

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

(produced by SZO/BGR - HANNOVER)

MARCH 2016

UPDATED 13.October 2017

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

Event 60302005 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/02	12:49:45.30			-5.0110	93.9270				10.0				36	87.56	92.34	m i ke	BGR
OrigID																	
60302011																	

Magnitude	Err	Nsta	Author	OrigID
mb	7.3		BGR	60302011
Ms	7.5		BGR	60302011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	91.83		P	13:02:53.847	0.2	98.8		4.69		TAS		1267.9	1.24	m_e mb	7.1
ASSE	89.78		P	13:02:43.807	-0.2	98.8		4.69		TAS		4854.1	2.29	m_e mb	7.3
BFO	90.78		P	13:02:48.305	-0.4	98.8		4.69		TAS		2118.1	1.95	m_e mb	7.1
BRG	87.56		P	13:02:33.750	0.1	98.8		4.69		TAS		5552.8	2.32	m_e mb	7.5
BSEG	90.25		P	13:02:46.240	-0.0	98.8		4.69		TAS		1475.7	1.20	m_e mb	7.1
BUG	91.79		P	13:02:53.434	-0.1	98.8		4.69		TAS		1336.3	1.23	m_e mb	7.1
CLL	88.22		P	13:02:36.330	-0.4	98.8		4.69		TAS		5308.5	2.48	m_e mb	7.4
CLZ	89.92		P	13:02:44.795	0.1	98.8		4.69		TAS		6244.3	2.33	m_e mb	7.4
FBE	87.93		P	13:02:35.653	0.3	98.8		4.69		TAS		8509.4	2.58	m_e mb	7.6
FLT1	89.47		P	13:02:41.867	-0.7	98.8		4.69		TAS		4669.2	2.38	m_e mb	7.3
FUR	88.80		P	13:02:39.125	-0.3	98.8		4.69		TAS		6673.8	2.31	m_e mb	7.5
GRA1	89.07		P	13:02:41.113	0.4	98.8		4.69		TAS		3237.5	1.65	m_e mb	7.3
GRA1	89.07		L	13:48:58.475						T__		142574.0	18.90	a_e Ms	7.4
GTTG	90.13		P	13:02:45.695	-0.0	98.8		4.69		TAS		1563.9	1.25	m_e mb	7.1
GUNZ	88.47		P	13:02:38.140	0.2	98.8		4.69		TAS		1693.7	1.68	m_e mb	7.1
HLG	91.71		P	13:02:53.162	0.1	98.8		4.69		TAS		5012.4	1.96	m_e mb	7.5
IBBN	91.58		P	13:02:52.476	-0.0	98.8		4.69		TAS		2526.7	1.23	m_e mb	7.4
KAST	91.05		P	13:02:50.057	0.0	98.8		4.69		TAS		1427.5	1.34	m_e mb	7.1
MANZ	88.55		P	13:02:38.863	0.6	98.8		4.69		TAS		1705.7	2.26	m_e mb	6.9
MOX	88.97		P	13:02:40.323	0.1	98.8		4.69		TAS		4180.8	2.32	m_e mb	7.3

MOX	88.97	L	13:49:16.371						T__	251110.0	19.30	a_e	Ms	7.7
NEUB	88.96	P	13:02:40.024	-0.2	98.8	4.69			TAS	1274.6	1.06	m_e	mb	7.1
NRDL	90.18	P	13:02:46.161	0.2	98.8	4.69			TAS	3067.1	1.57	m_e	mb	7.3
PLN	88.60	P	13:02:38.534	0.0	98.8	4.69			TAS	4173.8	2.45	m_e	mb	7.2
RETH	90.66	P	13:02:48.055	-0.1	98.8	4.69			TAS	1325.9	1.23	m_e	mb	7.1
RGN	88.61	P	13:02:38.522	-0.0	98.8	4.69			TAS	9364.8	2.31	m_e	mb	7.6
RJOB	87.73	P	13:02:33.815	-0.6	98.8	4.69			TAS	6812.3	2.45	m_e	mb	7.5
ROTZ	88.45	P	13:02:38.270	0.4	98.8	4.69			TAS	1436.0	2.60	m_e	mb	6.8
RUE	87.96	P	13:02:35.177	-0.3	98.8	4.69			TAS	3312.8	1.33	m_e	mb	7.5
STU	90.26	P	13:02:46.156	-0.1	98.8	4.69			TAS	12760.4	2.37	m_e	mb	7.7
TANN	88.40	P	13:02:37.705	0.1	98.8	4.69			TAS	3300.5	2.44	m_e	mb	7.2
TNS	90.92	P	13:02:49.570	0.2	98.8	4.69			TAS	1051.7	1.18	m_e	mb	7.0
UBBA	90.01	P	13:02:45.192	0.1	98.8	4.69			TAS	3993.8	2.16	m_e	mb	7.3
UBR	89.51	P	13:02:42.767	-0.0	98.8	4.69			TAS	1683.3	1.29	m_e	mb	7.1
WERD	88.50	P	13:02:38.074	0.0	98.8	4.69			TAS	1801.1	1.76	m_e	mb	7.0
WERN	88.43	P	13:02:38.014	0.3	98.8	4.69			TAS	2579.6	2.13	m_e	mb	7.2
WET	87.92	P	13:02:35.425	0.1	98.8	4.69			TAS	8300.8	2.33	m_e	mb	7.7
WLF	92.34	P	13:02:56.149	0.1	98.8	4.69			TAS	4296.3	2.61	m_e	mb	7.3

Event 60303001 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/03	00:10:57.23			-3.8020	93.9570				10.0			23		86.64	90.92	m i ke	BGR
OrigID 60303007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60303007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	90.92	P		00:24:01.106		98.0		4.74		TAS		6.2	0.80	m_e	mb	5.0
BRG	86.64	P		00:23:40.914	-0.0	98.0		4.74		TAS		4.9	0.94	m_e	mb	4.6
BSEG	89.30	P		00:23:53.698		98.0		4.74		TAS		10.6	0.98	m_e	mb	5.0
CLL	87.29	P		00:23:43.636	-0.4	98.0		4.74		TAS		8.3	0.96	m_e	mb	4.8
CLZ	89.00	P		00:23:52.384	0.1	98.0		4.74		TAS		11.5	0.97	m_e	mb	5.1
FBE	87.01	P		00:23:42.813	0.1	98.0		4.74		TAS		13.8	1.04	m_e	mb	5.0
FLT1	88.53	P		00:23:49.064	-0.0	98.0		4.74		TAS		5.8	0.75	m_e	mb	4.9
GRA1	88.17	P		00:23:48.770	-0.4	98.0		4.74		TAS		12.8	0.94	m_e	mb	5.2
GUNZ	87.56	P		00:23:45.365	0.0	98.0		4.74		TAS		6.5	0.97	m_e	mb	4.9
IBBN	90.65	P		00:24:00.195		98.0		4.74		TAS		17.9	0.96	m_e	mb	5.4
KAST	90.14	P		00:23:57.613		98.0		4.74		TAS		6.0	0.81	m_e	mb	4.9
MANZ	87.65	P		00:23:46.138	0.4	98.0		4.74		TAS		4.1	1.09	m_e	mb	4.7
MOX	88.06	P		00:23:47.629	0.3	98.0		4.74		TAS		13.5	1.15	m_e	mb	5.2
NEUB	88.04	P		00:23:47.973	-0.1	98.0		4.74		TAS		11.5	0.82	m_e	mb	5.2
NRDL	89.24	P		00:23:53.244		98.0		4.74		TAS		15.0	1.01	m_e	mb	5.2
ROTZ	87.55	P		00:23:45.138	-0.1	98.0		4.74		TAS		1.3	0.93	m_e	mb	4.2
RUE	87.02	P		00:23:42.967	0.2	98.0		4.74		TAS		35.9	1.08	m_e	mb	5.4

TANN	87.49	P	00:23:44.759	-0.2	98.0	4.74	TAS	5.5	1.09	m_e	mb	4.6
TNS	90.02	P	00:23:56.884		98.0	4.74	TAS	11.6	0.94	m_e	mb	5.1
UBBA	89.10	P	00:23:52.242	0.2	98.0	4.74	TAS	2.5	0.72	m_e	mb	4.5
UBR	88.64	P	00:23:50.296	0.1	98.0	4.74	TAS	6.4	0.78	m_e	mb	4.9
WERN	87.52	P	00:23:45.077	-0.1	98.0	4.74	TAS	4.8	0.98	m_e	mb	4.8
WET	87.02	P	00:23:42.645	-0.1	98.0	4.74	TAS	10.7	0.97	m_e	mb	4.9

Event 60303002 Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/03	07:11:17.75			32.7200	132.2000				54.0	0.5		25		78.46	85.03	m i ke	BGR
	60303008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	60303008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.00		P	07:23:46.826		46.7		5.23		TAS		106.9	1.75	m_e	mb	5.8
BRG	80.60		P	07:23:24.206	-0.4	46.7		5.23		TAS		19.7	1.06	m_e	mb	5.1
BSEG	80.18		P	07:23:22.451	0.2	46.7		5.23		TAS		25.6	0.87	m_e	mb	5.2
BUG	83.25		P	07:23:38.240		46.7		5.23		TAS		65.1	1.46	m_e	mb	5.6
CLL	80.76		P	07:23:25.134	-0.2	46.7		5.23		TAS		49.3	0.90	m_e	mb	5.5
CLL	80.76		pP	07:23:40.510						T__				m_e		
CLZ	81.60		P	07:23:30.271	0.0	46.7		5.23		TAS		47.3	0.97	m_e	mb	5.6
FBE	80.85		P	07:23:26.031	0.2	46.7		5.23		TAS		49.8	1.05	m_e	mb	5.5
FBE	80.85		pP	07:23:41.424						T__				m_e		
FLT1	80.88		P	07:23:25.687	-0.3	46.7		5.23		TAS		45.4	1.00	m_e	mb	5.5
FLT1	80.88		pP	07:23:41.008						T__				m_e		
GRA1	82.69		P	07:23:35.901		46.7		5.23		TAS		104.9	1.24	m_e	mb	5.9
GTTG	81.99		P	07:23:32.037	0.0	46.7		5.23		TAS		43.3	1.10	m_e	mb	5.5
GUNZ	81.70		P	07:23:30.331	0.1	46.7		5.23		TAS		17.9	0.95	m_e	mb	5.2
GUNZ	81.70		pP	07:23:45.848						T__				m_e		
IBBN	82.42		P	07:23:34.175	-0.8	46.7		5.23		TAS		36.3	0.98	m_e	mb	5.5
KAST	82.92		P	07:23:36.685		46.7		5.23		TAS		26.8	1.12	m_e	mb	5.4
MANZ	82.07		P	07:23:32.358	-0.2	46.7		5.23		TAS		3.4	0.98	m_e	mb	4.4
MOX	81.85		P	07:23:31.118	0.4	46.7		5.23		TAS		19.0	1.10	m_e	mb	5.1
NEUB	81.40		P	07:23:28.756	-0.0	46.7		5.23		TAS		57.3	1.04	m_e	mb	5.5
NEUB	81.40		pP	07:23:44.103						T__				m_e		
RGN	78.46		P	07:23:12.695	-0.6	46.7		5.23		TAS		61.1	0.79	m_e	mb	5.8
ROTZ	82.17		P	07:23:33.055	-0.1	46.7		5.23		TAS		9.5	1.34	m_e	mb	4.8
RUE	79.62		P	07:23:19.688	0.3	46.7		5.23		TAS		63.2	1.06	m_e	mb	5.5
STU	84.28		P	07:23:43.807		46.7		5.23		TAS		97.7	1.13	m_e	mb	5.9
TANN	81.61		P	07:23:29.811	0.2	46.7		5.23		TAS		14.7	1.23	m_e	mb	5.0
TNS	83.60		P	07:23:40.207		46.7		5.23		TAS		35.7	0.94	m_e	mb	5.6
TNS	83.60		pP	07:23:55.682						T__				m_e		
UBBA	82.48		P	07:23:34.514	0.1	46.7		5.23		TAS		31.3	1.24	m_e	mb	5.3

WERN	81.74	P	07:23:30.584	0.1	46.7	5.23	TAS	23.3	0.99	m_e	mb	5.3
WERN	81.74	pP	07:23:45.926				T__			m_e		
WLF	85.03	P	07:23:47.832		46.7	5.23	TAS	41.6	0.98	m_e	mb	5.6

Event 60303006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/03	15:56:29.77			-22.0800	-179.0700				590.0			27		147.41	153.15	m i ke	BGR
OrigID 60303012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.07		PKPbc	16:15:10.924		18.6		4.23		TAS				m_e	
BFO	153.15		PKPab	16:15:35.597		18.6		4.23		TAS				m_e	
BRG	149.51		PKPbc	16:15:13.099	0.0	18.6		4.23		TAS				m_e	
BSEG	147.41		PKPbc	16:15:07.848		18.6		4.23		TAS				m_e	
BSEG	147.41		PKPab	16:15:11.625	-0.2	18.6		4.23		TAS				m_e	
BUG	150.28		PKPbc	16:15:14.588		18.6		4.23		TAS				m_e	
CLL	149.35		PKPbc	16:15:12.239	-0.1	18.6		4.23		TAS				m_e	
CLL	149.35		PKPab	16:15:19.490	-0.0	18.6		4.23		TAS				m_e	
CLZ	149.40		PKPbc	16:15:12.983		18.6		4.23		TAS				m_e	
FBE	149.62		PKPbc	16:15:13.628	-0.1	18.6		4.23		TAS				m_e	
FBE	149.62		PKPab	16:15:21.094	-0.1	18.6		4.23		TAS				m_e	
FLT1	148.77		PKPbc	16:15:10.947		18.6		4.23		TAS				m_e	
FLT1	148.77		PKPab	16:15:17.012	-0.1	18.6		4.23		TAS				m_e	
FUR	152.69		PKPab	16:15:34.185		18.6		4.23		TAS				m_e	
GRA1	151.27		PKPab	16:15:27.777		18.6		4.23		TAS				m_e	
GTTG	149.76		PKPbc	16:15:13.681		18.6		4.23		TAS				m_e	
GTTG	149.76		PKPab	16:15:21.570	0.3	18.6		4.23		TAS				m_e	
GUNZ	150.38		PKPbc	16:15:15.245	-0.3	18.6		4.23		TAS				m_e	
GUNZ	150.38		PKPab	16:15:24.339		18.6		4.23		TAS				m_e	
IBBN	149.37		PKPbc	16:15:12.551		18.6		4.23		TAS				m_e	
KAST	150.35		PKPbc	16:15:15.046		18.6		4.23		TAS				m_e	
MANZ	150.79		PKPbc	16:15:16.053	0.0	18.6		4.23		TAS				m_e	
MOX	150.28		PKPbc	16:15:14.716	0.4	18.6		4.23		TAS				m_e	
MOX	150.28		PKPab	16:15:23.527		18.6		4.23		TAS				m_e	
NEUB	149.73		PKPbc	16:15:13.639	0.1	18.6		4.23		TAS				m_e	
NEUB	149.73		PKPab	16:15:21.192	-0.1	18.6		4.23		TAS				m_e	
NRDL	148.82		PKPbc	16:15:11.200		18.6		4.23		TAS				m_e	
ROTZ	150.97		PKPbc	16:15:16.201	0.1	18.6		4.23		TAS				m_e	
ROTZ	150.97		PKPab	16:15:26.479		18.6		4.23		TAS				m_e	
TANN	150.31		PKPbc	16:15:14.895	-0.1	18.6		4.23		TAS				m_e	
TNS	151.30		PKPbc	16:15:17.028		18.6		4.23		TAS				m_e	
TNS	151.30		PKPab	16:15:27.926		18.6		4.23		TAS				m_e	
UBBA	150.45		PKPbc	16:15:14.872		18.6		4.23		TAS				m_e	

