1	84.09	P	02:51:38.499	0.2	41.9	5.10	TAS	2210.8	2.12	m_e	mb	7.0
GRA1	84.09	PP	02:54:52.867	0.2	41.7	8.31	TAS			m_e		
GRA1	84.09	L	03:31:04.140				T__	5095.4	18.60	a_e	Ms	5.9
GTTG	83.23	P	02:51:33.953	0.2	41.9	5.10	TAS	290.2	1.39	m_e	MBB	6.7
GTTG	83.23	PP	02:54:45.638	0.1	41.7	8.31	TAS			m_e		
GUNZ	83.11	P	02:51:33.368	0.3	41.9	5.10	TAS	882.3	2.02	m_e	MBB	6.7
GUNZ	83.11	PP	02:54:44.299	0.2	41.7	8.31	TAS			m_e		
IBBN	83.54	P	02:51:35.364	0.4	41.9	5.10	TAS	331.8	1.35	m_e	MBB	6.8
IBBN	83.54	PP	02:54:47.572	-0.0	41.7	8.31	TAS			m_e		
KAST	84.13	P	02:51:38.448	-0.1	41.9	5.10	TAS	202.1	1.30	m_e	MBB	6.7
MANZ	83.49	P	02:51:35.243	0.1	41.9	5.10	TAS	186.2	2.16	m_e	MBB	6.2
MANZ	83.49	PP	02:54:47.617	0.5	41.7	8.31	TAS			m_e		
MOX	83.21	P	02:51:33.679	0.3	41.9	5.10	TAS	710.8	2.00	m_e	MBB	6.8
MOX	83.21	PP	02:54:45.189	0.3	41.7	8.31	TAS			m_e		
MOX	83.21	L	03:39:21.823				T__	6879.1	19.10	a_e	Ms	6.0
NEUB	82.74	P	02:51:31.195	-0.4	41.9	5.10	TAS	878.8	1.83	m_e	MBB	6.9
NEUB	82.74	PP	02:54:40.553	-0.2	41.7	8.31	TAS			m_e		
NRDL	82.46	P	02:51:29.829	-0.1	41.9	5.10	TAS	699.9	2.26	m_e	MBB	6.6
NRDL	82.46	PP	02:54:38.735	-0.0	41.7	8.31	TAS			m_e		
PLN	83.10	P	02:51:33.177	0.3	41.9	5.10	TAS	686.7	1.99	m_e	MBB	6.8
PLN	83.10	PP	02:54:44.259	0.3	41.7	8.31	TAS			m_e		
RETH	82.58	P	02:51:30.398	0.0	41.9	5.10	TAS	352.6	1.63	m_e	MBB	6.8
RETH	82.58	PP	02:54:39.517	-0.6	41.7	8.31	TAS			m_e		
RGN	79.65	P	02:51:14.999	-0.4	41.9	5.10	TAS	1120.5	2.17	m_e	MBB	6.6
RJOB	84.83	P	02:51:41.918	0.2	41.9	5.10	TAS	281.1	1.33	m_e	MBB	6.8
ROTZ	83.61	P	02:51:36.048	-0.2	41.9	5.10	TAS	328.7	1.98	m_e	MBB	6.4
ROTZ	83.61	PP	02:54:48.783	0.5	41.7	8.31	TAS			m_e		
RUE	80.95	P	02:51:21.901	-0.2	41.9	5.10	TAS	1071.7	1.99	m_e	MBB	6.8
RUE	80.95	PP	02:54:25.849	0.4	41.7	8.31	TAS			m_e		
STU	85.66	P	02:51:45.926	-0.7	41.9	5.10	TAS	689.5	1.24	m_e	MBB	7.0
TANN	83.02	P	02:51:32.577	0.1	41.9	5.10	TAS	857.1	2.24	m_e	MBB	6.8
TANN	83.02	PP	02:54:43.264	0.2	41.7	8.31	TAS			m_e		
TNS	84.87	P	02:51:42.236	0.1	41.9	5.10	TAS	221.2	1.35	m_e	MBB	6.7
UBBA	83.77	P	02:51:36.351	0.1	41.9	5.10	TAS	508.7	1.87	m_e	MBB	6.7
UBBA	83.77	PP	02:54:50.065	0.5	41.7	8.31	TAS			m_e		
UBR	86.09	P	02:51:47.613	0.1	41.9	5.10	TAS	250.1	1.60	m_e	MBB	6.6
WERD	83.06	P	02:51:32.889	0.2	41.9	5.10	TAS	898.9	2.21	m_e	MBB	6.7
WERD	83.06	PP	02:54:44.089	0.1	41.7	8.31	TAS			m_e		
WERN	83.15	P	02:51:33.587	0.1	41.9	5.10	TAS	604.0	1.78	m_e	MBB	6.7
WERN	83.15	PP	02:54:44.803	0.5	41.7	8.31	TAS			m_e		
WET	83.76	P	02:51:36.525	0.4	41.9	5.10	TAS	561.1	1.81	m_e	MBB	6.8
WET	83.76	PP	02:54:50.152	0.7	41.7	8.31	TAS			m_e		
WLF	86.24	P	02:51:49.115	-0.6	41.9	5.10	TAS	685.2	1.88	m_e	MBB	6.6

Event 60401007 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/01	14:30:48.60			35.9700	25.1900				89.0					17.08	17.08	m i ke	EMSC
OrigID 60401039																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	60401013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	17.08		P	14:34:41.329		130.8		11.65		TAS		50.4	1.22	m_e	mb 4.5
GRA1	17.08		sP	14:35:45.586		143.6		11.11		TAS				m_e	

Event 60402002 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/02	05:50:09.93			57.9300	-158.5280				33.0				35	67.70	74.45	m i ke	BGR
OrigID 60402008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	60402008
Ms	6.1		BGR	60402008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.25		P	06:01:23.988	0.3	354.3		5.99		TAS		65.7	1.10	m_e	mb 5.7
ASSE	69.95		P	06:01:15.971	-0.5	354.3		5.99		TAS		88.7	1.50	m_e	mb 5.7
BFO	73.55		P	06:01:37.302	-0.3	354.3		5.99		TAS		36.6	1.04	m_e	mb 5.3
BRG	71.38		P	06:01:24.551	0.1	354.3		5.99		TAS		82.4	1.10	m_e	mb 5.8
BSEG	68.13		P	06:01:05.091	0.1	354.3		5.99		TAS		74.9	1.05	m_e	mb 5.9
BUG	70.37		P	06:01:18.326	0.3	354.3		5.99		TAS		117.2	1.14	m_e	mb 5.9
CLL	70.90		P	06:01:21.499	-0.0	354.3		5.99		TAS		51.9	1.08	m_e	mb 5.6
CLZ	70.21		P	06:01:17.139	-0.2	354.3		5.99		TAS		90.5	1.15	m_e	mb 5.8
FBE	71.31		P	06:01:24.416	-0.0	354.3		5.99		TAS		89.0	1.06	m_e	mb 5.8
FLT1	69.78		P	06:01:14.607	0.2	354.3		5.99		TAS		79.0	1.31	m_e	mb 5.7
GEC2	73.40		P	06:01:36.684	-0.3	354.3		5.99		TAS		41.7	1.08	m_e	mb 5.5
GRA1	72.41		P	06:01:31.108	0.1	354.3		5.99		TAS		66.1	1.10	m_e	mb 5.7
GRA1	72.41		L	06:35:10.977						T__		9814.2	21.30	a_e	Ms 6.1
GTTG	70.48		P	06:01:19.505	0.1	354.3		5.99		TAS		120.5	1.10	m_e	mb 5.9
GUNZ	71.81		P	06:01:27.267	0.3	354.3		5.99		TAS		36.3	1.09	m_e	mb 5.4
HLG	67.70		P	06:01:02.455	-0.1	354.3		5.99		TAS		249.8	1.16	m_e	mb 6.3
IBBN	69.55		P	06:01:13.806	-0.1	354.3		5.99		TAS		119.1	1.10	m_e	mb 5.9
KAST	70.70		P	06:01:20.601	-0.2	354.3		5.99		TAS		52.8	1.02	m_e	mb 5.6
MANZ	72.17		P	06:01:29.248	0.1	354.3		5.99		TAS		9.2	1.12	m_e	mb 4.8
MOX	71.49		P	06:01:25.364	0.1	354.3		5.99		TAS		91.6	1.10	m_e	mb 5.8

MOX	71.49	L	06:34:23.332						T__	9796.0	20.60	a_e	Ms	6.1	
NEUB	70.95	P	06:01:22.019	-0.3	354.3		5.99		TAS	97.3	1.13	m_e	mb	5.8	
NRDL	69.55	P	06:01:13.573	-0.5	354.3		5.99		TAS	91.0	1.12	m_e	mb	5.8	
PLN	71.68	P	06:01:26.441	0.0	354.3		5.99		TAS	50.3	1.14	m_e	mb	5.5	
RETH	69.25	P	06:01:11.910	0.2	354.3		5.99		TAS	85.2	1.24	m_e	mb	5.8	
RJOB	74.45	P	06:01:42.849		354.3		5.99		TAS	89.2	0.95	m_e	mb	5.8	
ROTZ	72.40	P	06:01:30.777	0.3	354.3		5.99		TAS	17.2	1.18	m_e	mb	5.1	
RUE	69.78	P	06:01:15.182	-0.1	354.3		5.99		TAS	194.7	1.11	m_e	mb	6.1	
STU	73.18	P	06:01:35.204	0.0	354.3		5.99		TAS	137.2	1.06	m_e	mb	6.0	
TANN	71.77	P	06:01:27.058	0.1	354.3		5.99		TAS	87.5	1.55	m_e	mb	5.7	
TNS	71.68	P	06:01:26.533	0.1	354.3		5.99		TAS	66.3	1.07	m_e	mb	5.7	
UBBA	71.21	P	06:01:23.237	0.2	354.3		5.99		TAS	75.1	1.66	m_e	mb	5.6	
UBR	74.34	P	06:01:42.023		354.3		5.99		TAS	43.7	1.01	m_e	mb	5.4	
WERD	71.72	P	06:01:26.716	0.1	354.3		5.99		TAS	76.4	1.38	m_e	mb	5.6	
WERN	71.89	P	06:01:27.951	0.4	354.3		5.99		TAS	53.8	1.06	m_e	mb	5.6	
WET	73.06	P	06:01:34.794	-0.2	354.3		5.99		TAS	102.4	1.70	m_e	mb	5.7	
WLF	72.03	P	06:01:28.783	-0.1	354.3		5.99		TAS	86.2	1.05	m_e	mb	5.8	

Event 60402003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/02	13:52:46.67			-16.9350	-173.7180				33.0			12		145.62	148.82	m i ke	BGR
60402009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.65		PKPbc	14:12:30.226		8.7		2.91		TAS				m_e	
FBE	145.62		PKPbc	14:12:21.257		8.7		2.91		TAS				m_e	
GRA1	147.08		PKPbc	14:12:25.495		8.7		2.91		TAS				m_e	
GUNZ	146.30		PKPbc	14:12:23.559		8.7		2.91		TAS				m_e	
MOX	146.10		PKPbc	14:12:22.584		8.7		2.91		TAS				m_e	
PLN	146.20		PKPbc	14:12:22.969		8.7		2.91		TAS				m_e	
RJOB	148.82		PKPbc	14:12:30.691		8.7		2.91		TAS				m_e	
ROTZ	146.90		PKPbc	14:12:25.425		8.7		2.91		TAS				m_e	
TANN	146.23		PKPbc	14:12:23.171		8.7		2.91		TAS				m_e	
TNS	146.75		PKPbc	14:12:24.875		8.7		2.91		TAS				m_e	
WERD	146.22		PKPbc	14:12:22.989		8.7		2.91		TAS				m_e	
WERN	146.37		PKPbc	14:12:23.867		8.7		2.91		TAS				m_e	

Event 60402006 Fox Islands, Aleutian Islands, United States

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

2016/04/02 23:23:54.94  
60402012

54.0440 -169.6060

33.0

31

72.39 78.65 m i ke BGR

Magnitude Err Nsta Author OrigID  
mb 4.9 BGR 60402012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.75		P	23:35:35.275	0.2	0.5		5.68		TAS		9.8	0.94	m_e mb	4.9
ASSE	74.20		P	23:35:26.360	0.2	0.5		5.68		TAS		7.8	0.96	m_e mb	4.7
BFO	77.99		P	23:35:47.597		0.5		5.68		TAS		39.1	2.17	m_e mb	5.2
BRG	75.41		P	23:35:33.182	0.1	0.5		5.68		TAS		9.4	0.80	m_e mb	4.9
BSEG	72.39		P	23:35:16.113	-0.1	0.5		5.68		TAS		17.5	0.99	m_e mb	5.1
BUG	74.86		P	23:35:29.929	-0.1	0.5		5.68		TAS		24.9	1.44	m_e mb	5.0
CLL	75.00		P	23:35:30.608	0.1	0.5		5.68		TAS		8.9	0.66	m_e mb	4.9
CLZ	74.49		P	23:35:27.643	-0.1	0.5		5.68		TAS		12.8	0.86	m_e mb	5.0
FBE	75.38		P	23:35:33.240	0.1	0.5		5.68		TAS		10.6	0.77	m_e mb	4.9
FLT1	73.99		P	23:35:24.804	-0.4	0.5		5.68		TAS		8.5	0.76	m_e mb	4.8
FUR	78.17		P	23:35:48.811		0.5		5.68		TAS		10.5	0.88	m_e mb	5.0
GRA1	76.64		P	23:35:40.703	-0.2	0.5		5.68		TAS		13.7	0.94	m_e mb	5.1
GTTG	74.78		P	23:35:29.916	-0.3	0.5		5.68		TAS		16.5	1.02	m_e mb	5.0
GUNZ	75.95		P	23:35:36.619	0.3	0.5		5.68		TAS		5.0	0.77	m_e mb	4.7
IBBN	74.00		P	23:35:25.377	-0.1	0.5		5.68		TAS		26.4	1.19	m_e mb	5.1
KAST	75.11		P	23:35:31.450	0.2	0.5		5.68		TAS		6.0	0.86	m_e mb	4.6
MANZ	76.33		P	23:35:38.446	0.1	0.5		5.68		TAS		1.0	0.92	m_e mb	4.0
MOX	75.68		P	23:35:34.910	0.1	0.5		5.68		TAS		11.8	1.11	m_e mb	4.9
NEUB	75.13		P	23:35:31.783	-0.1	0.5		5.68		TAS		18.9	1.07	m_e mb	5.0
NRDL	73.83		P	23:35:24.281	0.2	0.5		5.68		TAS		10.6	1.01	m_e mb	4.8
PLN	75.83		P	23:35:35.813	0.4	0.5		5.68		TAS		7.2	1.29	m_e mb	4.6
RETH	73.58		P	23:35:22.906	0.0	0.5		5.68		TAS		20.7	1.38	m_e mb	5.0
RJOB	78.57		P	23:35:51.055		0.5		5.68		TAS		6.5	0.79	m_e mb	4.7
ROTZ	76.55		P	23:35:39.870	-0.1	0.5		5.68		TAS		1.4	0.86	m_e mb	4.1
RUE	73.81		P	23:35:24.232	-0.5	0.5		5.68		TAS		16.9	0.70	m_e mb	5.2
TANN	75.90		P	23:35:36.170	-0.1	0.5		5.68		TAS		3.6	0.81	m_e mb	4.5
TNS	76.09		P	23:35:37.164	0.5	0.5		5.68		TAS		13.1	1.29	m_e mb	4.9
UBR	78.65		P	23:35:51.384		0.5		5.68		TAS		14.0	1.26	m_e mb	4.8
WERN	76.03		P	23:35:37.155	0.1	0.5		5.68		TAS		11.8	1.22	m_e mb	4.9
WET	77.17		P	23:35:43.306	-0.3	0.5		5.68		TAS		9.7	1.26	m_e mb	4.8
WLF	76.60		P	23:35:40.308	-0.3	0.5		5.68		TAS		37.7	1.63	m_e mb	5.3

Event 60403001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/03	00:22:20.70			-26.0600	-179.9300				479.0			9		151.13	156.25	m i ke	EMSC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	152.76		PKPbc	00:41:22.453	-0.1	20.7		2.15		TAS				m_e	
BRG	153.04		PKPbc	00:41:23.228	0.3	20.7		2.15		TAS				m_e	
BRG	153.04		PKPab	00:41:37.051		19.2		4.39		TAS				m_e	
BSEG	151.13		PKPbc	00:41:19.014	-0.1	20.7		2.15		TAS				m_e	
CLL	152.93		PKPbc	00:41:22.979	-0.3	20.7		2.15		TAS				m_e	
CLL	152.93		PKPab	00:41:36.251	0.2	19.2		4.39		TAS				m_e	
CLZ	153.09		PKPbc	00:41:22.896		20.7		2.15		TAS				m_e	
CLZ	153.09		PKPab	00:41:36.279		19.2		4.39		TAS				m_e	
FBE	153.17		PKPbc	00:41:23.936		20.7		2.15		TAS				m_e	
FBE	153.17		PKPab	00:41:37.919		19.2		4.39		TAS				m_e	
FLT1	152.44		PKPbc	00:41:21.686	0.1	20.7		2.15		TAS				m_e	
FUR	156.25		PKPab	00:41:51.291		19.2		4.39		TAS				m_e	
GUNZ	153.96		PKPab	00:41:41.262		19.2		4.39		TAS				m_e	
NRDL	152.53		PKPbc	00:41:22.113	-0.0	20.7		2.15		TAS				m_e	
RETH	152.45		PKPbc	00:41:21.978	-0.0	20.7		2.15		TAS				m_e	
RJOB	156.15		PKPab	00:41:50.948		19.2		4.39		TAS				m_e	
RUE	151.66		PKPbc	00:41:20.216	0.1	20.7		2.15		TAS				m_e	
WERN	154.02		PKPab	00:41:41.530		19.2		4.39		TAS				m_e	
WET	154.89		PKPab	00:41:45.355		19.2		4.39		TAS				m_e	

Event 60403002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/03	00:46:13.27			34.1620	26.5390				33.0			33		18.05	23.94	m i ke	BGR
OrigID 60403008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60403008
Ms	3.8		BGR	60403008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.68		P	00:51:02.702	0.2	138.3		10.94		TAS		66.6	1.04	m_e mb	5.0
BFO	19.62		P	00:50:39.514	-0.6	138.3		10.94		TAS		40.0	0.96	m_e mb	4.6
BRG	19.06		P	00:50:32.890	0.8	138.3		10.94		TAS		19.2	1.06	m_e mb	4.3
BSEG	22.85		P	00:51:13.730		138.3		10.94		TAS		57.8	1.27	m_e mb	5.0
BUG	22.20		P	00:51:08.349	-0.4	138.3		10.94		TAS		122.1	1.03	m_e mb	5.3
CLL	19.75		P	00:50:41.636	1.0	138.3		10.94		TAS		46.6	1.00	m_e mb	4.7
CLZ	21.18		P	00:50:56.230	-0.1	138.3		10.94		TAS		35.5	1.00	m_e mb	4.7
FBE	19.31		P	00:50:37.274	0.5	138.3		10.94		TAS		47.9	0.92	m_e mb	4.7
FLT1	21.23		P	00:50:57.095	0.1	138.3		10.94		TAS		47.0	0.90	m_e mb	4.8
FUR	18.05		P	00:50:22.026	-0.0	138.3		10.94		TAS		201.2	1.13	m_e mb	5.1
GRA1	19.19		P	00:50:34.656	0.4	138.3		10.94		TAS		124.0	1.20	m_e mb	5.0
GRA1	19.19		L	00:58:22.271						T__		300.0	20.90	a_e Ms	3.6
GTTG	21.12		P	00:50:56.988	1.2	138.3		10.94		TAS		259.4	1.04	m_e mb	5.5

GUNZ	19.25	P	00:50:35.479	-0.5	138.3	10.94	TAS	59.9	1.10	m_e	mb	4.7
HLG	23.94	P	00:51:24.796		138.3	10.94	TAS	180.8	0.92	m_e	mb	5.6
IBBN	22.60	P	00:51:12.349	-2.1	138.3	10.94	TAS	71.1	0.99	m_e	mb	5.2
KAST	21.52	P	00:51:00.810	0.5	138.3	10.94	TAS	94.1	0.99	m_e	mb	5.2
MANZ	19.04	P	00:50:32.888	-0.8	138.3	10.94	TAS	6.2	0.88	m_e	mb	3.8
MOX	19.75	P	00:50:41.907	1.0	138.3	10.94	TAS	29.5	0.95	m_e	mb	4.5
MOX	19.75	L	00:59:41.150				T__	633.3	21.00	a_e	Ms	3.9
NEUB	20.12	P	00:50:46.246	-0.7	138.3	10.94	TAS	68.7	0.87	m_e	mb	4.9
NRDL	21.79	P	00:51:03.607	0.3	138.3	10.94	TAS	37.7	0.88	m_e	mb	4.8
PLN	19.41	P	00:50:38.311	1.4	138.3	10.94	TAS	25.5	0.87	m_e	mb	4.5
RETH	22.26	P	00:51:09.036	-0.4	138.3	10.94	TAS	192.7	1.07	m_e	mb	5.5
ROTZ	18.83	P	00:50:30.318	-0.9	138.3	10.94	TAS	3.0	0.79	m_e	mb	3.6
RUE	20.47	P	00:50:48.990	0.6	138.3	10.94	TAS	104.8	1.53	m_e	mb	4.8
STU	19.48	P	00:50:38.291	0.8	138.3	10.94	TAS	161.3	0.84	m_e	mb	5.3
TANN	19.24	P	00:50:35.192	0.0	138.3	10.94	TAS	87.6	1.02	m_e	mb	4.9
TNS	20.82	P	00:50:53.368	1.9	138.3	10.94	TAS	171.1	1.63	m_e	mb	5.1
UBBA	20.56	P	00:50:49.655	0.3	138.3	10.94	TAS	45.1	1.51	m_e	mb	4.6
UBR	18.29	P	00:50:24.544	-2.2	138.3	10.94	TAS	110.9	0.95	m_e	mb	5.0
WERD	19.33	P	00:50:37.431	0.7	138.3	10.94	TAS	66.4	0.98	m_e	mb	4.8
WERN	19.17	P	00:50:34.450	-0.4	138.3	10.94	TAS	29.4	0.98	m_e	mb	4.5
WET	18.07	P	00:50:21.007	-1.2	138.3	10.94	TAS	39.2	1.01	m_e	mb	4.5
WLF	21.58	P	00:51:01.294	-0.7	138.3	10.94	TAS	116.6	1.00	m_e	mb	5.3

Event 60403003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/03	08:23:54.10			-14.3200	166.8500				40.0					138.58	139.49	m i ke	EMSC
OrigID 60403035																	

Magnitude Err Nsta Author  
Ms 7.0 BGR OrigID 60403009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	139.49		PKPdf	08:43:08.992		42.4		1.33		TAS				m_e	
GRA1	139.49		PP	08:46:09.898		35.8		5.70		TAS				m_e	
GRA1	139.49		SKPbc	08:46:52.286		49.8		2.32		TAS				m_e	
GRA1	139.49		SKKPab	08:55:28.995		209.1		4.82		TAS				m_e	
GRA1	139.49		L	09:46:13.470						T__	25471.8	21.50		a_e	Ms 6.9
MOX	138.58		L	09:46:05.706						T__	27527.7	20.80		a_e	Ms 7.0

Event 60403005 Vanuatu Islands

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

2016/04/03 14:48:04.70 -14.1400 166.8600 30.0 139.33 139.33 m i ke EMSC  
60403037

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	139.33		PKPdf	15:07:30.504		47.8		1.35		TAS					m_e
GRA1	139.33		SKPbc	15:11:13.623		37.9		2.47		TAS					m_e

Event 60403006 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
2016/04/03	15:34:32.19		36.5060	140.9780					38.4					83.35	83.35	m i ke	BGR

Magnitude Err Nsta Author OrigID  
mb 5.0 BGR 60403012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.35		P	15:46:53.941		43.2		4.43		TAS		14.2	1.44	m_e mb	5.0
GRA1	83.35		pP	15:47:05.060						T__				m_e	

Event 60403007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/03	18:18:58.50		-14.2900	166.7900					40.0					138.53	139.44	m i ke	EMSC

Magnitude Err Nsta Author OrigID  
Ms 5.1 BGR 60403013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	139.44		PKPdf	18:38:22.229		38.1		1.47		TAS					m_e
GRA1	139.44		SKPbc	18:42:07.972		47.4		2.18		TAS					m_e
GRA1	139.44		L	19:43:37.366						T__		345.7	20.10	a_e Ms	5.1
MOX	138.53		L	19:42:59.116						T__		340.6	20.30	a_e Ms	5.1

Event 60403008 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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2016/04/03 22:21:43.00 -22.5320 -173.5470 33.0 11 149.58 152.63 m i ke BGR  
60403014

Magnitude Err Nsta Author OrigID  
Ms 5.3 BGR 60403014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.28		PKPbc	22:41:30.658	-0.1	9.6		2.32		TAS				m_e	
BRG	151.11		PKPbc	22:41:32.731		9.6		2.32		TAS				m_e	
CLL	150.83		PKPbc	22:41:31.900	0.1	9.6		2.32		TAS				m_e	
CLZ	150.59		PKPbc	22:41:31.141	-0.2	9.6		2.32		TAS				m_e	
FBE	151.16		PKPbc	22:41:33.216		9.6		2.32		TAS				m_e	
FLT1	150.03		PKPbc	22:41:30.125	0.4	9.6		2.32		TAS				m_e	
GRA1	152.63		L	23:56:34.312						T__		415.8	19.30	a_e Ms	5.3
GTTG	150.91		PKPbc	22:41:32.653		9.6		2.32		TAS				m_e	
MANZ	152.24		PKPbc	22:41:35.411		9.6		2.32		TAS				m_e	
MOX	151.65		PKPbc	22:41:33.710		9.6		2.32		TAS				m_e	
MOX	151.65		L	23:58:04.672						T__		400.9	19.00	a_e Ms	5.2
RETH	149.76		PKPbc	22:41:29.829	-0.4	9.6		2.32		TAS				m_e	
RUE	149.58		PKPbc	22:41:29.252	-0.1	9.6		2.32		TAS				m_e	

Event 60404003 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2016/04/04 02:08:05.92 -16.3110 -177.6560 547.3 34 141.94 148.07 m i ke BGR  
60404009

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.64		PKPbc	02:26:42.425	-0.0	15.3		2.91		TAS				m_e	
AHRW	145.64		PKPab	02:26:46.331		17.1		3.85		TAS				m_e	
ASSE	143.66		PKPbc	02:26:36.405	-0.4	15.3		2.91		TAS				m_e	
BFO	147.69		PKPbc	02:26:47.726		15.3		2.91		TAS				m_e	
BFO	147.69		PKPab	02:26:53.086		17.1		3.85		TAS				m_e	
BRG	144.28		PKPbc	02:26:38.305	0.4	15.3		2.91		TAS				m_e	
BSEG	141.94		PKPbc	02:26:30.616	-0.6	15.3		2.91		TAS				m_e	
BUG	144.73		PKPdf	02:26:38.526		17.7		1.61		TAS				m_e	
BUG	144.73		PKPbc	02:26:39.738	0.2	15.3		2.91		TAS				m_e	
CLL	144.06		PKPbc	02:26:37.577	0.4	15.3		2.91		TAS				m_e	
CLZ	143.98		PKPbc	02:26:37.006	0.0	15.3		2.91		TAS				m_e	
FBE	144.36		PKPbc	02:26:38.895	0.2	15.3		2.91		TAS				m_e	
FBE	144.36		pPKPdf	02:28:48.327						T__				m_e	
FLT1	143.38		PKPbc	02:26:35.206	-0.0	15.3		2.91		TAS				m_e	
FUR	147.40		PKPbc	02:26:46.954	-0.7	15.3		2.91		TAS				m_e	
FUR	147.40		PKPab	02:26:52.121		17.1		3.85		TAS				m_e	

GEC2	146.25	PKPdf	02:26:40.733		17.7	1.61	TAS	m_e
GEC2	146.25	PKPbc	02:26:43.854	-0.3	15.3	2.91	TAS	m_e
GRA1	145.93	PKPdf	02:26:40.521		17.7	1.61	TAS	m_e
GRA1	145.93	PKPbc	02:26:43.399	0.4	15.3	2.91	TAS	m_e
GRA1	145.93	PKPab	02:26:46.350		17.1	3.85	TAS	m_e
GTTG	144.32	PKPbc	02:26:38.824	-0.1	15.3	2.91	TAS	m_e
GUNZ	145.09	PKPdf	02:26:39.271		17.7	1.61	TAS	m_e
GUNZ	145.09	PKPbc	02:26:40.997	0.2	15.3	2.91	TAS	m_e
IBBN	143.83	PKPbc	02:26:37.335	-0.0	15.3	2.91	TAS	m_e
KAST	144.85	PKPdf	02:26:38.795		17.7	1.61	TAS	m_e
KAST	144.85	PKPbc	02:26:40.259	0.3	15.3	2.91	TAS	m_e
MANZ	145.49	PKPdf	02:26:39.812		17.7	1.61	TAS	m_e
MANZ	145.49	PKPbc	02:26:42.013	0.3	15.3	2.91	TAS	m_e
MANZ	145.49	PKPab	02:26:43.991		17.1	3.85	TAS	m_e
MOX	144.95	PKPdf	02:26:38.829		17.7	1.61	TAS	m_e
MOX	144.95	PKPbc	02:26:40.356	0.3	15.3	2.91	TAS	m_e
NEUB	144.39	PKPbc	02:26:38.763	0.2	15.3	2.91	TAS	m_e
NRDL	143.38	PKPbc	02:26:35.469	0.2	15.3	2.91	TAS	m_e
PLN	145.00	PKPdf	02:26:39.117		17.7	1.61	TAS	m_e
PLN	145.00	PKPbc	02:26:40.604	0.3	15.3	2.91	TAS	m_e
RETH	143.24	PKPbc	02:26:35.149	-0.2	15.3	2.91	TAS	m_e
RJOB	147.50	PKPbc	02:26:46.947		15.3	2.91	TAS	m_e
ROTZ	145.68	PKPbc	02:26:42.535	0.4	15.3	2.91	TAS	m_e
ROTZ	145.68	PKPab	02:26:45.460		17.1	3.85	TAS	m_e
RUE	142.80	PKPbc	02:26:33.306	-0.4	15.3	2.91	TAS	m_e
STU	147.15	PKPdf	02:26:42.691		17.7	1.61	TAS	m_e
STU	147.15	PKPbc	02:26:46.615	-0.5	15.3	2.91	TAS	m_e
STU	147.15	PKPab	02:26:50.802		17.1	3.85	TAS	m_e
TANN	145.02	PKPdf	02:26:39.037		17.7	1.61	TAS	m_e
TANN	145.02	PKPbc	02:26:40.704	0.4	15.3	2.91	TAS	m_e
TNS	145.82	PKPbc	02:26:43.143	-0.2	15.3	2.91	TAS	m_e
TNS	145.82	PKPab	02:26:45.744		17.1	3.85	TAS	m_e
UBR	148.07	PKPdf	02:26:43.714		17.7	1.61	TAS	m_e
UBR	148.07	PKPbc	02:26:48.513		15.3	2.91	TAS	m_e
WERD	145.01	PKPbc	02:26:40.672	0.5	15.3	2.91	TAS	m_e
WERN	145.15	PKPdf	02:26:39.378		17.7	1.61	TAS	m_e
WERN	145.15	PKPbc	02:26:41.235	-0.0	15.3	2.91	TAS	m_e
WERN	145.15	PKPab	02:26:43.062		17.1	3.85	TAS	m_e
WET	146.15	PKPdf	02:26:40.600		17.7	1.61	TAS	m_e
WET	146.15	PKPbc	02:26:43.679	0.0	15.3	2.91	TAS	m_e
WET	146.15	PKPab	02:26:47.069		17.1	3.85	TAS	m_e
WLF	146.59	PKPdf	02:26:42.300		17.7	1.61	TAS	m_e
WLF	146.59	PKPbc	02:26:45.707	-0.7	15.3	2.91	TAS	m_e

OrigID  
 2016/04/04 04:25:42.30 -16.7440 -172.1920 33.0 26 144.06 148.82 m i ke BGR  
 60404010

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.62		PKPbc	04:45:13.562	0.1	6.0		2.92		TAS					m_e
BFO	148.50		PKPbc	04:45:24.648		6.0		2.92		TAS					m_e
BRG	145.60		PKPbc	04:45:16.490	0.4	6.0		2.92		TAS					m_e
BUG	145.38		PKPbc	04:45:15.998	0.4	6.0		2.92		TAS					m_e
CLL	145.27		PKPbc	04:45:15.425	0.3	6.0		2.92		TAS					m_e
CLZ	144.93		PKPbc	04:45:14.163	0.1	6.0		2.92		TAS					m_e
FBE	145.62		PKPbc	04:45:16.987	0.2	6.0		2.92		TAS					m_e
FLT1	144.39		PKPbc	04:45:12.486	-0.2	6.0		2.92		TAS					m_e
GEC2	147.62		PKPbc	04:45:22.345		6.0		2.92		TAS					m_e
GRA1	147.02		PKPbc	04:45:20.945		6.0		2.92		TAS					m_e
GTTG	145.24		PKPbc	04:45:15.938	0.2	6.0		2.92		TAS					m_e
GUNZ	146.27		PKPbc	04:45:18.823	0.3	6.0		2.92		TAS					m_e
IBBN	144.52		PKPbc	04:45:13.651	-0.1	6.0		2.92		TAS					m_e
KAST	145.62		PKPbc	04:45:16.952	0.3	6.0		2.92		TAS					m_e
MANZ	146.66		PKPbc	04:45:19.944	-0.8	6.0		2.92		TAS					m_e
MOX	146.04		PKPbc	04:45:17.741	0.3	6.0		2.92		TAS					m_e
NEUB	145.49		PKPbc	04:45:16.321	0.2	6.0		2.92		TAS					m_e
NRDL	144.28		PKPbc	04:45:12.471	-0.2	6.0		2.92		TAS					m_e
PLN	146.16		PKPbc	04:45:18.378	0.2	6.0		2.92		TAS					m_e
RETH	144.06		PKPbc	04:45:11.856	-0.4	6.0		2.92		TAS					m_e
RJOB	148.82		PKPbc	04:45:25.236		6.0		2.92		TAS					m_e
ROTZ	146.87		PKPbc	04:45:20.502	-0.5	6.0		2.92		TAS					m_e
TANN	146.20		PKPbc	04:45:18.570	0.5	6.0		2.92		TAS					m_e
WERD	146.19		PKPbc	04:45:18.480	-0.2	6.0		2.92		TAS					m_e
WERN	146.34		PKPbc	04:45:19.186	0.2	6.0		2.92		TAS					m_e
WLF	147.14		PKPbc	04:45:21.867		6.0		2.92		TAS					m_e