WERD	150.31	PKPbc	16:15:14.899	0.2	18.6	4.23	TAS	m_e
WERN	150.44	PKPbc	16:15:15.331	0.2	18.6	4.23	TAS	m_e
WERN	150.44	PKPab	16:15:24.609		18.6	4.23	TAS	m_e
WET	151.37	PKPab	16:15:28.424		18.6	4.23	TAS	m_e
WLF	152.16	PKPbc	16:15:19.875		18.6	4.23	TAS	m_e

Event 60304002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2016/03/04	04:25:13.06			-21.2300	-178.0000				600.0			34		146.74	152.81	m i ke	BGR
60304008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.48		PKPbc	04:43:57.488	0.2	16.6		2.39		TAS					m_e
AHRW	150.48		PKPab	04:44:05.918		15.4		4.29		TAS					m_e
ASSE	148.43		PKPdf	04:43:47.923	0.3	18.7		1.50		TAS					m_e
ASSE	148.43		PKPbc	04:43:52.468	-0.1	16.6		2.39		TAS					m_e
BFO	152.49		PKPdf	04:43:54.050		18.7		1.50		TAS					m_e
BFO	152.49		PKPbc	04:44:01.871	-0.5	16.6		2.39		TAS					m_e
BFO	152.49		PKPab	04:44:14.257		15.4		4.29		TAS					m_e
BRG	148.96		PKPdf	04:43:48.769	0.0	18.7		1.50		TAS					m_e
BRG	148.96		PKPbc	04:43:53.849	0.3	16.6		2.39		TAS					m_e
BRG	148.96		PKPab	04:43:59.427	0.2	15.4		4.29		TAS					m_e
BSEG	146.74		PKPbc	04:43:48.172	-0.1	16.6		2.39		TAS					m_e
BUG	149.57		PKPbc	04:43:55.208	0.0	16.6		2.39		TAS					m_e
BUG	149.57		PKPab	04:44:01.731	-0.0	15.4		4.29		TAS					m_e
CLL	148.77		PKPdf	04:43:48.503	0.2	18.7		1.50		TAS					m_e
CLL	148.77		PKPbc	04:43:53.279	0.3	16.6		2.39		TAS					m_e
CLL	148.77		PKPab	04:43:58.633	-0.0	15.4		4.29		TAS					m_e
CLZ	148.76		PKPdf	04:43:48.956	0.1	18.7		1.50		TAS					m_e
CLZ	148.76		PKPbc	04:43:53.630	-0.1	16.6		2.39		TAS					m_e
CLZ	148.76		PKPab	04:43:58.968	0.0	15.4		4.29		TAS					m_e
FBE	149.06		PKPdf	04:43:49.179	-0.0	18.7		1.50		TAS					m_e
FBE	149.06		PKPbc	04:43:54.375	0.1	16.6		2.39		TAS					m_e
FBE	149.06		PKPab	04:44:00.105	0.1	15.4		4.29		TAS					m_e
FLT1	148.14		PKPdf	04:43:47.437	0.0	18.7		1.50		TAS					m_e
FLT1	148.14		PKPbc	04:43:51.504	-0.0	16.6		2.39		TAS					m_e
FLT1	148.14		PKPab	04:43:55.725	0.0	15.4		4.29		TAS					m_e
FUR	152.11		PKPdf	04:43:53.607		18.7		1.50		TAS					m_e
FUR	152.11		PKPbc	04:44:01.017	-0.4	16.6		2.39		TAS					m_e
FUR	152.11		PKPab	04:44:13.170		15.4		4.29		TAS					m_e
GRA1	150.67		PKPbc	04:43:58.052	0.2	16.6		2.39		TAS					m_e
GRA1	150.67		PKPab	04:44:07.080		15.4		4.29		TAS					m_e
GTTG	149.11		PKPdf	04:43:49.193	-0.0	18.7		1.50		TAS					m_e

GTTG	149.11	PKPbc	04:43:54.331	-0.2	16.6	2.39	TAS	m_e
GUNZ	149.80	PKPdf	04:43:50.334	-0.2	18.7	1.50	TAS	m_e
GUNZ	149.80	PKPbc	04:43:56.063	-0.1	16.6	2.39	TAS	m_e
GUNZ	149.80	PKPab	04:44:03.417		15.4	4.29	TAS	m_e
HLG	146.79	PKPbc	04:43:48.698	-0.3	16.6	2.39	TAS	m_e
IBBN	148.66	PKPdf	04:43:48.688	-0.1	18.7	1.50	TAS	m_e
IBBN	148.66	PKPbc	04:43:53.148	-0.1	16.6	2.39	TAS	m_e
KAST	149.67	PKPdf	04:43:50.278	0.1	18.7	1.50	TAS	m_e
KAST	149.67	PKPbc	04:43:55.714	0.2	16.6	2.39	TAS	m_e
MANZ	150.21	PKPdf	04:43:50.793	0.0	18.7	1.50	TAS	m_e
MANZ	150.21	PKPbc	04:43:56.983	0.0	16.6	2.39	TAS	m_e
MOX	149.68	PKPdf	04:43:49.942	0.2	18.7	1.50	TAS	m_e
MOX	149.68	PKPbc	04:43:55.559	0.1	16.6	2.39	TAS	m_e
MOX	149.68	PKPab	04:44:02.474	0.2	15.4	4.29	TAS	m_e
NEUB	149.13	PKPdf	04:43:49.231	0.0	18.7	1.50	TAS	m_e
NEUB	149.13	PKPbc	04:43:54.265	0.2	16.6	2.39	TAS	m_e
NEUB	149.13	PKPab	04:44:00.119	-0.1	15.4	4.29	TAS	m_e
NRDL	148.17	PKPdf	04:43:47.566	-0.1	18.7	1.50	TAS	m_e
NRDL	148.17	PKPbc	04:43:51.876	-0.0	16.6	2.39	TAS	m_e
PLN	149.72	PKPdf	04:43:50.002	-0.1	18.7	1.50	TAS	m_e
PLN	149.72	PKPbc	04:43:55.712	0.1	16.6	2.39	TAS	m_e
PLN	149.72	PKPab	04:44:02.761	0.1	15.4	4.29	TAS	m_e
RETH	148.04	PKPdf	04:43:47.523	-0.2	18.7	1.50	TAS	m_e
RETH	148.04	PKPbc	04:43:51.591	-0.3	16.6	2.39	TAS	m_e
RETH	148.04	PKPab	04:43:55.549	-0.4	15.4	4.29	TAS	m_e
ROTZ	150.39	PKPdf	04:43:50.853	-0.2	18.7	1.50	TAS	m_e
ROTZ	150.39	PKPbc	04:43:57.268	-0.1	16.6	2.39	TAS	m_e
RUE	147.51	PKPdf	04:43:46.675	-0.2	18.7	1.50	TAS	m_e
RUE	147.51	PKPbc	04:43:50.008	-0.0	16.6	2.39	TAS	m_e
STU	151.92	PKPbc	04:44:00.863	-0.3	16.6	2.39	TAS	m_e
STU	151.92	PKPab	04:44:11.935		15.4	4.29	TAS	m_e
TANN	149.73	PKPdf	04:43:50.038	0.2	18.7	1.50	TAS	m_e
TANN	149.73	PKPbc	04:43:55.800	0.1	16.6	2.39	TAS	m_e
TNS	150.62	PKPdf	04:43:51.703		18.7	1.50	TAS	m_e
TNS	150.62	PKPbc	04:43:58.036	-0.1	16.6	2.39	TAS	m_e
UBBA	149.81	PKPdf	04:43:50.082	0.2	18.7	1.50	TAS	m_e
UBBA	149.81	PKPbc	04:43:55.690	0.3	16.6	2.39	TAS	m_e
UBR	152.81	PKPdf	04:43:54.544		18.7	1.50	TAS	m_e
UBR	152.81	PKPbc	04:44:02.463		16.6	2.39	TAS	m_e
WERD	149.73	PKPdf	04:43:50.031	0.2	18.7	1.50	TAS	m_e
WERD	149.73	PKPbc	04:43:55.800	0.2	16.6	2.39	TAS	m_e
WERD	149.73	PKPab	04:44:02.885	-0.2	15.4	4.29	TAS	m_e
WERN	149.87	PKPdf	04:43:50.408	-0.1	18.7	1.50	TAS	m_e
WERN	149.87	PKPbc	04:43:56.326	0.2	16.6	2.39	TAS	m_e
WERN	149.87	PKPab	04:44:03.587		15.4	4.29	TAS	m_e
WET	150.83	PKPdf	04:43:51.581		18.7	1.50	TAS	m_e
WET	150.83	PKPbc	04:43:58.233	0.5	16.6	2.39	TAS	m_e
WET	150.83	PKPab	04:44:07.758		15.4	4.29	TAS	m_e
WLF	151.44	PKPbc	04:44:00.403	0.0	16.6	2.39	TAS	m_e

WLF 151.44 PKPab 04:44:10.437 15.4 4.29 TAS m\_e

Event 60305001 Hokkaido, Japan, region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2016/03/05 00:33:29.11 42.5430 144.6640 33.0 30 76.24 81.67 m i ke BGR
60305007

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 60305007
Ms 4.6 BGR 60305007

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists various station data points for the event.

Event 60305004 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/05	18:45:29.50			-33.2600	-178.2600				10.0					162.14	162.14	m i ke	EMSC
OrigID 60305036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	162.14		PKPab	19:06:19.513		26.7		4.00		TAS					m_e

Event 60305006 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/05	22:01:51.75			15.9480	-93.9260				74.6				20	84.49	88.61	m i ke	BGR
OrigID 60305012																	

Magnitude Err Nsta Author OrigID  
mb 5.3 BGR 60305012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.66		P	22:14:16.645	0.3	291.4		4.63		TAS		28.4	0.90	m_e mb	5.5
ASSE	86.24		P	22:14:24.534	-0.3	291.4		4.63		TAS		13.6	1.03	m_e mb	5.0
BFO	86.15		P	22:14:24.169	0.3	291.4		4.63		TAS		58.2	2.00	m_e mb	5.4
BRG	88.61		P	22:14:35.289		291.4		4.63		TAS		9.6	0.99	m_e mb	5.0
BRG	88.61		pP	22:14:55.694		290.2		4.97		TAS				m_e	
BSEG	85.40		P	22:14:20.275	0.2	291.4		4.63		TAS		40.8	0.94	m_e mb	5.6
BUG	84.49		P	22:14:15.402	0.0	291.4		4.63		TAS		22.6	1.17	m_e mb	5.3
CLZ	86.17		P	22:14:24.175	-0.1	291.4		4.63		TAS		12.6	0.88	m_e mb	5.1
FLT1	86.49		P	22:14:25.115	0.2	291.4		4.63		TAS		20.7	1.34	m_e mb	5.1
GRA1	87.46		P	22:14:30.224		291.4		4.63		TAS		24.5	1.34	m_e mb	5.2
GTTG	86.04		P	22:14:23.368	0.3	291.4		4.63		TAS		26.7	1.09	m_e mb	5.3
GUNZ	87.87		P	22:14:31.941		291.4		4.63		TAS		9.5	0.87	m_e mb	5.1
IBBN	84.50		P	22:14:15.637	-0.3	291.4		4.63		TAS		20.7	0.88	m_e mb	5.4
KAST	85.25		P	22:14:19.199	0.1	291.4		4.63		TAS		29.6	1.36	m_e mb	5.3
NEUB	87.22		P	22:14:29.054	-0.1	291.4		4.63		TAS		16.8	1.05	m_e mb	5.1
NRDL	85.79		P	22:14:22.225	0.4	291.4		4.63		TAS		28.9	1.10	m_e mb	5.3
RETH	85.28		P	22:14:19.872	-0.1	291.4		4.63		TAS		47.9	0.96	m_e mb	5.7
TANN	87.92		P	22:14:32.207		291.4		4.63		TAS		8.1	1.01	m_e mb	5.0
TNS	85.59		P	22:14:20.981	0.1	291.4		4.63		TAS		36.2	0.81	m_e mb	5.5
UBBA	86.32		P	22:14:24.511	0.1	291.4		4.63		TAS		32.2	1.77	m_e mb	5.2
WERN	87.92		P	22:14:32.292		291.4		4.63		TAS		9.3	0.99	m_e mb	5.1



Event 60307002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/07	07:37:01.43			40.2040	143.9750				44.0					81.30	81.30	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	60307008
Ms	4.1		BGR	60307008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.30		P	07:49:11.554		36.6		4.49		TAS		13.5	0.95	m_e	mb 5.0
GRA1	81.30		pP	07:49:24.245		35.1		4.44		TAS				m_e	
GRA1	81.30		L	08:27:56.786						T__		87.6	18.50	a_e	Ms 4.1

Event 60308003 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/08	05:36:28.88			-15.8260	-172.4930				41.2	1.5		20		144.70	148.16	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	60308009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.37		PKPbc	05:56:00.989		6.4		3.29		TAS				m_e	
AHRW	145.37		pPKPbc	05:56:13.387		5.9		3.08		TAS				m_e	
BFO	147.58		PKPbc	05:56:08.074		6.4		3.29		TAS				m_e	
BFO	147.58		pPKPbc	05:56:20.433		5.9		3.08		TAS				m_e	
FUR	147.60		PKPbc	05:56:08.400		6.4		3.29		TAS				m_e	
FUR	147.60		pPKPbc	05:56:20.393		5.9		3.08		TAS				m_e	
GEC2	146.68		PKPbc	05:56:05.086		6.4		3.29		TAS				m_e	
GEC2	146.68		pPKPbc	05:56:17.547		5.9		3.08		TAS				m_e	
GRA1	146.09		PKPbc	05:56:03.510		6.4		3.29		TAS				m_e	
GRA1	146.09		pPKPbc	05:56:16.003		5.9		3.08		TAS				m_e	
GRA1	146.09		L	06:59:19.995						T__		2852.4	21.70	a_e	Ms 6.0
GUNZ	145.33		PKPbc	05:56:00.942		6.4		3.29		TAS				m_e	
GUNZ	145.33		pPKPbc	05:56:13.320		5.9		3.08		TAS				m_e	
KAST	144.70		PKPbc	05:55:58.784	0.3	6.4		3.29		TAS				m_e	
KAST	144.70		pPKPbc	05:56:11.039						T__				m_e	
MANZ	145.72		PKPbc	05:56:02.255		6.4		3.29		TAS				m_e	
MANZ	145.72		pPKPbc	05:56:14.595		5.9		3.08		TAS				m_e	
MOX	145.11		PKPbc	05:55:59.932	0.2	6.4		3.29		TAS				m_e	