Event 60404007 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/04	23:25:22.00			44.5400	138.0600				271.0			7		75.34	75.34	m i ke	EMSC

OrigID  
60404039

Magnitude Err Nsta Author  
mb 4.4 BGR

OrigID  
60404013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	75.34		P	23:36:36.193		36.3		4.56		TAS		3.8	1.00	m_e mb	4.4

## Event 60405002 Azores Islands, Portugal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/05	05:50:14.69			39.4730	-32.0240				10.0					32.05	32.05	m i ke	BGR
OrigID 60405008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60405008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	32.05		P	05:56:40.834		266.5		8.77		TAS		11.9	1.11	m_e mb	4.7

## Event 60405003 Azores Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/05	05:51:43.50			40.3850	-30.9150				33.0					30.84	30.84	m i ke	BGR
OrigID 60405009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60405009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	30.84		P	05:57:56.057		267.1		8.81		TAS		15.5	1.23	m_e mb	4.8

## Event 60405004 India-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/05	07:42:26.01			25.2460	90.0380				22.4	0.7		29		62.15	67.35	m i ke	BGR
OrigID 60405010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	60405010
Ms	4.1		BGR	60405010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	66.58		P	07:53:13.714		80.9		6.58		TAS		11.3	0.76	m_e mb	5.2
AHRW	66.58		pP	07:53:20.027		81.2		6.54		TAS				m_e	
BFO	66.23		pP	07:53:16.877		81.2		6.54		TAS				m_e	
BRG	62.22		P	07:52:44.956	0.3	80.9		6.58		TAS		9.3	0.86	m_e mb	5.0
BRG	62.22		pP	07:52:51.249	0.2	81.2		6.54		TAS				m_e	

BSEG	64.05	P	07:52:57.252	-0.7	80.9	6.58	TAS	17.2	0.99	m_e	mb	5.2
BSEG	64.05	pP	07:53:03.510	0.4	81.2	6.54	TAS			m_e		
BUG	66.29	P	07:53:11.484		80.9	6.58	TAS	10.2	1.01	m_e	mb	5.0
BUG	66.29	pP	07:53:17.919		81.2	6.54	TAS			m_e		
CLL	62.76	pP	07:52:54.440	0.0	81.2	6.54	TAS			m_e		
CLZ	64.31	P	07:52:58.079	0.1	80.9	6.58	TAS	15.4	1.11	m_e	mb	5.1
CLZ	64.31	pP	07:53:04.423	0.0	81.2	6.54	TAS			m_e		
FBE	62.59	P	07:52:47.787	0.2	80.9	6.58	TAS	19.9	1.11	m_e	mb	5.2
FBE	62.59	pP	07:52:53.887	-0.5	81.2	6.54	TAS			m_e		
FLT1	63.72	P	07:52:54.240	0.6	80.9	6.58	TAS	9.8	1.12	m_e	mb	4.9
FLT1	63.72	pP	07:53:00.408	0.5	81.2	6.54	TAS			m_e		
GEC2	62.63	P	07:52:47.952	0.1	80.9	6.58	TAS	21.6	1.31	m_e	mb	5.1
GEC2	62.63	pP	07:52:54.279	0.2	81.2	6.54	TAS			m_e		
GRA1	64.11	P	07:52:57.949	-0.3	80.9	6.58	TAS	7.5	1.02	m_e	mb	4.9
GRA1	64.11	pP	07:53:04.255	-0.3	81.2	6.54	TAS			m_e		
GRA1	64.11	L	08:23:13.501				T__	102.6	21.00	a_e	Ms	4.0
GUNZ	63.31	P	07:52:52.340	-0.2	80.9	6.58	TAS	13.6	0.98	m_e	mb	5.0
GUNZ	63.31	pP	07:52:58.621	-0.1	81.2	6.54	TAS			m_e		
IBBN	65.83	P	07:53:08.705		80.9	6.58	TAS	14.4	0.99	m_e	mb	5.2
IBBN	65.83	pP	07:53:14.906		81.2	6.54	TAS			m_e		
KAST	65.62	P	07:53:07.370		80.9	6.58	TAS	8.6	1.16	m_e	mb	4.9
KAST	65.62	pP	07:53:13.686		81.2	6.54	TAS			m_e		
MANZ	63.50	P	07:52:53.986	-0.5	80.9	6.58	TAS	2.9	1.44	m_e	mb	4.3
MANZ	63.50	pP	07:53:00.120	-0.0	81.2	6.54	TAS			m_e		
MOX	63.72	P	07:52:54.971	0.4	80.9	6.58	TAS	10.7	1.00	m_e	mb	5.0
MOX	63.72	pP	07:53:01.227	-0.6	81.2	6.54	TAS			m_e		
MOX	63.72	L	08:22:56.753				T__	157.6	20.80	a_e	Ms	4.2
NEUB	63.54	P	07:52:53.556	0.0	80.9	6.58	TAS	12.3	0.81	m_e	mb	5.2
NEUB	63.54	pP	07:52:59.832	0.5	81.2	6.54	TAS			m_e		
NRDL	64.38	P	07:52:59.568	-0.1	80.9	6.58	TAS	23.6	1.11	m_e	mb	5.3
NRDL	64.38	pP	07:53:05.822	0.0	81.2	6.54	TAS			m_e		
PLN	63.40	P	07:52:52.823	0.5	80.9	6.58	TAS	4.1	0.67	m_e	mb	4.7
PLN	63.40	pP	07:52:59.080	-0.2	81.2	6.54	TAS			m_e		
RETH	64.79	P	07:53:01.803	-0.2	80.9	6.58	TAS	11.0	1.37	m_e	mb	4.9
RETH	64.79	pP	07:53:08.072	0.1	81.2	6.54	TAS			m_e		
RJOB	63.39	P	07:52:52.523	0.5	80.9	6.58	TAS	5.1	1.19	m_e	mb	4.5
ROTZ	63.47	P	07:52:53.792	-0.2	80.9	6.58	TAS	4.0	1.19	m_e	mb	4.4
ROTZ	63.47	pP	07:53:00.123	-0.7	81.2	6.54	TAS			m_e		
RUE	62.15	P	07:52:43.730	-0.7	80.9	6.58	TAS	30.9	0.41	m_e	mb	5.9
TANN	63.22	P	07:52:51.566	0.1	80.9	6.58	TAS	6.2	1.08	m_e	mb	4.7
TANN	63.22	pP	07:52:57.956	0.1	81.2	6.54	TAS			m_e		
TNS	65.79	P	07:53:08.526		80.9	6.58	TAS	11.4	0.92	m_e	mb	5.1
TNS	65.79	pP	07:53:14.910		81.2	6.54	TAS			m_e		
UBBA	64.70	P	07:53:01.078	0.1	80.9	6.58	TAS	14.7	1.67	m_e	mb	4.9
UBR	65.19	P	07:53:04.083	-0.1	80.9	6.58	TAS	18.0	1.57	m_e	mb	5.1
UBR	65.19	pP	07:53:10.402	0.4	81.2	6.54	TAS			m_e		
WERD	63.31	P	07:52:52.213	-0.0	80.9	6.58	TAS	9.2	1.04	m_e	mb	4.8
WERD	63.31	pP	07:52:58.514	0.5	81.2	6.54	TAS			m_e		
WERN	63.29	P	07:52:52.383	-0.1	80.9	6.58	TAS	5.5	1.06	m_e	mb	4.6



MOX	72.54	P	09:45:02.351	0.1	22.8	5.91	TAS	6.3	0.74	m_e	mb	4.8
NRDL	71.20	P	09:44:54.316	-0.1	22.8	5.91	TAS	10.5	0.96	m_e	mb	4.9
PLN	72.55	P	09:45:02.542	0.3	22.8	5.91	TAS	7.8	0.74	m_e	mb	4.9
ROTZ	73.20	P	09:45:06.362		22.8	5.91	TAS	2.6	0.86	m_e	mb	4.4
TNS	73.70	P	09:45:09.407		22.8	5.91	TAS	16.5	0.71	m_e	mb	5.2
UBBA	72.78	P	09:45:03.628		22.8	5.91	TAS	5.1	0.72	m_e	mb	4.8
WERD	72.55	P	09:45:02.533	0.2	22.8	5.91	TAS	7.4	0.98	m_e	mb	4.8
WERN	72.68	P	09:45:03.532		22.8	5.91	TAS	14.0	0.79	m_e	mb	5.1
WET	73.59	P	09:45:09.007		22.8	5.91	TAS	14.7	0.64	m_e	mb	5.2

Event 60405007 Southeastern Uzbekistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/05	12:12:13.61			39.3140	65.8790				10.0			14		37.70	42.80	m i ke	BGR
OrigID 60405013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	60405013
Ms	4.3		BGR	60405013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	42.08		P	12:20:03.912		83.8		8.34		TAS		12.6	0.93	m_e	mb	4.6
BRG	37.70		P	12:19:27.606	0.1	83.8		8.34		TAS		13.3	0.91	m_e	mb	4.7
CLL	38.27		P	12:19:31.683	-0.1	83.8		8.34		TAS		9.8	0.84	m_e	mb	4.6
CLZ	39.87		P	12:19:45.577		83.8		8.34		TAS		11.5	1.35	m_e	mb	4.3
FBE	38.07		P	12:19:30.667	0.1	83.8		8.34		TAS		15.9	0.92	m_e	mb	4.7
FLT1	39.31		P	12:19:40.003		83.8		8.34		TAS		26.2	0.94	m_e	mb	4.8
GRA1	39.53		P	12:19:43.644		83.8		8.34		TAS		23.0	1.04	m_e	mb	4.7
GRA1	39.53		L	12:39:45.388						T__		340.2	21.40	a_e	Ms	4.2
MOX	39.19		L	12:39:03.220						T__		607.9	18.00	a_e	Ms	4.5
NEUB	39.05		P	12:19:38.593		83.8		8.34		TAS		26.6	1.43	m_e	mb	4.7
NRDL	39.99		P	12:19:46.413		83.8		8.34		TAS		13.4	0.97	m_e	mb	4.5
PLN	38.86		P	12:19:37.126	-0.1	83.8		8.34		TAS		5.7	0.93	m_e	mb	4.2
RETH	40.43		P	12:19:49.701		83.8		8.34		TAS		10.3	0.93	m_e	mb	4.4
ROTZ	38.89		P	12:19:37.710	-0.2	83.8		8.34		TAS		2.9	1.76	m_e	mb	3.6
UBR	40.53		P	12:19:50.779		83.8		8.34		TAS		22.2	1.20	m_e	mb	4.8
WLF	42.80		P	12:20:09.967		83.8		8.34		TAS		15.9	0.87	m_e	mb	4.8

Event 60405009 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/05	14:10:35.30			-4.3100	152.9100				60.0			28		121.91	126.78	m i ke	EMSC
OrigID 60405041																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	125.73		PKPdf	14:29:30.173		47.7		1.97		TAS					m_e	
BFO	126.72		PKPdf	14:29:31.624		47.7		1.97		TAS					m_e	
BRG	122.30		PKPdf	14:29:23.652	0.3	47.7		1.97		TAS					m_e	
BSEG	121.91		PKPdf	14:29:22.922	-0.2	47.7		1.97		TAS					m_e	
BUG	124.99		PKPdf	14:29:28.619		47.7		1.97		TAS					m_e	
CLL	122.48		PKPdf	14:29:23.736	-0.1	47.7		1.97		TAS					m_e	
CLZ	123.34		PKPdf	14:29:25.976	-0.2	47.7		1.97		TAS					m_e	
FBE	122.56		PKPdf	14:29:24.362	0.2	47.7		1.97		TAS					m_e	
FLT1	122.62		PKPdf	14:29:24.091	0.1	47.7		1.97		TAS					m_e	
FUR	125.38		PKPdf	14:29:30.671		47.7		1.97		TAS					m_e	
GRA1	124.40		PKPdf	14:29:27.420	-0.3	47.7		1.97		TAS					m_e	
GUNZ	123.42		PKPdf	14:29:25.892	-0.2	47.7		1.97		TAS					m_e	
IBBN	124.15		PKPdf	14:29:27.213	-0.2	47.7		1.97		TAS					m_e	
KAST	124.66		PKPdf	14:29:28.179	-0.7	47.7		1.97		TAS					m_e	
MANZ	123.77		PKPdf	14:29:26.615	-0.3	47.7		1.97		TAS					m_e	
MOX	123.58		PKPdf	14:29:25.921	-0.3	47.7		1.97		TAS					m_e	
NRDL	123.01		PKPdf	14:29:25.187	0.3	47.7		1.97		TAS					m_e	
PLN	123.42		PKPdf	14:29:25.617	-0.1	47.7		1.97		TAS					m_e	
RETH	123.16		PKPdf	14:29:25.366	-0.2	47.7		1.97		TAS					m_e	
ROTZ	123.86		PKPdf	14:29:26.522	0.1	47.7		1.97		TAS					m_e	
STU	126.00		PKPdf	14:29:31.122		47.7		1.97		TAS					m_e	
TANN	123.32		PKPdf	14:29:25.456	0.1	47.7		1.97		TAS					m_e	
TNS	125.34		PKPdf	14:29:29.639		47.7		1.97		TAS					m_e	
UBR	126.28		PKPdf	14:29:31.191		47.7		1.97		TAS					m_e	
WERD	123.37		PKPdf	14:29:25.455	0.1	47.7		1.97		TAS					m_e	
WERN	123.44		PKPdf	14:29:25.919	-0.1	47.7		1.97		TAS					m_e	
WET	123.93		PKPdf	14:29:26.732	1.0	47.7		1.97		TAS					m_e	
WLF	126.78		PKPdf	14:29:32.951		47.7		1.97		TAS					m_e	

Event 60405011 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2016/04/05	23:26:55.06			-21.0750	-177.0550				33.0			9		146.72	152.47	m i ke	BGR
60405017																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	152.47		PKPab	23:47:00.466		15.4		4.32		TAS					m_e	
BRG	149.03		PKPbc	23:46:39.453	0.0	15.9		2.50		TAS					m_e	
BRG	149.03		PKPab	23:46:45.619		15.4		4.32		TAS					m_e	
BSEG	146.72		PKPbc	23:46:33.819	0.0	15.9		2.50		TAS					m_e	



CLL	148.81	PKPbc	23:46:38.826	0.0	15.9	2.50	TAS	m_e
CLL	148.81	PKPab	23:46:44.600		15.4	4.32	TAS	m_e
CLZ	148.75	PKPbc	23:46:39.238	-0.1	15.9	2.50	TAS	m_e
FBE	149.11	PKPbc	23:46:39.968	0.1	15.9	2.50	TAS	m_e
FBE	149.11	PKPab	23:46:46.208		15.4	4.32	TAS	m_e
FLT1	148.15	PKPbc	23:46:37.000	-0.2	15.9	2.50	TAS	m_e
FLT1	148.15	PKPab	23:46:41.862	0.2	15.4	4.32	TAS	m_e
GRA1	150.70	PKPab	23:46:53.200		15.4	4.32	TAS	m_e
GUNZ	149.85	PKPbc	23:46:41.719		15.9	2.50	TAS	m_e
GUNZ	149.85	PKPab	23:46:49.401		15.4	4.32	TAS	m_e
KAST	149.63	PKPbc	23:46:41.297		15.9	2.50	TAS	m_e
MANZ	150.25	PKPbc	23:46:42.529		15.9	2.50	TAS	m_e
NRDL	148.15	PKPbc	23:46:37.459	-0.1	15.9	2.50	TAS	m_e
PLN	149.76	PKPbc	23:46:41.304		15.9	2.50	TAS	m_e
RETH	148.01	PKPbc	23:46:37.099	0.4	15.9	2.50	TAS	m_e
RJOB	152.24	PKPab	23:46:59.726		15.4	4.32	TAS	m_e
TANN	149.77	PKPbc	23:46:41.391		15.9	2.50	TAS	m_e
TNS	150.59	PKPbc	23:46:43.586		15.9	2.50	TAS	m_e
WERD	149.77	PKPbc	23:46:41.424		15.9	2.50	TAS	m_e
WERN	149.91	PKPab	23:46:49.784		15.4	4.32	TAS	m_e
WLF	151.36	PKPbc	23:46:45.576		15.9	2.50	TAS	m_e
WLF	151.36	PKPab	23:46:56.718		15.4	4.32	TAS	m_e

Event 60406001 Western Kalaallit Nunaat

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	01:34:37.88			69.4160	-47.6490				10.0			31		30.09	36.11	m i k e	BGR
60406007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	60406007
Ms	3.7		BGR	60406007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	31.73		P	01:41:00.220	0.0	327.2		8.68		TAS		37.7	1.37	m_e	mb 5.1
ASSE	31.68		P	01:41:00.169	-0.7	327.2		8.68		TAS		15.7	1.12	m_e	mb 4.8
BFO	34.04		P	01:41:20.257	-0.2	327.2		8.68		TAS		13.6	1.35	m_e	mb 4.7
BRG	33.87		P	01:41:18.897	0.1	327.2		8.68		TAS		12.2	1.03	m_e	mb 4.8
BSEG	30.09		P	01:40:46.188	-0.1	327.2		8.68		TAS		18.1	0.89	m_e	mb 4.9
BUG	31.05		P	01:40:54.220	-0.0	327.2		8.68		TAS		32.5	1.11	m_e	mb 5.2
CLL	33.18		P	01:41:12.929	-0.3	327.2		8.68		TAS		26.5	1.07	m_e	mb 5.1
CLZ	31.81		P	01:41:01.383	0.5	327.2		8.68		TAS		37.0	1.48	m_e	mb 5.1
FBE	33.63		P	01:41:17.069	-0.0	327.2		8.68		TAS		38.5	1.01	m_e	mb 5.3
FLT1	31.71		P	01:40:59.605	0.3	327.2		8.68		TAS		13.6	0.94	m_e	mb 4.9
GRA1	33.90		P	01:41:19.745	-0.2	327.2		8.68		TAS		35.2	1.05	m_e	mb 5.2
GRA1	33.90		L	01:55:31.968						T__		130.8	21.60	a_e	Ms 3.6

GTTG	31.91	P	01:41:02.597	0.0	327.2	8.68	TAS	20.0	1.20	m_e	mb	4.9
GUNZ	33.73	P	01:41:17.866	0.2	327.2	8.68	TAS	18.2	1.09	m_e	mb	4.9
IBBN	30.51	P	01:40:50.023	-0.1	327.2	8.68	TAS	26.3	0.86	m_e	mb	5.2
KAST	31.65	P	01:40:59.953	-0.2	327.2	8.68	TAS	19.5	1.08	m_e	mb	5.0
MANZ	33.97	P	01:41:19.692	0.4	327.2	8.68	TAS	5.6	1.55	m_e	mb	4.3
MOX	33.24	P	01:41:13.579	-0.1	327.2	8.68	TAS	21.1	1.02	m_e	mb	5.0
MOX	33.24	L	01:56:18.439				T__	157.0	20.30	a_e	Ms	3.7
NRDL	31.18	P	01:40:55.834	0.0	327.2	8.68	TAS	12.3	0.95	m_e	mb	4.8
PLN	33.56	P	01:41:16.388	-0.2	327.2	8.68	TAS	22.1	1.01	m_e	mb	5.0
RETH	30.72	P	01:40:51.730	0.0	327.2	8.68	TAS	28.6	1.01	m_e	mb	5.2
RJOB	36.11	P	01:41:38.516		327.2	8.68	TAS	15.5	1.00	m_e	mb	4.8
ROTZ	34.18	P	01:41:21.770		327.2	8.68	TAS	5.3	1.22	m_e	mb	4.3
RUE	32.49	P	01:41:07.341	-0.2	327.2	8.68	TAS	53.6	1.21	m_e	mb	5.3
STU	33.96	P	01:41:20.137	-0.1	327.2	8.68	TAS	104.8	1.11	m_e	mb	5.7
TANN	33.73	P	01:41:17.792	0.3	327.2	8.68	TAS	15.5	1.14	m_e	mb	4.8
TNS	32.48	P	01:41:07.106	0.0	327.2	8.68	TAS	25.2	1.11	m_e	mb	5.1
UBR	35.21	P	01:41:31.051		327.2	8.68	TAS	26.4	0.95	m_e	mb	5.1
WERD	33.65	P	01:41:16.987	0.1	327.2	8.68	TAS	21.9	1.17	m_e	mb	5.0
WERN	33.81	P	01:41:18.628	-0.4	327.2	8.68	TAS	22.6	1.08	m_e	mb	5.0
WET	34.95	P	01:41:28.518		327.2	8.68	TAS	12.2	1.18	m_e	mb	4.7
WLF	32.14	P	01:41:03.974	1.0	327.2	8.68	TAS	10.6	1.04	m_e	mb	4.7

Event 60406005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	06:54:52.50			-14.2000	166.7900				30.0			17		137.34	141.25	m i ke	EMSC
OrigID 60406037																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	137.34		PKPdf	07:14:12.348	-0.4	32.7		2.09		TAS				m_e	
CLL	137.38		PKPdf	07:14:12.096	-0.5	32.7		2.09		TAS				m_e	
CLZ	137.96		PKPdf	07:14:13.947	-0.2	32.7		2.09		TAS				m_e	
FBE	137.54		PKPdf	07:14:12.840	-0.0	32.7		2.09		TAS				m_e	
GRA1	139.36		PKPdf	07:14:17.995		32.7		2.09		TAS				m_e	
GRA1	139.36		PP	07:17:11.507		38.5		5.49		TAS				m_e	
GRA1	139.36		SKPbc	07:17:53.200	-0.3	50.8		2.37		TAS				m_e	
GUNZ	138.39		PKPdf	07:14:15.078		32.7		2.09		TAS				m_e	
KAST	139.17		PKPdf	07:14:15.749		32.7		2.09		TAS				m_e	
NRDL	137.51		PKPdf	07:14:12.816	0.4	32.7		2.09		TAS				m_e	
RJOB	140.19		PKPdf	07:14:18.970		32.7		2.09		TAS				m_e	
ROTZ	138.90		PKPdf	07:14:16.441		32.7		2.09		TAS				m_e	
TANN	138.29		PKPdf	07:14:14.100	1.4	32.7		2.09		TAS				m_e	
TNS	139.98		PKPdf	07:14:17.128		32.7		2.09		TAS				m_e	
UBBA	138.92		PKPdf	07:14:15.326		32.7		2.09		TAS				m_e	

WERD	138.33	PKPdf	07:14:14.058	-0.5	32.7		2.09	TAS									m_e
WERN	138.43	PKPdf	07:14:14.739		32.7		2.09	TAS									m_e
WET	139.10	PKPdf	07:14:15.700		32.7		2.09	TAS									m_e
WLF	141.25	PKPdf	07:14:20.040		32.7		2.09	TAS									m_e

Event 60406006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	06:58:49.20			-14.1100	166.7300				30.0					138.34	139.25	m i ke	EMSC
OrigID 60406038																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.8		BGR	60406012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	139.25		PKPdf	07:18:09.472		38.0		1.56		TAS					m_e
GRA1	139.25		PP	07:21:07.113		42.1		5.97		TAS					m_e
GRA1	139.25		SKPbc	07:21:53.618						T__					m_e
GRA1	139.25		SKKP	07:30:32.924		209.0		4.70		TAS					m_e
GRA1	139.25		L	08:21:32.777						T__		18567.7	20.40	a_e Ms	6.8
MOX	138.34		L	08:21:35.537						T__		19365.8	20.90	a_e Ms	6.8

Event 60406007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	07:57:37.60			-14.2200	166.7000				40.0				20	137.32	141.23	m i ke	EMSC
OrigID 60406039																	

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	137.60		PKPdf	08:16:57.655	-0.2	38.1		1.78		TAS					m_e
BRG	137.32		PKPdf	08:16:57.223	-0.1	38.1		1.78		TAS					m_e
FBE	137.52		PKPdf	08:16:57.867	0.3	38.1		1.78		TAS					m_e
GRA1	139.34		PKPdf	08:17:00.858		38.1		1.78		TAS					m_e
GRA1	139.34		PP	08:19:54.928		38.1		5.68		TAS					m_e
GRA1	139.34		SKPbc	08:20:37.229		47.3		2.17		TAS					m_e
GTTG	138.33		PKPdf	08:16:59.205	-0.0	38.1		1.78		TAS					m_e
GUNZ	138.37		PKPdf	08:16:59.453	-0.0	38.1		1.78		TAS					m_e
IBBN	138.45		PKPdf	08:16:59.057		38.1		1.78		TAS					m_e
KAST	139.16		PKPdf	08:17:00.642		38.1		1.78		TAS					m_e
MANZ	138.75		PKPdf	08:16:59.850		38.1		1.78		TAS					m_e
MOX	138.43		PKPdf	08:16:59.106	0.3	38.1		1.78		TAS					m_e

NRDL	137.50	PKPdf	08:16:57.520	0.1	38.1	1.78	TAS	m_e
PLN	138.34	PKPdf	08:16:59.205	0.0	38.1	1.78	TAS	m_e
RJOB	140.17	PKPdf	08:17:01.931		38.1	1.78	TAS	m_e
ROTZ	138.88	PKPdf	08:17:00.097		38.1	1.78	TAS	m_e
TANN	138.28	PKPdf	08:16:59.156	0.0	38.1	1.78	TAS	m_e
UBBA	138.91	PKPdf	08:17:00.147		38.1	1.78	TAS	m_e
WERD	138.31	PKPdf	08:16:58.958	0.0	38.1	1.78	TAS	m_e
WERN	138.41	PKPdf	08:16:59.602	-0.5	38.1	1.78	TAS	m_e
WET	139.08	PKPdf	08:17:00.444		38.1	1.78	TAS	m_e
WLF	141.23	PKPdf	08:17:04.656		38.1	1.78	TAS	m_e

Event 60406008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	10:27:12.90			-17.3690	-174.4100				257.3			33		143.32	149.54	m i ke	BGR
60406014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.89		PKPab	10:46:26.644		10.1		4.13		TAS					m_e
ASSE	145.09		PKPbc	10:46:18.662	0.5	10.0		2.81		TAS					m_e
BFO	149.04		PKPbc	10:46:29.455		10.0		2.81		TAS					m_e
BFO	149.04		PKPab	10:46:35.301		10.1		4.13		TAS					m_e
BRG	145.91		PKPbc	10:46:21.066	0.5	10.0		2.81		TAS					m_e
BSEG	143.32		PKPbc	10:46:12.604	0.0	10.0		2.81		TAS					m_e
BUG	145.98		PKPbc	10:46:21.453	0.1	10.0		2.81		TAS					m_e
CLL	145.63		PKPbc	10:46:20.187	0.0	10.0		2.81		TAS					m_e
CLZ	145.40		PKPbc	10:46:20.001	0.2	10.0		2.81		TAS					m_e
FBE	145.96		PKPbc	10:46:21.590	0.0	10.0		2.81		TAS					m_e
FLT1	144.83		PKPbc	10:46:17.590	-0.0	10.0		2.81		TAS					m_e
FUR	148.94		PKPbc	10:46:29.297		10.0		2.81		TAS					m_e
FUR	148.94		PKPab	10:46:35.178		10.1		4.13		TAS					m_e
GEC2	147.92		PKPbc	10:46:26.530	-0.4	10.0		2.81		TAS					m_e
GEC2	147.92		PKPab	10:46:30.504		10.1		4.13		TAS					m_e
GRA1	147.44		PKPbc	10:46:25.440	0.1	10.0		2.81		TAS					m_e
GRA1	147.44		PKPab	10:46:29.020		10.1		4.13		TAS					m_e
GRA1	147.44		pPKPbc	10:47:29.952						T__					m_e
GTTG	145.72		PKPbc	10:46:20.610	0.2	10.0		2.81		TAS					m_e
GUNZ	146.64		PKPbc	10:46:23.402	0.2	10.0		2.81		TAS					m_e
GUNZ	146.64		PKPab	10:46:25.470		10.1		4.13		TAS					m_e
IBBN	145.10		PKPbc	10:46:18.837	0.0	10.0		2.81		TAS					m_e
KAST	146.17		PKPbc	10:46:21.835	-0.0	10.0		2.81		TAS					m_e
MANZ	147.04		PKPbc	10:46:24.381	0.2	10.0		2.81		TAS					m_e
MANZ	147.04		PKPab	10:46:26.969		10.1		4.13		TAS					m_e
MOX	146.45		PKPbc	10:46:22.577	0.2	10.0		2.81		TAS					m_e

MOX	146.45	PKPab	10:46:24.495		10.1	4.13	TAS	m_e
NEUB	145.90	PKPbc	10:46:21.086	0.0	10.0	2.81	TAS	m_e
NRDL	144.77	PKPbc	10:46:17.649	0.0	10.0	2.81	TAS	m_e
PLN	146.54	PKPbc	10:46:22.945	0.3	10.0	2.81	TAS	m_e
PLN	146.54	PKPab	10:46:24.964		10.1	4.13	TAS	m_e
RETH	144.58	PKPbc	10:46:17.301	-0.3	10.0	2.81	TAS	m_e
RJOB	149.14	PKPbc	10:46:29.327		10.0	2.81	TAS	m_e
RJOB	149.14	PKPab	10:46:35.809		10.1	4.13	TAS	m_e
ROTZ	147.24	PKPbc	10:46:24.938	0.5	10.0	2.81	TAS	m_e
ROTZ	147.24	PKPab	10:46:27.958		10.1	4.13	TAS	m_e
RUE	144.38	PKPbc	10:46:16.134	-0.1	10.0	2.81	TAS	m_e
STU	148.54	PKPbc	10:46:28.477	-0.7	10.0	2.81	TAS	m_e
TANN	146.57	PKPbc	10:46:23.121	0.5	10.0	2.81	TAS	m_e
TNS	147.15	PKPbc	10:46:24.631	-0.2	10.0	2.81	TAS	m_e
TNS	147.15	PKPab	10:46:27.670		10.1	4.13	TAS	m_e
UBBA	146.44	PKPbc	10:46:22.437	0.1	10.0	2.81	TAS	m_e
UBR	149.54	PKPbc	10:46:30.491		10.0	2.81	TAS	m_e
WERD	146.56	PKPbc	10:46:22.919	0.4	10.0	2.81	TAS	m_e
WERD	146.56	PKPab	10:46:25.102		10.1	4.13	TAS	m_e
WERN	146.71	PKPbc	10:46:23.659	0.1	10.0	2.81	TAS	m_e
WERN	146.71	PKPab	10:46:25.985		10.1	4.13	TAS	m_e
WET	147.76	PKPab	10:46:30.048		10.1	4.13	TAS	m_e
WLF	147.78	PKPbc	10:46:27.072	-0.8	10.0	2.81	TAS	m_e
WLF	147.78	PKPab	10:46:30.868		10.1	4.13	TAS	m_e

Event 60406011 Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	14:45:30.20			-8.2000	107.4200				35.0				9	98.49	101.00	m i ke	NEIC
60406050																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	60406017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	98.49		Pdiff	14:59:05.827	0.1	90.8		4.54		TAS					m_e
BRG	98.49		pPdiff	14:59:19.874	0.2	88.2		4.56		TAS					m_e
CLL	99.10		Pdiff	14:59:08.202	-0.3	90.8		4.54		TAS					m_e
CLL	99.10		pPdiff	14:59:21.741	0.2	88.2		4.56		TAS					m_e
FBE	98.87		Pdiff	14:59:07.751	0.3	90.8		4.54		TAS					m_e
FBE	98.87		pPdiff	14:59:21.722	-0.6	88.2		4.56		TAS					m_e
GEC2	98.56		Pdiff	14:59:06.061	0.1	90.8		4.54		TAS					m_e
GEC2	98.56		pPdiff	14:59:20.098	-0.2	88.2		4.56		TAS					m_e
GRA1	100.20		Pdiff	14:59:13.865		90.8		4.54		TAS					m_e
GRA1	100.20		PP	15:03:17.690		96.2		7.25		TAS					m_e
GRA1	100.20		L	15:52:02.574						T__		1542.9	21.50	a_e Ms	5.5

GTTG	101.00	Pdiff	14:59:17.207		90.8	4.54	TAS											m_e
MANZ	99.63	Pdiff	14:59:10.930	0.4	90.8	4.54	TAS											m_e
MANZ	99.63	pPdiff	14:59:25.205		88.2	4.56	TAS											m_e
MOX	99.96	Pdiff	14:59:12.099		90.8	4.54	TAS											m_e
MOX	99.96	L	15:53:54.324				T__				1191.9	21.40	a_e	Ms			5.4	
NEUB	99.87	Pdiff	14:59:11.859		90.8	4.54	TAS											m_e
RJOB	99.11	Pdiff	14:59:08.021	-0.5	90.8	4.54	TAS											m_e
ROTZ	99.57	Pdiff	14:59:10.832	0.0	90.8	4.54	TAS											m_e
ROTZ	99.57	pPdiff	14:59:24.905		88.2	4.56	TAS											m_e
RUE	98.66	Pdiff	14:59:06.498	-0.1	90.8	4.54	TAS											m_e
TANN	99.42	Pdiff	14:59:09.920	-0.0	90.8	4.54	TAS											m_e
TANN	99.42	pPdiff	14:59:23.728	0.0	88.2	4.56	TAS											m_e
WERD	99.52	Pdiff	14:59:10.335	-0.2	90.8	4.54	TAS											m_e
WERD	99.52	pPdiff	14:59:24.392		88.2	4.56	TAS											m_e
WET	99.11	Pdiff	14:59:08.904	0.4	90.8	4.54	TAS											m_e
WET	99.11	pPdiff	14:59:22.692	-0.2	88.2	4.56	TAS											m_e