MOX	145.11	pPKPdf	05:56:12.285							T__						m_e
MOX	145.11	L	06:56:15.715							T__	1855.1	21.90	a_e Ms			5.8
PLN	145.22	PKPbc	05:56:00.366	-0.4	6.4			3.29		TAS						m_e
PLN	145.22	pPKPdf	05:56:12.481							T__						m_e
ROTZ	145.93	PKPbc	05:56:03.050		6.4			3.29		TAS						m_e
ROTZ	145.93	pPKPbc	05:56:15.333		5.9			3.08		TAS						m_e
STU	147.12	PKPbc	05:56:06.998		6.4			3.29		TAS						m_e
STU	147.12	pPKPbc	05:56:18.888		5.9			3.08		TAS						m_e
TANN	145.27	PKPbc	05:56:00.373		6.4			3.29		TAS						m_e
TANN	145.27	pPKPbc	05:56:13.139		5.9			3.08		TAS						m_e
TNS	145.68	PKPbc	05:56:01.985		6.4			3.29		TAS						m_e
TNS	145.68	pPKPbc	05:56:14.460		5.9			3.08		TAS						m_e
UBBA	145.04	PKPbc	05:55:59.453	-0.2	6.4			3.29		TAS						m_e
UBBA	145.04	pPKPdf	05:56:12.157							T__						m_e
UBR	148.16	PKPbc	05:56:09.707		6.4			3.29		TAS						m_e
UBR	148.16	pPKPbc	05:56:21.915		5.9			3.08		TAS						m_e
WERD	145.25	PKPbc	05:56:00.451		6.4			3.29		TAS						m_e
WERD	145.25	pPKPdf	05:56:12.526							T__						m_e
WERN	145.40	PKPbc	05:56:01.121		6.4			3.29		TAS						m_e
WERN	145.40	pPKPbc	05:56:13.722		5.9			3.08		TAS						m_e
WET	146.48	PKPbc	05:56:04.627		6.4			3.29		TAS						m_e
WET	146.48	pPKPbc	05:56:17.077		5.9			3.08		TAS						m_e
WLF	146.23	PKPbc	05:56:04.582		6.4			3.29		TAS						m_e
WLF	146.23	pPKPbc	05:56:16.741		5.9			3.08		TAS						m_e

Event 60308009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/08	14:53:04.20			-17.6260	-177.1760				600.0				32	143.30	149.44	m i ke	BGR
	60308015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.02		PKPbc	15:11:33.927	0.3	14.9		2.73		TAS					a_e
BFO	149.05		PKPbc	15:11:44.527		14.9		2.73		TAS					a_e
BRG	145.66		PKPdf	15:11:33.389	0.1	14.7		1.60		TAS					m_e
BRG	145.66		PKPbc	15:11:35.677	0.3	14.9		2.73		TAS					a_e
BSEG	143.30		PKPbc	15:11:28.577	-0.5	14.9		2.73		TAS					a_e
BUG	146.08		PKPbc	15:11:36.877	0.1	14.9		2.73		TAS					a_e
CLL	145.43		PKPbc	15:11:34.877	0.3	14.9		2.73		TAS					a_e
CLZ	145.34		PKPdf	15:11:33.161	-0.2	14.7		1.60		TAS					m_e
CLZ	145.34		PKPbc	15:11:35.127	0.0	14.9		2.73		TAS					a_e
FBE	145.73		PKPdf	15:11:33.878		14.7		1.60		TAS					m_e
FBE	145.73		PKPbc	15:11:36.177	-0.2	14.9		2.73		TAS					a_e
FLT1	144.74		PKPbc	15:11:32.727	-0.0	14.9		2.73		TAS					a_e

FUR	148.77	PKPbc	15:11:43.727		14.9	2.73	TAS	a_e
GEC2	147.63	PKPbc	15:11:40.877	-0.4	14.9	2.73	TAS	a_e
GRA1	147.30	PKPbc	15:11:40.427	-0.1	14.9	2.73	TAS	a_e
GTTG	145.69	PKPbc	15:11:36.027	0.1	14.9	2.73	TAS	a_e
GUNZ	146.46	PKPdf	15:11:35.032		14.7	1.60	TAS	m_e
GUNZ	146.46	PKPbc	15:11:38.077	0.2	14.9	2.73	TAS	a_e
IBBN	145.18	PKPbc	15:11:34.534	-0.1	14.9	2.73	TAS	m_e
KAST	146.21	PKPdf	15:11:34.549		14.7	1.60	TAS	m_e
KAST	146.21	PKPbc	15:11:37.377	0.1	14.9	2.73	TAS	a_e
MANZ	146.86	PKPdf	15:11:35.564		14.7	1.60	TAS	m_e
MANZ	146.86	PKPbc	15:11:39.177	0.3	14.9	2.73	TAS	a_e
MOX	146.31	PKPdf	15:11:34.686		14.7	1.60	TAS	m_e
MOX	146.31	PKPbc	15:11:37.527	0.1	14.9	2.73	TAS	a_e
NEUB	145.76	PKPdf	15:11:33.687		14.7	1.60	TAS	m_e
NEUB	145.76	PKPbc	15:11:35.927	0.1	14.9	2.73	TAS	a_e
NRDL	144.74	PKPbc	15:11:33.127	0.0	14.9	2.73	TAS	a_e
PLN	146.37	PKPdf	15:11:34.490		14.7	1.60	TAS	m_e
PLN	146.37	PKPbc	15:11:37.677	0.2	14.9	2.73	TAS	a_e
RETH	144.59	PKPbc	15:11:32.777	-0.4	14.9	2.73	TAS	a_e
ROTZ	147.06	PKPbc	15:11:39.627	-0.2	14.9	2.73	TAS	a_e
RUE	144.17	PKPbc	15:11:31.077	-0.0	14.9	2.73	TAS	a_e
STU	148.51	PKPbc	15:11:43.327		14.9	2.73	TAS	a_e
TANN	146.39	PKPdf	15:11:34.765		14.7	1.60	TAS	m_e
TANN	146.39	PKPbc	15:11:37.777	0.4	14.9	2.73	TAS	m_e
TNS	147.17	PKPbc	15:11:40.027	0.4	14.9	2.73	TAS	a_e
UBBA	146.39	PKPdf	15:11:34.500		14.7	1.60	TAS	m_e
UBR	149.44	PKPbc	15:11:45.277		14.9	2.73	TAS	a_e
WERD	146.38	PKPdf	15:11:34.586		14.7	1.60	TAS	m_e
WERD	146.38	PKPbc	15:11:37.727	0.3	14.9	2.73	TAS	a_e
WERN	146.53	PKPdf	15:11:35.064		14.7	1.60	TAS	m_e
WERN	146.53	PKPbc	15:11:38.377	0.2	14.9	2.73	TAS	a_e
WET	147.52	PKPbc	15:11:40.603	-0.4	14.9	2.73	TAS	m_e
WLF	147.93	PKPbc	15:11:42.577	-0.6	14.9	2.73	TAS	a_e

Event 60310001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/10	02:16:18.54			-19.8270	170.8220				200.0			29		144.04	148.24	m i ke	BGR
60310007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.75		PKPbc	02:35:35.838		35.9		3.22		TAS				m_e	
BFO	148.24		PKPbc	02:35:39.959		35.9		3.22		TAS				m_e	
BRG	144.04		PKPbc	02:35:26.350	0.2	35.9		3.22		TAS				m_e	

BUG	145.90	PKPbc	02:35:32.772	-0.4	35.9	3.22	TAS	m_e
CLL	144.06	PKPbc	02:35:26.394	0.1	35.9	3.22	TAS	m_e
CLZ	144.57	PKPbc	02:35:28.846	0.4	35.9	3.22	TAS	m_e
FBE	144.24	PKPbc	02:35:27.382	0.3	35.9	3.22	TAS	m_e
FUR	147.25	PKPbc	02:35:37.373		35.9	3.22	TAS	m_e
GEC2	145.70	PKPbc	02:35:32.143	0.1	35.9	3.22	TAS	m_e
GRA1	146.04	PKPbc	02:35:33.820	-0.5	35.9	3.22	TAS	m_e
GTTG	144.96	PKPbc	02:35:30.181	0.3	35.9	3.22	TAS	m_e
GUNZ	145.07	PKPbc	02:35:30.533	0.2	35.9	3.22	TAS	m_e
IBBN	145.00	PKPbc	02:35:30.152	0.4	35.9	3.22	TAS	m_e
KAST	145.76	PKPbc	02:35:32.640	0.1	35.9	3.22	TAS	m_e
MANZ	145.46	PKPbc	02:35:31.780	0.4	35.9	3.22	TAS	m_e
MOX	145.12	PKPbc	02:35:30.377	0.5	35.9	3.22	TAS	m_e
NEUB	144.62	PKPbc	02:35:28.726	-0.0	35.9	3.22	TAS	m_e
PLN	145.04	PKPbc	02:35:30.168	0.0	35.9	3.22	TAS	m_e
RJOB	146.94	PKPbc	02:35:36.153		35.9	3.22	TAS	m_e
ROTZ	145.60	PKPbc	02:35:32.336	-0.3	35.9	3.22	TAS	m_e
STU	147.56	PKPbc	02:35:38.288		35.9	3.22	TAS	m_e
TANN	144.98	PKPbc	02:35:30.094	0.0	35.9	3.22	TAS	m_e
TNS	146.59	PKPbc	02:35:35.600		35.9	3.22	TAS	m_e
UBBA	145.56	PKPbc	02:35:31.871	-0.1	35.9	3.22	TAS	m_e
UBR	148.10	PKPbc	02:35:39.603		35.9	3.22	TAS	m_e
WERD	145.02	PKPbc	02:35:30.235	-0.2	35.9	3.22	TAS	m_e
WERN	145.12	PKPbc	02:35:30.750	-0.5	35.9	3.22	TAS	m_e
WET	145.82	PKPbc	02:35:32.846	0.3	35.9	3.22	TAS	m_e
WLF	147.81	PKPbc	02:35:39.630		35.9	3.22	TAS	m_e

Event 60310008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/10	18:39:08.25			44.1120	148.4120				33.0			33		75.97	81.49	m i ke	BGR
OrigID 60310014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60310014
Ms	4.2		BGR	60310014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.91		P	18:51:11.997	0.1	29.8		5.48		TAS				m_e	
ASSE	77.44		P	18:50:58.475	-0.0	29.8		5.48		TAS		88.0	2.25	a_e mb	5.5
BFO	81.49		P	18:51:20.225		29.8		5.48		TAS				a_e	
BRG	77.47		P	18:50:58.475	0.5	29.8		5.48		TAS		27.2	1.49	a_e mb	5.2
BSEG	75.97		P	18:50:50.525	-0.1	29.8		5.48		TAS		31.5	0.93	a_e mb	5.4
BUG	79.05		P	18:51:07.359	0.4	29.8		5.48		TAS		21.2	0.74	m_e mb	5.3
CLL	77.41		P	18:50:58.066	-0.2	29.8		5.48		TAS		49.0	1.02	m_e mb	5.6
CLZ	77.78		P	18:51:00.895	0.1	29.8		5.48		TAS		52.5	1.18	m_e mb	5.5

FBE	77.63	P	18:50:59.525	-0.1	29.8	5.48	TAS	30.4	0.99	a_e	mb	5.4
FLT1	77.09	P	18:50:56.276	0.1	29.8	5.48	TAS	34.3	0.85	m_e	mb	5.5
FUR	80.69	P	18:51:16.425	-0.5	29.8	5.48	TAS			a_e		
GEC2	79.28	P	18:51:08.525	0.3	29.8	5.48	TAS	15.5	1.17	a_e	mb	4.9
GRA1	79.38	P	18:51:09.525	0.0	29.8	5.48	TAS	40.4	1.00	a_e	mb	5.4
GRA1	79.38	L	19:27:34.403				T__	126.0	22.00	a_e	Ms	4.2
GTTG	78.16	P	18:51:02.637	-0.1	29.8	5.48	TAS	44.4	1.17	m_e	mb	5.5
GUNZ	78.44	P	18:51:04.025	-0.1	29.8	5.48	TAS	16.6	0.93	a_e	mb	5.2
IBBN	78.14	P	18:51:02.444	-0.1	29.8	5.48	TAS	108.6	1.97	m_e	mb	5.6
KAST	78.93	P	18:51:06.625	0.1	29.8	5.48	TAS	23.5	1.30	a_e	mb	5.1
MANZ	78.84	P	18:51:06.125	0.3	29.8	5.48	TAS	3.9	1.10	a_e	mb	4.4
MOX	78.43	P	18:51:03.875	0.1	29.8	5.48	TAS	31.2	1.36	a_e	mb	5.3
MOX	78.43	L	19:27:41.632				T__	147.5	22.00	a_e	Ms	4.3
NEUB	77.90	P	18:51:00.940	0.2	29.8	5.48	TAS	51.8	1.13	m_e	mb	5.6
NRDL	77.29	P	18:50:57.733	-0.3	29.8	5.48	TAS	13.7	0.97	m_e	mb	5.1
PLN	78.39	P	18:51:03.725	0.0	29.8	5.48	TAS	11.5	0.90	a_e	mb	5.0
RETH	77.30	P	18:50:57.775	-0.0	29.8	5.48	TAS	36.4	1.17	a_e	mb	5.4
RJOB	80.54	P	18:51:15.875	-0.3	29.8	5.48	TAS	17.2	1.04	a_e	mb	5.0
ROTZ	78.99	P	18:51:07.325	-0.1	29.8	5.48	TAS	7.4	1.23	a_e	mb	4.6
RUE	76.16	P	18:50:51.475	-0.3	29.8	5.48	TAS	66.6	1.25	a_e	mb	5.6
STU	80.83	P	18:51:16.825		29.8	5.48	TAS			a_e		
TANN	78.35	P	18:51:03.475	-0.0	29.8	5.48	TAS	39.5	1.93	a_e	mb	5.2
TNS	79.78	P	18:51:11.455	0.3	29.8	5.48	TAS	31.7	1.60	m_e	mb	5.0
UBBA	78.79	P	18:51:05.775	-0.0	29.8	5.48	TAS	48.9	2.02	a_e	mb	5.2
WERD	78.38	P	18:51:03.609	-0.1	29.8	5.48	TAS	21.4	1.09	m_e	mb	5.2
WERN	78.49	P	18:51:04.375	-0.1	29.8	5.48	TAS	19.7	1.01	a_e	mb	5.2
WET	79.31	P	18:51:09.125	0.1	29.8	5.48	TAS	31.4	1.09	m_e	mb	5.3