Event 60406013 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/06	20:35:15.60			-6.0300	130.4500				130.4			16		110.83	114.81	m i ke	NEIC
60406052																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	111.22		PKPdf	20:53:33.794	-0.3	73.5		1.86		TAS					m_e
CLL	111.65		PKPdf	20:53:34.416	-0.0	73.5		1.86		TAS					m_e
CLZ	113.02		PKPdf	20:53:37.561		73.5		1.86		TAS					m_e
FLT1	112.35		PKPdf	20:53:35.858	0.0	73.5		1.86		TAS					m_e
FUR	113.71		PKPdf	20:53:38.446		73.5		1.86		TAS					m_e
GEC2	111.97		PKPdf	20:53:35.122	-0.3	73.5		1.86		TAS					m_e
GRA1	113.25		PKPdf	20:53:37.278		73.5		1.86		TAS					m_e
GRA1	113.25		PP	20:54:30.830		70.8		6.89		TAS					m_e
GUNZ	112.36		PKPdf	20:53:35.944	0.2	73.5		1.86		TAS					m_e
MANZ	112.61		PKPdf	20:53:36.389	0.0	73.5		1.86		TAS					m_e
RJOB	112.87		PKPdf	20:53:36.410		73.5		1.86		TAS					m_e
RUE	110.83		PKPdf	20:53:33.478	-0.0	73.5		1.86		TAS					m_e
STU	114.81		PKPdf	20:53:40.454		73.5		1.86		TAS					m_e
TANN	112.26		PKPdf	20:53:35.716	0.1	73.5		1.86		TAS					m_e
UBR	114.61		PKPdf	20:53:39.977		73.5		1.86		TAS					m_e
WERN	112.35		PKPdf	20:53:35.979	-0.3	73.5		1.86		TAS					m_e
WET	112.39		PKPdf	20:53:36.098	-0.3	73.5		1.86		TAS					m_e

Event 60407001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/07	03:32:53.80			-13.9900	166.5700				27.0				10	135.98	141.31	m i ke	NEIC
OrigID 60407040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.8		BGR	60407007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	139.92		PP	03:55:15.455		37.8		6.01		TAS					m_e	
ASSE	137.34		PP	03:54:59.377	-0.0	37.8		6.01		TAS					m_e	
BFO	141.31		SKPbc	03:55:56.877		33.3		2.70		TAS					m_e	
BRG	137.06		SKPbc	03:55:45.824	0.3	33.3		2.70		TAS					m_e	
BSEG	135.98		SKPbc	03:55:42.497	-0.3	33.3		2.70		TAS					m_e	
CLL	137.11		SKPbc	03:55:45.791	0.1	33.3		2.70		TAS					m_e	
CLZ	137.68		PP	03:55:02.400	0.1	37.8		6.01		TAS					m_e	
FBE	137.26		SKPbc	03:55:46.767	-0.2	33.3		2.70		TAS					m_e	
FLT1	136.97		PP	03:54:57.068	0.8	37.8		6.01		TAS					m_e	
GEC2	138.68		PP	03:55:07.679		37.8		6.01		TAS					m_e	
GEC2	138.68		SKPbc	03:55:50.633		33.3		2.70		TAS					m_e	
GRA1	139.08		PKPdf	03:52:09.022		42.8		1.44		TAS					m_e	
GRA1	139.08		PP	03:55:09.925		37.8		6.01		TAS					m_e	
GRA1	139.08		SKPbc	03:55:52.209		33.3		2.70		TAS					m_e	
GRA1	139.08		SKKPab	04:04:35.935		208.5		4.79		TAS					m_e	
GRA1	139.08		L	04:55:33.833						T__		19612.0	20.30	a_e	Ms	6.8
KAST	138.90		PP	03:55:09.203		37.8		6.01		TAS					m_e	
MANZ	138.49		PP	03:55:06.457		37.8		6.01		TAS					m_e	
MOX	138.17		SKPbc	03:55:48.983		33.3		2.70		TAS					m_e	
MOX	138.17		L	04:55:46.437						T__		15611.1	20.70	a_e	Ms	6.7
NEUB	137.68		PP	03:55:01.787	-0.1	37.8		6.01		TAS					m_e	
NEUB	137.68		SKPbc	03:55:47.813		33.3		2.70		TAS					m_e	
NRDL	137.24		PP	03:54:59.059	0.1	37.8		6.01		TAS					m_e	
RETH	137.30		PP	03:54:59.200	-0.1	37.8		6.01		TAS					m_e	
RJOB	139.91		PP	03:55:15.307		37.8		6.01		TAS					m_e	
ROTZ	138.62		PP	03:55:07.147		37.8		6.01		TAS					m_e	
TANN	138.02		PP	03:55:03.380	0.0	37.8		6.01		TAS					m_e	
TNS	139.71		PP	03:55:14.053		37.8		6.01		TAS					m_e	
UBBA	138.65		PP	03:55:07.315		37.8		6.01		TAS					m_e	
WERD	138.05		PP	03:55:03.582	0.1	37.8		6.01		TAS					m_e	
WERD	138.05		SKPbc	03:55:48.863		33.3		2.70		TAS					m_e	
WLF	140.98		PP	03:55:21.285		37.8		6.01		TAS					m_e	

Event 60407007 Trinidad

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2016/04/07 12:22:29.41 10.7520 -61.4950 109.3 0.8 33 67.44 72.58 m i ke BGR  
 60407013

Magnitude Err Nsta Author OrigID  
 mb 5.4 BGR 60407013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.17	P		12:33:18.056	0.2	263.8		6.07		TAS		87.9	1.40	m_e mb	5.8
ASSE	70.64	P		12:33:33.026	-0.4	263.8		6.07		TAS		33.7	1.03	m_e mb	5.4
BFO	68.64	P		12:33:20.233	-0.4	263.8		6.07		TAS		12.3	1.15	m_e mb	5.0
BRG	72.55	P		12:33:44.259		263.8		6.07		TAS		28.8	1.08	m_e mb	5.3
BRG	72.55	pP		12:34:11.684		264.3		6.04		TAS				m_e	
BSEG	70.68	P		12:33:32.609	-0.3	263.8		6.07		TAS		71.2	1.14	m_e mb	5.7
BSEG	70.68	pP		12:33:59.913	0.2	264.3		6.04		TAS				m_e	
BUG	68.45	P		12:33:19.139	-0.3	263.8		6.07		TAS		64.3	1.30	m_e mb	5.7
CLL	71.99	P		12:33:40.762	-0.1	263.8		6.07		TAS		34.1	1.13	m_e mb	5.4
CLL	71.99	pP		12:34:08.206		264.3		6.04		TAS				m_e	
CLZ	70.42	P		12:33:31.604	-0.1	263.8		6.07		TAS		45.2	1.11	m_e mb	5.5
CLZ	70.42	pP		12:33:58.897	0.1	264.3		6.04		TAS				m_e	
FBE	72.18	P		12:33:42.265	-0.1	263.8		6.07		TAS		48.1	1.46	m_e mb	5.4
FBE	72.18	pP		12:34:09.643		264.3		6.04		TAS				m_e	
FLT1	71.01	P		12:33:34.597	0.2	263.8		6.07		TAS		40.5	1.12	m_e mb	5.5
FLT1	71.01	pP		12:34:01.900	0.1	264.3		6.04		TAS				m_e	
GEC2	72.24	P		12:33:42.466		263.8		6.07		TAS		53.4	1.15	m_e mb	5.6
GEC2	72.24	pP		12:34:10.014		264.3		6.04		TAS				m_e	
GRA1	70.70	P		12:33:33.224	-0.1	263.8		6.07		TAS		26.3	0.96	m_e mb	5.3
GRA1	70.70	pP		12:34:00.412	0.0	264.3		6.04		TAS				m_e	
GTTG	70.13	P		12:33:29.790	0.2	263.8		6.07		TAS		32.8	0.93	m_e mb	5.4
GTTG	70.13	pP		12:33:57.084	0.2	264.3		6.04		TAS				m_e	
GUNZ	71.48	P		12:33:37.909	0.0	263.8		6.07		TAS		15.7	1.08	m_e mb	5.1
IBBN	68.90	P		12:33:22.088	0.0	263.8		6.07		TAS		95.3	0.94	m_e mb	6.0
IBBN	68.90	pP		12:33:49.380	0.1	264.3		6.04		TAS				m_e	
KAST	69.12	P		12:33:23.194	-0.3	263.8		6.07		TAS		33.4	1.32	m_e mb	5.4
MANZ	71.30	P		12:33:37.071	-0.2	263.8		6.07		TAS		7.6	1.03	m_e mb	4.8
MANZ	71.30	pP		12:34:04.505		264.3		6.04		TAS				m_e	
MOX	71.05	P		12:33:34.981	0.1	263.8		6.07		TAS		10.2	0.93	m_e mb	4.9
MOX	71.05	pP		12:34:02.367	-0.0	264.3		6.04		TAS				m_e	
NEUB	71.21	P		12:33:36.170	-0.1	263.8		6.07		TAS		29.7	0.91	m_e mb	5.4
NEUB	71.21	pP		12:34:03.528		264.3		6.04		TAS				m_e	
NRDL	70.35	P		12:33:31.271	0.3	263.8		6.07		TAS		56.6	1.12	m_e mb	5.6
NRDL	70.35	pP		12:33:58.503	-0.1	264.3		6.04		TAS				m_e	
PLN	71.38	P		12:33:37.223	0.1	263.8		6.07		TAS		26.6	1.30	m_e mb	5.2
PLN	71.38	pP		12:34:04.518		264.3		6.04		TAS				m_e	
RETH	69.93	P		12:33:28.602	0.1	263.8		6.07		TAS		76.4	1.48	m_e mb	5.6
RGN	72.51	pP		12:34:10.968		264.3		6.04		TAS				m_e	
RJOB	71.56	P		12:33:38.401	-0.2	263.8		6.07		TAS		29.3	0.96	m_e mb	5.4
RJOB	71.56	pP		12:34:05.786		264.3		6.04		TAS				m_e	
ROTZ	71.34	P		12:33:37.134	0.0	263.8		6.07		TAS		5.9	1.26	m_e mb	4.6



RUE	72.58	P	12:33:44.380	263.8	6.07	TAS	62.1	0.70	m_e	mb	5.8
STU	69.27	P	12:33:24.459	-0.0 263.8	6.07	TAS	132.8	0.99	m_e	mb	6.1
TANN	71.57	P	12:33:38.432	0.1 263.8	6.07	TAS	33.6	1.22	m_e	mb	5.3
TANN	71.57	pP	12:34:05.916	264.3	6.04	TAS			m_e		
TNS	68.99	P	12:33:22.978	0.2 263.8	6.07	TAS	51.9	0.86	m_e	mb	5.8
TNS	68.99	pP	12:33:50.297	-0.0 264.3	6.04	TAS			m_e		
UBR	69.74	P	12:33:27.657	0.3 263.8	6.07	TAS	40.7	1.53	m_e	mb	5.3
WERD	71.47	P	12:33:37.648	0.1 263.8	6.07	TAS	23.5	1.09	m_e	mb	5.2
WERN	71.50	P	12:33:38.157	-0.1 263.8	6.07	TAS	26.8	1.11	m_e	mb	5.3
WERN	71.50	pP	12:34:05.663	264.3	6.04	TAS			m_e		
WET	71.72	P	12:33:39.333	-0.1 263.8	6.07	TAS	29.9	1.30	m_e	mb	5.3
WET	71.72	pP	12:34:06.853	264.3	6.04	TAS			m_e		
WLF	67.44	P	12:33:13.281	-0.1 263.8	6.07	TAS	42.5	0.92	m_e	mb	5.7

Event 60407009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/07	13:39:51.95			-16.6440	-178.6610				33.0			19		142.13	148.22	m i ke	BGR
	60407015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.87		PKPbc	13:59:27.238	0.3	16.9		2.42		TAS					m_e
ASSE	143.83		PKPbc	13:59:21.982	0.3	16.9		2.42		TAS					m_e
BFO	147.88		PKPbc	13:59:31.585		16.9		2.42		TAS					m_e
BFO	147.88		PKPab	13:59:42.845		17.1		4.24		TAS					m_e
BRG	144.39		PKPbc	13:59:23.519	0.2	16.9		2.42		TAS					m_e
BRG	144.39		PKPab	13:59:28.282	-0.2	17.1		4.24		TAS					m_e
BSEG	142.13		PKPbc	13:59:17.529	-0.4	16.9		2.42		TAS					m_e
BUG	144.96		PKPbc	13:59:24.845	0.1	16.9		2.42		TAS					m_e
BUG	144.96		PKPab	13:59:31.926	-0.2	17.1		4.24		TAS					m_e
CLL	144.18		PKPbc	13:59:22.884	0.4	16.9		2.42		TAS					m_e
CLL	144.18		PKPab	13:59:27.270	0.0	17.1		4.24		TAS					m_e
CLZ	144.16		PKPbc	13:59:23.157	0.0	16.9		2.42		TAS					m_e
FBE	144.47		PKPbc	13:59:24.038	0.1	16.9		2.42		TAS					m_e
FBE	144.47		PKPab	13:59:28.965	0.4	17.1		4.24		TAS					m_e
FLT1	143.54		PKPbc	13:59:21.037	-0.1	16.9		2.42		TAS					m_e
FLT1	143.54		PKPab	13:59:24.414	0.7	17.1		4.24		TAS					m_e
FUR	147.53		PKPbc	13:59:30.838	-0.4	16.9		2.42		TAS					m_e
FUR	147.53		PKPab	13:59:41.767		17.1		4.24		TAS					m_e
GEC2	146.34		PKPbc	13:59:28.098	0.1	16.9		2.42		TAS					m_e
GEC2	146.34		PKPab	13:59:36.439		17.1		4.24		TAS					m_e
GRA1	146.08		PKPbc	13:59:27.809	-0.2	16.9		2.42		TAS					m_e
GRA1	146.08		PKPab	13:59:35.864		17.1		4.24		TAS					m_e
GTTG	144.51		PKPbc	13:59:23.959	-0.2	16.9		2.42		TAS					m_e

GUNZ	145.22	PKPbc	13:59:25.802	0.3	16.9	2.42	TAS	m_e
GUNZ	145.22	PKPab	13:59:32.018		17.1	4.24	TAS	m_e
IBBN	144.06	PKPbc	13:59:22.749	-0.1	16.9	2.42	TAS	m_e
KAST	145.06	PKPbc	13:59:25.349	0.2	16.9	2.42	TAS	m_e
MANZ	145.62	PKPbc	13:59:26.692	0.0	16.9	2.42	TAS	m_e
MOX	145.09	PKPbc	13:59:25.248	0.1	16.9	2.42	TAS	m_e
NEUB	144.54	PKPbc	13:59:23.922	0.2	16.9	2.42	TAS	m_e
NEUB	144.54	PKPab	13:59:28.796	-0.3	17.1	4.24	TAS	m_e
NRDL	143.56	PKPbc	13:59:21.336	-0.1	16.9	2.42	TAS	m_e
PLN	145.13	PKPbc	13:59:25.441	0.2	16.9	2.42	TAS	m_e
PLN	145.13	PKPab	13:59:31.406	-0.4	17.1	4.24	TAS	m_e
RETH	143.44	PKPbc	13:59:21.026	-0.1	16.9	2.42	TAS	m_e
RJOB	147.59	PKPbc	13:59:30.591	-0.4	16.9	2.42	TAS	m_e
RJOB	147.59	PKPab	13:59:42.292		17.1	4.24	TAS	m_e
ROTZ	145.81	PKPbc	13:59:27.028	0.2	16.9	2.42	TAS	m_e
ROTZ	145.81	PKPab	13:59:34.386		17.1	4.24	TAS	m_e
RUE	142.92	PKPbc	13:59:19.494	-0.3	16.9	2.42	TAS	m_e
STU	147.32	PKPbc	13:59:30.684	-0.7	16.9	2.42	TAS	m_e
TANN	145.14	PKPbc	13:59:25.392	-0.1	16.9	2.42	TAS	m_e
TANN	145.14	PKPab	13:59:31.511		17.1	4.24	TAS	m_e
TNS	146.02	PKPbc	13:59:27.704	-0.0	16.9	2.42	TAS	m_e
TNS	146.02	PKPab	13:59:35.166		17.1	4.24	TAS	m_e
UBBA	145.21	PKPbc	13:59:25.292	0.5	16.9	2.42	TAS	m_e
UBR	148.22	PKPbc	13:59:32.261		16.9	2.42	TAS	m_e
WERD	145.14	PKPbc	13:59:25.456	0.3	16.9	2.42	TAS	m_e
WERN	145.28	PKPbc	13:59:26.089	0.1	16.9	2.42	TAS	m_e
WERN	145.28	PKPab	13:59:32.385		17.1	4.24	TAS	m_e
WET	146.25	PKPbc	13:59:27.976	0.4	16.9	2.42	TAS	m_e
WET	146.25	PKPab	13:59:36.363		17.1	4.24	TAS	m_e
WLF	146.83	PKPbc	13:59:30.018	-0.2	16.9	2.42	TAS	m_e
WLF	146.83	PKPab	13:59:38.996		17.1	4.24	TAS	m_e

Event 60407011 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/07	21:38:11.93			-17.8780	-177.1860				33.0			25		143.55	149.68	m i ke	BGR
60407017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.27		PKPbc	21:57:45.148	0.1	25.8		3.75		TAS					m_e
BFO	149.30		PKPbc	21:57:56.236		25.8		3.75		TAS					m_e
BRG	145.90		PKPbc	21:57:47.098	0.3	25.8		3.75		TAS					m_e
BSEG	143.55		PKPbc	21:57:39.282	-0.3	25.8		3.75		TAS					m_e
CLL	145.68		PKPbc	21:57:46.165	0.5	25.8		3.75		TAS					m_e

CLZ	145.59	PKPbc	21:57:46.338	0.4	25.8	3.75	TAS	m_e
FBE	145.98	PKPbc	21:57:47.667	0.2	25.8	3.75	TAS	m_e
FLT1	144.99	PKPbc	21:57:43.940	-0.2	25.8	3.75	TAS	m_e
FUR	149.01	PKPbc	21:57:55.693		25.8	3.75	TAS	m_e
GEC2	147.87	PKPbc	21:57:52.455		25.8	3.75	TAS	m_e
GRA1	147.55	PKPbc	21:57:52.102		25.8	3.75	TAS	m_e
GRA1	147.55	PKPab	21:57:55.297				T__	m_e
GTTG	145.93	PKPbc	21:57:47.441	0.4	25.8	3.75	TAS	m_e
GUNZ	146.71	PKPbc	21:57:49.590	-0.8	25.8	3.75	TAS	m_e
MANZ	147.11	PKPbc	21:57:50.721	-0.4	25.8	3.75	TAS	m_e
NEUB	146.00	PKPbc	21:57:47.445	0.3	25.8	3.75	TAS	m_e
NRDL	144.99	PKPbc	21:57:44.198	-0.1	25.8	3.75	TAS	m_e
PLN	146.62	PKPbc	21:57:49.224	0.5	25.8	3.75	TAS	m_e
RETH	144.84	PKPbc	21:57:43.892	0.0	25.8	3.75	TAS	m_e
RJOB	149.12	PKPbc	21:57:55.399		25.8	3.75	TAS	m_e
ROTZ	147.30	PKPbc	21:57:51.135		25.8	3.75	TAS	m_e
RUE	144.41	PKPbc	21:57:42.402	-0.4	25.8	3.75	TAS	m_e
STU	148.75	PKPbc	21:57:55.253		25.8	3.75	TAS	m_e
TANN	146.63	PKPbc	21:57:49.266	0.4	25.8	3.75	TAS	m_e
UBR	149.68	PKPbc	21:57:56.917		25.8	3.75	TAS	m_e
WLF	148.18	PKPbc	21:57:54.333		25.8	3.75	TAS	m_e

Event 60409006 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/09	14:07:48.87			-18.7210	171.2970				260.9			24		143.00	147.39	m i k e	BGR
OrigID 60409012																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.39		PKPbc	14:27:00.365		34.4		3.14		TAS					m_e
BUG	145.00		PKPbc	14:26:52.549		34.4		3.14		TAS					m_e
CLL	143.23		PKPbc	14:26:47.151	0.2	34.4		3.14		TAS					m_e
FLT1	143.00		PKPbc	14:26:46.558	0.4	34.4		3.14		TAS					m_e
GEC2	144.92		PKPbc	14:26:52.892	-0.4	34.4		3.14		TAS					m_e
GRA1	145.21		PKPbc	14:26:54.507		34.4		3.14		TAS					m_e
GTTG	144.08		PKPbc	14:26:50.920	-0.3	34.4		3.14		TAS					m_e
GUNZ	144.25		PKPbc	14:26:51.243	-1.1	34.4		3.14		TAS					m_e
IBBN	144.08		PKPbc	14:26:50.754	0.6	34.4		3.14		TAS					m_e
KAST	144.87		PKPbc	14:26:53.245		34.4		3.14		TAS					m_e
MANZ	144.64		PKPbc	14:26:52.361	0.2	34.4		3.14		TAS					m_e
MOX	144.28		PKPbc	14:26:51.032	-0.5	34.4		3.14		TAS					m_e
NEUB	143.77		PKPbc	14:26:49.472	0.2	34.4		3.14		TAS					m_e
RJOB	146.16		PKPbc	14:26:56.607		34.4		3.14		TAS					m_e
ROTZ	144.78		PKPbc	14:26:52.846	0.6	34.4		3.14		TAS					m_e

STU	146.71	PKPbc	14:26:58.827		34.4		3.14	TAS		m_e
TANN	144.16	PKPbc	14:26:50.709	0.1	34.4		3.14	TAS		m_e
TNS	145.71	PKPbc	14:26:55.955		34.4		3.14	TAS		m_e
UBBA	144.69	PKPbc	14:26:52.495	-0.3	34.4		3.14	TAS		m_e
UBR	147.29	PKPbc	14:27:00.136		34.4		3.14	TAS		m_e
WERD	144.19	PKPbc	14:26:50.916	0.1	34.4		3.14	TAS		m_e
WERN	144.29	PKPbc	14:26:51.394	0.3	34.4		3.14	TAS		m_e
WET	145.02	PKPbc	14:26:53.469		34.4		3.14	TAS		m_e
WLF	146.90	PKPbc	14:27:00.134		34.4		3.14	TAS		m_e

Event 60410002 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/10	07:11:18.99			16.0610	-97.5400				28.8	2.4		22		86.49	91.36	m i ke	BGR
60410008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60410008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.74		P	07:24:00.301	0.2	294.5		4.68		TAS		18.0	0.81	m_e mb	5.2
AHRW	86.74		pP	07:24:08.429	0.2					T__				m_e	
ASSE	88.21		P	07:24:07.549	-0.2	294.5		4.68		TAS		7.2	0.84	m_e mb	5.0
BSEG	87.28		P	07:24:02.717	0.2	294.5		4.68		TAS		9.6	0.83	m_e mb	5.0
BUG	86.52		P	07:23:58.922	0.1	294.5		4.68		TAS		35.8	1.41	m_e mb	5.3
CLL	89.87		P	07:24:14.559		294.5		4.68		TAS		5.3	1.01	m_e mb	4.7
CLZ	88.16		P	07:24:07.110	-0.9	294.5		4.68		TAS		7.1	0.89	m_e mb	5.0
FBE	90.24		P	07:24:16.552		294.5		4.68		TAS		5.4	0.96	m_e mb	4.7
FLT1	88.44		P	07:24:07.866	0.1	294.5		4.68		TAS		6.0	0.81	m_e mb	5.0
FLT1	88.44		pP	07:24:15.597						T__				m_e	
GEC2	91.36		P	07:24:21.718		294.5		4.68		TAS		5.7	1.09	m_e mb	4.8
GUNZ	89.89		P	07:24:15.033		294.5		4.68		TAS		7.1	1.02	m_e mb	4.8
GUNZ	89.89		pP	07:24:23.790						T__				m_e	
IBBN	86.49		P	07:23:58.954	-0.3	294.5		4.68		TAS		15.8	0.81	m_e mb	5.2
KAST	87.28		P	07:24:02.916	-0.2	294.5		4.68		TAS		7.1	0.97	m_e mb	4.8
MANZ	89.93		P	07:24:15.208		294.5		4.68		TAS		1.1	0.93	m_e mb	4.1
MANZ	89.93		pP	07:24:23.874						T__				m_e	
MOX	89.36		P	07:24:12.265	0.0	294.5		4.68		TAS		3.1	0.86	m_e mb	4.5
MOX	89.36		pP	07:24:20.629						T__				m_e	
NEUB	89.22		P	07:24:10.900	0.0	294.5		4.68		TAS				m_e	
NRDL	87.74		P	07:24:05.125	0.5	294.5		4.68		TAS		6.5	0.91	m_e mb	5.0
ROTZ	90.08		P	07:24:15.799		294.5		4.68		TAS		0.8	1.01	m_e mb	3.9
ROTZ	90.08		pP	07:24:24.691						T__				m_e	
TANN	89.95		P	07:24:15.322		294.5		4.68		TAS		11.6	1.18	m_e mb	5.0
TANN	89.95		pP	07:24:23.643						T__				m_e	
TNS	87.67		P	07:24:04.394	0.3	294.5		4.68		TAS		16.1	0.74	m_e mb	5.4

WERN	89.95	P	07:24:15.542	294.5	4.68	TAS	12.2	1.14	m_e mb	5.0
WERN	89.95	pP	07:24:24.187			T__			m_e	
WET	90.74	P	07:24:19.070	294.5	4.68	TAS	5.8	0.82	m_e mb	4.9
WLF	86.50	P	07:23:58.993	-0.1 294.5	4.68	TAS	21.8	0.81	m_e mb	5.3
WLF	86.50	pP	07:24:07.434	0.1		T__			m_e	

Event 60410004 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/10	10:28:58.90			36.1700	71.2500				228.5	3.2		36		43.03	48.08	m i ke	BGR
	60410010																

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	60410010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.36		P	10:37:09.726	-0.1	85.3		7.83		TAS		1037.5	1.33	m_e mb	6.8
ASSE	44.95		P	10:36:50.197	-0.6	85.3		7.83		TAS		2100.1	2.41	m_e mb	6.6
BFO	46.89		P	10:37:05.298	-0.4	85.3		7.83		TAS		444.8	1.50	m_e mb	6.4
BSEG	45.06		P	10:36:51.887	0.7	85.3		7.83		TAS		1418.3	1.25	m_e mb	6.8
BSEG	45.06		pP	10:37:40.679						T__				m_e	
BUG	47.12		P	10:37:07.532	-0.4	85.3		7.83		TAS		2059.0	1.87	m_e mb	6.9
BUG	47.12		pP	10:37:56.585						T__				m_e	
CLL	43.56		P	10:36:39.277	-0.7	85.3		7.83		TAS		1434.9	1.84	m_e mb	6.4
CLZ	45.16		P	10:36:52.444	-0.1	85.3		7.83		TAS		850.1	1.16	m_e mb	6.6
FBE	43.36		P	10:36:38.429	-0.0	85.3		7.83		TAS		727.5	1.04	m_e mb	6.3
FLT1	44.59		P	10:36:47.422	-0.6	85.3		7.83		TAS		893.5	0.78	m_e mb	6.8
FLT1	44.59		pP	10:37:35.657						T__				m_e	
FUR	44.97		P	10:36:51.059	0.6	85.3		7.83		TAS		2302.4	1.77	m_e mb	6.8
GEC2	43.29		P	10:36:37.525	0.0	85.3		7.83		TAS		3402.0	2.96	m_e mb	6.6
GRA1	44.82		P	10:36:50.457	0.7	85.3		7.83		TAS		2866.0	1.97	m_e mb	6.9
GTTG	45.44		P	10:36:54.687	-0.0	85.3		7.83		TAS		1129.4	1.10	m_e mb	6.7
GUNZ	44.04		P	10:36:43.901	0.1	85.3		7.83		TAS		5602.6	2.91	m_e mb	6.8
HLG	46.48		P	10:37:02.826	0.7	85.3		7.83		TAS		1445.1	1.21	m_e mb	6.9
IBBN	46.72		P	10:37:04.508	-0.1	85.3		7.83		TAS		1899.6	1.45	m_e mb	7.0
IBBN	46.72		pP	10:37:53.160						T__				m_e	
KAST	46.44		P	10:37:02.108	-0.4	85.3		7.83		TAS		1592.6	2.33	m_e mb	6.6
MANZ	44.22		P	10:36:45.440	0.3	85.3		7.83		TAS		1808.2	2.97	m_e mb	6.3
MOX	44.48		P	10:36:47.152	-0.1	85.3		7.83		TAS		7166.0	2.98	m_e mb	6.9
NEUB	44.34		P	10:36:45.809	-0.3	85.3		7.83		TAS		610.1	0.92	m_e mb	6.3
NRDL	45.27		P	10:36:53.541	0.3	85.3		7.83		TAS		1565.2	1.49	m_e mb	6.7
PLN	44.14		P	10:36:44.457	-0.1	85.3		7.83		TAS		5810.0	2.96	m_e mb	6.8
RETH	45.71		P	10:36:56.675	0.1	85.3		7.83		TAS		819.3	1.40	m_e mb	6.6
RGN	43.29		P	10:36:37.819	0.8	85.3		7.83		TAS		3845.0	1.30	m_e mb	7.0
RGN	43.29		pP	10:37:25.873						T__				m_e	
RJOB	44.00		P	10:36:42.972	0.2	85.3		7.83		TAS		2231.5	2.26	m_e mb	6.5

ROTZ	44.18	P	10:36:45.212	0.5	85.3	7.83	TAS	1743.4	2.77	m_e	mb	6.3
ROTZ	44.18	pP	10:37:33.935				T__			m_e		
RUE	43.03	P	10:36:35.054	-0.7	85.3	7.83	TAS	1149.7	1.14	m_e	mb	6.5
STU	46.25	P	10:37:01.027	0.2	85.3	7.83	TAS	4508.1	1.85	m_e	mb	7.2
TANN	43.96	P	10:36:42.995	-0.1	85.3	7.83	TAS	4970.2	2.81	m_e	mb	6.7
TNS	46.54	P	10:37:03.219	-0.1	85.3	7.83	TAS	1314.4	2.02	m_e	mb	6.7
UBBA	45.48	P	10:36:54.762	-0.3	85.3	7.83	TAS	312.2	0.75	m_e	mb	6.3
UBR	45.81	P	10:36:57.241	0.3	85.3	7.83	TAS	10052.2	3.08	m_e	mb	7.3
UBR	45.81	pP	10:37:45.890				T__			m_e		
WERD	44.05	P	10:36:43.764	-0.1	85.3	7.83	TAS	6048.7	2.95	m_e	mb	6.8
WERN	44.02	P	10:36:43.541	-0.1	85.3	7.83	TAS	4021.8	2.81	m_e	mb	6.7
WET	43.80	P	10:36:41.438	-0.2	85.3	7.83	TAS	2692.3	2.67	m_e	mb	6.5
WLF	48.08	P	10:37:15.508	0.1	85.3	7.83	TAS	1972.4	1.79	m_e	mb	6.9
WLF	48.08	pP	10:38:04.629				T__			m_e		

Event 60410005 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/10	17:48:40.59			35.6250	4.0750				10.0			30		12.86	18.82	m i ke	BGR
OrigID 60410011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	15.07		P	17:52:18.006	1.2	203.0		13.30		TAS		35.3	0.89	m_e	
BFO	13.08		P	17:51:49.517	-3.5	203.0		13.30		TAS		17.7	0.94	m_e	
BSEG	18.82		P	17:53:09.466		203.0		13.30		TAS		28.5	1.01	m_e	
BUG	15.98		P	17:52:31.152	-4.4	203.0		13.30		TAS		53.2	0.94	m_e	
CLL	16.94		P	17:52:45.064	-0.6	203.0		13.30		TAS		23.1	0.99	m_e	
CLZ	16.83		P	17:52:42.607	0.0	203.0		13.30		TAS		5.7	0.88	m_e	
FBE	16.69		P	17:52:42.641	3.2	203.0		13.30		TAS		44.7	1.22	m_e	
FLT1	17.46		P	17:52:51.082		203.0		13.30		TAS		20.2	1.01	m_e	
FUR	13.62		P	17:52:03.296	2.6	203.0		13.30		TAS		53.7	1.07	m_e	
GEC2	14.99		P	17:52:20.425	2.7	203.0		13.30		TAS		40.5	0.98	m_e	
GRA1	15.00		P	17:52:18.371	-0.9	203.0		13.30		TAS		21.9	1.02	m_e	
GTTG	16.47		P	17:52:33.629	1.1	203.0		13.30		TAS		67.5	1.35	m_e	
GUNZ	15.90		P	17:52:29.391	-1.9	203.0		13.30		TAS		21.7	0.97	m_e	
IBBN	16.88		P	17:52:44.048	-0.3	203.0		13.30		TAS		91.2	1.21	m_e	
KAST	15.88		P	17:52:28.258	-0.8	203.0		13.30		TAS		11.0	0.94	m_e	
MANZ	15.50		P	17:52:24.138	-1.7	203.0		13.30		TAS		3.0	1.05	m_e	
MOX	15.97		P	17:52:32.046	0.2	203.0		13.30		TAS		25.0	1.00	m_e	
NRDL	17.40		P	17:52:49.867	0.9	203.0		13.30		TAS		32.1	1.09	m_e	
RJOB	13.73		P	17:52:03.982	3.0	203.0		13.30		TAS		18.5	0.79	m_e	
ROTZ	15.33		P	17:52:21.868	-1.7	203.0		13.30		TAS		1.7	0.91	m_e	
RUE	18.20		P	17:53:01.232		203.0		13.30		TAS		27.6	0.96	m_e	
STU	13.67		P	17:51:58.241	-3.0	203.0		13.30		TAS		50.5	0.96	m_e	

TANN	15.99	P	17:52:32.502	2.5	203.0	13.30	TAS	30.2	1.12	m_e
TNS	14.93	P	17:52:15.137	-1.8	203.0	13.30	TAS	22.7	0.93	m_e
UBBA	15.78	P	17:52:29.584	0.5	203.0	13.30	TAS	38.8	1.42	m_e
UBR	12.86	P	17:51:50.590	-0.2	203.0	13.30	TAS	38.4	0.88	m_e
WERD	15.97	P	17:52:33.095	-0.2	203.0	13.30	TAS	13.7	1.03	m_e
WERN	15.85	P	17:52:30.863	0.4	203.0	13.30	TAS	14.2	1.00	m_e
WET	14.98	P	17:52:18.291	-0.1	203.0	13.30	TAS	14.9	0.88	m_e
WLF	14.11	P	17:52:05.607	2.4	203.0	13.30	TAS	44.4	0.88	m_e