Event 60311013 Strait of Gibraltar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/11	04:16:47.90			35.6600	-3.6800				10.0			30		15.47	20.88	m i ke	EMSC
60311045																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60311019
Ms	3.7		BGR	60311019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	15.47		P	04:20:25.467	-3.0	223.4		11.83		TAS				m_e		
BFO	15.47		L	04:25:35.441						T__		528.4	20.80	a_e	Ms	3.7
BRG	19.82		P	04:21:18.697		223.4		11.83		TAS		143.5	1.55	m_e	mb	5.0
BSEG	20.73		P	04:21:29.332		223.4		11.83		TAS		269.2	1.36	m_e	mb	5.4
BSEG	20.73		L	04:29:03.342						T__		1222.1	20.00	a_e	Ms	4.3
BUG	17.63		P	04:20:55.681	2.7	223.4		11.83		TAS		217.2	1.79	m_e	mb	5.0
CLL	19.70		P	04:21:17.426	-1.8	223.4		11.83		TAS		106.0	1.28	m_e	mb	4.9

CLL	19.70	L	04:28:03.461							T__	291.9	21.90	a_e	Ms	3.6	
CLZ	19.04	P	04:21:11.088	1.1	223.4		11.83			TAS	70.1	1.54	m_e	mb	4.7	
FBE	19.58	P	04:21:16.216	-0.1	223.4		11.83			TAS	156.1	1.60	m_e	mb	5.0	
FLT1	19.75	P	04:21:18.337		223.4		11.83			TAS	55.1	1.51	m_e	mb	4.6	
FUR	16.69	P	04:20:43.654	2.7	223.4		11.83			TAS	3891.8	4.22	m_e	mb	5.9	
FUR	16.69	L	04:26:32.694							T__	566.5	20.60	a_e	Ms	3.8	
GEC2	18.36	P	04:21:00.239	0.7	223.4		11.83			TAS	94.8	1.50	m_e	mb	4.7	
GEC2	18.36	L	04:30:54.688							T__	387.6	21.00	a_e	Ms	3.7	
GRA1	17.75	P	04:20:54.895	-0.3	223.4		11.83			TAS	78.5	1.25	m_e	mb	4.7	
GRA1	17.75	L	04:28:48.276							T__	446.0	18.40	a_e	Ms	3.8	
GUNZ	18.73	P	04:21:06.365	-0.2	223.4		11.83			TAS	74.8	1.49	m_e	mb	4.7	
IBBN	18.53	P	04:21:05.749	-0.8	223.4		11.83			TAS	190.4	1.62	m_e	mb	5.1	
KAST	17.81	P	04:20:59.061	0.9	223.4		11.83			TAS	52.8	1.52	m_e	mb	4.4	
MANZ	18.36	P	04:21:02.520	-0.0	223.4		11.83			TAS	16.3	1.43	m_e	mb	4.0	
MOX	18.62	P	04:21:05.218	-0.0	223.4		11.83			TAS	154.7	2.14	m_e	mb	4.9	
MOX	18.62	L	04:30:54.117							T__	346.3	19.80	a_e	Ms	3.7	
NEUB	19.10	P	04:21:11.482	0.3	223.4		11.83			TAS	177.6	1.75	m_e	mb	5.0	
NRDL	19.47	P	04:21:16.361	-1.2	223.4		11.83			TAS			m_e			
PLN	18.74	P	04:21:06.346	1.6	223.4		11.83			TAS	150.8	2.00	m_e	mb	4.9	
RETH	19.41	P	04:21:16.201		223.4		11.83			TAS	196.6	1.78	m_e	mb	5.0	
RJOB	17.19	P	04:20:46.135	1.5	223.4		11.83			TAS	68.9	1.53	m_e	mb	4.6	
ROTZ	18.25	P	04:21:01.177	1.0	223.4		11.83			TAS			m_e			
RUE	20.88	P	04:21:30.756		223.4		11.83			TAS	367.7	1.26	m_e	mb	5.6	
STU	16.17	P	04:20:34.707	-2.0	223.4		11.83			TAS			m_e			
TANN	18.82	P	04:21:07.263	0.0	223.4		11.83			TAS	91.3	1.49	m_e	mb	4.8	
TNS	17.01	P	04:20:46.161	-0.0	223.4		11.83			TAS	181.9	1.82	m_e	mb	4.9	
TNS	17.01	L	04:25:00.940							T__	196.5	21.70	a_e	Ms	3.3	
UBR	15.79	P	04:20:29.867	-0.8	223.4		11.83			TAS			m_e			
WERN	18.69	P	04:21:05.906	-0.4	223.4		11.83			TAS	135.5	1.85	m_e	mb	4.9	
WET	18.14	P	04:20:57.608	2.0	223.4		11.83			TAS	30.2	1.37	m_e	mb	4.2	
WET	18.14	L	04:27:26.444							T__	477.6	21.70	a_e	Ms	3.7	
WLF	15.73	P	04:20:30.340	-1.2	223.4		11.83			TAS			m_e			

Event 60311014 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/11	10:58:10.60			-22.5000	-179.6100				554.0			12		149.07	150.68	m i ke	EMSC
OrigID 60311046																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.38		PKPbc	11:16:57.215	-0.0	21.4		2.34		TAS				m_e	
BRG	149.77		PKPbc	11:16:58.552	-0.1	21.4		2.34		TAS				m_e	
CLL	149.62		PKPbc	11:16:57.923	-0.0	21.4		2.34		TAS				m_e	
CLZ	149.71		PKPbc	11:16:58.316	0.0	21.4		2.34		TAS				m_e	

FBE	149.88	PKPbc	11:16:58.866	21.4	2.34	TAS	m_e
FLT1	149.07	PKPbc	11:16:56.271	0.2 21.4	2.34	TAS	m_e
GUNZ	150.66	PKPbc	11:17:00.439	21.4	2.34	TAS	m_e
KAST	150.68	PKPbc	11:17:00.125	21.4	2.34	TAS	m_e
MOX	150.57	PKPbc	11:17:00.125	21.4	2.34	TAS	m_e
PLN	150.58	PKPbc	11:17:00.125	21.4	2.34	TAS	m_e
TANN	150.57	PKPbc	11:17:00.204	21.4	2.34	TAS	m_e
WERD	150.58	PKPbc	11:17:00.204	21.4	2.34	TAS	m_e

Event 60311015 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/11	21:56:28.40			-15.1700	-172.9300				10.0			11		143.64	147.49	m i ke	EMSC
OrigID 60311047																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	60311021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.92		PKPbc	22:16:11.150		7.1		3.06		TAS				m_e	
CLL	143.64		L	23:29:58.912						T__		231.3	19.40	a_e Ms	5.0
FUR	146.92		PKPbc	22:16:11.150		7.1		3.06		TAS				m_e	
GEC2	145.98		PKPbc	22:16:08.223		7.1		3.06		TAS				m_e	
GRA1	145.41		PKPbc	22:16:06.759		7.1		3.06		TAS				m_e	
GRA1	145.41		L	23:30:59.383						T__		318.4	21.10	a_e Ms	5.1
GUNZ	144.64		PKPbc	22:16:04.838		7.1		3.06		TAS				m_e	
MANZ	145.03		PKPbc	22:16:05.362		7.1		3.06		TAS				m_e	
MOX	144.43		L	23:33:42.934						T__		259.4	18.90	a_e Ms	5.0
RJOB	147.18		PKPbc	22:16:11.948		7.1		3.06		TAS				m_e	
ROTZ	145.24		PKPbc	22:16:05.895		7.1		3.06		TAS				m_e	
TANN	144.58		PKPbc	22:16:03.391		7.1		3.06		TAS				m_e	
TNS	145.02		PKPbc	22:16:05.221		7.1		3.06		TAS				m_e	
UBR	147.49		PKPbc	22:16:12.547		7.1		3.06		TAS				m_e	
WERN	144.71		PKPbc	22:16:03.425		7.1		3.06		TAS				m_e	
WET	145.79		PKPbc	22:16:07.624		7.1		3.06		TAS				m_e	
WLF	145.59		PKPbc	22:16:07.491		7.1		3.06		TAS				m_e	

Event 60312001 Southeastern China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	03:14:14.02			34.6140	111.4360				33.0					68.33	72.10	m i ke	BGR
OrigID 60312007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60312007
Ms	4.1		BGR	60312007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	68.33		P	03:25:11.214		64.2		5.70		TAS		6.3	1.16	m_e	mb	4.7
BSEG	68.78		P	03:25:14.525		64.2		5.70		TAS		8.5	1.02	m_e	mb	4.9
BSEG	68.78		L	03:56:34.295						T__		149.9	19.70	a_e	Ms	4.2
BUG	71.66		P	03:25:31.997		64.2		5.70		TAS				m_e		
CLL	68.64		P	03:25:12.571		64.2		5.70		TAS		9.8	1.00	m_e	mb	5.0
CLZ	69.80		P	03:25:20.796		64.2		5.70		TAS		7.7	0.94	m_e	mb	4.8
FLT1	69.09		P	03:25:15.582		64.2		5.70		TAS		8.8	1.15	m_e	mb	4.9
FUR	71.18		P	03:25:29.179		64.2		5.70		TAS		16.4	1.01	m_e	mb	5.1
GEC2	69.44		P	03:25:18.189		64.2		5.70		TAS		7.7	1.09	m_e	mb	4.9
GRA1	70.43		P	03:25:23.991		64.2		5.70		TAS		15.9	1.26	m_e	mb	5.0
GRA1	70.43		L	03:56:19.139						T__		90.1	19.30	a_e	Ms	4.0
GUNZ	69.47		P	03:25:18.541		64.2		5.70		TAS		9.8	1.16	m_e	mb	4.9
MOX	69.73		P	03:25:19.880		64.2		5.70		TAS		10.0	1.63	m_e	mb	4.7
MOX	69.73		L	03:57:44.115						T__		62.8	18.70	a_e	Ms	3.9
NRDL	69.61		P	03:25:19.668		64.2		5.70		TAS		9.1	1.18	m_e	mb	4.8
ROTZ	69.84		P	03:25:21.007		64.2		5.70		TAS		3.0	1.29	m_e	mb	4.3
UBR	72.10		P	03:25:34.181		64.2		5.70		TAS		12.1	1.07	m_e	mb	5.0

Event 60312002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	04:00:28.13			17.9870	120.8060				33.0			30		85.85	91.41	m i ke	BGR
OrigID 60312008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60312008
Ms	5.1		BGR	60312008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	90.46		P	04:13:25.688		63.7		4.73		TAS		28.7	1.51	m_e	mb	5.3
BFO	90.82		P	04:13:27.221		63.7		4.73		TAS		21.4	1.51	m_e	mb	5.3
BFO	90.82		L	04:57:10.839						T__		720.3	18.50	a_e	Ms	5.1
BRG	86.42		P	04:13:06.638	0.2	63.7		4.73		TAS		41.4	1.19	m_e	mb	5.4
BSEG	87.10		P	04:13:10.202	-0.0	63.7		4.73		TAS		49.3	1.72	m_e	mb	5.4
BSEG	87.10		L	04:54:42.799						T__		1157.8	18.80	a_e	Ms	5.3
BUG	89.91		P	04:13:23.207		63.7		4.73		TAS		20.1	1.09	m_e	mb	5.3
CLL	86.77		P	04:13:08.167	0.1	63.7		4.73		TAS		26.9	1.05	a_e	mb	5.3
CLL	86.77		L	04:58:15.493						T__		848.0	18.10	a_e	Ms	5.2
CLZ	88.02		P	04:13:14.566	-0.2	63.7		4.73		TAS		11.3	0.92	m_e	mb	5.2
FBE	86.73		P	04:13:08.591	-0.4	63.7		4.73		TAS		55.9	1.18	m_e	mb	5.6
FUR	89.14		P	04:13:20.167	-0.3	63.7		4.73		TAS		41.3	1.24	a_e	mb	5.5



FUR	89.14	L	05:00:16.988						T__	678.5	18.30	a_e	Ms	5.1
GEC2	87.39	P	04:13:11.472	-0.4	63.7		4.73		TAS	19.7	1.13	m_e	mb	5.1
GEC2	87.39	L	04:57:47.122						T__	452.5	19.80	a_e	Ms	4.9
GRA1	88.50	L	04:55:51.684						T__	1040.8	18.70	a_e	Ms	5.3
GTTG	88.38	P	04:13:16.217	0.1	63.7		4.73		TAS	16.9	0.95	a_e	mb	5.4
GUNZ	87.56	P	04:13:12.395	0.2	63.7		4.73		TAS	31.1	1.52	m_e	mb	5.4
IBBN	89.23	P	04:13:20.278	-0.5	63.7		4.73		TAS	39.2	1.53	m_e	mb	5.4
KAST	89.40	P	04:13:21.063	0.3	63.7		4.73		TAS	9.7	1.01	m_e	mb	5.0
MANZ	87.85	P	04:13:13.840	0.1	63.7		4.73		TAS	11.5	2.12	m_e	mb	4.8
MOX	87.85	P	04:13:13.567	-0.0	63.7		4.73		TAS	20.8	1.60	a_e	mb	5.2
MOX	87.85	L	04:55:29.935						T__	706.6	19.40	a_e	Ms	5.1
NEUB	87.52	P	04:13:11.751	0.1	63.7		4.73		TAS	53.6	1.74	m_e	mb	5.6
NRDL	87.87	P	04:13:14.009	0.1	63.7		4.73		TAS	76.2	2.41	m_e	mb	5.6
PLN	87.61	P	04:13:12.415	-0.1	63.7		4.73		TAS	33.8	1.70	m_e	mb	5.4
RETH	88.16	P	04:13:15.105	0.4	63.7		4.73		TAS	10.9	0.96	m_e	mb	5.2
RJOB	88.41	P	04:13:16.317	0.2	63.7		4.73		TAS	22.7	1.15	a_e	mb	5.4
ROTZ	87.89	P	04:13:14.037	0.0	63.7		4.73		TAS	12.5	2.00	m_e	mb	4.9
RUE	85.85	P	04:13:04.254	-0.2	63.7		4.73		TAS	108.8	1.37	m_e	mb	5.8
TANN	87.46	P	04:13:11.658	0.1	63.7		4.73		TAS	18.9	1.43	m_e	mb	5.0
TNS	89.85	P	04:13:23.317		63.7		4.73		TAS	17.3	1.32	m_e	mb	5.1
TNS	89.85	L	04:56:28.756						T__	634.0	19.40	a_e	Ms	5.1
UBBA	88.69	P	04:13:17.420	0.0	63.7		4.73		TAS	31.8	1.91	m_e	mb	5.2
UBR	90.06	P	04:13:24.142		63.7		4.73		TAS	30.1	1.00	m_e	mb	5.5
WERN	87.57	P	04:13:12.404	0.2	63.7		4.73		TAS	29.8	1.54	m_e	mb	5.4
WET	87.76	P	04:13:13.406	0.2	63.7		4.73		TAS	30.8	1.58	m_e	mb	5.4
WET	87.76	L	04:55:33.613						T__	624.3	20.10	a_e	Ms	5.0
WLF	91.41	P	04:13:30.826		63.7		4.73		TAS	40.2	1.44	m_e	mb	5.5

Event 60312003 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	11:55:53.34			51.4640	-174.0120				33.0					76.49	79.25	m i ke	BGR
60312009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60312009
Ms	4.1		BGR	60312009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	77.82		P	12:07:45.177		3.2		4.75		TAS		6.0	0.66	m_e	mb	4.9
CLL	77.43		P	12:07:42.899		3.2		4.75		TAS		10.8	1.30	m_e	mb	4.8
CLL	77.43		L	12:45:24.923						T__		78.0	18.80	a_e	Ms	4.1
CLZ	77.00		P	12:07:41.351		3.2		4.75		TAS		14.6	1.32	m_e	mb	4.9
FBE	77.80		P	12:07:45.501		3.2		4.75		TAS		8.0	0.74	m_e	mb	4.9
FLT1	76.49		P	12:07:37.359		3.2		4.75		TAS		14.7	1.38	m_e	mb	4.9
GRA1	79.12		P	12:07:52.981		3.2		4.75		TAS		21.0	1.30	m_e	mb	5.0

MOX	78.16	P	12:07:47.232	3.2	4.75	TAS	8.9	1.33	m_e	mb	4.7
MOX	78.16	L	12:41:10.687			T__	84.0	20.50	a_e	Ms	4.1
WERN	78.48	P	12:07:49.282	3.2	4.75	TAS	10.3	0.95	m_e	mb	4.9
WLF	79.25	L	12:42:41.137			T__	111.8	18.00	a_e	Ms	4.2

Event 60312004 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	12:41:05.35			38.1250	24.5780				33.0					13.29	18.60	m i ke	BGR
60312010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	60312010
Ms	3.6		BGR	60312010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	15.60		L	12:52:36.837						T__		293.6	20.40	a_e	Ms	3.4
BSEG	18.60		P	12:45:20.097		135.4		11.38		TAS		20.1	1.04	m_e	mb	4.3
BSEG	18.60		L	12:55:15.131						T__		463.3	19.10	a_e	Ms	3.8
CLL	15.51		L	12:52:17.722						T__		479.5	20.80	a_e	Ms	3.6
FUR	13.94		L	12:52:04.076						T__		593.5	18.00	a_e	Ms	3.7
GEC2	13.29		L	12:51:53.238						T__		211.5	19.80	a_e	Ms	3.2
GRA1	15.02		P	12:44:40.526		135.4		11.38		TAS		74.5	1.28	m_e		
GRA1	15.02		L	12:52:14.662						T__		492.1	18.80	a_e	Ms	3.7
MOX	15.54		L	12:52:00.579						T__		469.8	19.70	a_e	Ms	3.7
TNS	16.69		L	12:53:44.588						T__		280.7	19.20	a_e	Ms	3.5
WET	13.88		L	12:51:21.010						T__		490.4	20.70	a_e	Ms	3.6

Event 60312005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2016/03/12	13:23:50.14			52.5840	-175.2160				33.0					35	73.75	80.01	m i ke	BGR
60312011																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	60312011
Ms	5.2		BGR	60312011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.23		P	13:35:38.938	0.4	4.0		5.58		TAS		55.6	0.88	m_e	mb	5.7
ASSE	75.54		P	13:35:29.220	0.3	4.0		5.58		TAS		57.2	1.20	m_e	mb	5.6
BFO	79.42		P	13:35:50.545	-0.1	4.0		5.58		TAS		52.1	0.90	a_e	mb	5.6
BFO	79.42		L	14:13:24.060						T__		1372.0	20.10	a_e	Ms	5.3

BRG	76.63	P	13:35:35.095	-0.0	4.0	5.58	TAS	87.8	1.04	a_e	mb	5.8
BSEG	73.75	P	13:35:19.145	0.0	4.0	5.58	TAS	71.4	0.89	m_e	mb	5.7
BSEG	73.75	L	14:13:16.642				T__	1089.7	18.60	a_e	Ms	5.2
BUG	76.33	P	13:35:33.351	0.0	4.0	5.58	TAS	41.5	0.97	m_e	mb	5.5
CLL	76.25	P	13:35:32.995	-0.0	4.0	5.58	TAS	62.3	0.70	m_e	mb	5.8
CLL	76.25	L	14:11:59.537				T__	1159.0	20.30	a_e	Ms	5.2
CLZ	75.84	P	13:35:31.295	-0.3	4.0	5.58	TAS	83.4	0.78	a_e	mb	5.9
FBE	76.62	P	13:35:35.500	-0.2	4.0	5.58	TAS	112.0	0.87	m_e	mb	6.0
FLT1	75.32	P	13:35:27.652	-0.1	4.0	5.58	TAS	71.0	0.64	m_e	mb	5.8
FUR	79.48	P	13:35:51.141	-0.3	4.0	5.58	TAS	74.5	0.85	m_e	mb	5.7
FUR	79.48	L	14:19:41.130				T__	850.5	19.30	a_e	Ms	5.1
GEC2	78.66	P	13:35:46.667	-0.4	4.0	5.58	TAS	48.4	0.94	m_e	mb	5.5
GEC2	78.66	L	14:12:20.336				T__	1384.0	20.90	a_e	Ms	5.3
GRA1	77.96	P	13:35:43.311	0.1	4.0	5.58	TAS	34.2	1.13	m_e	mb	5.4
GRA1	77.96	L	14:14:12.670				T__	855.2	20.00	a_e	Ms	5.1
GTTG	76.15	P	13:35:32.995	-0.3	4.0	5.58	TAS	123.9	1.21	a_e	mb	5.9
GUNZ	77.23	P	13:35:38.997	0.1	4.0	5.58	TAS	55.0	1.03	m_e	mb	5.6
IBBN	75.45	P	13:35:28.901	0.3	4.0	5.58	TAS	134.0	1.16	m_e	mb	5.9
KAST	76.54	P	13:35:34.902	-0.2	4.0	5.58	TAS	52.8	1.26	m_e	mb	5.5
MANZ	77.62	P	13:35:40.859	0.5	4.0	5.58	TAS	82.1	2.58	m_e	mb	5.4
MOX	76.99	P	13:35:37.345	0.1	4.0	5.58	TAS	63.1	0.87	a_e	mb	5.8
MOX	76.99	L	14:13:43.965				T__	1169.5	19.50	a_e	Ms	5.2
NEUB	76.43	P	13:35:34.245	0.2	4.0	5.58	TAS	171.6	1.06	a_e	mb	6.1
NRDL	75.20	P	13:35:27.145	0.1	4.0	5.58	TAS	43.7	0.85	a_e	mb	5.5
PLN	77.12	P	13:35:38.045	0.2	4.0	5.58	TAS	45.6	1.02	a_e	mb	5.5
RETH	74.98	P	13:35:26.145	-0.2	4.0	5.58	TAS	50.3	0.96	a_e	mb	5.5
RJOB	79.82	P	13:35:53.067		4.0	5.58	TAS	34.2	0.83	m_e	mb	5.3
ROTZ	77.83	P	13:35:42.288	0.3	4.0	5.58	TAS	11.5	0.85	m_e	mb	5.0
RUE	75.04	P	13:35:26.495	-0.4	4.0	5.58	TAS	128.4	1.23	a_e	mb	5.8
STU	78.95	P	13:35:48.205	-0.2	4.0	5.58	TAS	153.8	0.74	m_e	mb	6.1
TANN	77.17	P	13:35:38.576	0.3	4.0	5.58	TAS	53.5	1.13	m_e	mb	5.6
TNS	77.52	P	13:35:40.408	0.2	4.0	5.58	TAS	66.3	0.91	m_e	mb	5.8
TNS	77.52	L	14:11:20.915				T__	897.7	20.10	a_e	Ms	5.1
UBBA	76.88	P	13:35:36.583	-0.1	4.0	5.58	TAS	46.8	1.35	m_e	mb	5.4
UBR	80.01	P	13:35:53.992		4.0	5.58	TAS	63.2	1.32	m_e	mb	5.4
WERD	77.15	P	13:35:38.345	0.2	4.0	5.58	TAS	53.9	1.15	a_e	mb	5.6
WERN	77.30	P	13:35:39.513	-0.1	4.0	5.58	TAS	109.7	1.00	m_e	mb	5.9
WET	78.42	P	13:35:45.495	-0.1	4.0	5.58	TAS	44.5	1.17	a_e	mb	5.5
WET	78.42	L	14:16:58.716				T__	1233.9	20.80	a_e	Ms	5.2
WLF	78.12	P	13:35:43.922	-0.1	4.0	5.58	TAS	51.5	1.07	m_e	mb	5.6

Event 60312006 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	15:04:39.34			36.9760	0.1910				33.0				26	12.82	18.35	m i ke	BGR
60312012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60312012
Ms	3.5		BGR	60312012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	16.86		P	15:08:33.397		216.2		11.61		TAS		67.1	1.69	m_e	mb	4.5
BFO	12.82		L	15:12:54.277						T__		466.9	19.60	a_e	Ms	3.5
BRG	17.02		P	15:08:36.737		216.2		11.61		TAS		82.7	1.35	m_e	mb	4.7
BSEG	18.35		P	15:08:47.565		216.2		11.61		TAS		192.8	1.12	m_e	mb	5.1
BSEG	18.35		L	15:16:22.374						T__		900.6	19.70	a_e	Ms	4.1
BUG	15.31		P	15:08:14.058	0.6	216.2		11.61		TAS		93.0	1.40	m_e		
CLL	16.99		P	15:08:36.037		216.2		11.61		TAS		99.8	1.08	m_e		
CLL	16.99		L	15:14:58.031						T__		394.8	21.30	a_e	Ms	3.6
CLZ	16.52		P	15:08:29.932	-2.0	216.2		11.61		TAS		26.2	1.07	m_e		
FBE	16.82		P	15:08:34.506		216.2		11.61		TAS		90.6	1.13	m_e		
FLT1	17.21		P	15:08:36.774		216.2		11.61		TAS		33.8	1.31	m_e		
FUR	13.83		L	15:14:04.207						T__		328.3	20.80	a_e	Ms	3.4
GEC2	15.42		P	15:08:18.457	-0.1	216.2		11.61		TAS		60.8	1.31	m_e		
GEC2	15.42		L	15:15:06.582						T__		320.3	20.30	a_e	Ms	3.5
GRA1	15.01		P	15:08:14.513	1.5	216.2		11.61		TAS		91.3	1.28	m_e		
GRA1	15.01		L	15:14:04.452						T__		435.6	21.20	a_e	Ms	3.6
GUNZ	15.98		P	15:08:24.594	-0.3	216.2		11.61		TAS		46.9	1.48	m_e		
HLG	18.01		P	15:08:45.472		216.2		11.61		TAS		272.3	1.14	m_e		
KAST	15.39		P	15:08:17.273	-0.5	216.2		11.61		TAS		41.0	1.37	m_e		
MANZ	15.59		P	15:08:20.748	0.1	216.2		11.61		TAS		6.6	1.06	m_e		
MOX	15.93		P	15:08:23.597	-0.6	216.2		11.61		TAS		34.6	1.14	m_e		
MOX	15.93		L	15:15:02.817						T__		284.0	19.30	a_e	Ms	3.5
NEUB	16.44		P	15:08:30.642	-1.4	216.2		11.61		TAS		80.7	1.28	m_e		
PLN	16.01		P	15:08:24.609	-1.5	216.2		11.61		TAS		59.2	1.67	m_e		
RETH	17.02		P	15:08:35.151		216.2		11.61		TAS		271.3	2.21	m_e		
ROTZ	15.46		P	15:08:18.957	-0.4	216.2		11.61		TAS		8.3	1.20	m_e		
RUE	18.21		P	15:08:49.138		216.2		11.61		TAS		345.3	1.16	m_e		
TANN	16.07		P	15:08:25.775	2.9	216.2		11.61		TAS		54.7	1.29	m_e		
TNS	14.52		P	15:08:04.553	0.2	216.2		11.61		TAS		43.8	1.51	m_e		
TNS	14.52		L	15:12:04.901						T__		92.8	21.30	a_e	Ms	2.9
UBR	12.96		P	15:07:48.785	-1.9	216.2		11.61		TAS		73.7	1.16	m_e		
WERN	15.93		P	15:08:24.399	0.1	216.2		11.61		TAS		187.2	3.03	m_e		
WET	15.27		P	15:08:16.047	-0.1	216.2		11.61		TAS		29.1	1.23	m_e		
WET	15.27		L	15:14:56.819						T__		368.8	19.30	a_e	Ms	3.5
WLF	13.40		P	15:07:50.397	-0.7	216.2		11.61		TAS		78.0	1.15	m_e		

Event 60312007 Spain

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	15:17:45.24			37.1140	-0.1210				33.0			24		12.81	18.31	m i ke	BGR

60312013

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60312013
Ms	3.4		BGR	60312013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	16.83		P	15:21:39.652		217.3		11.33		TAS		71.0	1.71	m_e	mb	4.5
BFO	12.81		L	15:26:00.171						T__		235.4	21.10	a_e	Ms	3.2
BRG	17.03		P	15:21:42.963		217.3		11.33		TAS		75.2	1.49	m_e	mb	4.6
BSEG	18.31		P	15:21:53.462		217.3		11.33		TAS		192.6	1.24	m_e	mb	5.1
BSEG	18.31		L	15:29:37.345						T__		697.3	19.30	a_e	Ms	4.0
BUG	15.26		P	15:21:20.436	0.1	217.3		11.33		TAS		63.7	1.21	m_e		
CLL	16.99		P	15:21:41.945		217.3		11.33		TAS		86.0	1.05	m_e		
CLL	16.99		L	15:28:41.844						T__		172.5	19.00	a_e	Ms	3.3
FBE	16.83		P	15:21:40.841		217.3		11.33		TAS		89.8	1.16	m_e		
FLT1	17.19		P	15:21:42.629		217.3		11.33		TAS		26.2	1.12	m_e		
FUR	13.85		P	15:21:07.961	0.4	217.3		11.33		TAS		115.2	1.15	m_e		
FUR	13.85		L	15:26:44.281						T__		254.0	21.10	a_e	Ms	3.3
GEC2	15.46		P	15:21:25.330	0.7	217.3		11.33		TAS		48.4	1.32	m_e		
GEC2	15.46		L	15:26:37.803						T__		194.7	20.80	a_e	Ms	3.2
GRA1	15.01		P	15:21:20.417	1.5	217.3		11.33		TAS		81.8	1.31	m_e		
GRA1	15.01		L	15:27:09.500						T__		264.0	21.30	a_e	Ms	3.3
IBBN	16.17		P	15:21:29.955	0.0	217.3		11.33		TAS		59.1	0.98	m_e		
KAST	15.34		P	15:21:23.381	0.6	217.3		11.33		TAS		81.9	1.77	m_e		
MANZ	15.60		P	15:21:26.747	0.1	217.3		11.33		TAS		75.3	2.92	m_e		
MOX	15.93		P	15:21:29.772	1.4	217.3		11.33		TAS		27.5	1.12	m_e		
MOX	15.93		L	15:27:46.304						T__		256.6	19.60	a_e	Ms	3.4
NEUB	16.43		P	15:21:36.589		217.3		11.33		TAS		92.5	1.43	m_e		
PLN	16.01		P	15:21:31.007	0.2	217.3		11.33		TAS		32.8	1.31	m_e		
RETH	16.98		P	15:21:41.261		217.3		11.33		TAS		339.9	2.27	m_e		
ROTZ	15.47		P	15:21:25.222	-0.3	217.3		11.33		TAS		9.5	1.21	m_e		
RUE	18.20		P	15:21:54.934		217.3		11.33		TAS		294.4	1.11	m_e		
TANN	16.07		P	15:21:32.111	-1.2	217.3		11.33		TAS		36.7	1.08	m_e		
TNS	14.48		L	15:28:07.929						T__		133.9	19.20	a_e	Ms	3.1
UBR	12.97		P	15:20:54.537	1.5	217.3		11.33		TAS		76.5	1.25	m_e		
WERN	15.94		P	15:21:30.113	-0.4	217.3		11.33		TAS		172.9	2.60	m_e		
WET	15.29		P	15:21:22.067	-0.4	217.3		11.33		TAS		1239.7	5.18	m_e		
WET	15.29		L	15:28:01.364						T__		251.6	19.10	a_e	Ms	3.4
WLF	13.34		P	15:20:56.310	-2.2	217.3		11.33		TAS		82.7	1.22	m_e		