Event 60410006 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/10	19:34:10.46			52.4500	178.9900				33.0			32		73.57	79.80	m i ke	BGR
OrigID 60410012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	60410012
Ms	5.1		BGR	60410012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.16		P	19:46:00.723	-0.3	7.7		5.64		TAS		17.1	0.84	m_e	mb 5.2
ASSE	75.33		P	19:45:51.651	-0.6	7.7		5.64		TAS		18.4	1.18	m_e	mb 5.0
BFO	79.28		P	19:46:13.008		7.7		5.64		TAS		8.0	0.81	m_e	mb 4.8
BRG	76.28		P	19:45:55.458	0.0	7.7		5.64		TAS		32.5	1.36	m_e	mb 5.3
BSEG	73.57		P	19:45:41.307	0.0	7.7		5.64		TAS		48.6	0.96	m_e	mb 5.5
BUG	76.25		P	19:45:55.749	-0.9	7.7		5.64		TAS		40.1	1.20	m_e	mb 5.4
CLL	75.94		P	19:45:53.777	-0.3	7.7		5.64		TAS		7.8	0.85	m_e	mb 4.9
CLZ	75.64		P	19:45:53.071	0.0	7.7		5.64		TAS		39.9	1.06	m_e	mb 5.5
FBE	76.29		P	19:45:56.085	-0.2	7.7		5.64		TAS		14.6	0.99	m_e	mb 5.1
FLT1	75.09		P	19:45:49.487	0.4	7.7		5.64		TAS		21.0	0.94	m_e	mb 5.2
FUR	79.22		P	19:46:12.856		7.7		5.64		TAS		28.5	1.04	m_e	mb 5.2
GEC2	78.31		P	19:46:07.413	1.4	7.7		5.64		TAS		6.8	0.89	m_e	mb 4.8
GRA1	77.71		P	19:46:04.728	0.0	7.7		5.64		TAS		73.9	1.29	m_e	mb 5.7
GRA1	77.71		L	20:24:56.236						T__		739.9	21.40	a_e	Ms 5.0
GTTG	75.97		P	19:45:54.742	-0.8	7.7		5.64		TAS		30.7	1.00	m_e	mb 5.4
GUNZ	76.94		P	19:45:59.914	0.0	7.7		5.64		TAS		14.3	1.04	m_e	mb 5.0
IBBN	75.36		P	19:45:51.392	0.3	7.7		5.64		TAS		77.4	0.99	m_e	mb 5.7
KAST	76.42		P	19:45:56.068	-0.1	7.7		5.64		TAS		12.4	0.92	m_e	mb 5.0
MANZ	77.34		P	19:46:01.815	-0.0	7.7		5.64		TAS		3.5	1.15	m_e	mb 4.4
MOX	76.73		P	19:45:58.548	0.1	7.7		5.64		TAS		23.5	1.16	m_e	mb 5.2
MOX	76.73		L	20:29:39.089						T__		982.6	18.30	a_e	Ms 5.2
NEUB	76.17		P	19:45:55.657	-0.2	7.7		5.64		TAS		46.3	1.08	m_e	mb 5.5
NRDL	75.01		P	19:45:49.142	0.4	7.7		5.64		TAS		24.9	0.97	m_e	mb 5.2
RJOB	79.50		P	19:46:14.464		7.7		5.64		TAS		10.7	0.78	m_e	mb 4.9
ROTZ	77.54		P	19:46:03.416	-0.1	7.7		5.64		TAS		2.8	1.02	m_e	mb 4.3
RUE	74.71		P	19:45:47.918	-0.0	7.7		5.64		TAS		13.5	0.83	m_e	mb 5.0

STU	78.78	P	19:46:10.323		7.7	5.64	TAS	31.5	0.71	m_e	mb	5.4
TANN	76.88	P	19:45:59.571	-0.1	7.7	5.64	TAS	16.3	1.25	m_e	mb	5.0
TNS	77.39	P	19:46:02.435	-0.2	7.7	5.64	TAS	14.1	0.77	m_e	mb	5.2
UBBA	76.69	P	19:45:58.544	-0.1	7.7	5.64	TAS	8.8	1.08	m_e	mb	4.8
UBR	79.80	P	19:46:17.449		7.7	5.64	TAS	7.2	0.85	m_e	mb	4.6
WERN	77.01	P	19:46:00.521	0.4	7.7	5.64	TAS	21.8	1.00	m_e	mb	5.2
WET	78.10	P	19:46:06.479	0.1	7.7	5.64	TAS	9.2	1.05	m_e	mb	4.8
WLF	78.08	P	19:46:06.036	-0.2	7.7	5.64	TAS	11.4	0.87	m_e	mb	5.0

Event 60412006 Northwest of Madagascar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/12	15:17:11.10			-7.4000	41.5300				52.4	1.0		26		60.49	66.52	m i ke	BGR
OrigID 60412012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60412012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	64.96	P		15:27:47.047		145.5		6.59		TAS		21.7	0.79	m_e	mb	5.4
BFO	62.71	P		15:27:31.489	0.1	145.5		6.59		TAS		9.7	0.81	m_e	mb	5.0
BRG	62.74	P		15:27:31.957	0.4	145.5		6.59		TAS		7.2	0.86	m_e	mb	4.8
BRG	62.74	pP		15:27:46.309						T__				m_e		
BSEG	66.52	P		15:27:55.779		145.5		6.59		TAS		7.5	0.76	m_e	mb	5.0
BUG	65.59	P		15:27:50.418		145.5		6.59		TAS		8.3	0.79	m_e	mb	5.0
CLL	63.43	pP		15:27:50.811						T__				m_e		
FBE	62.98	P		15:27:33.352	-0.2	145.5		6.59		TAS		8.5	0.98	m_e	mb	4.8
GEC2	61.09	P		15:27:21.278	0.3	145.5		6.59		TAS		14.4	0.81	m_e	mb	4.9
GRA1	62.69	P		15:27:31.623	0.3	145.5		6.59		TAS		17.7	0.79	m_e	mb	5.2
GTTG	64.67	P		15:27:45.244		145.5		6.59		TAS		15.5	0.81	m_e	mb	5.3
GUNZ	62.86	P		15:27:32.813	0.1	145.5		6.59		TAS		5.8	0.83	m_e	mb	4.7
IBBN	66.10	P		15:27:53.909		145.5		6.59		TAS		12.8	0.94	m_e	mb	5.1
KAST	64.97	pP		15:28:00.635						T__				m_e		
MANZ	62.62	P		15:27:30.882	-0.0	145.5		6.59		TAS		1.7	0.82	m_e	mb	4.2
MANZ	62.62	pP		15:27:45.601						T__				m_e		
MOX	63.34	P		15:27:35.511	-0.4	145.5		6.59		TAS		6.4	0.81	m_e	mb	4.8
NEUB	63.75	P		15:27:38.192	0.7	145.5		6.59		TAS		11.0	0.79	m_e	mb	5.1
NRDL	65.40	P		15:27:49.720		145.5		6.59		TAS		7.0	0.88	m_e	mb	4.9
RJOB	60.49	P		15:27:16.708	-0.3	145.5		6.59		TAS		8.7	0.75	m_e	mb	4.9
ROTZ	62.40	P		15:27:29.382	-0.1	145.5		6.59		TAS		1.5	0.91	m_e	mb	4.2
TANN	62.85	P		15:27:32.927	0.4	145.5		6.59		TAS		10.8	0.87	m_e	mb	5.0
TANN	62.85	pP		15:27:47.242						T__				m_e		
TNS	64.17	P		15:27:41.217	-0.2	145.5		6.59		TAS		13.7	0.86	m_e	mb	5.2
TNS	64.17	pP		15:27:55.856						T__				m_e		
UBR	61.47	P		15:27:23.587	-1.1	145.5		6.59		TAS		9.3	0.79	m_e	mb	4.7
WERD	62.94	P		15:27:33.486	-0.3	145.5		6.59		TAS		16.6	0.94	m_e	mb	5.1



WERN	62.78	P	15:27:32.243	0.2	145.5	6.59	TAS	6.3	0.84	m_e mb	4.8
WET	61.64	P	15:27:23.420	-0.2	145.5	6.59	TAS	4.6	0.81	m_e mb	4.8
WLF	64.65	P	15:27:43.824	-0.8	145.5	6.59	TAS	18.5	0.86	m_e mb	5.3

Event 60412007 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/12	18:42:09.79			47.6070	-37.5080				10.0			21		28.63	33.61	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	60412013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	29.02		P	18:48:08.873	-0.9	285.3		8.78		TAS		11.2	0.90	m_e mb	4.7
ASSE	30.92		P	18:48:26.538	-0.9	285.3		8.78		TAS		14.9	1.22	m_e mb	4.8
BRG	33.19		P	18:48:44.845		285.3		8.78		TAS		4.9	0.96	m_e mb	4.4
BSEG	30.41		P	18:48:20.330	1.5	285.3		8.78		TAS		21.3	0.92	m_e mb	5.0
BUG	28.97		P	18:48:07.849	-0.1	285.3		8.78		TAS		22.5	0.95	m_e mb	5.0
CLL	32.51		P	18:48:38.282		285.3		8.78		TAS		5.2	0.80	m_e mb	4.5
CLZ	30.79		P	18:48:25.410	0.7	285.3		8.78		TAS		10.6	1.03	m_e mb	4.7
FLT1	31.22		P	18:48:26.516	1.3	285.3		8.78		TAS		5.8	0.83	m_e mb	4.5
GEC2	33.61		P	18:48:48.978		285.3		8.78		TAS		3.1	0.90	m_e mb	4.2
GRA1	31.82		P	18:48:33.679		285.3		8.78		TAS		10.5	0.88	m_e mb	4.8
GUNZ	32.33		P	18:48:39.274		285.3		8.78		TAS		3.2	0.87	m_e mb	4.3
IBBN	29.12		P	18:48:08.428	-0.4	285.3		8.78		TAS		23.5	0.97	m_e mb	5.0
KAST	29.72		P	18:48:14.591	-0.2	285.3		8.78		TAS		11.4	1.03	m_e mb	4.6
MANZ	32.29		P	18:48:37.463		285.3		8.78		TAS		1.5	1.00	m_e mb	3.9
MOX	31.82		P	18:48:32.396	-0.2	285.3		8.78		TAS		7.8	1.04	m_e mb	4.6
NEUB	31.79		P	18:48:31.867	-0.9	285.3		8.78		TAS		10.8	0.97	m_e mb	4.7
NRDL	30.51		P	18:48:22.308	-1.0	285.3		8.78		TAS		8.8	0.86	m_e mb	4.7
ROTZ	32.41		P	18:48:38.178		285.3		8.78		TAS		2.2	1.11	m_e mb	4.0
TANN	32.40		P	18:48:38.892		285.3		8.78		TAS		3.0	0.84	m_e mb	4.2
TNS	29.95		P	18:48:16.940	1.2	285.3		8.78		TAS		5.6	0.89	m_e mb	4.4
UBR	31.68		P	18:48:33.690	-0.6	285.3		8.78		TAS		6.0	0.96	m_e mb	4.5
WERD	32.30		P	18:48:36.714		285.3		8.78		TAS		5.9	0.90	m_e mb	4.5
WLF	28.63		P	18:48:04.716	-0.6	285.3		8.78		TAS		9.9	0.89	m_e mb	4.6

Event 60413004 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/13	13:55:13.95			22.3900	95.2700				146.1	11.2		36		67.46	72.71	m i ke	BGR

Magnitude Err Nsta Author OrigID  
 mb 7.4 BGR 60413010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.93		P	14:06:21.565	0.0	79.9		6.19		TAS		3152.9	1.36	a_e mb	7.3
ASSE	69.39		P	14:06:05.565	-0.3	79.9		6.19		TAS		3689.8	1.83	a_e mb	7.3
BFO	71.64		P	14:06:19.215	-0.4	79.9		6.19		TAS		2720.2	1.65	a_e mb	7.1
BRG	67.58		P	14:05:54.515	-0.1	79.9		6.19		TAS		3115.9	1.31	a_e mb	7.4
BSEG	69.29		P	14:06:05.415	0.3	79.9		6.19		TAS		5579.8	1.33	a_e mb	7.6
BSEG	69.29		pP	14:06:39.504						T__				m_e	
CLL	68.10		P	14:05:57.315	-0.5	79.9		6.19		TAS		2346.5	1.27	a_e mb	7.3
CLL	68.10		PP	14:08:29.673	0.4					T__				m_e	
CLZ	69.63		P	14:06:07.365	0.1	79.9		6.19		TAS		5241.7	1.40	a_e mb	7.5
CLZ	69.63		pP	14:06:41.600						T__				m_e	
FBE	67.94		P	14:05:57.015	0.2	79.9		6.19		TAS		6975.7	1.36	a_e mb	7.7
FLT1	69.02		P	14:06:02.815	-0.7	79.9		6.19		TAS		3605.3	1.45	a_e mb	7.4
FUR	69.75		P	14:06:08.165	0.3	79.9		6.19		TAS		6111.9	1.54	a_e mb	7.5
GEC2	68.04		P	14:05:57.515	0.2	79.9		6.19		TAS		3921.4	1.28	a_e mb	7.5
GRA1	69.49		P	14:06:07.015	0.6	79.9		6.19		TAS		9907.3	1.77	a_e mb	7.7
GRA1	69.49		pP	14:06:41.136						T__				m_e	
GRA1	69.49		PP	14:08:44.064						T__				m_e	
GTTG	69.93		P	14:06:09.115	-0.1	79.9		6.19		TAS		4563.7	1.40	a_e mb	7.4
GTTG	69.93		PP	14:08:44.339						T__				m_e	
GUNZ	68.67		P	14:06:01.365	0.0	79.9		6.19		TAS		3460.9	1.24	a_e mb	7.4
GUNZ	68.67		PP	14:08:34.628						T__				m_e	
HLG	70.66		P	14:06:13.715	0.3	79.9		6.19		TAS		3766.7	1.34	a_e mb	7.3
IBBN	71.12		P	14:06:16.415	-0.1	79.9		6.19		TAS		7143.0	1.60	a_e mb	7.5
KAST	70.95		P	14:06:15.415	-0.1	79.9		6.19		TAS		3074.6	1.68	a_e mb	7.2
MANZ	68.88		P	14:06:03.015	0.4	79.9		6.19		TAS		1218.2	1.52	a_e mb	6.9
MOX	69.07		P	14:06:03.815	-0.0	79.9		6.19		TAS		2322.5	1.23	a_e mb	7.3
MOX	69.07		PP	14:08:38.786						T__				m_e	
NEUB	68.88		P	14:06:02.315	-0.4	79.9		6.19		TAS		5121.3	1.43	a_e mb	7.6
NEUB	68.88		PP	14:08:35.165						T__				m_e	
NRDL	69.67		P	14:06:07.965	0.4	79.9		6.19		TAS		8356.2	1.46	a_e mb	7.7
PLN	68.76		P	14:06:01.815	-0.1	79.9		6.19		TAS		3986.4	1.66	a_e mb	7.4
RETH	70.07		P	14:06:10.015	0.0	79.9		6.19		TAS		3785.7	1.55	a_e mb	7.3
RGN	67.46		P	14:05:53.815	0.1	79.9		6.19		TAS		6544.2	1.42	a_e mb	7.7
RJOB	68.82		P	14:06:02.065	0.0	79.9		6.19		TAS		2025.8	1.17	a_e mb	7.2
ROTZ	68.85		P	14:06:02.865	0.4	79.9		6.19		TAS		1446.6	1.26	a_e mb	7.1
RUE	67.46		P	14:05:53.515	-0.3	79.9		6.19		TAS		6281.9	1.24	a_e mb	7.7
STU	70.98		P	14:06:15.565	-0.0	79.9		6.19		TAS		10612.7	1.21	a_e mb	7.8
TANN	68.58		P	14:06:00.765	-0.0	79.9		6.19		TAS		2924.7	1.42	a_e mb	7.3
TANN	68.58		PP	14:08:34.043	0.0					T__				m_e	
TNS	71.14		P	14:06:16.465	-0.2	79.9		6.19		TAS		2686.7	1.15	a_e mb	7.3
TNS	71.14		pP	14:06:54.202						T__				m_e	
UBBA	70.05		P	14:06:09.815	-0.1	79.9		6.19		TAS		3546.7	1.54	a_e mb	7.3
UBBA	70.05		pP	14:06:46.176						T__				m_e	
UBR	70.62		P	14:06:12.765	-0.4	79.9		6.19		TAS		2353.3	1.26	a_e mb	7.2

WERD	68.67	P	14:06:01.215	-0.2	79.9	6.19	TAS	2496.4	1.20	a_e	mb	7.3
WERD	68.67	PcP	14:06:28.323				T__				m_e	
WERN	68.66	P	14:06:01.365	0.1	79.9	6.19	TAS	2475.6	1.27	a_e	mb	7.3
WERN	68.66	PP	14:08:35.358				T__				m_e	
WET	68.53	P	14:06:00.565	0.2	79.9	6.19	TAS	3133.9	1.34	a_e	mb	7.4
WLF	72.71	P	14:06:26.615	0.2	79.9	6.19	TAS	10177.8	1.21	m_e	mb	7.8

Event 60413005 Sulu Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/13	18:22:03.26	1.68	0.37	8.7960	119.6770	71.2	52.3	64	20.0			29	353	92.60	97.29	m i ke	BGR
	60413011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	60413011
Ms	5.6		BGR	60413011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	94.52	P		18:35:21.813	-0.1	70.2		4.55		TAS		5.9	0.88	a_e	mb	4.9
BFO	97.29	P		18:35:33.863		70.2		4.55		TAS		1.9	0.78	m_e	mb	4.6
BRG	93.00	P		18:35:14.963	0.2	70.2		4.55		TAS		13.6	0.89	a_e	mb	5.3
BSEG	94.08	P		18:35:19.613	-0.1	70.2		4.55		TAS		18.6	1.06	a_e	mb	5.3
BUG	96.74	P		18:35:32.813		70.2		4.55		TAS		12.8	0.96	a_e	mb	5.3
CLL	93.43	P		18:35:16.513	0.2	70.2		4.55		TAS		7.2	0.91	a_e	mb	5.0
CLZ	94.79	P		18:35:23.363	0.0	70.2		4.55		TAS		18.8	0.94	a_e	mb	5.5
FBE	93.34	P		18:35:16.713	-0.4	70.2		4.55		TAS		20.4	0.98	a_e	mb	5.4
FLT1	94.12	P		18:35:19.363	-0.1	70.2		4.55		TAS		8.9	0.79	a_e	mb	5.2
GEC2	93.76	P		18:35:18.663	-0.3	70.2		4.55		TAS		6.3	0.93	a_e	mb	4.9
GRA1	95.03	P		18:35:24.339	-0.2	70.2		4.55		TAS		3.2	0.75	m_e	mb	4.8
GRA1	95.03	L		19:20:43.935						T__		2186.7	21.30	a_e	Ms	5.6
GTTG	95.14	P		18:35:24.713	0.1	70.2		4.55		TAS		18.9	0.97	a_e	mb	5.5
GUNZ	94.13	P		18:35:20.213	-0.2	70.2		4.55		TAS		9.3	0.88	a_e	mb	5.1
IBBN	96.12	P		18:35:29.013	-0.6	70.2		4.55		TAS		24.4	1.04	a_e	mb	5.5
KAST	96.17	P		18:35:29.413		70.2		4.55		TAS		7.4	1.07	m_e	mb	4.9
MANZ	94.39	P		18:35:21.613	-0.0	70.2		4.55		TAS		1.2	0.96	a_e	mb	4.2
MOX	94.47	P		18:35:21.613	0.2	70.2		4.55		TAS		7.8	0.93	a_e	mb	5.0
MOX	94.47	L		19:23:17.207						T__		2637.6	21.60	a_e	Ms	5.7
NEUB	94.19	P		18:35:20.213	0.2	70.2		4.55		TAS		16.7	0.82	a_e	mb	5.4
NRDL	94.72	P		18:35:23.013	0.2	70.2		4.55		TAS		24.2	0.96	a_e	mb	5.6
RJOB	94.68	P		18:35:22.509	0.1	70.2		4.55		TAS		5.7	0.95	m_e	mb	5.0
ROTZ	94.40	P		18:35:21.713	-0.1	70.2		4.55		TAS		1.5	0.88	a_e	mb	4.3
RUE	92.60	P		18:35:13.163	0.0	70.2		4.55		TAS		44.9	0.88	a_e	mb	5.7
TANN	94.04	P		18:35:19.613	-0.7	70.2		4.55		TAS		5.8	0.89	a_e	mb	4.9
TNS	96.52	P		18:35:31.053		70.2		4.55		TAS		2.9	0.67	m_e	mb	4.7
UBBA	95.37	P		18:35:25.763	0.1	70.2		4.55		TAS		3.2	0.99	a_e	mb	4.7
UBR	96.42	P		18:35:30.195		70.2		4.55		TAS		4.0	0.83	m_e	mb	4.8

WERD	94.12	P	18:35:20.013	0.1	70.2	4.55	TAS	10.2	0.99	a_e	mb	5.1
WERN	94.13	P	18:35:20.263	0.1	70.2	4.55	TAS	5.6	0.84	a_e	mb	4.9
WET	94.19	P	18:35:20.563	0.4	70.2	4.55	TAS	4.9	1.02	a_e	mb	4.8

Event 60414001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	01:37:26.57			51.7000	-174.7500			44.8		4.9		36		73.91	80.91	m i ke	BGR
OrigID 60414007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	60414007
Ms	4.4		BGR	60414007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	78.13		P	01:49:21.895	0.2	3.9		5.56		TAS		36.3	1.06	a_e	mb	5.4
ASSE	76.45		P	01:49:12.345	0.4	3.9		5.56		TAS		23.9	1.10	a_e	mb	5.2
ASSE	76.45		pP	01:49:25.146						T__				m_e		
BFO	80.32		P	01:49:33.595	-0.1	3.9		5.56		TAS		27.3	1.00	a_e	mb	5.1
BRG	77.54		P	01:49:18.145	-0.3	3.9		5.56		TAS		40.5	1.01	a_e	mb	5.5
BSEG	74.65		P	01:49:02.195	0.0	3.9		5.56		TAS		54.0	1.02	a_e	mb	5.5
BUG	77.22		P	01:49:16.295	0.0	3.9		5.56		TAS		23.2	1.11	a_e	mb	5.2
CLL	77.16		P	01:49:15.845	-0.3	3.9		5.56		TAS		37.0	1.07	a_e	mb	5.4
CLZ	76.74		P	01:49:14.345	0.3	3.9		5.56		TAS		65.8	1.12	a_e	mb	5.7
FBE	77.53		P	01:49:18.595	-0.2	3.9		5.56		TAS		57.2	0.92	a_e	mb	5.7
FLT1	76.22		P	01:49:10.545	0.1	3.9		5.56		TAS		45.8	1.23	a_e	mb	5.5
FUR	80.38		P	01:49:34.095	-0.2	3.9		5.56		TAS		33.3	0.95	a_e	mb	5.2
GEC2	79.57		P	01:49:29.645	-0.2	3.9		5.56		TAS		23.1	0.99	a_e	mb	5.1
GEC2	79.57		pP	01:49:43.102						T__				m_e		
GRA1	78.86		P	01:49:26.245	0.2	3.9		5.56		TAS		74.7	1.04	a_e	mb	5.7
GRA1	78.86		pP	01:49:39.318						T__				m_e		
GRA1	78.86		L	02:30:49.241						T__		188.7	18.60	a_e	Ms	4.5
GTTG	77.05		P	01:49:16.045	-0.4	3.9		5.56		TAS		60.9	1.04	a_e	mb	5.7
GTTG	77.05		pP	01:49:28.874						T__				m_e		
GUNZ	78.14		P	01:49:21.945	0.4	3.9		5.56		TAS		23.8	1.00	a_e	mb	5.3
IBBN	76.35		P	01:49:11.795	0.0	3.9		5.56		TAS		77.9	1.19	a_e	mb	5.7
KAST	77.44		P	01:49:17.945	0.3	3.9		5.56		TAS		18.7	1.00	a_e	mb	5.2
MANZ	78.52		P	01:49:23.895	0.2	3.9		5.56		TAS		5.5	1.06	a_e	mb	4.5
MOX	77.89		P	01:49:20.445	0.0	3.9		5.56		TAS		40.6	1.07	a_e	mb	5.5
MOX	77.89		L	02:27:27.532						T__		181.3	19.00	a_e	Ms	4.4
NEUB	77.33		P	01:49:17.295	0.1	3.9		5.56		TAS		86.5	1.02	a_e	mb	5.8
NEUB	77.33		pP	01:49:30.180						T__				m_e		
NRDL	76.10		P	01:49:10.245	-0.5	3.9		5.56		TAS		32.0	1.13	a_e	mb	5.4
NRDL	76.10		pP	01:49:22.647						T__				m_e		
PLN	78.02		P	01:49:21.095	0.1	3.9		5.56		TAS		21.8	0.99	a_e	mb	5.2
PLN	78.02		pP	01:49:34.527						T__				m_e		

Station	Mag	Type	Time	Err	RMS	Lat	Long	Mag	Def	SNR	Amp	Per	Qual	Magnitude
RETH	75.88	P	01:49:09.195	-0.1	3.9			5.56	TAS		34.5	1.03	a_e mb	5.4
RGN	73.91	P	01:48:58.095	-0.1	3.9			5.56	TAS		115.2	1.10	a_e mb	5.8
RJOB	80.73	P	01:49:35.945	-0.4	3.9			5.56	TAS		15.4	0.88	a_e mb	5.0
ROTZ	78.74	P	01:49:25.245	0.5	3.9			5.56	TAS		6.2	1.05	a_e mb	4.6
ROTZ	78.74	pP	01:49:38.301						T__				m_e	
RUE	75.95	P	01:49:09.495	-0.2	3.9			5.56	TAS		77.5	1.24	a_e mb	5.7
STU	79.85	P	01:49:31.095	-0.2	3.9			5.56	TAS		101.0	1.07	m_e mb	5.7
TANN	78.08	P	01:49:21.595	0.3	3.9			5.56	TAS		23.3	1.15	a_e mb	5.2
TANN	78.08	pP	01:49:35.117						T__				m_e	
TNS	78.42	P	01:49:23.345	0.0	3.9			5.56	TAS		44.2	0.97	m_e mb	5.6
UBBA	77.78	P	01:49:19.395	0.1	3.9			5.56	TAS		25.4	1.40	m_e mb	5.2
UBR	80.91	P	01:49:36.775		3.9			5.56	TAS		29.9	1.28	m_e mb	5.2
UBR	80.91	pP	01:49:49.733						T__				m_e	
WERD	78.05	P	01:49:21.395	0.2	3.9			5.56	TAS		22.2	1.00	a_e mb	5.2
WERN	78.21	P	01:49:22.495	0.1	3.9			5.56	TAS		52.9	0.99	a_e mb	5.6
WERN	78.21	pP	01:49:34.906						T__				m_e	
WET	79.32	P	01:49:28.545	-0.1	3.9			5.56	TAS		19.7	1.13	a_e mb	5.0
WLF	79.01	P	01:49:26.748	0.2	3.9			5.56	TAS		23.2	0.99	m_e mb	5.2

Event 60414002 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
2016/04/14	03:06:12.33			54.3100	160.7600				40.0			37		68.23	75.40	m i ke	BGR
OrigID 60414008																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	60414008
Ms	5.5		BGR	60414008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.22	P		03:17:39.633	0.2	18.3		5.98		TAS		435.4	1.91	a_e mb	6.3
ASSE	71.04	P		03:17:26.533	0.0	18.3		5.98		TAS		292.2	1.61	a_e mb	6.2
BFO	75.12	P		03:17:50.333	-0.5	18.3		5.98		TAS		231.4	1.53	m_e mb	6.0
BRG	71.57	P		03:17:29.283	-0.3	18.3		5.98		TAS		259.8	1.67	a_e mb	6.1
BSEG	69.39	P		03:17:16.583	0.0	18.3		5.98		TAS		232.1	1.48	a_e mb	6.2
BUG	72.32	P		03:17:33.883	-0.2	18.3		5.98		TAS		351.8	1.64	a_e mb	6.2
CLL	71.36	P		03:17:27.933	-0.4	18.3		5.98		TAS		351.5	1.30	a_e mb	6.3
CLZ	71.37	P		03:17:28.783	0.3	18.3		5.98		TAS		516.9	1.48	a_e mb	6.4
FBE	71.65	P		03:17:30.133	0.0	18.3		5.98		TAS		293.9	1.29	a_e mb	6.3
FLT1	70.74	P		03:17:24.133	-0.6	18.3		5.98		TAS		353.1	1.78	a_e mb	6.2
FUR	74.70	P		03:17:48.183	-0.2	18.3		5.98		TAS		313.8	1.46	a_e mb	6.1
GEC2	73.53	P		03:17:41.333	0.0	18.3		5.98		TAS		239.1	1.63	m_e mb	6.0
GRA1	73.25	P		03:17:40.183	0.5	18.3		5.98		TAS		791.9	1.72	a_e mb	6.6
GRA1	73.25	L		03:53:31.028						T__		2724.4	21.80	a_e Ms	5.5
GTTG	71.73	P		03:17:30.683	0.1	18.3		5.98		TAS		329.0	1.69	a_e mb	6.2
GUNZ	72.39	P		03:17:34.783	0.2	18.3		5.98		TAS		360.4	1.65	a_e mb	6.2

HLG	69.57	P	03:17:17.833	0.2	18.3	5.98	TAS	421.2	1.79	a_e	mb	6.3
IBBN	71.40	P	03:17:28.583	0.0	18.3	5.98	TAS	321.7	1.43	a_e	mb	6.3
KAST	72.34	P	03:17:34.383	0.1	18.3	5.98	TAS	305.6	1.69	a_e	mb	6.2
MANZ	72.79	P	03:17:36.933	-0.0	18.3	5.98	TAS	40.3	1.35	a_e	mb	5.4
MOX	72.27	P	03:17:33.883	0.1	18.3	5.98	TAS	501.8	1.96	a_e	mb	6.3
MOX	72.27	L	03:52:51.171				T__	2446.5	21.60	a_e	Ms	5.4
NEUB	71.71	P	03:17:30.283	-0.2	18.3	5.98	TAS	608.8	1.83	a_e	mb	6.4
NRDL	70.80	P	03:17:24.933	-0.1	18.3	5.98	TAS	301.1	1.82	a_e	mb	6.1
PLN	72.31	P	03:17:34.183	0.1	18.3	5.98	TAS	211.0	1.35	a_e	mb	6.1
RETH	70.70	P	03:17:24.433	-0.0	18.3	5.98	TAS	386.2	1.66	a_e	mb	6.3
RGN	68.23	P	03:17:09.533	-0.2	18.3	5.98	TAS	758.7	1.43	a_e	mb	6.7
RJOB	74.78	P	03:17:48.983	0.2	18.3	5.98	TAS	85.3	0.93	a_e	mb	5.8
ROTZ	72.98	P	03:17:38.283	0.2	18.3	5.98	TAS	71.7	1.49	a_e	mb	5.6
RUE	70.09	P	03:17:20.683	-0.1	18.3	5.98	TAS	698.4	1.61	a_e	mb	6.5
STU	74.53	P	03:17:46.983	-0.4	18.3	5.98	TAS	555.7	1.52	a_e	mb	6.4
TANN	72.31	P	03:17:34.283	0.2	18.3	5.98	TAS	209.5	1.46	a_e	mb	6.1
TNS	73.28	P	03:17:39.983	0.1	18.3	5.98	TAS	292.2	1.69	a_e	mb	6.1
UBBA	72.42	P	03:17:34.783	0.1	18.3	5.98	TAS	162.9	1.15	a_e	mb	6.1
UBR	75.40	P	03:17:52.183	-0.4	18.3	5.98	TAS	338.0	1.52	a_e	mb	6.1
WERD	72.31	P	03:17:34.183	0.1	18.3	5.98	TAS	322.1	1.48	a_e	mb	6.2
WERN	72.45	P	03:17:35.133	0.2	18.3	5.98	TAS	445.0	1.76	a_e	mb	6.3
WET	73.43	P	03:17:41.133	0.4	18.3	5.98	TAS	386.0	1.63	a_e	mb	6.3
WLF	74.22	P	03:17:45.583	0.2	18.3	5.98	TAS	177.2	1.46	a_e	mb	5.9

Event 60414006 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	12:26:37.84			33.6980	131.8270				15.0			36		78.63	84.04	m i ke	BGR
OrigID 60414012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	60414012
Ms	6.6		BGR	60414012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.99		P	12:39:00.898	0.1	46.4		5.29		TAS		212.3	1.10	m_e	mb 6.3
ASSE	80.27		P	12:38:46.427	0.2	46.4		5.29		TAS		171.6	1.77	a_e	mb 5.7
BFO	84.02		P	12:39:05.987	-0.1	46.4		5.29		TAS		332.9	1.08	m_e	mb 6.5
BRG	79.62		P	12:38:42.777	-0.2	46.4		5.29		TAS		77.1	1.09	a_e	mb 5.5
BSEG	79.18		P	12:38:40.577	-0.3	46.4		5.29		TAS		104.4	0.97	a_e	mb 5.8
BUG	82.26		P	12:38:57.231	0.4	46.4		5.29		TAS		105.7	1.06	m_e	mb 5.9
CLL	79.77		P	12:38:43.618	0.4	46.4		5.29		TAS		208.0	0.97	m_e	mb 6.0
CLZ	80.61		P	12:38:48.577	-0.1	46.4		5.29		TAS		177.2	1.07	a_e	mb 6.0
FBE	79.87		P	12:38:44.739	-0.6	46.4		5.29		TAS		200.9	1.09	m_e	mb 6.0
FLT1	79.88		P	12:38:43.877	-0.1	46.4		5.29		TAS		165.2	0.96	a_e	mb 5.9
FUR	82.73		P	12:38:59.766	0.0	46.4		5.29		TAS		525.1	1.44	m_e	mb 6.6

GEC2	81.09	P	12:38:50.427	-0.0	46.4	5.29	TAS	61.7	1.01	a_e	mb	5.6
GRA1	81.70	P	12:38:54.527	0.3	46.4	5.29	TAS	355.2	1.14	a_e	mb	6.4
GRA1	81.70	L	13:19:24.243				T__	30432.7	18.40	a_e	Ms	6.7
GTTG	81.00	P	12:38:50.377	-0.4	46.4	5.29	TAS	132.7	0.94	a_e	mb	5.9
GUNZ	80.72	P	12:38:48.210	0.1	46.4	5.29	TAS	88.9	0.91	m_e	mb	5.8
HLG	80.03	P	12:38:44.927	0.0	46.4	5.29	TAS	99.7	1.03	a_e	mb	5.7
IBBN	81.43	P	12:38:52.626	-0.1	46.4	5.29	TAS	205.5	1.07	m_e	mb	6.1
KAST	81.93	P	12:38:55.495	0.3	46.4	5.29	TAS	75.9	0.92	m_e	mb	5.8
MANZ	81.08	P	12:38:50.777	0.5	46.4	5.29	TAS	20.4	1.05	a_e	mb	5.1
MOX	80.87	P	12:38:49.577	0.1	46.4	5.29	TAS	112.7	1.42	a_e	mb	5.7
MOX	80.87	L	13:18:23.837				T__	24987.5	21.20	a_e	Ms	6.5
NEUB	80.42	P	12:38:47.465	-0.1	46.4	5.29	TAS	298.2	1.06	m_e	mb	6.1
NRDL	80.27	P	12:38:46.477	-0.1	46.4	5.29	TAS	58.5	1.08	a_e	mb	5.4
PLN	80.72	P	12:38:48.827	-0.7	46.4	5.29	TAS	94.0	1.17	a_e	mb	5.7
RETH	80.43	P	12:38:47.127	0.3	46.4	5.29	TAS	154.3	1.22	a_e	mb	5.8
RJOB	82.28	P	12:38:57.541	0.0	46.4	5.29	TAS	111.2	1.03	m_e	mb	5.9
ROTZ	81.19	P	12:38:51.867	0.2	46.4	5.29	TAS	30.8	1.08	m_e	mb	5.3
RUE	78.63	P	12:38:38.191	-0.1	46.4	5.29	TAS	244.1	1.19	m_e	mb	6.1
STU	83.30	P	12:39:02.690	-0.5	46.4	5.29	TAS	437.0	1.02	m_e	mb	6.6
TANN	80.63	P	12:38:48.277	-0.1	46.4	5.29	TAS	72.9	1.11	a_e	mb	5.6
TNS	82.61	P	12:38:58.877	0.2	46.4	5.29	TAS	131.0	1.14	m_e	mb	6.1
UBBA	81.49	P	12:38:52.877	0.4	46.4	5.29	TAS	189.6	1.72	a_e	mb	5.8
UBR	83.64	P	12:39:03.777	-0.3	46.4	5.29	TAS	394.1	1.62	a_e	mb	6.4
WERD	80.68	P	12:38:48.577	-0.1	46.4	5.29	TAS	117.5	1.23	a_e	mb	5.8
WERN	80.75	P	12:38:49.127	-0.1	46.4	5.29	TAS	174.7	1.11	a_e	mb	6.0
WET	81.29	P	12:38:52.064	0.1	46.4	5.29	TAS	66.6	1.19	m_e	mb	5.5
WLF	84.04	P	12:39:06.277		46.4	5.29	TAS	200.3	0.93	a_e	mb	6.3

Event 60414007 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	13:07:36.08		33.2440	131.9100				10.0				36		79.05	84.46	m i ke	BGR
60414013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	60414013
Ms	5.6		BGR	60414013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.42		P	13:20:01.974	-0.1	46.6		5.26		TAS		144.2	1.24	a_e	mb	6.1
ASSE	80.69		P	13:19:47.724	-0.1	46.6		5.26		TAS		59.7	1.30	a_e	mb	5.5
BFO	84.43		P	13:20:06.874	0.1	46.6		5.26		TAS		217.3	1.16	a_e	mb	6.3
BRG	80.03		P	13:19:44.024	-0.4	46.6		5.26		TAS		70.7	1.27	a_e	mb	5.4
BSEG	79.61		P	13:19:41.724	-0.2	46.6		5.26		TAS		77.0	1.14	a_e	mb	5.5
BUG	82.68		P	13:19:57.824	0.2	46.6		5.26		TAS		83.8	1.26	a_e	mb	5.8
CLL	80.19		P	13:19:44.574	0.2	46.6		5.26		TAS		165.8	1.11	a_e	mb	5.9

CLZ	81.03	P	13:19:49.774	-0.0	46.6	5.26	TAS	157.0	1.19	m_e	mb	5.9
FBE	80.28	P	13:19:45.674	-0.5	46.6	5.26	TAS	194.2	1.21	a_e	mb	5.9
FLT1	80.30	P	13:19:45.104	0.1	46.6	5.26	TAS	139.5	1.17	m_e	mb	5.8
FUR	83.14	P	13:20:00.824	0.1	46.6	5.26	TAS	291.0	1.18	a_e	mb	6.4
GEC2	81.49	P	13:19:51.574	0.1	46.6	5.26	TAS	52.2	1.11	a_e	mb	5.5
GRA1	82.12	P	13:19:55.674	-0.0	46.6	5.26	TAS	282.2	1.25	a_e	mb	6.3
GRA1	82.12	L	14:00:31.098				T__	2374.2	19.00	a_e	Ms	5.6
GTTG	81.42	P	13:19:51.574	-0.3	46.6	5.26	TAS	90.9	1.05	a_e	mb	5.7
GUNZ	81.14	P	13:19:50.074	0.0	46.6	5.26	TAS	105.3	1.20	a_e	mb	5.7
HLG	80.46	P	13:19:46.324	0.1	46.6	5.26	TAS	143.8	1.56	a_e	mb	5.7
IBBN	81.85	P	13:19:53.474	0.1	46.6	5.26	TAS	96.4	1.15	a_e	mb	5.8
KAST	82.35	P	13:19:56.284	0.0	46.6	5.26	TAS	63.1	1.28	m_e	mb	5.6
MANZ	81.50	P	13:19:51.974	0.3	46.6	5.26	TAS	17.8	1.17	a_e	mb	5.0
MOX	81.28	P	13:19:50.774	0.2	46.6	5.26	TAS	72.6	1.26	a_e	mb	5.6
MOX	81.28	L	13:58:49.826				T__	2365.2	19.90	a_e	Ms	5.5
NEUB	80.83	P	13:19:48.324	0.0	46.6	5.26	TAS	222.5	1.18	a_e	mb	6.1
NRDL	80.69	P	13:19:47.547	-0.1	46.6	5.26	TAS	70.6	1.34	m_e	mb	5.5
PLN	81.13	P	13:19:49.974	0.2	46.6	5.26	TAS	74.8	1.20	a_e	mb	5.6
RETH	80.85	P	13:19:48.424	0.0	46.6	5.26	TAS	101.2	1.28	a_e	mb	5.7
RJOB	82.68	P	13:19:58.166	-0.2	46.6	5.26	TAS	113.5	1.22	m_e	mb	6.0
ROTZ	81.60	P	13:19:52.774	-0.2	46.6	5.26	TAS	34.5	1.30	a_e	mb	5.3
RUE	79.05	P	13:19:38.974	-0.1	46.6	5.26	TAS	265.3	1.36	a_e	mb	6.1
STU	83.71	P	13:20:03.464	-0.3	46.6	5.26	TAS	410.6	1.11	m_e	mb	6.6
TANN	81.04	P	13:19:49.524	0.4	46.6	5.26	TAS	71.9	1.30	a_e	mb	5.5
TNS	83.03	P	13:20:00.124	0.3	46.6	5.26	TAS	94.4	1.23	a_e	mb	5.9
UBBA	81.91	P	13:19:54.085	0.5	46.6	5.26	TAS	114.5	1.56	m_e	mb	5.8
UBR	84.04	P	13:20:04.974	-0.4	46.6	5.26	TAS	151.7	1.26	a_e	mb	6.1
WERD	81.09	P	13:19:49.724	0.1	46.6	5.26	TAS	83.9	1.22	a_e	mb	5.6
WERN	81.17	P	13:19:50.324	0.0	46.6	5.26	TAS	114.7	1.18	a_e	mb	5.8
WET	81.70	P	13:19:52.755	-0.2	46.6	5.26	TAS	42.3	1.23	m_e	mb	5.4
WLF	84.46	P	13:20:07.524		46.6	5.26	TAS	176.9	1.18	m_e	mb	6.2

Event 60414008 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	14:43:46.99			33.7410	130.7820				15.0			21		78.69	83.54	m i ke	BGR
OrigID 60414014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60414014
Ms	6.7		BGR	60414014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.49		P	14:56:08.618		47.1		5.33		TAS		11.1	0.85	m_e	mb	5.0
BFO	83.49		P	14:56:13.024		47.1		5.33		TAS		23.5	0.96	m_e	mb	5.4
BRG	79.09		P	14:55:50.068	-0.4	47.1		5.33		TAS		5.9	0.93	m_e	mb	4.6



BSEG	78.69	P	14:55:47.539	-0.2	47.1	5.33	TAS	5.9	0.74	m_e	mb	4.7
CLL	79.25	P	14:55:50.820	0.1	47.1	5.33	TAS	14.9	0.80	m_e	mb	5.1
CLZ	80.10	P	14:55:56.028	-0.1	47.1	5.33	TAS	10.5	0.88	m_e	mb	4.8
FBE	79.34	P	14:55:51.582	0.5	47.1	5.33	TAS	20.1	1.06	m_e	mb	5.1
FLT1	79.38	P	14:55:51.311	0.0	47.1	5.33	TAS	10.6	0.96	m_e	mb	4.8
GEC2	80.54	P	14:55:57.753		47.1	5.33	TAS	7.4	1.10	m_e	mb	4.6
GRA1	81.17	L	15:56:05.570				T__	28768.3	18.90	a_e	Ms	6.7
GUNZ	80.19	P	14:55:56.070	-0.1	47.1	5.33	TAS	7.3	0.93	m_e	mb	4.6
KAST	81.43	P	14:56:02.648		47.1	5.33	TAS	3.8	0.84	m_e	mb	4.5
MANZ	80.55	P	14:55:58.170	0.4	47.1	5.33	TAS	1.8	0.98	m_e	mb	4.1
MOX	80.34	P	14:55:56.921	-0.7	47.1	5.33	TAS	4.3	0.89	m_e	mb	4.4
MOX	80.34	L	15:55:46.408				T__	36890.6	18.30	a_e	Ms	6.8
NEUB	79.90	P	14:55:54.517	0.2	47.1	5.33	TAS	13.1	0.84	m_e	mb	4.9
RJOB	81.72	P	14:56:04.676		47.1	5.33	TAS	8.9	0.85	m_e	mb	4.9
ROTZ	80.65	P	14:55:58.829		47.1	5.33	TAS	1.9	1.00	m_e	mb	4.1
TANN	80.10	P	14:55:55.673	0.3	47.1	5.33	TAS	10.2	1.20	m_e	mb	4.6
TNS	82.10	P	14:56:06.157		47.1	5.33	TAS	12.3	1.11	m_e	mb	4.9
UBR	83.09	P	14:56:10.853		47.1	5.33	TAS	7.2	0.89	m_e	mb	4.9
WERN	80.22	P	14:55:56.411	0.3	47.1	5.33	TAS	14.0	1.02	m_e	mb	4.8
WET	80.74	P	14:55:59.279		47.1	5.33	TAS	3.0	0.87	m_e	mb	4.3
WLF	83.54	P	14:56:14.196		47.1	5.33	TAS	13.1	0.85	m_e	mb	5.2

Event 60414009 Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	15:03:47.86			33.0800	132.1850				10.0			33		79.31	84.72	m i ke	BGR
OrigID 60414015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	60414015
Ms	6.7		BGR	60414015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.68		P	15:16:15.757	0.3	46.5		5.24		TAS		55.7	0.91	a_e	mb 5.8
ASSE	80.96		P	15:16:01.646	0.0	46.5		5.24		TAS		8.1	0.95	m_e	mb 4.7
BFO	84.70		P	15:16:20.153		46.5		5.24		TAS		67.1	0.93	m_e	mb 5.9
BRG	80.30		P	15:15:57.259	-0.5	46.5		5.24		TAS		12.7	0.87	m_e	mb 4.9
BSEG	79.86		P	15:15:55.507	-0.5	46.5		5.24		TAS		25.2	0.91	a_e	mb 5.1
BUG	82.94		P	15:16:10.977	0.4	46.5		5.24		TAS		26.4	0.93	m_e	mb 5.5
CLL	80.45		P	15:15:57.973	-0.1	46.5		5.24		TAS		44.8	0.88	m_e	mb 5.4
CLZ	81.29		P	15:16:02.911	-0.1	46.5		5.24		TAS		67.7	0.94	m_e	mb 5.7
FBE	80.54		P	15:15:58.855	-0.2	46.5		5.24		TAS		36.7	0.94	m_e	mb 5.4
FLT1	80.56		P	15:15:58.857	-0.2	46.5		5.24		TAS		45.0	1.01	a_e	mb 5.4
FUR	83.41		P	15:16:14.607	-0.6	46.5		5.24		TAS		98.4	0.99	m_e	mb 6.0
GEC2	81.76		P	15:16:05.357	0.5	46.5		5.24		TAS		22.1	0.97	m_e	mb 5.3
GRA1	82.38		P	15:16:08.842	0.4	46.5		5.24		TAS		44.4	0.91	m_e	mb 5.6

GRA1	82.38	L	15:56:05.539							T__	28767.7	18.90	a_e	Ms	6.7
GTTG	81.68	P	15:16:04.978	0.3	46.5	5.24				TAS	39.9	0.86	m_e	mb	5.6
GUNZ	81.40	P	15:16:03.386	-0.3	46.5	5.24				TAS	26.2	0.89	m_e	mb	5.3
IBBN	82.11	P	15:16:07.207	-0.5	46.5	5.24				TAS	48.1	0.84	a_e	mb	5.7
KAST	82.61	P	15:16:09.107	0.6	46.5	5.24				TAS	15.6	0.90	a_e	mb	5.2
MANZ	81.76	P	15:16:05.063	0.1	46.5	5.24				TAS	6.2	0.93	m_e	mb	4.7
MOX	81.55	P	15:16:04.113	0.0	46.5	5.24				TAS	19.3	0.96	m_e	mb	5.2
MOX	81.55	L	15:55:46.415							T__	36891.5	18.30	a_e	Ms	6.8
NEUB	81.10	P	15:16:02.157	0.3	46.5	5.24				TAS	81.8	0.98	a_e	mb	5.7
NRDL	80.95	P	15:16:00.919	0.3	46.5	5.24				TAS	16.2	1.00	m_e	mb	5.0
RJOB	82.95	P	15:16:12.157	-0.2	46.5	5.24				TAS	23.2	0.95	a_e	mb	5.4
ROTZ	81.86	P	15:16:05.954	0.2	46.5	5.24				TAS	7.3	0.96	m_e	mb	4.8
RUE	79.31	P	15:15:52.807	0.2	46.5	5.24				TAS	71.6	1.03	a_e	mb	5.6
STU	83.98	P	15:16:16.785		46.5	5.24				TAS	166.2	0.89	m_e	mb	6.3
TANN	81.31	P	15:16:02.789	-0.2	46.5	5.24				TAS	35.7	1.20	m_e	mb	5.3
TNS	83.29	P	15:16:13.807	-0.6	46.5	5.24				TAS	29.9	0.92	a_e	mb	5.5
UBBA	82.17	P	15:16:07.957	0.5	46.5	5.24				TAS	10.2	0.86	a_e	mb	5.0
UBR	84.31	P	15:16:18.183		46.5	5.24				TAS	29.4	0.92	m_e	mb	5.5
WERD	81.36	P	15:16:03.557	-0.1	46.5	5.24				TAS	39.7	1.09	a_e	mb	5.4
WERN	81.43	P	15:16:03.451	-0.0	46.5	5.24				TAS	31.7	0.94	m_e	mb	5.3
WET	81.96	P	15:16:06.707	-0.7	46.5	5.24				TAS	11.1	0.88	a_e	mb	5.0
WLF	84.72	P	15:16:21.207		46.5	5.24				TAS	66.3	0.89	a_e	mb	5.9

Event 60414010 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	16:45:17.94			-21.9000	-173.8800				10.0			19		147.86	154.08	m i ke	BGR
60414016																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	150.44		PKPbc	17:05:09.647	0.3	8.1		2.41		TAS				m_e	
BSEG	147.86		PKPbc	17:05:02.327	0.0	8.1		2.41		TAS				m_e	
CLL	150.16		PKPbc	17:05:08.744	0.5	8.1		2.41		TAS				m_e	
FBE	150.49		PKPbc	17:05:09.725	-0.2	8.1		2.41		TAS				m_e	
FLT1	149.37		PKPbc	17:05:06.809	0.1	8.1		2.41		TAS				m_e	
GEC2	152.44		PKPbc	17:05:14.310		8.1		2.41		TAS				m_e	
GUNZ	151.18		PKPbc	17:05:11.663		8.1		2.41		TAS				m_e	
MANZ	151.57		PKPbc	17:05:12.496		8.1		2.41		TAS				m_e	
MOX	150.99		PKPbc	17:05:10.774	-0.2	8.1		2.41		TAS				m_e	
NEUB	150.43		PKPbc	17:05:09.575	0.3	8.1		2.41		TAS				m_e	
NRDL	149.30		PKPbc	17:05:06.605	0.0	8.1		2.41		TAS				m_e	
RJOB	153.67		PKPbc	17:05:16.498		8.1		2.41		TAS				m_e	
ROTZ	151.78		PKPbc	17:05:12.904		8.1		2.41		TAS				m_e	
TANN	151.11		PKPbc	17:05:11.271		8.1		2.41		TAS				m_e	

TNS	151.68	PKPbc	17:05:12.055	8.1	2.41	TAS	m_e
UBR	154.08	PKPbc	17:05:18.003	8.1	2.41	TAS	m_e
WERD	151.10	PKPbc	17:05:11.287	8.1	2.41	TAS	m_e
WERN	151.24	PKPbc	17:05:11.865	8.1	2.41	TAS	m_e
WLF	152.29	PKPbc	17:05:14.373	8.1	2.41	TAS	m_e

Event 60414011 New South Wales, Australia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/14	23:14:21.77			-29.2700	145.4800				200.0		24		137.48	142.16	m i ke	BGR
OrigID 60414017																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	142.16		PKPdf	23:33:30.569		75.4		1.86		TAS					m_e
BRG	138.02		PKPdf	23:33:23.316	-0.4	75.4		1.86		TAS					m_e
BSEG	139.34		PKPdf	23:33:25.948	0.2	75.4		1.86		TAS					m_e
CLL	138.50		PKPdf	23:33:23.873	0.1	75.4		1.86		TAS					m_e
CLZ	139.95		PKPdf	23:33:26.990	0.0	75.4		1.86		TAS					m_e
FLT1	139.30		PKPdf	23:33:25.559	-0.2	75.4		1.86		TAS					m_e
FUR	140.28		PKPdf	23:33:27.868		75.4		1.86		TAS					m_e
GEC2	138.57		PKPdf	23:33:24.577	0.1	75.4		1.86		TAS					m_e
GRA1	139.99		PKPdf	23:33:27.298	0.2	75.4		1.86		TAS					m_e
GTTG	140.28		PKPdf	23:33:28.050		75.4		1.86		TAS					m_e
GUNZ	139.14		PKPdf	23:33:25.593	0.1	75.4		1.86		TAS					m_e
KAST	141.31		PKPdf	23:33:29.533		75.4		1.86		TAS					m_e
MANZ	139.36		PKPdf	23:33:26.090	0.0	75.4		1.86		TAS					m_e
MOX	139.51		PKPdf	23:33:26.200	0.5	75.4		1.86		TAS					m_e
NEUB	139.28		PKPdf	23:33:25.783	0.1	75.4		1.86		TAS					m_e
NRDL	139.92		PKPdf	23:33:27.024	-0.1	75.4		1.86		TAS					m_e
NRDL	139.92		pPKPdf	23:34:18.736						T__					m_e
RGN	137.48		PKPdf	23:33:22.286	-0.2	75.4		1.86		TAS					m_e
RJOB	139.35		PKPdf	23:33:25.860	0.3	75.4		1.86		TAS					m_e
ROTZ	139.35		PKPdf	23:33:25.467	0.1	75.4		1.86		TAS					m_e
ROTZ	139.35		pPKPdf	23:34:17.788						T__					m_e
TANN	139.04		PKPdf	23:33:25.323	0.2	75.4		1.86		TAS					m_e
TNS	141.58		PKPdf	23:33:30.141		75.4		1.86		TAS					m_e
UBR	141.15		PKPdf	23:33:29.201		75.4		1.86		TAS					m_e
WERN	139.12		PKPdf	23:33:25.613	-0.1	75.4		1.86		TAS					m_e
WET	139.04		PKPdf	23:33:25.450	0.2	75.4		1.86		TAS					m_e

Event 60415001 Vanuatu Islands

./2016/bull1604.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
2016/04/15	03:43:13.61			-14.9460	166.3450				33.0					139.85	139.85	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
GRA1	139.85		PKPdf	04:02:36.240		17.7		1.09		TAS				m_e	

Event 60415003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	10:41:50.52			-24.6030	179.9640				547.0				17	149.70	155.41	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
BFO	155.41		PKPdf	11:00:52.528		11.7		1.74		TAS				m_e	
BRG	151.64		PKPdf	11:00:46.059	-0.4	11.7		1.74		TAS				m_e	
BSEG	149.70		PKPdf	11:00:41.792	-0.3	11.7		1.74		TAS				m_e	
CLL	151.51		PKPdf	11:00:45.656	-0.3	11.7		1.74		TAS				m_e	
CLZ	151.66		PKPdf	11:00:45.408	0.7	11.7		1.74		TAS				m_e	
FBE	151.76		PKPdf	11:00:46.461	-0.1	11.7		1.74		TAS				m_e	
FLT1	151.01		PKPdf	11:00:44.247	-0.4	11.7		1.74		TAS				m_e	
GTTG	152.03		PKPdf	11:00:46.243	0.2	11.7		1.74		TAS				m_e	
GUNZ	152.55		PKPdf	11:00:48.015	0.6	11.7		1.74		TAS				m_e	
HLG	149.87		PKPdf	11:00:41.920	0.2	11.7		1.74		TAS				m_e	
MANZ	152.95		PKPdf	11:00:48.836	0.4	11.7		1.74		TAS				m_e	
MOX	152.48		PKPdf	11:00:47.629	0.2	11.7		1.74		TAS				m_e	
NRDL	151.10		PKPdf	11:00:44.610	0.0	11.7		1.74		TAS				m_e	
RJOB	154.76		PKPdf	11:00:52.446		11.7		1.74		TAS				m_e	
ROTZ	153.13		PKPdf	11:00:49.199	0.4	11.7		1.74		TAS				m_e	
RUE	150.25		PKPdf	11:00:43.471	-0.8	11.7		1.74		TAS				m_e	
TANN	152.47		PKPdf	11:00:47.588	-0.0	11.7		1.74		TAS				m_e	
WERD	152.48		PKPdf	11:00:47.757	0.3	11.7		1.74		TAS				m_e	

Event 60415005 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	14:11:32.05			13.4920	-92.1390				33.0				10	84.95	90.08	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	60415011
MBB	6.4		BGR	60415011
Ms	5.7		BGR	60415011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.46		P	14:24:03.270	-0.2	288.0		4.84		TAS		249.0	2.09	m_e	MBB	6.5
ASSE	87.16		P	14:24:11.618		288.0		4.84		TAS		223.5	1.79	m_e	MBB	6.3
BFO	86.86		P	14:24:09.779		288.0		4.84		TAS		49.3	1.24	m_e	MBB	6.2
BRG	89.51		P	14:24:22.825		288.0		4.84		TAS		174.0	2.12	m_e	MBB	6.3
BSEG	86.39		P	14:24:07.844	-0.1	288.0		4.84		TAS		192.0	1.37	m_e	MBB	6.4
BUG	85.34		P	14:24:02.637	-0.0	288.0		4.84		TAS		104.0	1.67	m_e	MBB	6.5
CLL	88.80		P	14:24:19.701		288.0		4.84		TAS		136.2	1.84	m_e	MBB	6.3
CLZ	87.07		P	14:24:11.248		288.0		4.84		TAS		416.4	2.28	m_e	MBB	6.4
FBE	89.14		P	14:24:21.514		288.0		4.84		TAS		201.7	1.83	m_e	MBB	6.3
FLT1	87.42		P	14:24:12.976		288.0		4.84		TAS		248.4	1.82	m_e	MBB	6.3
FUR	88.79		P	14:24:19.444		288.0		4.84		TAS				m_e		
GEC2	90.08		P	14:24:25.627		288.0		4.84		TAS		197.7	2.17	m_e	MBB	6.3
GRA1	88.26		P	14:24:17.050		288.0		4.84		TAS		51.2	0.77	m_e	MBB	6.6
GRA1	88.26		L	15:01:03.297						T__		2868.7	21.80	a_e	Ms	5.6
GTTG	86.92		P	14:24:10.334	-0.0	288.0		4.84		TAS		132.5	1.26	m_e	MBB	6.3
GUNZ	88.72		P	14:24:19.190		288.0		4.84		TAS		210.4	1.89	m_e	MBB	6.2
HLG	84.95		P	14:24:00.825	-0.0	288.0		4.84		TAS		295.4	1.47	m_e	MBB	6.7
IBBN	85.39		P	14:24:02.986	-0.0	288.0		4.84		TAS		133.4	1.47	m_e	MBB	6.6
KAST	86.10		P	14:24:06.356	-0.0	288.0		4.84		TAS		91.2	1.41	m_e	MBB	6.3
MANZ	88.71		P	14:24:19.177		288.0		4.84		TAS		36.1	1.89	m_e	MBB	5.7
MOX	88.19		P	14:24:16.546		288.0		4.84		TAS		56.3	1.38	m_e	MBB	6.5
MOX	88.19		L	15:06:41.215						T__		3656.1	18.90	a_e	Ms	5.8
NEUB	88.11		P	14:24:16.162		288.0		4.84		TAS		70.5	1.46	m_e	MBB	6.6
NRDL	86.72		P	14:24:09.335		288.0		4.84		TAS		248.4	1.76	m_e	MBB	6.5
PLN	88.57		P	14:24:18.492		288.0		4.84		TAS		179.5	1.80	m_e	MBB	6.4
RETH	86.21		P	14:24:07.023	-0.0	288.0		4.84		TAS		302.7	1.82	m_e	MBB	6.5
RGN	87.86		P	14:24:15.165		288.0		4.84		TAS		288.6	1.43	m_e	MBB	6.8
RJOB	89.90		P	14:24:24.541		288.0		4.84		TAS		183.1	2.15	m_e	MBB	6.2
ROTZ	88.84		P	14:24:20.153		288.0		4.84		TAS		43.8	1.88	m_e	MBB	5.8
RUE	88.84		P	14:24:20.002		288.0		4.84		TAS				m_e		
STU	87.28		P	14:24:11.988		288.0		4.84		TAS		917.3	2.30	m_e	MBB	6.8
TANN	88.78		P	14:24:19.489		288.0		4.84		TAS		225.5	1.96	m_e	MBB	6.4
TNS	86.40		P	14:24:07.743	-0.0	288.0		4.84		TAS		153.8	1.44	m_e	MBB	6.4
UBBA	87.17		P	14:24:11.643		288.0		4.84		TAS		257.2	2.06	m_e	MBB	6.3
UBR	88.20		P	14:24:16.434		288.0		4.84		TAS		248.6	2.15	m_e	MBB	6.5
WERD	88.68		P	14:24:19.099		288.0		4.84		TAS		186.4	1.82	m_e	MBB	6.2
WERN	88.77		P	14:24:19.326		288.0		4.84		TAS		218.6	1.82	m_e	MBB	6.2
WET	89.47		P	14:24:22.858		288.0		4.84		TAS		244.6	1.88	m_e	MBB	6.4
WLF	85.12		P	14:24:01.440	0.1	288.0		4.84		TAS		41.3	1.07	m_e	MBB	6.5

Event 60415007 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	16:25:04.55			32.8400	130.1100				10.0			37		77.43	83.99	m i ke	BGR
OrigID 60415013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	60415013
MBB	6.9		BGR	60415013
Ms	7.9		BGR	60415013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.95		P	16:37:33.209	-0.2	47.7		5.21		TAS		101.1	1.21	m_e	MBB	7.1
ASSE	80.22		P	16:37:18.902	0.5	47.7		5.21		TAS		48.2	1.44	m_e	MBB	6.7
BFO	83.91		P	16:37:37.785		47.7		5.21		TAS		195.9	1.37	m_e	MBB	7.2
BRG	79.49		P	16:37:14.947	0.1	47.7		5.21		TAS		54.7	1.37	m_e	MBB	6.8
BSEG	79.17		P	16:37:13.296	0.4	47.7		5.21		TAS		76.8	1.40	m_e	MBB	6.9
BUG	82.23		P	16:37:28.716	0.6	47.7		5.21		TAS		95.9	1.46	m_e	MBB	7.0
CLL	79.67		P	16:37:15.390	-1.0	47.7		5.21		TAS		151.8	1.43	m_e	MBB	6.8
CLZ	80.55		P	16:37:19.585	-0.6	47.7		5.21		TAS		148.6	1.45	m_e	MBB	6.9
FBE	79.75		P	16:37:15.826	-0.3	47.7		5.21		TAS		142.5	1.48	m_e	MBB	6.7
FLT1	79.82		P	16:37:15.631	-0.8	47.7		5.21		TAS		107.8	1.45	m_e	MBB	6.8
FUR	82.58		P	16:37:30.569	-2.2	47.7		5.21		TAS		369.8	1.79	m_e	MBB	7.3
GEC2	80.92		P	16:37:21.708	-0.6	47.7		5.21		TAS		42.1	1.67	m_e	MBB	6.7
GRA1	81.59		P	16:37:25.665	-0.1	47.7		5.21		TAS		125.7	1.57	m_e	mb	5.8
GRA1	81.59		L	17:18:00.341						T__	614163.0	19.50	a_e	Ms	8.0	
GTTG	80.94		P	16:37:22.514	0.3	47.7		5.21		TAS		69.8	1.13	m_e	MBB	6.9
GUNZ	80.61		P	16:37:21.099	0.5	47.7		5.21		TAS		83.9	1.41	m_e	MBB	6.4
HLG	80.05		P	16:37:17.119	-2.2	47.7		5.21		TAS		115.2	1.32	m_e	MBB	6.8
IBBN	81.41		P	16:37:24.713	0.8	47.7		5.21		TAS		98.2	1.31	m_e	MBB	6.9
KAST	81.88		P	16:37:26.567	-0.8	47.7		5.21		TAS		35.1	1.14	m_e	MBB	6.9
MANZ	80.96		P	16:37:23.051	0.6	47.7		5.21		TAS		10.6	1.28	m_e	MBB	6.3
MOX	80.77		P	16:37:20.952	-0.5	47.7		5.21		TAS		51.2	1.39	m_e	MBB	6.9
MOX	80.77		L	17:17:10.594						T__	560235.0	20.70	a_e	Ms	7.9	
NEUB	80.33		P	16:37:19.585	0.5	47.7		5.21		TAS		178.2	1.37	m_e	MBB	6.9
NRDL	80.23		P	16:37:18.706	0.2	47.7		5.21		TAS		53.0	1.40	m_e	MBB	6.8
PLN	80.61		P	16:37:20.073	-0.5	47.7		5.21		TAS		49.6	1.36	m_e	MBB	6.8
RETH	80.40		P	16:37:19.159	-0.2	47.7		5.21		TAS		71.1	1.33	m_e	MBB	6.8
RGN	77.43		P	16:37:04.137	-2.2	47.7		5.21		TAS		103.7	1.22	m_e	MBB	7.1
RJOB	82.10		P	16:37:28.228	0.2	47.7		5.21		TAS		110.7	1.62	m_e	MBB	7.0
ROTZ	81.06		P	16:37:22.466	-0.5	47.7		5.21		TAS		24.5	1.44	m_e	MBB	6.3
RUE	78.55		P	16:37:09.069	3.8	47.7		5.21		TAS		154.9	1.26	m_e	MBB	7.1
STU	83.19		P	16:37:34.818	-0.1	47.7		5.21		TAS		280.0	1.22	m_e	MBB	7.5
TANN	80.51		P	16:37:19.634	-0.5	47.7		5.21		TAS		36.5	1.56	m_e	MBB	6.8
TNS	82.54		P	16:37:30.766	0.2	47.7		5.21		TAS				m_e		
UBBA	81.41		P	16:37:24.858	0.1	47.7		5.21		TAS		100.9	1.70	m_e	MBB	6.9
UBR	83.49		P	16:37:35.503	-1.2	47.7		5.21		TAS		92.3	1.25	m_e	MBB	7.1
WERD	80.56		P	16:37:20.708	0.3	47.7		5.21		TAS		61.8	1.32	m_e	MBB	6.6

WERN	80.64	P	16:37:20.415	-0.3	47.7	5.21	TAS	80.9	1.44	m_e	MBB	6.4
WET	81.14	P	16:37:24.367	0.9	47.7	5.21	TAS	35.2	1.36	m_e	MBB	6.8
WLF	83.99	P	16:37:38.702		47.7	5.21	TAS	177.9	1.33	m_e	MBB	7.2