Event 60312008 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	18:01:01.03		50.6700	-174.9910					33.0					74.92	81.40	m i ke	BGR
60312014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60312014
Ms	6.1		BGR	60312014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	81.34		L	18:55:38.344						T__		9217.2	20.90	a_e	Ms 6.1
BRG	78.55		P	18:12:56.590		5.0		4.78		TAS		7.8	0.97	m_e	mb 4.7
BSEG	75.67		L	18:53:44.995						T__		8661.0	21.90	a_e	Ms 6.0
CLL	78.17		P	18:12:54.274		5.0		4.78		TAS		7.9	0.77	m_e	mb 4.9
CLL	78.17		L	18:53:36.971						T__		9441.6	19.80	a_e	Ms 6.1
CLZ	77.76		P	18:12:52.822		5.0		4.78		TAS		12.8	1.05	m_e	mb 5.0
FLT1	77.24		P	18:12:49.033		5.0		4.78		TAS				m_e	
FUR	81.40		L	18:58:17.471						T__		8169.1	20.30	a_e	Ms 6.1
GEC2	80.59		L	19:00:09.802						T__		9324.3	21.50	a_e	Ms 6.1
GRA1	79.88		P	18:13:04.778		5.0		4.78		TAS		19.1	0.95	m_e	mb 5.0
GRA1	79.88		L	18:57:11.817						T__		7756.1	19.80	a_e	Ms 6.1
IBBN	77.37		P	18:12:50.144		5.0		4.78		TAS				m_e	
MOX	78.91		P	18:12:58.807		5.0		4.78		TAS		9.6	1.15	m_e	mb 4.7
MOX	78.91		L	18:56:53.293						T__		9920.9	20.50	a_e	Ms 6.1
NEUB	78.35		P	18:12:55.723		5.0		4.78		TAS		21.5	1.06	m_e	mb 5.2
RGN	74.92		L	18:50:50.834						T__		8778.3	20.50	a_e	Ms 6.0
TNS	79.44		P	18:13:01.706		5.0		4.78		TAS		7.9	0.81	m_e	mb 4.8
TNS	79.44		L	18:53:00.798						T__		7300.1	21.70	a_e	Ms 6.0
WERN	79.23		P	18:13:00.778		5.0		4.78		TAS		9.0	0.87	m_e	mb 4.8
WET	80.34		L	19:00:08.861						T__		8650.2	21.70	a_e	Ms 6.1

Event 60312009 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	18:06:51.06			51.8000	-174.8040				33.0			36		73.81	80.81	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	60312015
MBB	6.3		BGR	60312015
Ms	6.0		BGR	60312015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.02		P	18:18:44.403	0.3	3.8		5.52		TAS		160.3	0.99	m_e	mb 6.1
ASSE	76.34		P	18:18:34.720	0.3	3.8		5.52		TAS		130.6	1.12	m_e	mb 6.0
BFO	80.21		P	18:18:56.170	-0.2	3.8		5.52		TAS		237.3	1.35	m_e	mb 5.9
BRG	77.44		P	18:18:40.759	-0.1	3.8		5.52		TAS		247.1	1.09	m_e	mb 6.3
BSEG	74.55		P	18:18:24.503	-0.1	3.8		5.52		TAS		206.2	0.87	m_e	mb 6.2
BUG	77.12		P	18:18:38.916	-0.1	3.8		5.52		TAS		254.5	1.34	m_e	mb 6.2
CLL	77.06		P	18:18:38.552	-0.3	3.8		5.52		TAS		166.1	0.74	m_e	mb 6.3

CLZ	76.64	P	18:18:36.887	0.3	3.8	5.52	TAS	283.3	1.08	m_e	mb	6.3
FBE	77.42	P	18:18:40.997	-0.2	3.8	5.52	TAS	299.4	0.91	m_e	mb	6.4
FLT1	76.12	P	18:18:33.036	0.1	3.8	5.52	TAS	229.1	1.17	m_e	mb	6.2
FUR	80.28	P	18:18:56.534	-0.1	3.8	5.52	TAS	211.2	1.12	m_e	mb	6.0
GEC2	79.47	P	18:18:52.080	0.0	3.8	5.52	TAS	159.1	1.20	m_e	mb	5.9
GRA1	78.76	P	18:18:48.673	0.4	3.8	5.52	TAS	516.6	1.17	m_e	mb	6.4
GRA1	78.76	L	18:57:21.721				T__	8725.8	20.20	a_e	Ms	6.1
GTTG	76.95	P	18:18:38.604	-0.3	3.8	5.52	TAS	399.1	1.30	m_e	mb	6.4
GUNZ	78.03	P	18:18:44.587	0.4	3.8	5.52	TAS	151.3	1.05	m_e	mb	6.1
IBBN	76.25	P	18:18:34.493	-0.2	3.8	5.52	TAS	281.2	1.19	m_e	mb	6.3
KAST	77.34	P	18:18:40.217	0.1	3.8	5.52	TAS	93.9	1.02	m_e	mb	5.9
MANZ	78.42	P	18:18:46.513	0.1	3.8	5.52	TAS	525.6	3.45	m_e	mb	6.1
MOX	77.79	P	18:18:42.842	0.1	3.8	5.52	TAS	258.7	1.16	m_e	MBB	6.2
NEUB	77.23	P	18:18:39.801	-0.2	3.8	5.52	TAS	469.7	1.02	m_e	mb	6.6
NRDL	76.00	P	18:18:32.689	-0.7	3.8	5.52	TAS	128.9	1.18	m_e	mb	5.9
PLN	77.92	P	18:18:43.807	0.1	3.8	5.52	TAS	151.7	0.96	m_e	mb	6.1
RETH	75.78	P	18:18:31.684	-0.2	3.8	5.52	TAS	341.2	1.55	m_e	mb	6.2
RGN	73.81	P	18:18:21.954	1.0	3.8	5.52	TAS	269.7	0.76	m_e	mb	6.3
RJOB	80.63	P	18:18:58.480	-0.2	3.8	5.52	TAS	500.2	2.44	m_e	mb	6.1
ROTZ	78.64	P	18:18:47.761	0.4	3.8	5.52	TAS	29.4	0.93	m_e	mb	5.3
RUE	75.85	P	18:18:31.996	-0.4	3.8	5.52	TAS	409.5	1.17	m_e	mb	6.4
STU	79.75	P	18:18:53.797	-0.1	3.8	5.52	TAS	532.0	1.16	m_e	mb	6.4
TANN	77.98	P	18:18:44.015	0.2	3.8	5.52	TAS	310.6	1.64	m_e	mb	6.2
TNS	78.32	P	18:18:45.992	0.1	3.8	5.52	TAS	207.0	0.93	m_e	mb	6.2
UBBA	77.68	P	18:18:42.217	-0.1	3.8	5.52	TAS	209.0	1.56	m_e	mb	6.0
UBBA	77.68	L	18:51:51.448				T__	7340.5	21.10	a_e	Ms	6.0
UBR	80.81	P	18:18:59.398		3.8	5.52	TAS	253.3	1.41	m_e	mb	6.1
WERD	77.95	P	18:18:43.911	0.0	3.8	5.52	TAS	146.8	1.11	m_e	mb	6.0
WERN	78.11	P	18:18:45.108	0.2	3.8	5.52	TAS	276.9	1.01	m_e	mb	6.3
WET	79.22	P	18:18:50.911	-0.1	3.8	5.52	TAS	234.6	1.64	m_e	mb	6.0
WLF	78.91	P	18:18:49.426	0.1	3.8	5.52	TAS	1963.0	3.23	m_e	mb	6.6

Event 60312010 South of Aleutian Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/12	21:29:14.50			49.9800	-169.2380				33.0					78.07	80.71	m i ke	BGR
60312016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60312016
Ms	4.5		BGR	60312016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	79.49		P	21:41:14.806		1.3		4.77		TAS		5.8	1.08	m_e	mb	4.5
CLL	79.07		P	21:41:12.501		1.3		4.77		TAS		2.5	0.57	m_e	mb	4.4
CLZ	78.56		P	21:41:10.869		1.3		4.77		TAS		118.0	2.92	m_e	mb	5.4

FLT1	78.07	P	21:41:07.065	1.3	4.77	TAS	5.4	0.52	m_e mb	4.9
GRA1	80.71	P	21:41:22.725	1.3	4.77	TAS	8.1	0.53	m_e mb	5.0
GRA1	80.71	L	22:19:33.653			T__	178.9	19.10	a_e Ms	4.4
MOX	79.75	P	21:41:16.991	1.3	4.77	TAS	5.0	1.25	m_e mb	4.3
MOX	79.75	L	22:22:17.708			T__	210.6	20.20	a_e Ms	4.5
NEUB	79.20	P	21:41:13.603	1.3	4.77	TAS	9.7	0.93	m_e mb	4.8

Event 60313005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/13	02:07:37.14			42.2530	142.5380				33.0					76.81	78.98	m i ke	BGR
OrigID 60313011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60313011
Ms	3.7		BGR	60313011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLZ	77.51		P	02:19:27.764		36.7		4.94		TAS		5.1	0.55	m_e mb	4.9
FLT1	76.81		P	02:19:23.063		36.7		4.94		TAS		5.9	0.58	m_e mb	4.9
GEC2	78.73		P	02:19:34.118		36.7		4.94		TAS		1.4	0.64	m_e mb	4.1
GRA1	78.98		P	02:19:36.307		36.7		4.94		TAS		4.2	0.55	m_e mb	4.7
GRA1	78.98		L	02:56:15.581						T__		31.9	18.80	a_e Ms	3.7
MOX	78.06		L	02:54:22.195						T__		39.2	20.30	a_e Ms	3.7
RETH	77.12		P	02:19:25.278		36.7		4.94		TAS		7.9	0.83	m_e mb	4.9

Event 60313006 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2016/03/13	02:28:59.73			52.7240	-175.0710				33.0					21	73.62	79.69	m i ke	BGR
OrigID 60313012																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60313012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.28		P	02:40:59.371		3.9		5.59		TAS		3.9	0.71	m_e mb	4.5
BRG	76.50		P	02:40:43.997	0.2	3.9		5.59		TAS		6.5	0.53	m_e mb	5.0
BSEG	73.62		P	02:40:28.070	-0.1	3.9		5.59		TAS		6.4	0.78	m_e mb	4.7
CLL	76.12		P	02:40:41.856	0.2	3.9		5.59		TAS		6.2	0.60	m_e mb	4.9
CLZ	75.71		P	02:40:40.176	0.0	3.9		5.59		TAS		7.5	0.57	m_e mb	5.0
FLT1	75.19		P	02:40:36.414	-0.1	3.9		5.59		TAS		7.4	0.45	m_e mb	5.0
GEC2	78.53		P	02:40:55.488		3.9		5.59		TAS		3.6	0.70	m_e mb	4.5



GRA1	77.82	P	02:40:52.160		3.9	5.59	TAS	15.9	0.59	m_e	mb	5.3
GUNZ	77.10	P	02:40:47.753		3.9	5.59	TAS		0.82	m_e		
IBBN	75.32	P	02:40:37.665	-0.2	3.9	5.59	TAS	8.5	0.49	m_e	mb	5.0
KAST	76.41	P	02:40:43.562	0.3	3.9	5.59	TAS			m_e		
MANZ	77.49	P	02:40:49.633		3.9	5.59	TAS	0.5	0.47	m_e	mb	3.9
MOX	76.85	P	02:40:46.245	-0.1	3.9	5.59	TAS	4.8	0.60	m_e	mb	4.8
NRDL	75.06	P	02:40:36.110	-0.5	3.9	5.59	TAS	4.0	0.68	m_e	mb	4.6
PLN	76.98	P	02:40:46.919	-0.2	3.9	5.59	TAS		0.63	m_e		
RETH	74.85	P	02:40:34.904	0.1	3.9	5.59	TAS		1.04	m_e		
RJOB	79.69	P	02:41:01.906		3.9	5.59	TAS	3.8	0.71	m_e	mb	4.4
ROTZ	77.70	P	02:40:51.147		3.9	5.59	TAS	0.8	0.54	m_e	mb	4.1
ROTZ	77.70	L	03:18:48.164				T__	13.7	19.90	a_e		
TNS	77.39	P	02:40:49.214		3.9	5.59	TAS	5.8	0.63	m_e	mb	4.9
UBBA	76.74	L	03:20:04.954				T__	66.7	19.20	a_e		
WERD	77.02	P	02:40:47.220		3.9	5.59	TAS		0.54	m_e		
WERN	77.17	P	02:40:48.247		3.9	5.59	TAS		0.61	m_e		

Event 60313007 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/13	03:20:10.16			52.5080	-175.5280				10.0			29		73.82	79.88	m i ke	BGR
60313013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60313013
Ms	4.1		BGR	60313013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.30		P	03:32:02.684	0.1	4.2		5.58		TAS		28.0	1.36	m_e	mb	5.2
ASSE	75.61		P	03:31:52.973	0.2	4.2		5.58		TAS		25.0	1.55	m_e	mb	5.1
BFO	79.49		P	03:32:14.206		4.2		5.58		TAS		12.3	0.85	m_e	mb	5.0
BRG	76.68		P	03:31:58.929	0.1	4.2		5.58		TAS		17.3	0.66	m_e	mb	5.3
BSEG	73.82		P	03:31:42.958	-0.5	4.2		5.58		TAS		21.7	1.03	m_e	mb	5.1
CLL	76.31		P	03:31:56.665	-0.1	4.2		5.58		TAS		17.4	0.67	m_e	mb	5.3
CLZ	75.91		P	03:31:55.094	-0.1	4.2		5.58		TAS		21.1	0.69	m_e	mb	5.4
FBE	76.67		P	03:31:59.182	0.1	4.2		5.58		TAS		25.4	0.75	m_e	mb	5.4
FLT1	75.38		P	03:31:51.330	0.2	4.2		5.58		TAS		21.6	0.53	m_e	mb	5.4
GRA1	78.02		P	03:32:06.979	-0.2	4.2		5.58		TAS		35.4	0.60	m_e	mb	5.7
GRA1	78.02		L	04:09:18.445						T__		76.6	20.40	a_e	Ms	4.0
GTTG	76.22		P	03:31:56.666	0.2	4.2		5.58		TAS		29.6	1.27	m_e	mb	5.3
GUNZ	77.29		P	03:32:02.591	0.5	4.2		5.58		TAS		34.5	1.66	m_e	mb	5.2
IBBN	75.52		P	03:31:52.535	-0.3	4.2		5.58		TAS		25.1	0.64	m_e	mb	5.5
KAST	76.61		P	03:31:58.550	0.0	4.2		5.58		TAS		196.2	3.69	m_e	mb	5.6
MANZ	77.68		P	03:32:04.523	-0.3	4.2		5.58		TAS		2.3	0.89	m_e	mb	4.3
MOX	77.05		P	03:32:01.111	0.1	4.2		5.58		TAS		15.4	0.69	m_e	mb	5.2
MOX	77.05		L	04:08:51.230						T__		104.8	21.40	a_e	Ms	4.1

NEUB	76.49	P	03:31:58.202	0.0	4.2	5.58	TAS	43.3	1.18	m_e	mb	5.5
PLN	77.18	P	03:32:01.854	0.3	4.2	5.58	TAS	12.7	1.28	m_e	mb	4.9
RETH	75.05	P	03:31:49.842	-0.0	4.2	5.58	TAS	18.6	1.33	m_e	mb	4.9
RJOB	79.88	P	03:32:16.704		4.2	5.58	TAS	7.3	0.75	m_e	mb	4.7
ROTZ	77.89	P	03:32:05.885	-0.5	4.2	5.58	TAS	2.5	0.75	m_e	mb	4.4
STU	79.02	P	03:32:11.822		4.2	5.58	TAS	40.6	0.67	m_e	mb	5.6
TANN	77.23	P	03:32:02.243	-0.1	4.2	5.58	TAS	9.2	0.96	m_e	mb	4.9
TNS	77.59	P	03:32:04.124	0.1	4.2	5.58	TAS	16.0	0.77	m_e	mb	5.2
UBBA	76.94	P	03:32:00.303	0.2	4.2	5.58	TAS	30.4	1.80	m_e	mb	5.1
WERD	77.21	P	03:32:02.045	0.0	4.2	5.58	TAS	27.9	1.35	m_e	mb	5.2
WERN	77.36	P	03:32:03.140	0.2	4.2	5.58	TAS	20.5	0.87	m_e	mb	5.3
WET	78.47	P	03:32:09.147		4.2	5.58	TAS	6.1	0.69	m_e	mb	4.8
WLF	78.19	P	03:32:07.637		4.2	5.58	TAS	9.7	0.91	m_e	mb	4.9

Event 60313008 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/13	04:19:34.67			52.3460	-174.5450				33.0			31		74.01	80.27	m i ke	BGR
OrigID 60313014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60313014
Ms	4.9		BGR	60313014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.48		P	04:31:25.078	0.3	3.6		5.56		TAS		32.7	1.61	m_e	mb	5.2
ASSE	75.81		P	04:31:15.650	0.0	3.6		5.56		TAS		40.0	1.79	m_e	mb	5.2
BFO	79.67		P	04:31:36.608		3.6		5.56		TAS		45.3	1.66	m_e	mb	5.1
BFO	79.67		L	05:09:19.954						T__		729.2	20.10	a_e	Ms	5.0
BRG	76.91		P	04:31:21.232	0.3	3.6		5.56		TAS		853.8	4.32	m_e	mb	6.2
BSEG	74.01		L	05:06:20.697						T__		447.0	21.30	a_e	Ms	4.7
BUG	76.58		P	04:31:19.673	-0.3	3.6		5.56		TAS		27.1	1.69	m_e	mb	5.1
CLL	76.53		P	04:31:19.053	0.6	3.6		5.56		TAS		42.6	1.70	m_e	mb	5.3
CLL	76.53		L	05:07:35.353						T__		656.6	20.10	a_e	Ms	4.9
CLZ	76.10		P	04:31:17.211	0.1	3.6		5.56		TAS		63.7	1.66	m_e	mb	5.5
FBE	76.89		P	04:31:22.029	-0.1	3.6		5.56		TAS		72.8	1.55	m_e	mb	5.6
FLT1	75.58		P	04:31:13.588	0.1	3.6		5.56		TAS		61.8	1.89	m_e	mb	5.4
FUR	79.75		L	05:10:54.794						T__		361.2	20.10	a_e	Ms	4.7
GEC2	78.94		P	04:31:32.561		3.6		5.56		TAS		31.2	1.52	a_e	mb	5.1
GEC2	78.94		L	05:08:06.311						T__		705.8	21.40	a_e	Ms	5.0
GRA1	78.22		P	04:31:29.334	-0.1	3.6		5.56		TAS		84.3	1.51	m_e	mb	5.6
GRA1	78.22		L	05:09:59.567						T__		470.7	20.20	a_e	Ms	4.8
GTTG	76.41		P	04:31:18.861	-0.3	3.6		5.56		TAS		34.0	1.25	a_e	mb	5.3
GUNZ	77.50		P	04:31:24.982	0.2	3.6		5.56		TAS		40.2	1.57	m_e	mb	5.3
IBBN	75.70		P	04:31:14.611	-0.3	3.6		5.56		TAS		83.7	1.83	a_e	mb	5.6
KAST	76.80		P	04:31:20.577	-0.1	3.6		5.56		TAS		16.2	1.40	m_e	mb	5.0

MANZ	77.89	P	04:31:27.299	-0.0	3.6	5.56	TAS	4.3	1.28	m_e	mb	4.4
MOX	77.25	P	04:31:23.311	0.4	3.6	5.56	TAS	32.7	1.50	a_e	mb	5.2
MOX	77.25	L	05:09:20.072				T__	618.5	19.60	a_e	Ms	4.9
NEUB	76.70	P	04:31:20.439	-0.1	3.6	5.56	TAS	54.8	1.26	m_e	mb	5.5
NRDL	75.46	P	04:31:13.258	0.1	3.6	5.56	TAS	16.6	1.18	m_e	mb	5.0
PLN	77.39	P	04:31:24.073	0.1	3.6	5.56	TAS	17.4	1.36	m_e	mb	5.0
RETH	75.24	P	04:31:12.061	-0.2	3.6	5.56	TAS	39.8	1.61	a_e	mb	5.2
ROTZ	78.10	P	04:31:28.354	-0.3	3.6	5.56	TAS	4.9	1.11	m_e	mb	4.5
STU	79.21	P	04:31:34.181		3.6	5.56	TAS	62.3	1.34	m_e	mb	5.5
TANN	77.44	P	04:31:24.570	0.2	3.6	5.56	TAS	28.5	1.48	m_e	mb	5.2
TNS	77.78	P	04:31:26.518	0.3	3.6	5.56	TAS	20.6	1.35	m_e	mb	5.1
TNS	77.78	L	05:08:22.391				T__	563.1	18.40	a_e	Ms	4.9
UBBA	77.14	P	04:31:22.761	0.1	3.6	5.56	TAS	22.5	1.43	a_e	mb	5.1
UBR	80.27	P	04:31:39.639		3.6	5.56	TAS	64.5	1.65	m_e	mb	5.3
WERD	77.42	P	04:31:24.710	0.2	3.6	5.56	TAS	33.6	1.67	m_e	mb	5.2
WERN	77.58	P	04:31:25.466	0.5	3.6	5.56	TAS	41.9	1.37	m_e	mb	5.4
WET	78.69	P	04:31:31.411	-0.6	3.6	5.56	TAS	25.1	1.40	a_e	mb	5.1
WET	78.69	L	05:08:50.435				T__	690.7	20.50	a_e	Ms	5.0
WLF	78.37	P	04:31:29.786	-0.3	3.6	5.56	TAS	17.9	1.40	m_e	mb	5.0

Event 60313009 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
2016/03/13	18:42:35.86			53.2500	158.5390				33.0			16		71.29	75.68	m i ke	BGR
OrigID 60313015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60313015
Ms	4.0		BGR	60313015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	75.68	P		18:54:16.242		19.7		5.89		TAS		4.6	0.64	m_e	mb	4.8
CLL	71.87	P		18:53:54.157	0.2	19.7		5.89		TAS		12.4	0.83	m_e	mb	5.1
CLZ	71.93	P		18:53:55.372	0.3	19.7		5.89		TAS		13.3	0.87	m_e	mb	5.1
FLT1	71.29	P		18:53:50.554	0.5	19.7		5.89		TAS		7.9	0.76	m_e	mb	4.9
GEC2	74.01	P		18:54:07.100		19.7		5.89		TAS		2.8	0.58	m_e	mb	4.5
GRA1	73.78	L		19:34:23.456						T__		89.7	18.70	a_e	Ms	4.1
GRA2	73.78	P		18:54:06.597		19.7		5.89		TAS		7.4	0.64	m_e	mb	4.9
GUNZ	72.90	P		18:54:00.892		19.7		5.89		TAS		7.8	0.94	m_e	mb	4.8
IBBN	72.01	P		18:53:55.726	0.1	19.7		5.89		TAS		91.0	1.36	m_e	mb	5.7
KAST	72.93	P		18:54:01.083		19.7		5.89		TAS		6.3	0.63	m_e	mb	4.9
MOX	72.80	P		18:54:00.032	-0.8	19.7		5.89		TAS		4.0	0.60	m_e	mb	4.7
MOX	72.80	L		19:33:20.164						T__		73.2	18.80	a_e	Ms	4.0
NRDL	71.37	P		18:53:51.170	-0.0	19.7		5.89		TAS		5.1	0.72	m_e	mb	4.7
RETH	71.29	P		18:53:50.921	0.5	19.7		5.89		TAS		13.8	1.06	m_e	mb	5.0
ROTZ	73.49	P		18:54:04.209		19.7		5.89		TAS		0.8	0.66	m_e	mb	4.0

TNS	73.86	P	18:54:06.481	19.7	5.89	TAS	6.1	0.64	m_e	mb	4.8
WERD	72.83	P	18:54:00.035	19.7	5.89	TAS	12.4	1.06	m_e	mb	5.0
WERN	72.96	P	18:54:01.356	19.7	5.89	TAS	9.5	0.81	m_e	mb	5.0
WET	73.92	P	18:54:07.157	19.7	5.89	TAS	5.4	0.64	m_e	mb	4.7

Event 60314017 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/14	07:03:18.91			29.8340	129.0280				231.5			34		81.24	86.00	m i ke	BGR
60314023																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	60314023
MBB	6.2		BGR	60314023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.97		P	07:15:29.376	-0.3	49.7		5.02		TAS		67.8	1.08	m_e	mb	5.8
ASSE	82.22		P	07:15:14.966	-0.1	49.7		5.02		TAS		127.5	1.67	m_e	mb	5.8
BFO	85.84		P	07:15:32.601		49.7		5.02		TAS		94.4	2.15	m_e	mb	5.5
BFO	85.84		pP	07:16:27.967						T__				m_e		
BRG	81.40		P	07:15:10.836	0.1	49.7		5.02		TAS		62.5	1.46	m_e	mb	5.4
BSEG	81.24		P	07:15:09.964	-0.5	49.7		5.02		TAS		58.4	0.83	a_e	mb	5.6
BUG	84.27		P	07:15:25.401	0.1	49.7		5.02		TAS		244.1	1.80	m_e	mb	6.1
CLL	81.61		P	07:15:11.814	-0.5	49.7		5.02		TAS		52.0	0.66	m_e	mb	5.8
CLZ	82.55		P	07:15:17.314	-0.2	49.7		5.02		TAS		167.2	1.14	a_e	mb	6.2
FBE	81.67		P	07:15:12.537	-0.1	49.7		5.02		TAS		110.0	1.32	m_e	mb	5.8
FLT1	81.83		P	07:15:12.762		49.7		5.02		TAS		308.2	1.86	m_e	mb	6.1
FUR	84.45		P	07:15:26.903	0.1	49.7		5.02		TAS		578.6	2.05	m_e	mb	6.5
GEC2	82.76		P	07:15:18.064	0.3	49.7		5.02		TAS		39.2	0.98	m_e	mb	5.6
GRA1	83.50		P	07:15:22.189	-0.2	49.7		5.02		TAS		719.0	2.37	m_e	mb	6.5
GTTG	82.93		P	07:15:19.190	0.2	49.7		5.02		TAS		120.5	0.92	m_e	mb	6.1
GUNZ	82.52		P	07:15:16.869	0.1	49.7		5.02		TAS		219.9	2.00	m_e	mb	6.0
IBBN	83.47		P	07:15:21.466	0.2	49.7		5.02		TAS		331.9	1.58	m_e	mb	6.3
KAST	83.89		P	07:15:23.864	0.3	49.7		5.02		TAS		157.1	1.62	a_e	mb	6.0
MANZ	82.87		P	07:15:18.651	0.2	49.7		5.02		TAS		12.0	1.07	m_e	mb	5.0
MOX	82.70		P	07:15:17.682	0.1	49.7		5.02		TAS		148.1	1.88	m_e	MBB	6.0
NEUB	82.28		P	07:15:15.620	-0.0	49.7		5.02		TAS		142.5	0.95	m_e	mb	6.1
NRDL	82.26		P	07:15:15.059	0.0	49.7		5.02		TAS		81.6	1.36	m_e	mb	5.7
PLN	82.53		P	07:15:16.730	0.4	49.7		5.02		TAS		44.6	1.11	m_e	mb	5.6
RETH	82.45		P	07:15:16.214	0.1	49.7		5.02		TAS		100.6	1.24	a_e	mb	5.8
ROTZ	82.96		P	07:15:19.414	0.1	49.7		5.02		TAS		21.8	1.18	m_e	mb	5.3
STU	85.11		P	07:15:29.614	-0.5	49.7		5.02		TAS				a_e		
TANN	82.43		P	07:15:16.218	-0.0	49.7		5.02		TAS		93.0	1.75	m_e	mb	5.6
TNS	84.53		P	07:15:26.919	-0.3	49.7		5.02		TAS		71.6	1.40	m_e	mb	5.7
UBBA	83.39		P	07:15:21.197	0.4	49.7		5.02		TAS		230.1	1.72	m_e	mb	6.1
UBR	85.36		P	07:15:30.538	0.1	49.7		5.02		TAS		62.1	1.47	m_e	mb	5.6