Event 60415008 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	16:45:59.77			32.9560	130.9390				19.5	1.4		13		78.84	84.27	m i ke	BGR
OrigID 60415014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60415014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.23		P	16:56:33.475	-0.6	47.6		5.29		TAS		47.8	1.09	m_e	mb	5.6
AHRW	83.23		pP	16:56:38.788	-0.6					T__				m_e		
ASSE	80.50		P	16:56:18.875	-0.6	47.6		5.29		TAS		54.9	1.71	m_e	mb	5.2
BFO	84.21		P	16:56:38.303		47.6		5.29		TAS		69.1	1.09	m_e	mb	5.8
BFO	84.21		pP	16:56:43.734	-0.6					T__				m_e		
BRG	79.80		P	16:56:15.171	-0.6	47.6		5.29		TAS		31.2	1.65	m_e	mb	5.0
BSEG	79.43		P	16:56:12.931	-0.1	47.6		5.29		TAS		34.0	1.63	m_e	mb	5.1
BSEG	79.43		pP	16:56:18.825	-0.6					T__				m_e		
BUG	82.50		P	16:56:29.479	-0.6	47.6		5.29		TAS		32.1	1.25	m_e	mb	5.4
BUG	82.50		pP	16:56:34.791	-0.6					T__				m_e		
CLL	79.97		P	16:56:15.785	0.4	47.6		5.29		TAS		33.7	0.99	m_e	mb	5.2
CLZ	80.83		P	16:56:20.860	-0.1	47.6		5.29		TAS		52.8	1.15	m_e	mb	5.5
FBE	80.05		P	16:56:16.457	-0.6	47.6		5.29		TAS		32.1	1.11	m_e	mb	5.2
FBE	80.05		pP	16:56:22.483	-0.6					T__				m_e		
FLT1	80.11		P	16:56:16.683	0.0	47.6		5.29		TAS		46.0	1.15	m_e	mb	5.3
FUR	82.90		P	16:56:31.606	-0.6	47.6		5.29		TAS		111.4	1.33	m_e	mb	5.9
FUR	82.90		pP	16:56:37.196	-0.6					T__				m_e		
GEC2	81.24		P	16:56:23.095	-0.6	47.6		5.29		TAS				m_e		
GRA1	81.89		P	16:56:26.331	-0.6	47.6		5.29		TAS		97.0	1.36	m_e	mb	5.8
GTTG	81.22		P	16:56:22.850	-0.6	47.6		5.29		TAS		35.3	1.13	m_e	mb	5.3
GTTG	81.22		pP	16:56:28.559	-0.6					T__				m_e		
GUNZ	80.91		P	16:56:21.407	-0.6	47.6		5.29		TAS		50.5	1.41	m_e	mb	5.4
KAST	82.16		P	16:56:27.769	-0.6	47.6		5.29		TAS		17.7	1.17	m_e	mb	5.1
MANZ	81.27		P	16:56:23.080		47.6		5.29		TAS		4.2	1.22	m_e	mb	4.3
MOX	81.06		P	16:56:22.155	-0.6	47.6		5.29		TAS		14.9	1.55	m_e	mb	4.8
NEUB	80.62		P	16:56:19.472	0.1	47.6		5.29		TAS		66.5	1.10	m_e	mb	5.6
NRDL	80.51		P	16:56:18.747	-0.6	47.6		5.29		TAS		48.5	1.62	m_e	mb	5.3
PLN	80.91		P	16:56:21.444	-0.6	47.6		5.29		TAS		30.7	1.32	m_e	mb	5.2
RETH	80.67		P	16:56:19.787	-0.6	47.6		5.29		TAS		42.3	1.41	m_e	mb	5.3
RJOB	82.43		P	16:56:29.247	-0.6	47.6		5.29		TAS		33.9	1.34	m_e	mb	5.3
ROTZ	81.37		P	16:56:23.656	-0.6	47.6		5.29		TAS		8.4	1.24	m_e	mb	4.6
RUE	78.84		P	16:56:10.077	0.1	47.6		5.29		TAS		46.8	1.20	m_e	mb	5.4

RUE	78.84	pP	16:56:16.022	-0.6						T__						m_e	
STU	83.49	P	16:56:34.537		47.6		5.29			TAS	145.0	1.12	m_e	mb		6.1	
TANN	80.81	P	16:56:20.627	-0.6	47.6		5.29			TAS	23.3	1.45	m_e	mb		5.0	
TNS	82.83	P	16:56:31.253	-0.6	47.6		5.29			TAS	32.8	1.27	m_e	mb		5.4	
TNS	82.83	pP	16:56:36.843	-0.6						T__						m_e	
UBBA	81.70	P	16:56:25.260		47.6		5.29			TAS	51.4	1.62	m_e	mb		5.4	
UBBA	81.70	pP	16:56:30.914	-0.6						T__						m_e	
UBR	83.81	P	16:56:35.925		47.6		5.29			TAS	40.9	1.16	m_e	mb		5.5	
UBR	83.81	pP	16:56:41.514	-0.6						T__						m_e	
WERD	80.87	P	16:56:21.095	-0.6	47.6		5.29			TAS	37.6	1.26	m_e	mb		5.3	
WERD	80.87	pP	16:56:26.923	-0.6						T__						m_e	
WERN	80.94	P	16:56:21.484	-0.6	47.6		5.29			TAS	34.8	1.29	m_e	mb		5.2	
WET	81.45	P	16:56:24.131	-0.6	47.6		5.29			TAS	24.4	1.34	m_e	mb		5.1	
WLF	84.27	P	16:56:38.977		47.6		5.29			TAS	56.2	1.06	m_e	mb		5.7	
WLF	84.27	pP	16:56:44.201	-0.6						T__						m_e	

Event 60415009 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	16:45:59.77		32.9560	130.9390				10.0				22		78.84	84.27	m i ke	BGR
60415015																	

Magnitude Err Nsta Author OrigID  
mb 5.8 BGR 60415015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.23		P	16:58:21.884		45.7		5.25		TAS		87.3	1.17	m_e	mb	5.9
ASSE	80.50		P	16:58:07.098	-0.3	45.7		5.25		TAS				m_e		
BFO	84.21		P	16:58:27.366		45.7		5.25		TAS	233.1	1.24	m_e	mb	6.3	
BRG	79.80		P	16:58:03.676	-0.5	45.7		5.25		TAS	78.1	1.33	m_e	mb	5.5	
BSEG	79.43		P	16:58:01.060	-0.4	45.7		5.25		TAS	61.9	1.07	m_e	mb	5.6	
BUG	82.50		P	16:58:17.966		45.7		5.25		TAS				m_e		
CLL	79.97		P	16:58:04.582	-0.3	45.7		5.25		TAS	173.4	1.23	m_e	mb	5.8	
CLZ	80.83		P	16:58:09.489	0.3	45.7		5.25		TAS	138.3	1.25	m_e	mb	5.8	
FBE	80.05		P	16:58:05.488	0.1	45.7		5.25		TAS	243.5	1.35	m_e	mb	6.0	
FLT1	80.11		P	16:58:05.035	-0.6	45.7		5.25		TAS	127.1	1.28	m_e	mb	5.7	
FUR	82.90		P	16:58:20.834		45.7		5.25		TAS	362.9	1.36	m_e	mb	6.4	
GEC2	81.24		P	16:58:12.172	0.6	45.7		5.25		TAS	59.3	1.18	m_e	mb	5.5	
GRA1	81.89		P	16:58:15.249		45.7		5.25		TAS	316.3	1.34	m_e	mb	6.3	
GTTG	81.22		P	16:58:11.488	0.6	45.7		5.25		TAS				m_e		
GUNZ	80.91		P	16:58:10.217	-0.2	45.7		5.25		TAS	104.9	1.27	m_e	mb	5.7	
IBBN	81.67		P	16:58:13.570	0.6	45.7		5.25		TAS	66.2	1.08	m_e	mb	5.7	
KAST	82.16		P	16:58:16.255		45.7		5.25		TAS				m_e		
MANZ	81.27		P	16:58:12.330	0.6	45.7		5.25		TAS	19.5	1.29	m_e	mb	5.0	
MOX	81.06		P	16:58:11.018	0.6	45.7		5.25		TAS	81.6	1.37	m_e	mb	5.6	
NEUB	80.62		P	16:58:08.255	0.5	45.7		5.25		TAS				m_e		



NRDL	80.51	P	16:58:07.473	-0.6	45.7	5.25	TAS	104.9	1.76	m_e	mb	5.6
PLN	80.91	P	16:58:10.497	0.6	45.7	5.25	TAS	77.2	1.29	m_e	mb	5.6
RETH	80.67	P	16:58:08.313	-0.1	45.7	5.25	TAS			m_e		
RJOB	82.43	P	16:58:18.640		45.7	5.25	TAS	118.1	1.33	m_e	mb	5.8
ROTZ	81.37	P	16:58:12.834	0.6	45.7	5.25	TAS	35.7	1.32	m_e	mb	5.2
RUE	78.84	P	16:57:58.834	0.3	45.7	5.25	TAS			m_e		
STU	83.49	P	16:58:23.401		45.7	5.25	TAS			m_e		
TANN	80.81	P	16:58:09.681	0.3	45.7	5.25	TAS	69.2	1.30	m_e	mb	5.5
TNS	82.83	P	16:58:19.923		45.7	5.25	TAS			m_e		
UBBA	81.70	P	16:58:13.914		45.7	5.25	TAS	95.5	1.53	m_e	mb	5.7
UBR	83.81	P	16:58:25.144		45.7	5.25	TAS	197.6	1.42	m_e	mb	6.1
WERD	80.87	P	16:58:09.984	0.3	45.7	5.25	TAS			m_e		
WERN	80.94	P	16:58:10.620	0.2	45.7	5.25	TAS	129.6	1.28	m_e	mb	5.8
WET	81.45	P	16:58:13.287	0.6	45.7	5.25	TAS	200.0	2.31	m_e	mb	5.7
WLF	84.27	P	16:58:27.627		45.7	5.25	TAS	187.3	1.63	m_e	mb	6.1

Event 60415010 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	18:03:14.06		32.9980	131.0330				10.0				19		79.44	84.28	m i ke	BGR
60415016																	

Magnitude Err Nsta Author  
mb 5.0 BGR 60415016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.23		P	18:15:38.681		46.2		5.26		TAS		14.4	0.80	m_e	mb 5.3
BFO	84.22		P	18:15:43.941		46.2		5.26		TAS				m_e	
BRG	79.81		P	18:15:20.741	-0.4	46.2		5.26		TAS				m_e	
BSEG	79.44		P	18:15:18.440	-0.2	46.2		5.26		TAS		13.7	0.96	m_e	mb 5.0
CLL	79.98		P	18:15:21.540	-0.3	46.2		5.26		TAS				m_e	
CLZ	80.84		P	18:15:25.990	0.4	46.2		5.26		TAS		19.5	1.10	m_e	mb 5.0
FBE	80.06		P	18:15:22.103	-0.3	46.2		5.26		TAS				m_e	
FLT1	80.11		P	18:15:22.300	-0.1	46.2		5.26		TAS		19.9	1.15	m_e	mb 4.9
FUR	82.91		P	18:15:37.678		46.2		5.26		TAS				m_e	
GEC2	81.26		P	18:15:28.712		46.2		5.26		TAS				m_e	
GRA1	81.90		P	18:15:32.059		46.2		5.26		TAS		24.3	1.11	m_e	mb 5.2
GTTG	81.23		P	18:15:28.089		46.2		5.26		TAS		10.4	0.82	m_e	mb 4.9
GUNZ	80.92		P	18:15:26.785		46.2		5.26		TAS				m_e	
IBBN	81.68		P	18:15:30.509		46.2		5.26		TAS		22.4	1.11	m_e	mb 5.2
KAST	82.16		P	18:15:33.091		46.2		5.26		TAS				m_e	
MANZ	81.28		P	18:15:28.683		46.2		5.26		TAS				m_e	
MOX	81.07		P	18:15:27.454		46.2		5.26		TAS				m_e	
NEUB	80.63		P	18:15:25.093	0.1	46.2		5.26		TAS				m_e	
NRDL	80.51		P	18:15:24.386	0.2	46.2		5.26		TAS				m_e	
PLN	80.92		P	18:15:26.667		46.2		5.26		TAS				m_e	

RETH	80.68	P	18:15:25.153	0.2	46.2	5.26	TAS	10.0	1.06	m_e	mb	4.8
RJOB	82.44	P	18:15:34.969		46.2	5.26	TAS			m_e		
ROTZ	81.38	P	18:15:29.088		46.2	5.26	TAS			m_e		
TANN	80.83	P	18:15:26.147	0.3	46.2	5.26	TAS			m_e		
TNS	82.84	P	18:15:36.615		46.2	5.26	TAS	7.2	0.92	m_e	mb	4.9
UBBA	81.71	P	18:15:30.744		46.2	5.26	TAS			m_e		
UBR	83.82	P	18:15:41.998		46.2	5.26	TAS			m_e		
WERD	80.88	P	18:15:26.639		46.2	5.26	TAS			m_e		
WERN	80.95	P	18:15:27.091		46.2	5.26	TAS			m_e		
WET	81.47	P	18:15:29.846		46.2	5.26	TAS			m_e		
WLF	84.28	P	18:15:44.457		46.2	5.26	TAS			m_e		

Event 60415011 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	18:55:56.07		32.9140	131.1480				10.0				23		79.56	84.40	m i ke	BGR
OrigID 60415017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60415017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.36		P	19:08:20.807	-0.8	45.7		5.34		TAS		7.2	0.89	m_e	mb 4.9
BFO	84.35		P	19:08:25.620		45.7		5.34		TAS		7.0	0.77	m_e	mb 5.0
BRG	79.94		P	19:08:02.501	0.2	45.7		5.34		TAS				m_e	
BSEG	79.56		P	19:07:59.887	0.1	45.7		5.34		TAS		4.1	0.72	m_e	mb 4.5
CLL	80.10		P	19:08:03.017	-0.3	45.7		5.34		TAS		6.5	0.87	m_e	mb 4.6
CLZ	80.96		P	19:08:07.596	0.2	45.7		5.34		TAS		9.2	0.99	m_e	mb 4.8
FBE	80.19		P	19:08:03.640	-0.1	45.7		5.34		TAS				m_e	
FLT1	80.24		P	19:08:03.709	-0.6	45.7		5.34		TAS		4.7	0.84	m_e	mb 4.4
GEC2	81.38		P	19:08:10.078	0.3	45.7		5.34		TAS	306.4	2.80	2.80	m_e	mb 5.8
GRA1	82.03		P	19:08:14.162	0.1	45.7		5.34		TAS		7.6	0.86	m_e	mb 4.8
GTTG	81.35		P	19:08:09.801	0.3	45.7		5.34		TAS		10.7	1.02	m_e	mb 4.8
GUNZ	81.05		P	19:08:08.347	0.2	45.7		5.34		TAS		2.5	0.74	m_e	mb 4.3
HLG	80.42		P	19:08:03.709	0.0	45.7		5.34		TAS		31.4	0.90	m_e	mb 5.2
IBBN	81.80		P	19:08:11.877	0.2	45.7		5.34		TAS		7.7	0.88	m_e	mb 4.8
KAST	82.29		P	19:08:14.923	0.1	45.7		5.34		TAS		2.3	0.80	m_e	mb 4.4
MANZ	81.40		P	19:08:10.770	-0.0	45.7		5.34		TAS				m_e	
MOX	81.20		P	19:08:09.385	-0.5	45.7		5.34		TAS		2.3	0.89	m_e	mb 4.2
NRDL	80.63		P	19:08:05.611	0.2	45.7		5.34		TAS		2.0	0.85	m_e	mb 4.2
RJOB	82.57		P	19:08:17.069	0.4	45.7		5.34		TAS		2.2	0.84	m_e	mb 4.4
ROTZ	81.50		P	19:08:11.324	0.4	45.7		5.34		TAS		0.6	0.82	m_e	mb 3.8
TANN	80.95		P	19:08:08.001	-0.1	45.7		5.34		TAS				m_e	
TNS	82.96		P	19:08:18.523	-0.1	45.7		5.34		TAS		7.0	1.13	m_e	mb 4.8
UBR	83.94		P	19:08:23.992	0.0	45.7		5.34		TAS		2.3	0.72	m_e	mb 4.5
WERN	81.07		P	19:08:08.901	0.0	45.7		5.34		TAS				m_e	

WLF 84.40 P 19:08:25.999 45.7 5.34 TAS 9.2 0.82 m\_e mb 5.1

## Event 60415012 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	18:55:56.07			32.9140	131.1480				10.0					82.03	82.03	m i ke	BGR
OrigID 60415018																	

Magnitude Err Nsta Author OrigID  
mb 5.4 BGR 60415018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.03		P	19:11:28.621		37.3		7.21		TAS		73.2	2.34	m_e mb	5.4

## Event 60415013 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	22:11:40.83			33.2900	131.3480				10.0					81.81	81.81	m i ke	BGR
OrigID 60415019																	

Magnitude Err Nsta Author OrigID  
mb 5.2 BGR 60415019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.81		P	22:24:00.491		52.3		4.64		TAS		32.6	1.48	m_e mb	5.2

## Event 60415014 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	22:24:02.77			32.5830	130.9980				65.3				14	79.78	84.61	m i ke	BGR
OrigID 60415020																	

Magnitude Err Nsta Author OrigID  
mb 4.8 BGR 60415020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.57		P	22:36:21.477		47.1		5.22		TAS		12.0	0.89	m_e mb	5.1
BFO	84.55		P	22:36:26.445		47.1		5.22		TAS		18.0	0.88	m_e mb	5.3
BRG	80.13		P	22:36:03.278	-0.4	47.1		5.22		TAS		3.0	0.87	m_e mb	4.2
BSEG	79.78		P	22:36:01.089	0.1	47.1		5.22		TAS		6.3	0.94	m_e mb	4.5

CLL	80.30	P	22:36:04.255	0.1	47.1	5.22	TAS	13.1	0.92	m_e	mb	4.9
CLZ	81.17	P	22:36:08.929		47.1	5.22	TAS	16.3	1.03	m_e	mb	5.0
FBE	80.39	P	22:36:04.499	0.1	47.1	5.22	TAS	12.1	1.04	m_e	mb	4.8
FLT1	80.45	P	22:36:04.841	0.0	47.1	5.22	TAS	6.8	0.79	m_e	mb	4.6
FUR	83.23	P	22:36:19.550	3.0	47.1	5.22	TAS			m_e		
GEC2	81.57	P	22:36:11.391		47.1	5.22	TAS	4.1	0.86	m_e	mb	4.6
GRA1	82.23	P	22:36:14.561		47.1	5.22	TAS	15.8	0.91	m_e	mb	5.1
GUNZ	81.24	P	22:36:09.451	0.2	47.1	5.22	TAS	7.5	0.98	m_e	mb	4.7
IBBN	82.02	P	22:36:13.370		47.1	5.22	TAS	10.5	0.85	m_e	mb	5.0
KAST	82.50	P	22:36:15.853		47.1	5.22	TAS	4.9	0.82	m_e	mb	4.7
MANZ	81.60	P	22:36:11.397		47.1	5.22	TAS	1.2	0.96	m_e	mb	4.0
MOX	81.40	P	22:36:10.143	-0.5	47.1	5.22	TAS	4.6	0.99	m_e	mb	4.5
NEUB	80.96	P	22:36:07.597	0.0	47.1	5.22	TAS	20.6	0.90	m_e	mb	5.2
RJOB	82.76	P	22:36:17.486		47.1	5.22	TAS			m_e		
ROTZ	81.70	P	22:36:11.899		47.1	5.22	TAS	1.6	0.93	m_e	mb	4.1
TANN	81.15	P	22:36:08.788	0.5	47.1	5.22	TAS			m_e		
TNS	83.17	P	22:36:19.242		47.1	5.22	TAS	7.6	0.89	m_e	mb	4.9
UBBA	82.04	P	22:36:13.383		47.1	5.22	TAS			m_e		
UBR	84.14	P	22:36:24.191		47.1	5.22	TAS	7.6	0.86	m_e	mb	5.0
UBR	84.14	pP	22:36:42.364	0.1			T__			m_e		
WERD	81.20	P	22:36:09.050		47.1	5.22	TAS			m_e		
WERD	81.20	pP	22:36:28.310	0.1			T__			m_e		
WERN	81.27	P	22:36:09.686		47.1	5.22	TAS	6.5	0.92	m_e	mb	4.7
WET	81.78	P	22:36:12.241		47.1	5.22	TAS			m_e		
WLF	84.61	P	22:36:27.012		47.1	5.22	TAS	13.0	0.84	m_e	mb	5.2

Event 60415015 Western Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/15	23:20:50.86			34.3420	131.7290				33.0					81.13	81.13	m i ke	BGR
60415021																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60415021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	81.13		P	23:33:01.892		55.5		5.00		TAS		31.2	1.43	m_e	mb	5.3

Event 60416002 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/16	00:48:34.79			32.8430	130.8560				10.0				30	78.89	84.33	m i ke	BGR
60416008																	

Magnitude Err Nsta Author OrigID  
 mb 5.2 BGR 60416008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.28		P	01:00:59.173	0.1	46.0		5.26		TAS		20.0	1.02	a_e mb	5.3
BFO	84.27		P	01:01:04.173	-0.4	46.0		5.26		TAS		68.4	1.11	a_e mb	5.8
BRG	79.85		P	01:00:41.223	-0.2	46.0		5.26		TAS		10.8	0.93	a_e mb	4.8
BSEG	79.49		P	01:00:38.873	-0.0	46.0		5.26		TAS		12.8	0.93	a_e mb	4.9
BUG	82.56		P	01:00:54.973	-0.2	46.0		5.26		TAS		10.3	0.94	a_e mb	5.0
CLL	80.02		P	01:00:41.873	-0.4	46.0		5.26		TAS		38.8	0.96	a_e mb	5.3
CLZ	80.89		P	01:00:46.973	0.4	46.0		5.26		TAS		40.1	1.09	a_e mb	5.4
FBE	80.11		P	01:00:42.923	0.2	46.0		5.26		TAS		43.6	1.09	a_e mb	5.3
FLT1	80.16		P	01:00:42.273	-0.5	46.0		5.26		TAS		23.9	1.00	m_e mb	5.1
FUR	82.95		P	01:00:58.123	0.2	46.0		5.26		TAS		126.9	1.25	a_e mb	6.0
GEC2	81.29		P	01:00:48.873	-0.4	46.0		5.26		TAS		15.0	1.00	a_e mb	5.0
GRA1	81.95		P	01:00:52.973	0.6	46.0		5.26		TAS		52.8	1.01	a_e mb	5.6
GTTG	81.28		P	01:00:48.762	0.2	46.0		5.26		TAS		20.6	1.03	m_e mb	5.1
GUNZ	80.96		P	01:00:47.373	0.1	46.0		5.26		TAS		24.9	1.05	a_e mb	5.2
KAST	82.21		P	01:00:53.523	0.1	46.0		5.26		TAS		7.8	0.90	a_e mb	4.8
MANZ	81.32		P	01:00:49.223	0.1	46.0		5.26		TAS		3.5	0.95	a_e mb	4.4
MOX	81.12		P	01:00:48.023	0.0	46.0		5.26		TAS		11.9	1.02	a_e mb	4.9
NEUB	80.68		P	01:00:45.573	-0.0	46.0		5.26		TAS		46.8	1.00	a_e mb	5.5
RJOB	82.48		P	01:00:55.723	0.2	46.0		5.26		TAS		21.7	1.02	a_e mb	5.2
ROTZ	81.42		P	01:00:50.073	0.3	46.0		5.26		TAS		9.3	1.14	a_e mb	4.7
RUE	78.89		P	01:00:36.173	-0.0	46.0		5.26		TAS		29.4	1.04	a_e mb	5.3
STU	83.55		P	01:01:00.623	-0.2	46.0		5.26		TAS		97.6	1.02	a_e mb	6.0
TANN	80.87		P	01:00:46.723	-0.0	46.0		5.26		TAS		18.9	1.15	a_e mb	5.0
TNS	82.89		P	01:00:57.273	0.2	46.0		5.26		TAS		10.9	0.90	a_e mb	5.1
UBBA	81.76		P	01:00:51.007	-0.2	46.0		5.26		TAS		55.5	1.52	m_e mb	5.5
UBR	83.86		P	01:01:02.273	-0.3	46.0		5.26		TAS		32.1	1.04	a_e mb	5.5
WERD	80.92		P	01:00:46.973	-0.0	46.0		5.26		TAS		19.6	1.06	a_e mb	5.1
WERN	80.99		P	01:00:47.573	0.1	46.0		5.26		TAS		28.5	1.04	a_e mb	5.2
WET	81.50		P	01:00:50.273	0.0	46.0		5.26		TAS		9.5	1.00	a_e mb	4.9
WLF	84.33		P	01:01:04.620	0.1	46.0		5.26		TAS		17.5	0.91	m_e mb	5.3

Event 60416003 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/16	02:02:55.40			32.8820	130.8630				10.0			26		79.46	84.30	m i ke	BGR
60416009																	

Magnitude Err Nsta Author OrigID  
 mb 4.7 BGR 60416009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	83.25	P	02:15:18.433	0.1	46.9	5.26	TAS	11.8	0.97	m_e	mb	5.1
BFO	84.24	P	02:15:23.359	-0.6	46.9	5.26	TAS	16.1	0.86	m_e	mb	5.3
BRG	79.83	P	02:15:00.259	-0.2	46.9	5.26	TAS	4.1	0.81	m_e	mb	4.4
BSEG	79.46	P	02:14:58.086	-0.1	46.9	5.26	TAS	7.5	0.89	m_e	mb	4.7
BUG	82.53	P	02:15:14.591	-0.3	46.9	5.26	TAS	9.0	0.84	m_e	mb	5.0
CLL	79.99	P	02:15:00.802	-0.5	46.9	5.26	TAS	14.3	0.84	m_e	mb	4.9
CLZ	80.86	P	02:15:05.870	0.3	46.9	5.26	TAS	15.0	0.94	m_e	mb	5.0
FBE	80.08	P	02:15:01.805	0.0	46.9	5.26	TAS	13.6	1.01	m_e	mb	4.8
FLT1	80.13	P	02:15:01.800	-0.1	46.9	5.26	TAS	11.1	0.78	m_e	mb	4.9
FUR	82.92	P	02:15:16.689	0.6	46.9	5.26	TAS	18.8	0.96	m_e	mb	5.3
GEC2	81.26	P	02:15:07.821	-0.3	46.9	5.26	TAS	4.0	0.88	m_e	mb	4.5
GRA1	81.92	P	02:15:11.665	0.6	46.9	5.26	TAS	12.9	0.84	m_e	mb	5.1
GTTG	81.25	P	02:15:07.654	-0.1	46.9	5.26	TAS	12.3	0.91	m_e	mb	4.9
GUNZ	80.94	P	02:15:06.359	0.1	46.9	5.26	TAS	6.7	0.87	m_e	mb	4.7
IBBN	81.70	P	02:15:10.244	0.2	46.9	5.26	TAS	8.5	0.91	m_e	mb	4.9
KAST	82.19	P	02:15:12.735	0.4	46.9	5.26	TAS	5.1	0.84	m_e	mb	4.7
MANZ	81.29	P	02:15:08.239	0.0	46.9	5.26	TAS	1.2	0.88	m_e	mb	4.0
MOX	81.09	P	02:15:07.152	0.1	46.9	5.26	TAS	2.1	0.85	m_e	mb	4.2
RJOB	82.45	P	02:15:14.506	0.1	46.9	5.26	TAS	6.6	0.88	m_e	mb	4.8
ROTZ	81.39	P	02:15:08.782	0.1	46.9	5.26	TAS	2.2	1.00	m_e	mb	4.1
TANN	80.84	P	02:15:05.565	-0.2	46.9	5.26	TAS	3.5	0.94	m_e	mb	4.4
TNS	82.86	P	02:15:16.218	-0.1	46.9	5.26	TAS	6.5	0.91	m_e	mb	4.9
UBR	83.83	P	02:15:21.190	-0.4	46.9	5.26	TAS	6.0	0.82	m_e	mb	4.9
WERN	80.96	P	02:15:06.818	0.3	46.9	5.26	TAS	6.1	0.90	m_e	mb	4.6
WET	81.48	P	02:15:09.409	0.2	46.9	5.26	TAS	2.4	0.80	m_e	mb	4.3
WLF	84.30	P	02:15:23.780	-0.0	46.9	5.26	TAS	13.5	0.85	m_e	mb	5.2

Event 60416004 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/16	02:39:30.38			41.1950	71.0360				10.0			27		39.88	45.02	m i ke	BGR
60416010																	

Magnitude Err Nsta Author OrigID  
 mb 4.5 BGR 60416010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	44.23		P	02:47:38.930		79.0		8.15		TAS		8.2	0.84	m_e	mb	4.5
BFO	43.98		P	02:47:36.434	0.1	79.0		8.15		TAS		5.5	0.96	m_e	mb	4.3
BRG	39.88		P	02:47:03.576	-0.0	79.0		8.15		TAS		7.6	0.77	m_e	mb	4.4
BSEG	41.64		P	02:47:17.379	0.4	79.0		8.15		TAS		10.3	0.81	m_e	mb	4.6
CLL	40.40		P	02:47:07.394	-0.7	79.0		8.15		TAS		8.0	0.75	m_e	mb	4.4
CLZ	41.93		P	02:47:19.657	0.4	79.0		8.15		TAS		6.4	0.85	m_e	mb	4.4
FBE	40.24		P	02:47:06.527	-0.0	79.0		8.15		TAS		11.4	0.75	m_e	mb	4.6
FLT1	41.32		P	02:47:14.417	-0.1	79.0		8.15		TAS		10.8	0.77	m_e	mb	4.7
FUR	42.11		P	02:47:21.508	0.5	79.0		8.15		TAS		14.2	0.81	m_e	mb	4.7

GEC2	40.39	P	02:47:07.435	0.0	79.0	8.15	TAS	12.8	0.80	m_e	mb	4.6
GRA1	41.81	P	02:47:19.054	-0.5	79.0	8.15	TAS	16.9	0.78	m_e	mb	4.8
GTTG	42.23	P	02:47:22.487	-0.5	79.0	8.15	TAS	18.6	0.93	m_e	mb	4.8
GUNZ	40.98	P	02:47:12.369	-0.2	79.0	8.15	TAS	5.3	0.83	m_e	mb	4.3
IBBN	43.43	P	02:47:32.124	-0.6	79.0	8.15	TAS	8.5	0.77	m_e	mb	4.5
KAST	43.25	P	02:47:30.889	-0.0	79.0	8.15	TAS				m_e	
MANZ	41.19	P	02:47:14.236	0.2	79.0	8.15	TAS	1.0	0.89	m_e	mb	3.6
MOX	41.38	P	02:47:15.742	1.1	79.0	8.15	TAS	4.3	0.80	m_e	mb	4.2
NEUB	41.18	P	02:47:14.236	-0.0	79.0	8.15	TAS	11.5	0.68	m_e	mb	4.7
NRDL	41.98	P	02:47:20.245	1.0	79.0	8.15	TAS	9.8	0.79	m_e	mb	4.6
RJOB	41.22	P	02:47:13.625	-0.7	79.0	8.15	TAS				m_e	
ROTZ	41.17	P	02:47:13.846	0.1	79.0	8.15	TAS				m_e	
STU	43.31	P	02:47:31.461	-0.0	79.0	8.15	TAS	34.8	0.78	m_e	mb	5.1
TANN	40.89	P	02:47:11.405	-0.4	79.0	8.15	TAS	4.6	0.80	m_e	mb	4.3
TNS	43.45	P	02:47:32.666	-0.1	79.0	8.15	TAS	4.3	0.65	m_e	mb	4.3
UBBA	42.35	P	02:47:23.352	-0.0	79.0	8.15	TAS				m_e	
UBR	42.99	P	02:47:28.390	0.0	79.0	8.15	TAS	15.1	0.84	m_e	mb	4.8
WERD	40.98	P	02:47:12.369	-0.2	79.0	8.15	TAS	5.0	0.81	m_e	mb	4.3
WET	40.86	P	02:47:11.706	0.3	79.0	8.15	TAS	9.0	0.81	m_e	mb	4.5
WLF	45.02	P	02:47:45.555		79.0	8.15	TAS	14.0	0.91	m_e	mb	4.9

Event 60416005 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/16	07:02:03.02			32.6810	130.8580				10.0			32		79.03	84.46	m i ke	BGR
OrigID 60416011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	60416011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.42	P		07:14:29.069	0.1	47.4		5.27		TAS		65.0	1.00	m_e	mb	5.8
ASSE	80.69	P		07:14:14.296	-0.0	47.4		5.27		TAS		15.8	1.00	m_e	mb	5.0
BFO	84.40	P		07:14:33.943	-0.5	47.4		5.27		TAS		76.6	1.02	m_e	mb	5.9
BRG	79.99	P		07:14:10.583	-0.8	47.4		5.27		TAS		16.7	0.92	m_e	mb	5.0
BSEG	79.63	P		07:14:08.444	0.1	47.4		5.27		TAS		45.3	1.02	m_e	mb	5.3
BUG	82.70	P		07:14:24.984	-0.1	47.4		5.27		TAS		30.3	0.95	m_e	mb	5.5
CLL	80.16	P		07:14:11.432	-0.6	47.4		5.27		TAS		67.8	0.99	m_e	mb	5.5
CLZ	81.02	P		07:14:16.273	0.4	47.4		5.27		TAS		81.9	1.06	m_e	mb	5.7
FBE	80.24	P		07:14:11.914	0.3	47.4		5.27		TAS		49.2	0.97	m_e	mb	5.4
FLT1	80.30	P		07:14:11.945	-0.4	47.4		5.27		TAS		58.2	1.04	m_e	mb	5.4
FUR	83.08	P		07:14:26.830	0.3	47.4		5.27		TAS		87.4	1.01	m_e	mb	5.9
GEC2	81.42	P		07:14:18.596	-0.1	47.4		5.27		TAS		20.6	1.05	m_e	mb	5.1
GRA1	82.08	P		07:14:22.018	-0.0	47.4		5.27		TAS		87.1	1.04	m_e	mb	5.8
GTTG	81.41	P		07:14:18.324		47.4		5.27		TAS		33.5	0.89	m_e	mb	5.4
GUNZ	81.10	P		07:14:16.758	0.1	47.4		5.27		TAS		28.1	0.95	m_e	mb	5.3

IBBN	81.87	P	07:14:20.907	0.2	47.4	5.27	TAS	43.8	0.96	m_e	mb	5.6
KAST	82.35	P	07:14:23.137	0.1	47.4	5.27	TAS	18.4	0.90	m_e	mb	5.2
MANZ	81.46	P	07:14:18.436	0.3	47.4	5.27	TAS	4.7	0.95	m_e	mb	4.5
MOX	81.25	P	07:14:17.426	-0.2	47.4	5.27	TAS	19.4	1.02	m_e	mb	5.1
NEUB	80.81	P	07:14:15.247	0.1	47.4	5.27	TAS	113.6	1.10	m_e	mb	5.8
NRDL	80.70	P	07:14:14.429	0.2	47.4	5.27	TAS	24.9	1.11	m_e	mb	5.2
RJOB	82.61	P	07:14:24.704	0.1	47.4	5.27	TAS	21.1	0.92	m_e	mb	5.4
ROTZ	81.55	P	07:14:19.114	0.1	47.4	5.27	TAS	9.0	1.07	m_e	mb	4.8
RUE	79.03	P	07:14:05.594	0.1	47.4	5.27	TAS	53.3	0.92	m_e	mb	5.6
STU	83.68	P	07:14:30.356	-0.2	47.4	5.27	TAS	160.3	0.98	m_e	mb	6.2
TANN	81.00	P	07:14:16.319	-0.3	47.4	5.27	TAS	31.6	1.19	m_e	mb	5.2
TNS	83.02	P	07:14:26.606	0.5	47.4	5.27	TAS	31.8	0.97	m_e	mb	5.5
UBBA	81.89	P	07:14:20.955	0.9	47.4	5.27	TAS	102.3	1.57	m_e	mb	5.7
UBR	83.99	P	07:14:31.699	-0.5	47.4	5.27	TAS	32.7	0.98	m_e	mb	5.5
WERD	81.05	P	07:14:16.590	0.2	47.4	5.27	TAS	41.3	1.15	m_e	mb	5.4
WERN	81.13	P	07:14:16.870	0.1	47.4	5.27	TAS	54.6	1.13	m_e	mb	5.5
WET	81.64	P	07:14:19.667	-0.1	47.4	5.27	TAS	8.9	0.93	m_e	mb	4.9
WLF	84.46	P	07:14:34.339		47.4	5.27	TAS	66.1	0.96	m_e	mb	5.8

Event 60416006 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/16	21:09:19.50			0.8280	97.8340				33.0					87.17	87.17	m i ke	BGR
OrigID																	
60416012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60416012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	87.17		P	21:22:05.813		107.3		4.31		TAS		54.5	2.16	m_e	mb	5.3

Event 60417001 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2016/04/16	23:58:38.66			0.4240	-79.8540				20.0					37	87.09	92.08	m i ke	BGR
OrigID																		
60417007																		

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	60417007
MBB	7.6		BGR	60417007
Ms	7.4		BGR	60417007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	87.72	P	00:11:24.126	0.2	269.6	5.24	TAS	947.3	1.42	m_e	MBB	7.8
ASSE	89.99	P	00:11:35.953	-0.1	269.6	5.24	TAS	632.2	2.28	m_e	MBB	7.5
BFO	88.47	P	00:11:27.536	-0.0	269.6	5.24	TAS	334.3	1.60	m_e	MBB	7.6
BRG	92.08	P	00:11:46.426	-0.4	269.6	5.24	TAS	479.7	1.97	m_e	MBB	7.6
BSEG	89.76	P	00:11:34.046	-1.0	269.6	5.24	TAS	633.4	2.05	m_e	MBB	7.6
BUG	87.87	P	00:11:24.970	0.1	269.6	5.24	TAS	919.0	1.74	m_e	MBB	7.8
CLL	91.46	P	00:11:43.767	0.1	269.6	5.24	TAS	457.8	2.05	m_e	MBB	7.6
CLZ	89.81	P	00:11:34.327	-0.7	269.6	5.24	TAS	623.7	2.10	m_e	MBB	7.6
FBE	91.70	P	00:11:45.407	0.6	269.6	5.24	TAS	613.7	2.07	m_e	MBB	7.3
FLT1	90.34	P	00:11:37.597	-0.3	269.6	5.24	TAS	582.9	2.18	m_e	MBB	7.5
FUR	90.44	P	00:11:36.946	-0.9	269.6	5.24	TAS	736.4	1.67	m_e	MBB	7.6
GEC2	92.03	P	00:11:46.361	0.1	269.6	5.24	TAS	318.5	1.71	m_e	MBB	7.6
GRA1	90.38	P	00:11:37.363	-0.4	269.6	5.24	TAS	854.3	2.15	m_e	mb	6.6
GRA1	90.38	L	00:50:09.331				T__	145119.0	20.60	a_e	Ms	7.4
GTTG	89.56	P	00:11:33.561	-0.1	269.6	5.24	TAS	551.4	2.05	m_e	MBB	7.6
GUNZ	91.08	P	00:11:41.581	0.1	269.6	5.24	TAS	788.0	2.39	m_e	MBB	7.2
HLG	88.33	P	00:11:27.119	-0.5	269.6	5.24	TAS	911.7	1.50	m_e	MBB	7.8
IBBN	88.20	P	00:11:26.763	0.1	269.6	5.24	TAS	1029.9	1.88	m_e	MBB	7.8
KAST	88.58	P	00:11:29.653	1.1	269.6	5.24	TAS	617.1	1.98	m_e	MBB	7.6
MANZ	90.94	P	00:11:41.488	0.8	269.6	5.24	TAS	286.2	2.53	m_e	MBB	7.1
MOX	90.61	P	00:11:39.536	0.5	269.6	5.24	TAS	712.1	2.39	m_e	MBB	7.7
MOX	90.61	L	00:57:10.468				T__	148521.0	19.70	a_e	Ms	7.4
NEUB	90.70	P	00:11:39.905	0.3	269.6	5.24	TAS	1248.7	2.63	m_e	MBB	7.7
NRDL	89.64	P	00:11:33.849	-0.4	269.6	5.24	TAS	808.5	2.22	m_e	MBB	7.6
PLN	90.96	P	00:11:41.337	0.5	269.6	5.24	TAS	615.7	2.20	m_e	MBB	7.5
RETH	89.19	P	00:11:31.260	-0.6	269.6	5.24	TAS	803.0	1.90	m_e	MBB	7.7
RGN	91.51	P	00:11:45.582	1.3	269.6	5.24	TAS	640.9	1.93	m_e	MBB	7.7
RJOB	91.48	P	00:11:42.940	-0.3	269.6	5.24	TAS	284.9	1.47	m_e	MBB	7.7
ROTZ	91.02	P	00:11:40.345	-0.7	269.6	5.24	TAS	217.1	2.16	m_e	MBB	7.1
RUE	91.89	P	00:11:45.993	-0.0	269.6	5.24	TAS	432.8	1.93	m_e	MBB	7.6
STU	89.05	P	00:11:30.740	0.1	269.6	5.24	TAS	1681.7	1.72	m_e	MBB	7.9
TANN	91.16	P	00:11:42.015	0.1	269.6	5.24	TAS	721.3	2.19	m_e	MBB	7.6
TNS	88.59	P	00:11:28.482	0.1	269.6	5.24	TAS	983.7	2.00	m_e	MBB	7.6
UBBA	89.58	P	00:11:33.177	-0.5	269.6	5.24	TAS	1105.0	2.66	m_e	MBB	7.6
UBR	89.66	P	00:11:33.633	-0.1	269.6	5.24	TAS	972.2	1.77	m_e	MBB	7.6
WERD	91.06	P	00:11:41.516	0.1	269.6	5.24	TAS	615.4	2.19	m_e	MBB	7.2
WERN	91.11	P	00:11:41.774	0.1	269.6	5.24	TAS	702.8	2.19	m_e	MBB	7.3
WET	91.48	P	00:11:43.368	-0.0	269.6	5.24	TAS	691.3	1.77	m_e	MBB	7.6
WLF	87.09	P	00:11:21.232	0.8	269.6	5.24	TAS	1329.0	1.54	m_e	MBB	7.7

Event 60417002 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/17	07:14:04.35			-0.4060	-80.1500				33.0			33		87.91	92.90	m i ke	BGR
60417008																	

Magnitude Err Nsta Author OrigID  
mb 5.9 BGR 60417008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.54		P	07:26:51.370	0.3	269.8		4.67		TAS		176.6	1.61	m_e mb	6.0
ASSE	90.83		P	07:27:02.035	-0.1	269.8		4.67		TAS		245.2	2.67	m_e mb	6.1
BFO	89.29		P	07:26:54.272	-0.3	269.8		4.67		TAS		39.8	1.61	m_e mb	5.4
BRG	92.90		P	07:27:11.152		269.8		4.67		TAS		88.0	1.77	m_e mb	5.9
BSEG	90.60		P	07:27:00.952	-0.3	269.8		4.67		TAS		121.7	2.23	m_e mb	5.8
BUG	88.70		P	07:26:51.926	-0.2	269.8		4.67		TAS		248.4	2.07	m_e mb	6.1
CLL	92.29		P	07:27:08.896	0.3	269.8		4.67		TAS		92.2	1.94	m_e mb	5.8
CLZ	90.64		P	07:27:01.313	0.1	269.8		4.67		TAS		184.3	2.66	m_e mb	5.9
FBE	92.53		P	07:27:10.250	-0.3	269.8		4.67		TAS		128.9	1.91	m_e mb	6.0
FLT1	91.17		P	07:27:03.389	-0.3	269.8		4.67		TAS				m_e	
FUR	91.25		P	07:27:03.982		269.8		4.67		TAS		177.0	1.72	m_e mb	6.1
GEC2	92.85		P	07:27:10.972	-0.6	269.8		4.67		TAS		43.8	1.55	m_e mb	5.7
GRA1	91.20		P	07:27:03.660	0.0	269.8		4.67		TAS		115.0	1.89	m_e mb	5.9
GTTG	90.39		P	07:26:59.959	-0.1	269.8		4.67		TAS		223.7	2.64	m_e mb	5.9
GUNZ	91.90		P	07:27:07.542	0.1	269.8		4.67		TAS		110.6	1.86	m_e mb	5.9
IBBN	89.03		P	07:26:53.809	-0.4	269.8		4.67		TAS		181.0	1.97	m_e mb	6.0
KAST	89.41		P	07:26:55.356	-0.1	269.8		4.67		TAS		139.7	2.32	m_e mb	5.8
MANZ	91.77		P	07:27:06.368	-0.0	269.8		4.67		TAS		27.4	1.85	m_e mb	5.3
MOX	91.44		P	07:27:05.195	0.6	269.8		4.67		TAS		81.1	1.89	m_e mb	5.7
NEUB	91.52		P	07:27:05.656	0.0	269.8		4.67		TAS		72.0	1.74	m_e mb	5.7
NRDL	90.48		P	07:27:00.447	0.3	269.8		4.67		TAS		188.9	2.82	m_e mb	5.8
PLN	91.79		P	07:27:06.458	0.2	269.8		4.67		TAS		75.2	1.73	m_e mb	5.7
RETH	90.02		P	07:26:58.268	0.4	269.8		4.67		TAS		153.4	2.18	m_e mb	5.8
RJOB	92.29		P	07:27:08.173	-0.0	269.8		4.67		TAS		246.0	2.74	m_e mb	6.1
ROTZ	91.84		P	07:27:06.819	0.2	269.8		4.67		TAS		22.5	1.61	m_e mb	5.2
STU	89.87		P	07:26:57.251	-0.1	269.8		4.67		TAS		221.6	1.59	m_e mb	6.1
TANN	91.98		P	07:27:07.181	-0.4	269.8		4.67		TAS		92.0	1.71	m_e mb	5.8
TNS	89.41		P	07:26:54.928	-0.6	269.8		4.67		TAS		108.1	1.79	m_e mb	5.8
UBBA	90.41		P	07:26:59.959	-0.1	269.8		4.67		TAS		171.6	2.58	m_e mb	5.8
UBR	90.47		P	07:27:00.033	0.6	269.8		4.67		TAS		161.4	1.69	m_e mb	6.0
WERD	91.88		P	07:27:07.090	0.6	269.8		4.67		TAS		54.3	1.50	m_e mb	5.7
WERN	91.93		P	07:27:07.181	-0.2	269.8		4.67		TAS		108.0	1.79	m_e mb	5.9
WET	92.29		P	07:27:08.715	-0.0	269.8		4.67		TAS		116.6	1.49	m_e mb	6.0
WLF	87.91		P	07:26:48.428	0.3	269.8		4.67		TAS		239.4	1.56	m_e mb	6.3

Event 60417003 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/17	07:31:00.48			-23.4410	-174.3930				33.0					149.34	155.55	m i ke	BGR

Magnitude Err Nsta Author OrigID

Ms 5.2 BGR 60417009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.93		PKPbc	07:50:57.372						T__				m_e	
AHRW	152.93		PKPab	07:51:07.312						T__				m_e	
ASSE	151.10		PKPdf	07:50:47.428						T__				m_e	
ASSE	151.10		PKPbc	07:50:53.259						T__				m_e	
BFO	155.07		PKPdf	07:50:52.081						T__				m_e	
BFO	155.07		PKPbc	07:51:01.854						T__				m_e	
BFO	155.07		PKPab	07:51:16.996						T__				m_e	
BRG	151.86		PKPdf	07:50:48.126						T__				m_e	
BRG	151.86		PKPbc	07:50:54.641						T__				m_e	
BSEG	149.34		PKPdf	07:50:46.497						T__				m_e	
BSEG	149.34		PKPbc	07:50:50.603						T__				m_e	
BUG	152.02		PKPdf	07:50:49.522						T__				m_e	
BUG	152.02		PKPbc	07:50:54.641						T__				m_e	
CLL	151.60		PKPdf	07:50:47.893						T__				m_e	
CLL	151.60		PKPbc	07:50:54.116						T__				m_e	
CLZ	151.41		PKPdf	07:50:47.428						T__				m_e	
CLZ	151.41		PKPbc	07:50:53.859						T__				m_e	
CLZ	151.41		PKPab	07:51:03.199						T__				m_e	
FBE	151.92		PKPdf	07:50:48.591						T__				m_e	
FBE	151.92		PKPbc	07:50:54.873						T__				m_e	
FLT1	150.84		PKPdf	07:50:47.195						T__				m_e	
FLT1	150.84		PKPbc	07:50:52.659						T__				m_e	
FUR	154.92		PKPbc	07:51:01.854						T__				m_e	
FUR	154.92		PKPab	07:51:16.224						T__				m_e	
GEC2	153.85		PKPdf	07:50:51.383						T__				m_e	
GEC2	153.85		PKPbc	07:50:59.992						T__				m_e	
GEC2	153.85		PKPab	07:51:13.825						T__				m_e	
GRA1	153.43		PKPdf	07:50:50.685						T__				m_e	
GRA1	153.43		PKPbc	07:50:59.062						T__				m_e	
GRA1	153.43		PKPab	07:51:10.569						T__				m_e	
GRA1	153.43		L	08:56:41.372						T__		367.2	21.50	a_e Ms	5.2
GTTG	151.74		PKPdf	07:50:48.126						T__				m_e	
GTTG	151.74		PKPbc	07:50:54.373						T__				m_e	
GTTG	151.74		PKPab	07:51:04.742						T__				m_e	
GUNZ	152.62		PKPdf	07:50:50.220						T__				m_e	
GUNZ	152.62		PKPbc	07:50:56.735						T__				m_e	
GUNZ	152.62		PKPab	07:51:06.627						T__				m_e	
IBBN	151.13		PKPdf	07:50:47.660						T__				m_e	
IBBN	151.13		PKPbc	07:50:53.516						T__				m_e	
KAST	152.20		PKPdf	07:50:49.289						T__				m_e	
KAST	152.20		PKPbc	07:50:55.339						T__				m_e	
MANZ	153.02		PKPdf	07:50:51.151						T__				m_e	
MANZ	153.02		PKPbc	07:50:57.433						T__				m_e	
MANZ	153.02		PKPab	07:51:08.169						T__				m_e	
MOX	152.44		PKPdf	07:50:49.522						T__				m_e	
MOX	152.44		PKPbc	07:50:55.804						T__				m_e	

MOX	152.44	L	08:56:23.113	T__	418.4	19.70	a_e	Ms	5.3
NEUB	151.89	PKPdf	07:50:48.824	T__			m_e		
NEUB	151.89	PKPbc	07:50:54.641	T__			m_e		
NEUB	151.89	PKPab	07:51:04.999	T__			m_e		
NRDL	150.79	PKPdf	07:50:47.195	T__			m_e		
NRDL	150.79	PKPbc	07:50:52.316	T__			m_e		
PLN	152.52	PKPdf	07:50:50.685	T__			m_e		
PLN	152.52	PKPbc	07:50:56.037	T__			m_e		
RETH	150.61	PKPdf	07:50:46.962	T__			m_e		
RETH	150.61	PKPbc	07:50:52.145	T__			m_e		
RJOB	155.08	PKPdf	07:50:51.616	T__			m_e		
RJOB	155.08	PKPbc	07:51:02.552	T__			m_e		
RJOB	155.08	PKPab	07:51:17.852	T__			m_e		
ROTZ	153.22	PKPdf	07:50:50.685	T__			m_e		
ROTZ	153.22	PKPbc	07:50:58.131	T__			m_e		
RUE	150.34	PKPdf	07:50:46.962	T__			m_e		
RUE	150.34	PKPbc	07:50:51.374	T__			m_e		
STU	154.56	PKPdf	07:50:51.849	T__			m_e		
STU	154.56	PKPbc	07:50:59.992	T__			m_e		
STU	154.56	PKPab	07:51:15.110	T__			m_e		
TANN	152.55	PKPdf	07:50:49.987	T__			m_e		
TANN	152.55	PKPbc	07:50:56.269	T__			m_e		
TNS	153.18	PKPbc	07:50:58.315	T__			m_e		
TNS	153.18	PKPab	07:51:09.369	T__			m_e		
UBBA	152.46	PKPdf	07:50:50.220	T__			m_e		
UBBA	152.46	PKPbc	07:50:56.037	T__			m_e		
UBBA	152.46	PKPab	07:51:05.770	T__			m_e		
UBR	155.55	PKPdf	07:50:51.849	T__			m_e		
UBR	155.55	PKPbc	07:51:02.319	T__			m_e		
UBR	155.55	PKPab	07:51:19.395	T__			m_e		
WERD	152.54	PKPdf	07:50:50.220	T__			m_e		
WERD	152.54	PKPbc	07:50:56.269	T__			m_e		
WERN	152.69	PKPdf	07:50:49.754	T__			m_e		
WERN	152.69	PKPbc	07:50:57.200	T__			m_e		
WERN	152.69	PKPab	07:51:07.227	T__			m_e		
WET	153.71	PKPdf	07:50:51.151	T__			m_e		
WET	153.71	PKPbc	07:50:59.294	T__			m_e		
WLF	153.82	PKPbc	07:50:59.760	T__			m_e		

Event 60417004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/17	09:18:43.10			-17.7190	-178.1990				33.0			31		142.18	149.35	m i ke	BGR
60417010																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 60417010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.98		PKPbc	09:38:20.477	-0.1	16.7		2.89		TAS				m_e	
BFO	149.01		PKPbc	09:38:26.058	-0.1	16.7		2.89		TAS		8.5	0.94	m_e mb	5.0
BRG	145.53		PKPbc	09:38:16.447		16.7		2.89		TAS		5.5	0.76	m_e mb	5.1
BUG	146.07		PKPbc	09:38:18.057	0.1	16.7		2.89		TAS				m_e	
CLL	145.32		PKPbc	09:38:15.317	-0.0	16.7		2.89		TAS				m_e	
CLZ	145.28		PKPbc	09:38:15.164	0.1	16.7		2.89		TAS		6.4	0.66	m_e mb	5.1
FBE	145.62		PKPbc	09:38:16.298		16.7		2.89		TAS		9.1	0.70	m_e mb	5.3
FLT1	144.67		PKPbc	09:38:13.283	0.0	16.7		2.89		TAS		14.8	0.78	m_e mb	5.4
GEC2	147.48		PKPbc	09:38:21.872		16.7		2.89		TAS		5.4	0.82	m_e mb	5.0
GRA1	147.21		PKPbc	09:38:21.041	-0.2	16.7		2.89		TAS				m_e	
GTTG	145.63		PKPbc	09:38:16.672	0.2	16.7		2.89		TAS		9.4	0.75	m_e mb	5.2
GUNZ	146.35		PKPbc	09:38:18.329	-0.2	16.7		2.89		TAS		4.8	0.65	m_e mb	5.0
HLG	143.30		PKPbc	09:38:09.846	-0.1	16.7		2.89		TAS				m_e	
IBBN	145.17		PKPbc	09:38:15.543	0.2	16.7		2.89		TAS		15.9	0.80	m_e mb	5.3
KAST	146.18		PKPbc	09:38:17.945	-0.2	16.7		2.89		TAS		3.1	0.74	m_e mb	4.6
MANZ	146.76		PKPbc	09:38:19.459	0.3	16.7		2.89		TAS		0.6	0.75	m_e mb	4.0
MOX	146.23		PKPbc	09:38:17.802	0.2	16.7		2.89		TAS		1.9	0.74	m_e mb	4.5
NEUB	145.67		PKPbc	09:38:16.495	-0.1	16.7		2.89		TAS		11.8	0.69	m_e mb	5.3
NRDL	144.69		PKPbc	09:38:13.413	-0.1	16.7		2.89		TAS		7.8	0.86	m_e mb	5.1
RGN	142.18		PKPbc	09:38:06.651	0.3	16.7		2.89		TAS				m_e	
RJOB	148.73		PKPbc	09:38:25.230	0.1	16.7		2.89		TAS				m_e	
ROTZ	146.95		PKPbc	09:38:20.273	0.0	16.7		2.89		TAS		1.3	0.81	m_e mb	4.3
RUE	144.06		PKPbc	09:38:11.873		16.7		2.89		TAS				m_e	
STU	148.45		PKPbc	09:38:24.923	0.4	16.7		2.89		TAS		22.5	0.78	m_e mb	5.5
TANN	146.28		PKPbc	09:38:18.254	0.2	16.7		2.89		TAS		3.9	0.76	m_e mb	4.8
TNS	147.14		PKPbc	09:38:20.755	-0.1	16.7		2.89		TAS		5.0	0.64	m_e mb	4.9
UBR	149.35		PKPbc	09:38:26.981	-0.2	16.7		2.89		TAS		14.4	1.07	m_e mb	5.2
WERD	146.28		PKPbc	09:38:18.480	-0.2	16.7		2.89		TAS		5.9	0.77	m_e mb	5.0
WERN	146.42		PKPbc	09:38:18.966	-0.2	16.7		2.89		TAS				m_e	
WET	147.39		PKPbc	09:38:21.306	0.0	16.7		2.89		TAS				m_e	
WLF	147.94		PKPbc	09:38:23.627	0.2	16.7		2.89		TAS		15.5	0.84	m_e mb	5.4

Event 60417005 South Korea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/17	10:23:55.14			34.1400	129.7200				33.0					80.34	80.34	m i ke	BGR
	60417011																

Magnitude Err Nsta Author  
mb 4.8 BGR 60417011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.34		P	10:36:01.965		54.1		4.93		TAS		15.2	1.13	m_e mb	4.8

## Event 60417006 Davis Strait

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/17	16:17:12.15		68.9330	-55.1730					10.0					36.58	36.58	m i ke	BGR
OrigID 60417012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60417012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	36.58		P	16:24:18.268		325.5		8.33		TAS		17.8	1.07	m_e mb	4.7

## Event 60418001 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/18	11:42:01.12		33.0030	131.1770					10.0					81.97	81.97	m i ke	BGR
OrigID 60418007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	60418007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.97		P	11:54:24.315		55.2		4.91		TAS		100.9	2.06	m_e mb	5.6

## Event 60418002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/18	13:06:15.29		-19.4860	168.9700					100.2				24	141.82	147.24	m i ke	BGR
OrigID 60418008																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.84		PKPbc	13:25:41.927		36.7		3.23		TAS				m_e	
ASSE	143.27		PKPbc	13:25:33.081	0.5	36.7		3.23		TAS				m_e	
BFO	147.24		PKPbc	13:25:46.082		36.7		3.23		TAS				m_e	
BRG	142.98		PKPbc	13:25:32.113	-0.4	36.7		3.23		TAS				m_e	
BSEG	141.90		PKPbc	13:25:28.626	0.5	36.7		3.23		TAS				m_e	
BUG	145.01		PKPbc	13:25:38.896		36.7		3.23		TAS				m_e	

CLL	143.03	PKPbc	13:25:32.164	-0.4	36.7	3.23	TAS	m_e
CLZ	143.61	PKPbc	13:25:34.341	0.5	36.7	3.23	TAS	m_e
FBE	143.19	PKPbc	13:25:32.809		36.7	3.23	TAS	m_e
FLT1	142.90	PKPbc	13:25:31.445	-0.7	36.7	3.23	TAS	m_e
FUR	146.17	PKPbc	13:25:42.955		36.7	3.23	TAS	m_e
GEC2	144.59	PKPbc	13:25:37.971	-0.0	36.7	3.23	TAS	m_e
GTTG	144.00	PKPbc	13:25:35.654	0.5	36.7	3.23	TAS	m_e
GUNZ	144.03	PKPbc	13:25:35.995	0.5	36.7	3.23	TAS	m_e
IBBN	144.11	PKPbc	13:25:36.275	0.2	36.7	3.23	TAS	m_e
KAST	144.83	PKPbc	13:25:38.536		36.7	3.23	TAS	m_e
MANZ	144.41	PKPbc	13:25:37.239	0.1	36.7	3.23	TAS	m_e
MOX	144.10	PKPbc	13:25:36.254	0.5	36.7	3.23	TAS	m_e
NEUB	143.61	PKPbc	13:25:34.339	0.5	36.7	3.23	TAS	m_e
NRDL	143.17	PKPbc	13:25:32.627	-0.4	36.7	3.23	TAS	m_e
PLN	144.01	PKPbc	13:25:35.840	0.5	36.7	3.23	TAS	m_e
RETH	143.22	PKPbc	13:25:32.832	0.1	36.7	3.23	TAS	m_e
RJOB	145.81	PKPbc	13:25:41.863		36.7	3.23	TAS	m_e
ROTZ	144.54	PKPbc	13:25:37.524	0.1	36.7	3.23	TAS	m_e
RUE	141.82	PKPbc	13:25:28.267	0.4	36.7	3.23	TAS	m_e
STU	146.54	PKPbc	13:25:43.931		36.7	3.23	TAS	m_e
TANN	143.94	PKPbc	13:25:35.447	0.5	36.7	3.23	TAS	m_e
TNS	145.63	PKPbc	13:25:40.900		36.7	3.23	TAS	m_e
UBBA	144.58	PKPbc	13:25:37.662	-0.1	36.7	3.23	TAS	m_e
UBR	147.04	PKPbc	13:25:45.576		36.7	3.23	TAS	m_e
WERD	143.98	PKPbc	13:25:35.708	0.5	36.7	3.23	TAS	m_e
WERN	144.07	PKPbc	13:25:36.187	0.5	36.7	3.23	TAS	m_e
WET	144.73	PKPbc	13:25:38.228	-0.3	36.7	3.23	TAS	m_e
WLF	146.90	PKPbc	13:25:45.300		36.7	3.23	TAS	m_e

Event 60419001 Near south coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/19	02:02:18.08			34.0750	139.6160				33.0					84.88	84.88	m i ke	BGR
60419007																	

Magnitude Err Nsta Author OrigID  
mb 4.8 BGR 60419007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.88		P	02:14:48.440		45.4		4.31		TAS		5.2	0.82	m_e mb	4.8

Event 60419002 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2016/04/19 02:47:03.59 26.4750 130.2300 39.7 86.85 86.85 m i ke BGR  
 60419008

Magnitude Err Nsta Author OrigID  
 mb 4.5 BGR 60419008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.85		P	02:59:49.542		57.9		4.58		TAS		3.6	0.82	m_e mb	4.5

Event 60419003 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/19	08:52:16.99		32.5470	130.7420					10.0			11		80.04	84.52	m i ke BGR	
OrigID 60419009																	

Magnitude Err Nsta Author OrigID  
 mb 4.9 BGR 60419009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.48		P	09:04:42.417		48.8		5.12		TAS		31.1	1.25	m_e mb	5.4
BFO	84.45		P	09:04:47.118		48.8		5.12		TAS		13.5	1.08	m_e mb	5.1
BRG	80.04		P	09:04:24.278	-0.3	48.8		5.12		TAS		10.9	1.22	m_e mb	4.7
CLL	80.21		P	09:04:25.224	-0.3	48.8		5.12		TAS		16.1	0.97	m_e mb	4.9
CLZ	81.08		P	09:04:30.394	0.2	48.8		5.12		TAS				m_e	
FBE	80.29		P	09:04:25.618	0.2	48.8		5.12		TAS		36.0	1.58	m_e mb	5.1
FLT1	80.36		P	09:04:25.666		48.8		5.12		TAS				m_e	
GEC2	81.47		P	09:04:31.851	0.2	48.8		5.12		TAS		6.1	1.25	m_e mb	4.5
GRA1	82.13		P	09:04:35.320	0.2	48.8		5.12		TAS				m_e	
GUNZ	81.15		P	09:04:30.858	-0.1	48.8		5.12		TAS		11.0	1.08	m_e mb	4.8
IBBN	81.94		P	09:04:34.700	0.2	48.8		5.12		TAS				m_e	
MANZ	81.51		P	09:04:32.283	0.2	48.8		5.12		TAS				m_e	
MOX	81.31		P	09:04:31.258	0.2	48.8		5.12		TAS				m_e	
NRDL	80.76		P	09:04:28.029	0.2	48.8		5.12		TAS				m_e	
PLN	81.15		P	09:04:30.683	0.2	48.8		5.12		TAS				m_e	
RETH	80.93		P	09:04:29.081	0.6	48.8		5.12		TAS		50.7	1.62	m_e mb	5.3
RJOB	82.65		P	09:04:37.796	0.2	48.8		5.12		TAS				m_e	
ROTZ	81.61		P	09:04:32.653	0.2	48.8		5.12		TAS				m_e	
TANN	81.06		P	09:04:29.915	0.2	48.8		5.12		TAS		8.2	1.19	m_e mb	4.6
TNS	83.08		P	09:04:40.218		48.8		5.12		TAS		12.6	1.01	m_e mb	5.1
UBBA	81.95		P	09:04:34.491	0.2	48.8		5.12		TAS				m_e	
UBR	84.04		P	09:04:44.660		48.8		5.12		TAS				m_e	
WERN	81.18		P	09:04:30.773	0.2	48.8		5.12		TAS		14.6	1.29	m_e mb	4.9
WET	81.69		P	09:04:33.107	0.2	48.8		5.12		TAS				m_e	
WLF	84.52		P	09:04:48.026		48.8		5.12		TAS				m_e	



Event 60419004 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/19	20:33:01.50			10.4580	93.5520				10.0			20		75.41	80.44	m i ke	BGR
OrigID 60419010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60419010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.78		P	20:45:07.156		89.8		5.51		TAS		7.4	0.95	m_e	mb	4.6
BFO	79.11		P	20:45:03.358		89.8		5.51		TAS		7.9	1.01	m_e	mb	4.7
BRG	75.41		P	20:44:42.884	-0.1	89.8		5.51		TAS		6.4	0.86	m_e	mb	4.7
BSEG	77.65		P	20:44:55.608	0.7	89.8		5.51		TAS		16.0	1.02	m_e	mb	5.1
BUG	79.60		P	20:45:06.278		89.8		5.51		TAS				m_e		
CLL	76.01		P	20:44:46.244	-0.4	89.8		5.51		TAS		6.8	1.04	m_e	mb	4.7
CLZ	77.65		P	20:44:55.444	-0.4	89.8		5.51		TAS		9.9	0.91	m_e	mb	4.9
FBE	75.78		P	20:44:44.938	-0.0	89.8		5.51		TAS		14.1	0.97	m_e	mb	5.1
FLT1	77.11		P	20:44:52.675	0.5	89.8		5.51		TAS				m_e		
FUR	77.15		P	20:44:52.488	0.5	89.8		5.51		TAS		12.6	0.95	m_e	mb	5.0
GEC2	75.53		P	20:44:43.351	-0.1	89.8		5.51		TAS		11.9	0.91	m_e	mb	5.0
GRA1	77.15		P	20:44:52.942	-0.1	89.8		5.51		TAS				m_e		
GTTG	77.91		P	20:44:56.969	0.1	89.8		5.51		TAS		7.3	0.87	m_e	mb	4.8
GUNZ	76.43		P	20:44:48.594	-0.1	89.8		5.51		TAS		2.8	0.80	m_e	mb	4.4
HLG	79.07		P	20:45:03.167	0.1	89.8		5.51		TAS				m_e		
IBBN	79.24		P	20:45:04.386		89.8		5.51		TAS		26.4	1.05	m_e	mb	5.2
KAST	78.89		P	20:45:02.435	0.1	89.8		5.51		TAS		3.7	0.89	m_e	mb	4.4
MANZ	76.57		P	20:44:49.467	0.5	89.8		5.51		TAS				m_e		
MOX	76.89		P	20:44:51.055	-0.5	89.8		5.51		TAS		3.2	0.84	m_e	mb	4.5
NEUB	76.78		P	20:44:50.644	-0.4	89.8		5.51		TAS		9.5	0.77	m_e	mb	5.0
NRDL	77.80		P	20:44:56.504	0.1	89.8		5.51		TAS				m_e		
ROTZ	76.51		P	20:44:49.106	0.2	89.8		5.51		TAS		2.0	1.00	m_e	mb	4.2
RUE	75.55		P	20:44:43.688	-0.3	89.8		5.51		TAS		25.1	0.76	m_e	mb	5.4
TANN	76.35		P	20:44:48.266	-0.0	89.8		5.51		TAS		2.8	0.93	m_e	mb	4.4
TNS	78.92		P	20:45:02.508	0.1	89.8		5.51		TAS		3.9	0.85	m_e	mb	4.5
UBR	77.95		P	20:44:56.747	0.1	89.8		5.51		TAS		8.1	0.77	m_e	mb	4.9
WERN	76.40		P	20:44:48.594	0.0	89.8		5.51		TAS				m_e		
WET	76.07		P	20:44:46.872	0.2	89.8		5.51		TAS		9.1	1.06	m_e	mb	4.8
WLF	80.44		P	20:45:10.775		89.8		5.51		TAS				m_e		

Event 60419005 Near coast of Ecuador

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

2016/04/19 22:22:32.22  
60419011

0.5470 -80.1530

33.0

16

87.19 92.17 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	60419011
Ms	4.9		BGR	60419011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.81		P	22:35:13.661	-0.3	270.9		4.80		TAS		104.8	1.65	m_e mb	5.9
ASSE	90.08		P	22:35:25.018		270.9		4.80		TAS				m_e	
BFO	88.58		P	22:35:16.882	0.9	270.9		4.80		TAS				m_e	
BRG	92.17		P	22:35:34.454		270.9		4.80		TAS				m_e	
BUG	87.96		P	22:35:14.175	-0.5	270.9		4.80		TAS		90.5	1.78	m_e mb	5.8
CLL	91.56		P	22:35:32.038		270.9		4.80		TAS				m_e	
CLZ	89.90		P	22:35:24.209		270.9		4.80		TAS		79.3	2.25	m_e mb	5.5
FBE	91.80		P	22:35:32.440		270.9		4.80		TAS				m_e	
FLT1	90.42		P	22:35:26.589		270.9		4.80		TAS				m_e	
FUR	90.55		P	22:35:27.397		270.9		4.80		TAS		150.1	2.16	m_e mb	5.9
GEC2	92.14		P	22:35:34.125		270.9		4.80		TAS				m_e	
GRA1	90.48		P	22:35:27.037		270.9		4.80		TAS		58.5	2.09	m_e mb	5.4
GRA1	90.48		L	23:13:41.851						T__		561.0	21.60	a_e Ms	5.0
GTTG	89.65		P	22:35:22.703		270.9		4.80		TAS				m_e	
GUNZ	91.17		P	22:35:30.565		270.9		4.80		TAS		88.9	2.29	m_e mb	5.7
HLG	88.41		P	22:35:16.442	0.9	270.9		4.80		TAS		602.3	1.25	m_e mb	6.8
IBBN	88.29		P	22:35:16.083	0.9	270.9		4.80		TAS				m_e	
KAST	88.68		P	22:35:17.751	0.9	270.9		4.80		TAS		68.3	2.21	m_e mb	5.5
MANZ	91.04		P	22:35:29.383		270.9		4.80		TAS		16.0	2.21	m_e mb	5.0
MOX	90.71		P	22:35:27.943		270.9		4.80		TAS				m_e	
MOX	90.71		L	23:18:54.353						T__		476.7	20.20	a_e Ms	4.9
NEUB	90.79		P	22:35:28.211		270.9		4.80		TAS				m_e	
NRDL	89.73		P	22:35:22.834	0.5	270.9		4.80		TAS				m_e	
PLN	91.06		P	22:35:29.692	0.0	270.9		4.80		TAS				m_e	
RETH	89.27		P	22:35:21.231	-0.5	270.9		4.80		TAS				m_e	
RGN	91.58		P	22:35:31.854		270.9		4.80		TAS				m_e	
RJOB	91.59		P	22:35:31.456		270.9		4.80		TAS		58.6	2.01	m_e mb	5.6
ROTZ	91.12		P	22:35:30.124		270.9		4.80		TAS		15.9	1.96	m_e mb	5.0
TANN	91.25		P	22:35:30.932		270.9		4.80		TAS		46.2	1.95	m_e mb	5.5
TNS	88.68		P	22:35:17.889	0.9	270.9		4.80		TAS		131.2	2.12	m_e mb	5.8
UBBA	89.68		P	22:35:22.736	0.5	270.9		4.80		TAS				m_e	
UBR	89.78		P	22:35:23.362	0.5	270.9		4.80		TAS		136.0	1.88	m_e mb	5.9
WERN	91.21		P	22:35:30.785		270.9		4.80		TAS				m_e	
WET	91.58		P	22:35:31.911		270.9		4.80		TAS		82.5	1.85	m_e mb	5.7
WLF	87.19		P	22:35:10.116	0.0	270.9		4.80		TAS		277.6	2.05	m_e mb	6.0

Event 60420001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2016/04/19 23:54:15.47 -23.2530 179.6510 575.3 14 148.32 152.14 m i ke BGR  
 60420007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.95		PKPbc	00:13:02.126	0.1	22.4		2.24		TAS					m_e
BRG	150.27		PKPbc	00:13:03.122	0.1	22.4		2.24		TAS					m_e
BSEG	148.32		PKPbc	00:12:58.551	-0.3	22.4		2.24		TAS					m_e
CLL	150.15		PKPbc	00:13:02.691	0.0	22.4		2.24		TAS					m_e
CLZ	150.29		PKPbc	00:13:03.115	0.4	22.4		2.24		TAS					m_e
FBE	150.40		PKPbc	00:13:03.465	0.3	22.4		2.24		TAS					m_e
FLT1	149.64		PKPbc	00:13:01.477	-0.0	22.4		2.24		TAS					m_e
GEC2	152.14		PKPbc	00:13:07.167	-0.6	22.4		2.24		TAS					m_e
MANZ	151.59		PKPbc	00:13:05.867	0.1	22.4		2.24		TAS					m_e
MOX	151.11		PKPbc	00:13:04.815	0.2	22.4		2.24		TAS					m_e
NEUB	150.57		PKPbc	00:13:03.714	-0.0	22.4		2.24		TAS					m_e
NRDL	149.73		PKPbc	00:13:01.777	-0.2	22.4		2.24		TAS					m_e
RETH	149.64		PKPbc	00:13:01.616	-0.1	22.4		2.24		TAS					m_e
TANN	151.10		PKPbc	00:13:04.807	0.0	22.4		2.24		TAS					m_e

Event 60420002 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2016/04/20 00:18:38.62 -19.9170 -177.6790 33.0 21 146.79 151.59 m i ke BGR  
 60420008

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.24		PKPbc	00:38:28.636	-0.2	16.6		2.63		TAS					m_e
BRG	147.77		PKPbc	00:38:19.498	-0.2	16.6		2.63		TAS					m_e
CLL	147.56		PKPbc	00:38:18.992	-0.1	16.6		2.63		TAS					m_e
CLZ	147.52		PKPbc	00:38:18.785	-0.2	16.6		2.63		TAS					m_e
FBE	147.86		PKPbc	00:38:19.794	-0.1	16.6		2.63		TAS					m_e
FLT1	146.91		PKPbc	00:38:17.171	-0.2	16.6		2.63		TAS					m_e
FUR	150.91		PKPbc	00:38:27.756	-0.1	16.6		2.63		TAS					m_e
GEC2	149.72		PKPbc	00:38:24.984	0.1	16.6		2.63		TAS					m_e
GUNZ	148.60		PKPbc	00:38:22.084	0.3	16.6		2.63		TAS					m_e
MANZ	149.00		PKPbc	00:38:22.944	0.1	16.6		2.63		TAS					m_e
NEUB	147.91		PKPbc	00:38:19.853	-0.1	16.6		2.63		TAS					m_e
PLN	148.51		PKPbc	00:38:21.542	-0.0	16.6		2.63		TAS					m_e
RETH	146.79		PKPbc	00:38:17.159	0.0	16.6		2.63		TAS					m_e
RJOB	150.97		PKPbc	00:38:28.005	-0.1	16.6		2.63		TAS					m_e
ROTZ	149.19		PKPbc	00:38:23.549	0.2	16.6		2.63		TAS					m_e

TANN	148.52	PKPbc	00:38:21.701	0.1	16.6	2.63	TAS	m_e
TNS	149.37	PKPbc	00:38:23.988	0.0	16.6	2.63	TAS	m_e
UBR	151.59	PKPbc	00:38:29.445	-0.2	16.6	2.63	TAS	m_e
WERD	148.52	PKPbc	00:38:21.829	0.2	16.6	2.63	TAS	m_e
WERN	148.66	PKPbc	00:38:22.041	0.1	16.6	2.63	TAS	m_e
WLF	150.16	PKPbc	00:38:26.534	0.2	16.6	2.63	TAS	m_e

Event 60420004 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/20	08:33:52.09			0.6650	-80.2110				39.4					90.43	90.43	m i ke	BGR
OrigID 60420010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	60420010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.43		P	08:46:48.031		263.5		5.52		TAS		74.9	2.12	m_e mb	5.5

Event 60420005 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/20	10:51:44.69			13.2530	-56.1280				26.3	1.4		29		62.13	67.26	m i ke	BGR
OrigID 60420011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	60420011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	62.90		P	11:02:05.578	0.1	260.3		6.46		TAS		16.1	0.94	m_e mb	5.1
ASSE	65.43		P	11:02:21.940	0.2	260.3		6.46		TAS		12.1	0.96	m_e mb	5.1
ASSE	65.43		pP	11:02:29.356	-0.2					T__				m_e	
BFO	63.27		P	11:02:07.625	0.2	260.3		6.46		TAS				m_e	
BRG	67.26		P	11:02:33.711		260.3		6.46		TAS		9.6	0.83	m_e mb	5.1
BRG	67.26		pP	11:02:41.226	-0.2					T__				m_e	
BSEG	65.56		P	11:02:22.896	-0.4	260.3		6.46		TAS				m_e	
BUG	63.22		P	11:02:07.634	-0.2	260.3		6.46		TAS				m_e	
CLL	66.73		P	11:02:30.438	-0.2	260.3		6.46		TAS		8.4	0.79	m_e mb	5.0
CLZ	65.19		P	11:02:20.394	0.1	260.3		6.46		TAS		10.0	0.92	m_e mb	5.0
FBE	66.90		P	11:02:31.647	-0.2	260.3		6.46		TAS		7.4	0.77	m_e mb	5.0
FBE	66.90		pP	11:02:38.983	-0.2					T__				m_e	
FLT1	65.81		P	11:02:24.301	-0.1	260.3		6.46		TAS		8.1	0.77	m_e mb	5.0
FLT1	65.81		pP	11:02:31.859	-0.2					T__				m_e	

GEC2	66.87	P	11:02:30.920	0.7	260.3	6.46	TAS	26.9	1.03	m_e	mb	5.4
GEC2	66.87	pP	11:02:38.716	-0.2			T__				m_e	
GRA1	65.37	P	11:02:21.669	0.5	260.3	6.46	TAS				m_e	
GRA1	65.37	pP	11:02:28.847	-0.2			T__				m_e	
GTTG	64.89	P	11:02:18.639	0.1	260.3	6.46	TAS				m_e	
GUNZ	66.18	P	11:02:26.853	0.0	260.3	6.46	TAS	4.9	0.83	m_e	mb	4.8
IBBN	63.71	P	11:02:10.547	-0.2	260.3	6.46	TAS				m_e	
KAST	63.87	P	11:02:11.861	-0.1	260.3	6.46	TAS				m_e	
MANZ	65.98	P	11:02:25.497	-0.1	260.3	6.46	TAS	2.9	0.92	m_e	mb	4.5
MANZ	65.98	pP	11:02:32.956	-0.2			T__				m_e	
MOX	65.77	P	11:02:23.823	-0.3	260.3	6.46	TAS	4.6	0.91	m_e	mb	4.7
MOX	65.77	pP	11:02:31.394	-0.2			T__				m_e	
NRDL	65.15	P	11:02:20.394	-0.2	260.3	6.46	TAS	17.1	1.04	m_e	mb	5.2
RJOB	66.14	P	11:02:26.374	-0.1	260.3	6.46	TAS	7.6	0.80	m_e	mb	5.0
ROTZ	66.01	P	11:02:25.657	0.1	260.3	6.46	TAS	1.7	0.83	m_e	mb	4.3
ROTZ	66.01	pP	11:02:32.901	-0.2			T__				m_e	
STU	63.91	P	11:02:12.020	0.4	260.3	6.46	TAS	52.5	0.79	m_e	mb	5.8
TANN	66.27	P	11:02:27.650	0.0	260.3	6.46	TAS				m_e	
TANN	66.27	pP	11:02:34.822	-0.2			T__				m_e	
TNS	63.70	P	11:02:10.625	0.2	260.3	6.46	TAS	20.0	1.03	m_e	mb	5.3
UBBA	64.78	P	11:02:18.161	-0.0	260.3	6.46	TAS				m_e	
UBBA	64.78	pP	11:02:25.242	-0.2			T__				m_e	
UBR	64.34	P	11:02:15.051	0.2	260.3	6.46	TAS	11.8	0.83	m_e	mb	5.2
WERD	66.17	P	11:02:26.773	-0.0	260.3	6.46	TAS	11.4	1.12	m_e	mb	5.0
WERD	66.17	pP	11:02:34.306	-0.2			T__				m_e	
WERN	66.19	P	11:02:27.012	0.2	260.3	6.46	TAS				m_e	
WERN	66.19	pP	11:02:34.431	-0.2			T__				m_e	
WET	66.37	P	11:02:27.969	-0.6	260.3	6.46	TAS	8.8	1.04	m_e	mb	4.9
WLF	62.13	P	11:02:00.349	-0.4	260.3	6.46	TAS	11.2	0.82	m_e	mb	5.1

Event 60420006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/20	11:33:30.45			-19.1960	-177.3130				355.6					144.83	150.95	m i ke	BGR
	60420012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.54		PKPbc	11:52:29.319						T__				m_e	
BFO	150.58		PKPbc	11:52:39.747						T__				m_e	
BRG	147.16		PKPbc	11:52:30.736						T__				m_e	
BSEG	144.83		PKP	11:52:24.257						T__				m_e	
BUG	147.62		PKPbc	11:52:32.407						T__				m_e	
CLL	146.94		PKPbc	11:52:30.382						T__				m_e	
CLZ	146.87		PKPbc	11:52:30.281						T__				m_e	

FBE	147.23	PKPbc	11:52:31.648	T__	m_e
FLT1	146.26	PKP	11:52:28.049	T__	m_e
GEC2	149.11	PKPbc	11:52:36.558	T__	m_e
GRA1	148.81	PKPbc	11:52:36.406	T__	m_e
GTTG	147.21	PKPbc	11:52:31.040	T__	m_e
GUNZ	147.97	PKPbc	11:52:33.470	T__	m_e
IBBN	146.72	PKPbc	11:52:30.129	T__	m_e
KAST	147.74	PKPbc	11:52:32.407	T__	m_e
MANZ	148.37	PKPbc	11:52:34.483	T__	m_e
MOX	147.83	PKPbc	11:52:32.610	T__	m_e
NRDL	146.27	PKPbc	11:52:28.104	T__	m_e
RJOB	150.36	PKPbc	11:52:38.684	T__	m_e
ROTZ	148.56	PKPbc	11:52:34.634	T__	m_e
TANN	147.89	PKPbc	11:52:32.913	T__	m_e
TNS	148.70	PKP	11:52:35.242	T__	m_e
UBBA	147.92	PKPbc	11:52:33.116	T__	m_e
UBR	150.95	PKPbc	11:52:40.507	T__	m_e
WERD	147.89	PKPbc	11:52:32.964	T__	m_e
WERN	148.03	PKPbc	11:52:33.571	T__	m_e
WET	149.02	PKP	11:52:36.406	T__	m_e
WLF	149.48	PKPbc	11:52:37.520	T__	m_e

Event 60420007 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
2016/04/20	12:19:47.84			37.8890	141.6320				50.8			31		79.38	84.64	m i k e	BGR
OrigID 60420013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	60420013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.30	P		12:32:07.344	-0.2	38.1		5.28		TAS		36.2	1.01	m_e mb	5.6
ASSE	80.69	P		12:31:53.466	0.2	38.1		5.28		TAS		15.8	0.89	m_e mb	5.1
BFO	84.64	P		12:32:14.231	-0.7	38.1		5.28		TAS		56.5	0.89	m_e mb	5.8
BRG	80.41	P		12:31:51.959	-0.1	38.1		5.28		TAS		29.1	0.90	m_e mb	5.2
BSEG	79.38	P		12:31:46.739	-0.1	38.1		5.28		TAS		57.1	0.88	m_e mb	5.6
BUG	82.49	P		12:32:03.161	1.0	38.1		5.28		TAS		25.5	0.84	m_e mb	5.4
CLL	80.44	P		12:31:52.237	-0.1	38.1		5.28		TAS		55.4	0.89	m_e mb	5.5
CLZ	81.03	P		12:31:55.271	0.2	38.1		5.28		TAS		52.4	0.95	m_e mb	5.5
FBE	80.61	P		12:31:53.114	-0.0	38.1		5.28		TAS		50.0	0.87	m_e mb	5.6
FLT1	80.32	P		12:31:51.545	-1.1	38.1		5.28		TAS		52.8	0.86	m_e mb	5.5
FUR	83.61	P		12:32:08.776	0.2	38.1		5.28		TAS		66.3	0.81	m_e mb	5.9
GEC2	82.08	P		12:32:00.695	-0.5	38.1		5.28		TAS		19.2	0.87	m_e mb	5.2
GRA1	82.42	P		12:32:02.539	0.2	38.1		5.28		TAS		55.5	0.89	m_e mb	5.7
GTTG	81.42	P		12:31:57.520	0.0	38.1		5.28		TAS		44.1	0.95	m_e mb	5.5

Station	Mag	Phase	Time	TRes	Az	Depth	TAS	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual
GUNZ	81.45	P	12:31:57.550	-0.1	38.1	5.28	TAS	24.6	0.93	m_e	mb	5.2		
IBBN	81.61	P	12:31:58.566	-0.0	38.1	5.28	TAS	49.8	0.91	m_e	mb	5.6		
KAST	82.27	P	12:32:01.989	0.1	38.1	5.28	TAS	18.2	0.89	m_e	mb	5.2		
MANZ	81.83	P	12:31:59.552	0.1	38.1	5.28	TAS	6.4	0.91	m_e	mb	4.7		
MOX	81.51	P	12:31:57.721	0.2	38.1	5.28	TAS	20.5	0.97	m_e	mb	5.2		
NEUB	81.01	P	12:31:55.128	0.1	38.1	5.28	TAS	74.3	0.96	m_e	mb	5.7		
NRDL	80.61	P	12:31:53.060	-0.0	38.1	5.28	TAS	18.2	0.85	m_e	mb	5.1		
RJOB	83.32	P	12:32:07.259	0.5	38.1	5.28	TAS	49.2	0.89	m_e	mb	5.7		
ROTZ	81.97	P	12:32:00.201	0.4	38.1	5.28	TAS	7.6	1.08	m_e	mb	4.7		
STU	83.95	P	12:32:10.630	0.2	38.1	5.28	TAS	111.0	0.97	m_e	mb	6.1		
TANN	81.36	P	12:31:57.101	-0.4	38.1	5.28	TAS	8.1	0.91	m_e	mb	4.7		
TNS	83.06	P	12:32:05.912	-0.3	38.1	5.28	TAS	20.2	0.94	m_e	mb	5.3		
UBBA	81.99	P	12:32:00.508	0.1	38.1	5.28	TAS	9.2	0.96	m_e	mb	4.9		
UBR	84.47	P	12:32:13.113	-0.6	38.1	5.28	TAS	20.8	1.00	m_e	mb	5.3		
WERD	81.39	P	12:31:57.149	0.1	38.1	5.28	TAS	15.0	0.92	m_e	mb	5.0		
WERN	81.49	P	12:31:57.754	0.3	38.1	5.28	TAS	20.8	0.86	m_e	mb	5.2		
WET	82.19	P	12:32:01.193	0.4	38.1	5.28	TAS	26.3	0.95	m_e	mb	5.3		

Event 60421002 Near north coast of New Guinea, Papua New Guinea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/21	14:28:12.31		-3.6620	142.6750				10.0			18		116.66	120.85	m i ke	BGR	
60421008																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	120.25		PKPdf	14:46:59.672		60.6		1.77		TAS				m_e	
ASSE	117.49		PKPdf	14:46:54.340	-0.2	60.6		1.77		TAS				m_e	
BFO	120.85		PKPdf	14:47:00.475		60.6		1.77		TAS				m_e	
BSEG	116.66		PKPdf	14:46:53.194	0.2	60.6		1.77		TAS				m_e	
BUG	119.62		PKPdf	14:46:58.755		60.6		1.77		TAS				m_e	
CLL	116.70		PKPdf	14:46:53.308	-0.1	60.6		1.77		TAS				m_e	
CLZ	117.81		PKPdf	14:46:55.315	0.4	60.6		1.77		TAS				m_e	
FBE	116.70		PKPdf	14:46:53.263	0.5	60.6		1.77		TAS				m_e	
FLT1	117.09		PKPdf	14:46:53.767	-0.4	60.6		1.77		TAS				m_e	
GEC2	117.53		PKPdf	14:46:54.455	0.6	60.6		1.77		TAS				m_e	
GRA1	118.51		PKPdf	14:46:56.404	-0.1	60.6		1.77		TAS				m_e	
GUNZ	117.55		PKPdf	14:46:54.671	-0.1	60.6		1.77		TAS				m_e	
IBBN	118.86		PKPdf	14:46:57.399	-0.1	60.6		1.77		TAS				m_e	
KAST	119.18		PKPdf	14:46:57.745		60.6		1.77		TAS				m_e	
MANZ	117.87		PKPdf	14:46:55.257	-0.1	60.6		1.77		TAS				m_e	
MOX	117.79		PKPdf	14:46:55.076	-0.1	60.6		1.77		TAS				m_e	
NEUB	117.42		PKPdf	14:46:54.338	0.2	60.6		1.77		TAS				m_e	
NRDL	117.58		PKPdf	14:46:55.028	0.0	60.6		1.77		TAS				m_e	
RJOB	118.60		PKPdf	14:46:56.470	-0.1	60.6		1.77		TAS				m_e	

TANN	117.45	PKPdf	14:46:54.214	0.2	60.6	1.77	TAS	m_e
UBR	120.20	PKPdf	14:46:59.271		60.6	1.77	TAS	m_e
WERD	117.52	PKPdf	14:46:54.283	0.6	60.6	1.77	TAS	m_e
WERN	117.56	PKPdf	14:46:54.520	-0.1	60.6	1.77	TAS	m_e
WET	117.86	PKPdf	14:46:55.315	0.0	60.6	1.77	TAS	m_e

Event 60422009 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/22	03:03:48.92			0.4380	-79.8490				33.0			17		87.07	91.69	m i ke	BGR
OrigID 60422015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	60422015
Ms	5.6		BGR	60422015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.70		P	03:16:34.590		271.1		4.65		TAS		29.8	1.24	m_e mb	5.5
ASSE	89.98		P	03:16:45.524	-0.7	271.1		4.65		TAS				m_e	
BUG	87.86		P	03:16:34.823	-0.1	271.1		4.65		TAS		20.1	1.22	m_e mb	5.3
CLZ	89.80		P	03:16:44.942	-0.1	271.1		4.65		TAS				m_e	
FBE	91.69		P	03:16:53.437	0.1	271.1		4.65		TAS		13.5	1.05	m_e mb	5.2
GRA1	90.36		L	04:10:12.458						T__		2186.5	19.90	a_e Ms	5.6
GUNZ	91.06		P	03:16:50.180		271.1		4.65		TAS				m_e	
IBBN	88.19		P	03:16:36.736	-0.0	271.1		4.65		TAS		150.3	1.98	m_e mb	6.0
MOX	90.60		L	03:54:51.284						T__		2212.5	21.50	a_e Ms	5.6
RETH	89.17		P	03:16:41.571	0.6	271.1		4.65		TAS		21.7	1.11	m_e mb	5.3
RJOB	91.46		P	03:16:52.274		271.1		4.65		TAS		15.2	1.11	m_e mb	5.2
STU	89.04		P	03:16:40.640		271.1		4.65		TAS		62.9	1.21	m_e mb	5.7
TANN	91.14		P	03:16:49.947		271.1		4.65		TAS		11.4	1.25	m_e mb	5.1
TNS	88.57		P	03:16:38.546		271.1		4.65		TAS		56.5	1.60	m_e mb	5.5
UBR	89.65		P	03:16:43.897		271.1		4.65		TAS		121.5	1.79	m_e mb	5.8
WERD	91.04		P	03:16:49.947		271.1		4.65		TAS		5.7	0.99	m_e mb	4.9
WERN	91.09		P	03:16:50.180		271.1		4.65		TAS				m_e	
WET	91.46		P	03:16:52.274		271.1		4.65		TAS		64.4	1.64	m_e mb	5.7
WLF	87.07		P	03:16:32.031		271.1		4.65		TAS		64.1	1.07	m_e mb	5.7

Event 60423002 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/23	01:24:34.00			0.6000	-80.2700				10.0					90.52	90.74	m i ke	NEIC
OrigID 60423069																	



Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	60423008
Ms	5.1		BGR	60423008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.52		P	01:37:33.515		263.0		5.39		TAS		95.5	2.52	m_e	mb 5.7
GRA1	90.52		L	02:14:39.862						T__		768.0	20.50	a_e	Ms 5.1
MOX	90.74		L	02:19:51.786						T__		743.1	20.10	a_e	Ms 5.1

Event 60423004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/23	23:11:09.01			-17.4800	-172.1380				33.0			17		145.12	149.83	m i ke	BGR
OrigID 60423010																	

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
BFO	149.23		PKPbc	23:30:57.778		6.0		2.83		TAS		38.5	1.28	m_e	
BRG	146.33		PKPbc	23:30:49.999	0.2	6.0		2.83		TAS		48.8	1.42	m_e	
CLL	146.00		PKPbc	23:30:48.634	-0.5	6.0		2.83		TAS	114.1	1.76	m_e		
CLZ	145.66		PKPbc	23:30:48.361	0.2	6.0		2.83		TAS		84.6	1.66	m_e	
FBE	146.35		PKPbc	23:30:50.408	0.3	6.0		2.83		TAS	114.0	1.41	m_e		
FLT1	145.12		PKPbc	23:30:45.769	-0.8	6.0		2.83		TAS		17.0	1.08	m_e	
FUR	149.27		PKPbc	23:30:58.460		6.0		2.83		TAS		42.4	1.26	m_e	
GEC2	148.36		PKPbc	23:30:56.140		6.0		2.83		TAS		25.6	1.27	m_e	
GTTG	145.97		PKPbc	23:30:49.044	0.0	6.0		2.83		TAS		79.8	1.48	m_e	
MANZ	147.39		PKPbc	23:30:52.865		6.0		2.83		TAS		9.2	1.43	m_e	
MOX	146.78		PKPbc	23:30:51.500	0.1	6.0		2.83		TAS		53.1	1.50	m_e	
PLN	146.89		PKPbc	23:30:52.057	0.4	6.0		2.83		TAS		47.4	1.62	m_e	
RJOB	149.55		PKPbc	23:30:58.869		6.0		2.83		TAS		15.7	1.23	m_e	
ROTZ	147.60		PKPbc	23:30:53.684		6.0		2.83		TAS		8.6	1.26	m_e	
TANN	146.94		PKPbc	23:30:52.046	-0.5	6.0		2.83		TAS				m_e	
UBR	149.83		PKPbc	23:30:59.688		6.0		2.83		TAS		49.0	1.50	m_e	
WLF	147.87		PKPbc	23:30:55.185		6.0		2.83		TAS		34.1	1.14	m_e	

Event 60424002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/24	15:25:18.42			-17.8780	-177.1860				33.0			25		143.55	149.30	m i ke	BGR
OrigID 60424008																	

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
BFO	149.30		PKPbc	15:45:02.807		15.0		2.85		TAS				m_e	
BRG	145.90		PKPbc	15:44:53.910	0.3	15.0		2.85		TAS				m_e	
BSEG	143.55		PKPbc	15:44:46.302	-0.9	15.0		2.85		TAS				m_e	
CLL	145.68		PKPbc	15:44:52.974	0.5	15.0		2.85		TAS				m_e	
CLZ	145.59		PKPbc	15:44:53.208	0.1	15.0		2.85		TAS				m_e	
FBE	145.98		PKPbc	15:44:54.496	-0.1	15.0		2.85		TAS				m_e	
FLT1	144.99		PKPbc	15:44:50.633	-0.0	15.0		2.85		TAS				m_e	
GEC2	147.87		PKPbc	15:44:59.295	-0.7	15.0		2.85		TAS				m_e	
GRA1	147.55		PKPbc	15:44:58.593	-0.8	15.0		2.85		TAS				m_e	
GTTG	145.93		PKPbc	15:44:54.262	0.0	15.0		2.85		TAS				m_e	
GUNZ	146.71		PKPbc	15:44:56.486	0.2	15.0		2.85		TAS				m_e	
IBBN	145.43		PKPbc	15:44:52.740	-0.2	15.0		2.85		TAS				m_e	
KAST	146.45		PKPbc	15:44:55.549	0.2	15.0		2.85		TAS				m_e	
MANZ	147.11		PKPbc	15:44:57.422	0.1	15.0		2.85		TAS				m_e	
MOX	146.56		PKPbc	15:44:55.666	0.1	15.0		2.85		TAS				m_e	
NEUB	146.00		PKPbc	15:44:54.027	0.0	15.0		2.85		TAS				m_e	
NRDL	144.99		PKPbc	15:44:51.218	0.0	15.0		2.85		TAS				m_e	
PLN	146.62		PKPbc	15:44:56.017	0.4	15.0		2.85		TAS				m_e	
RETH	144.84		PKPbc	15:44:50.867	-0.6	15.0		2.85		TAS				m_e	
RJOB	149.12		PKPbc	15:45:02.221		15.0		2.85		TAS				m_e	
ROTZ	147.30		PKPbc	15:44:58.007	-0.2	15.0		2.85		TAS				m_e	
TANN	146.63		PKPbc	15:44:56.017	0.5	15.0		2.85		TAS				m_e	
TNS	147.42		PKPbc	15:44:58.476	0.4	15.0		2.85		TAS				m_e	
WERN	146.77		PKPbc	15:44:56.720	0.2	15.0		2.85		TAS				m_e	
WLF	148.18		PKPbc	15:45:01.051		15.0		2.85		TAS				m_e	

Event 60429001 Off coast of Guerrero, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/29	01:33:54.16			13.1290	-103.4210				32.2					95.29	95.29	m i ke	BGR
60429007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	60429007
MBB	6.1		BGR	60429007
Ms	6.5		BGR	60429007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	95.29		P	01:47:14.395		289.7		4.49		TAS		292.0	3.16	m_e mb	6.2
GRA1	95.29		pP	01:47:23.856						T__		292.0	3.16	m_e	
GRA1	95.29		L	02:29:35.574						T__		17060.4	21.60	a_e Ms	6.5

Event 60429002 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/29	04:36:16.02			38.3620	77.4430				21.0					47.48	47.48	m i ke	BGR
OrigID 60429008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60429008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	47.48		P	04:44:48.505		82.1		6.92		TAS		7.2	0.70	m_e	mb 4.9
GRA1	47.48		pP	04:44:54.157		82.4		7.09		TAS				m_e	

Event 60429005 Kodiak Island, Alaska, United States, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/04/29	08:17:29.51			58.6050	-151.9270				33.0				18	68.97	73.28	m i ke	BGR
OrigID 60429011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	60429011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	72.20		P	08:28:49.074		350.8		6.08		TAS		7.5	0.81	m_e	mb 4.9
BRG	70.27		P	08:28:37.285		350.8		6.08		TAS		12.4	1.12	m_e	mb 4.9
BUG	69.01		P	08:28:29.474	0.0	350.8		6.08		TAS		15.2	0.82	m_e	mb 5.3
CLZ	68.97		P	08:28:29.912	-0.1	350.8		6.08		TAS		15.0	0.55	m_e	mb 5.4
FBE	70.17		P	08:28:36.872	-0.1	350.8		6.08		TAS		7.6	0.96	m_e	mb 4.8
GEC2	72.26		P	08:28:49.608		350.8		6.08		TAS		7.1	0.90	m_e	mb 4.8
GRA1	71.18		P	08:28:43.331		350.8		6.08		TAS		8.4	0.59	m_e	mb 5.1
GTTG	69.22		P	08:28:31.391	0.2	350.8		6.08		TAS		18.5	0.55	m_e	mb 5.5
GUNZ	70.63		P	08:28:39.738		350.8		6.08		TAS		4.5	0.70	m_e	mb 4.7
MOX	70.28		P	08:28:37.525		350.8		6.08		TAS		20.4	0.52	m_e	mb 5.5
NEUB	69.76		P	08:28:34.219	-0.1	350.8		6.08		TAS		22.8	0.58	m_e	mb 5.5
PLN	70.49		P	08:28:38.762		350.8		6.08		TAS		6.5	0.58	m_e	mb 5.0
RJOB	73.28		P	08:28:55.637		350.8		6.08		TAS		17.9	0.60	m_e	mb 5.4
ROTZ	71.21		P	08:28:43.363		350.8		6.08		TAS		1.8	0.68	m_e	mb 4.3
TNS	70.35		P	08:28:37.945		350.8		6.08		TAS		8.1	0.70	m_e	mb 5.0
UBR	73.05		P	08:28:54.522		350.8		6.08		TAS		9.8	0.67	m_e	mb 5.1
WERD	70.55		P	08:28:39.097		350.8		6.08		TAS		3.9	0.57	m_e	mb 4.7
WERN	70.71		P	08:28:40.370		350.8		6.08		TAS		8.6	0.62	m_e	mb 5.0

Event 60429007 Tonga Islands  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2016/04/29 20:07:18.50 -15.0600 -173.3800 35.0 145.26 145.26 m i ke NEIC  
60429046

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 145.26 PKP 20:26:53.527 7.8 2.91 TAS m\_e

Event 60429008 Crete, Greece  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2016/04/29 23:36:29.60 34.3700 26.5400 30.0 19.02 19.02 m i ke NEIC  
60429100

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 19.02 Pn 23:40:48.035 T\_\_ m\_e

Event 60430001 Southern Mid-Atlantic Ridge  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2016/04/30 00:36:10.59 -30.0010 -13.0030 33.0 82.21 82.21 m i ke BGR  
60430007

Magnitude Err Nsta Author OrigID  
mb 4.8 BGR 60430007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 82.21 P 00:48:30.591 199.8 5.63 TAS 10.2 1.16 m\_e mb 4.8

Event 60430003 Vanuatu Islands  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2016/04/30 08:35:43.30 -16.2500 167.2100 10.0 141.38 141.38 m i ke EMSC  
60430035

Magnitude	Err	Nsta	Author	OrigID														
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude			
GRA1	141.38		PKPdf	08:55:17.130		38.8		1.28		TAS					m_e			