WERD	82.48	P	07:15:16.548	0.0	49.7	5.02	TAS	41.3	0.96	m_e	mb	5.5
WERN	82.55	P	07:15:17.117	0.1	49.7	5.02	TAS	66.1	0.99	m_e	mb	5.8
WET	83.00	P	07:15:19.476	0.0	49.7	5.02	TAS	43.0	1.31	m_e	mb	5.5
WLF	86.00	P	07:15:34.264		49.7	5.02	TAS	128.6	1.46	a_e	mb	5.8

Event 60314016 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/14	15:39:30.60			-16.1700	-172.8800				10.0			6		145.42	147.91	m i ke	EMSC
OrigID 60314048																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	60314022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.91		PKPbc	15:59:17.702		7.1		3.27		TAS				m_e	
GRA1	146.40		PKPbc	15:59:14.482		7.1		3.27		TAS				m_e	
GRA1	146.40		L	17:07:47.230						T__		124.7	19.00	a_e	Ms 4.7
MANZ	146.03		PKPbc	15:59:12.872		7.1		3.27		TAS				m_e	
MOX	145.42		L	17:01:32.924						T__		141.2	18.20	a_e	Ms 4.8
ROTZ	146.24		PKPbc	15:59:13.194		7.1		3.27		TAS				m_e	
TANN	145.57		PKPbc	15:59:10.617		7.1		3.27		TAS				m_e	
WERN	145.71		PKPbc	15:59:12.228		7.1		3.27		TAS				m_e	

Event 60315001 Southwest of Africa

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/14	23:25:39.90			-52.6500	18.8300				10.0			13		100.14	106.45	m i ke	EMSC
OrigID 60315033																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	60315007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	101.00		L	00:31:21.217						T__		1411.8	19.00	a_e	Ms 5.5
BRG	103.23		PP	23:43:52.576						T__				m_e	
BSEG	106.45		L	00:30:28.070						T__		1542.2	19.70	a_e	Ms 5.6
CLL	103.70		PP	23:43:55.106	-1.5					T__				m_e	
CLL	103.70		L	00:30:33.069						T__		2110.7	20.10	a_e	Ms 5.7
FBE	103.30		PP	23:43:53.160						T__				m_e	
FUR	100.64		PP	23:43:32.142						T__				m_e	
FUR	100.64		L	00:30:18.296						T__		3242.1	19.30	a_e	Ms 5.8
GEC2	101.21		PP	23:43:37.396						T__				m_e	

GEC2	101.21	L	00:30:29.077		T__	3287.3	19.30	a_e	Ms	5.9
GRA1	102.17	L	00:25:54.764		T__	2118.9	20.50	a_e	Ms	5.6
GUNZ	102.78	PP	23:43:49.267		T__			m_e		
MOX	103.10	PP	23:43:51.992		T__			m_e		
MOX	103.10	L	00:28:38.342		T__	1669.4	21.80	a_e	Ms	5.5
NEUB	103.64	PP	23:43:56.468		T__			m_e		
RETH	105.31	PP	23:44:07.756	-0.1	T__			m_e		
RJOB	100.14	PP	23:43:26.887		T__			m_e		
ROTZ	102.19	PP	23:43:45.375		T__			m_e		
TNS	102.87	L	00:26:13.400		T__	2147.9	21.10	a_e	Ms	5.6
WERN	102.71	PP	23:43:48.489		T__			m_e		
WET	101.54	PP	23:43:39.926		T__			m_e		
WET	101.54	L	00:29:29.927		T__	3309.2	20.60	a_e	Ms	5.8

Event 60315010 Spain

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/15	04:41:10.45			37.2820	-0.4870				33.0			35		12.79	18.25	m i ke	BGR
60315016																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.0		BGR	60315016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	14.32		P	04:44:35.513	-0.1	218.6		11.66		TAS		168.8	2.02	m_e		
ASSE	16.80		P	04:45:05.210	-1.0	218.6		11.66		TAS		92.4	1.60	m_e		
BFO	12.79		P	04:44:18.313	-1.9	218.6		11.66		TAS		67.5	1.39	m_e		
BFO	12.79		L	04:49:27.876						T__		1617.7	20.90	a_e	Ms	4.0
BRG	17.05		P	04:45:10.438	0.4	218.6		11.66		TAS		128.9	1.27	m_e		
BSEG	18.25		P	04:45:20.667	-1.3	218.6		11.66		TAS		379.8	1.30	m_e		
BSEG	18.25		L	04:52:55.361						T__		3455.4	20.30	a_e	Ms	4.6
BUG	15.19		P	04:44:46.445	1.5	218.6		11.66		TAS		107.4	1.40	m_e		
CLL	16.98		P	04:45:08.955	-0.5	218.6		11.66		TAS		150.6	1.11	m_e		
CLL	16.98		L	04:49:41.588						T__		370.3	21.60	a_e	Ms	3.6
CLZ	16.46		P	04:45:02.993	0.8	218.6		11.66		TAS		108.3	1.23	m_e		
FBE	16.83		P	04:45:07.426	-0.2	218.6		11.66		TAS		114.8	1.05	m_e		
FLT1	17.16		P	04:45:09.647	-0.9	218.6		11.66		TAS		93.2	1.54	m_e		
FUR	13.87		P	04:44:32.914	0.2	218.6		11.66		TAS		220.1	1.42	m_e		
FUR	13.87		L	04:50:37.027						T__		1781.4	20.30	a_e	Ms	4.1
GEC2	15.50		P	04:44:51.577	0.7	218.6		11.66		TAS		88.0	1.52	m_e		
GEC2	15.50		L	04:51:39.866						T__		1055.6	20.70	a_e	Ms	4.0
GRA1	15.01		P	04:44:45.627	-0.8	218.6		11.66		TAS		124.0	1.33	m_e		
GRA1	15.01		L	04:50:48.995						T__		1221.6	22.00	a_e	Ms	4.0
GTTG	16.07		P	04:44:58.185	0.5	218.6		11.66		TAS		66.2	1.13	m_e		
GUNZ	15.99		P	04:44:57.980	0.2	218.6		11.66		TAS		470.9	2.68	m_e		
IBBN	16.10		P	04:44:57.560	2.3	218.6		11.66		TAS		666.8	2.68	m_e		

KAST	15.29	P	04:44:48.690	1.1	218.6	11.66	TAS	98.4	1.60	m_e		
MANZ	15.60	P	04:44:54.408	1.1	218.6	11.66	TAS	15.3	1.16	m_e		
MOX	15.92	P	04:44:57.080	0.1	218.6	11.66	TAS	67.0	1.23	m_e		
MOX	15.92	L	04:51:24.493				T__	1044.4	20.90	a_e	Ms	4.0
NEUB	16.42	P	04:45:03.471	0.8	218.6	11.66	TAS	112.0	0.92	m_e		
NRDL	16.93	P	04:45:05.652	-1.4	218.6	11.66	TAS	247.2	1.85	m_e		
PLN	16.01	P	04:44:57.799	-0.2	218.6	11.66	TAS	150.8	1.75	m_e		
RETH	16.92	P	04:45:06.626	0.5	218.6	11.66	TAS	796.1	2.51	m_e		
RJOB	14.30	P	04:44:38.341	1.9	218.6	11.66	TAS	20.5	1.20	m_e		
ROTZ	15.48	P	04:44:52.265	0.5	218.6	11.66	TAS	17.4	1.21	m_e		
RUE	18.19	P	04:45:22.131		218.6	11.66	TAS	605.7	1.32	m_e		
STU	13.48	P	04:44:27.479	-0.9	218.6	11.66	TAS	122.7	1.16	m_e		
TANN	16.08	P	04:44:58.829	-0.0	218.6	11.66	TAS	51.7	1.10	m_e		
TNS	14.44	P	04:44:38.369	-0.2	218.6	11.66	TAS	124.1	1.97	m_e		
TNS	14.44	L	04:53:33.962				T__	558.9	22.00	a_e	Ms	3.6
UBBA	15.47	P	04:44:49.952	-1.1	218.6	11.66	TAS	1182.7	4.45	m_e		
UBR	12.99	P	04:44:22.066	-0.6	218.6	11.66	TAS	142.6	1.28	m_e		
WERD	16.04	P	04:44:58.487	0.1	218.6	11.66	TAS	271.1	2.31	m_e		
WERN	15.95	P	04:44:57.518	0.2	218.6	11.66	TAS	1164.4	3.43	m_e		
WET	15.32	P	04:44:48.603	-0.8	218.6	11.66	TAS	98.2	1.95	m_e		
WET	15.32	L	04:51:29.910				T__	1813.6	18.30	a_e	Ms	4.3
WLF	13.28	P	04:44:22.674	-0.5	218.6	11.66	TAS	134.3	1.40	m_e		

Event 60315011 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/15	05:05:50.41			42.1330	138.7050				33.0			17		74.58	79.85	m i ke	BGR
60315017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60315017
Ms	4.4		BGR	60315017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.85		L	06:02:17.311						T__		127.3	19.40	a_e	Ms 4.3
BRG	75.62		P	05:17:30.613	0.2	37.1		5.60		TAS		9.7	1.15	m_e	mb 4.8
BSEG	74.58		P	05:17:25.114	-0.5	37.1		5.60		TAS		20.0	1.20	m_e	mb 5.0
CLL	75.65		P	05:17:30.624	-0.3	37.1		5.60		TAS		14.9	1.03	m_e	mb 5.1
CLL	75.65		L	05:55:57.078						T__		242.5	20.00	a_e	Ms 4.5
CLZ	76.23		P	05:17:34.109	0.1	37.1		5.60		TAS		16.4	1.17	m_e	mb 5.0
FBE	75.82		P	05:17:32.181	-0.3	37.1		5.60		TAS		9.8	0.90	m_e	mb 4.9
FLT1	75.52		P	05:17:29.548	-0.4	37.1		5.60		TAS		15.1	1.13	m_e	mb 5.0
FUR	78.83		L	05:57:57.269						T__		266.4	19.00	a_e	Ms 4.6
GEC2	77.30		P	05:17:39.763		37.1		5.60		TAS		8.0	1.19	m_e	mb 4.7
GEC2	77.30		L	05:56:41.038						T__		195.8	20.70	a_e	Ms 4.4
GRA1	77.63		P	05:17:42.094		37.1		5.60		TAS		20.9	1.04	m_e	mb 5.2

GRA1	77.63	L	05:58:49.845						T__	95.7	21.50	a_e	Ms	4.1
GUNZ	76.66	P	05:17:36.629	37.1	5.60				TAS	9.9	1.23	m_e	mb	4.8
HLG	75.23	L	05:55:47.503						T__	264.1	19.40	a_e	Ms	4.5
MANZ	77.04	P	05:17:38.885	37.1	5.60				TAS	1.7	1.09	m_e	mb	4.1
MOX	76.72	P	05:17:36.403	37.1	5.60				TAS	8.7	1.08	m_e	mb	4.8
MOX	76.72	L	05:56:30.092						T__	153.3	18.30	a_e	Ms	4.4
RETH	75.88	P	05:17:31.917	0.1 37.1	5.60				TAS	15.0	1.16	m_e	mb	5.0
RJOB	78.54	P	05:17:47.194	37.1	5.60				TAS	8.6	0.98	m_e	mb	4.7
ROTZ	77.18	P	05:17:39.111	37.1	5.60				TAS	2.2	1.09	m_e	mb	4.2
TANN	76.57	P	05:17:36.042	37.1	5.60				TAS	29.7	2.00	m_e	mb	5.1
TNS	78.26	L	05:57:54.792						T__	180.4	19.30	a_e	Ms	4.4
WERN	76.70	P	05:17:36.870	37.1	5.60				TAS	11.0	1.10	m_e	mb	4.9
WET	77.40	P	05:17:40.668	37.1	5.60				TAS	14.9	1.32	m_e	mb	5.0
WET	77.40	L	05:59:24.952						T__	127.6	21.10	a_e	Ms	4.2

Event 60316014 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/16	09:35:38.60			-17.5300	-178.8300				499.0			28		144.28	149.05	m i ke	EMSC
	60316046																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	60316020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.67		PKPbc	09:54:17.389	-0.1	17.8		2.82		TAS				a_e	
BFO	148.73		PKPbc	09:54:28.513		17.8		2.82		TAS				m_e	
BRG	145.20		PKPbc	09:54:19.289	0.1	17.8		2.82		TAS				a_e	
CLL	145.01		PKPbc	09:54:18.494	0.2	17.8		2.82		TAS				m_e	
CLZ	145.00		PKPbc	09:54:18.699	0.3	17.8		2.82		TAS				m_e	
FBE	145.29		PKPbc	09:54:19.910	0.1	17.8		2.82		TAS				m_e	
FLT1	144.38		PKPbc	09:54:16.089	0.2	17.8		2.82		TAS				a_e	
FUR	148.35		PKPbc	09:54:27.922		17.8		2.82		TAS				m_e	
GEC2	147.14		PKPbc	09:54:24.700		17.8		2.82		TAS				m_e	
GRA1	146.91		PKPbc	09:54:24.289		17.8		2.82		TAS				m_e	
GRA1	146.91		L	10:51:23.441						T__		113.2	19.50	a_e	Ms 4.7
GTTG	145.35		PKPbc	09:54:19.700	0.1	17.8		2.82		TAS				m_e	
GUNZ	146.04		PKPbc	09:54:21.835	-0.0	17.8		2.82		TAS				m_e	
IBBN	144.91		PKPbc	09:54:18.237	0.3	17.8		2.82		TAS				m_e	
KAST	145.91		PKPbc	09:54:21.080	0.2	17.8		2.82		TAS				m_e	
MANZ	146.44		PKPbc	09:54:22.889	0.5	17.8		2.82		TAS				a_e	
MOX	145.92		PKPbc	09:54:21.219	0.3	17.8		2.82		TAS				m_e	
NEUB	145.37		PKPbc	09:54:19.760	0.1	17.8		2.82		TAS				m_e	
NRDL	144.41		PKPbc	09:54:16.439	-0.2	17.8		2.82		TAS				a_e	
PLN	145.96		PKPbc	09:54:21.450	0.2	17.8		2.82		TAS				m_e	
RETH	144.28		PKPbc	09:54:16.039	0.0	17.8		2.82		TAS				a_e	



ROTZ	146.63	PKPbc	09:54:23.339	-0.2	17.8	2.82	TAS	a_e
TANN	145.97	PKPbc	09:54:21.439	0.1	17.8	2.82	TAS	a_e
TNS	146.87	PKPbc	09:54:23.905	-0.5	17.8	2.82	TAS	m_e
UBR	149.05	PKPbc	09:54:29.503		17.8	2.82	TAS	m_e
WERD	145.97	PKPbc	09:54:21.591	0.2	17.8	2.82	TAS	m_e
WERN	146.10	PKPbc	09:54:22.077	-0.3	17.8	2.82	TAS	m_e
WET	147.07	PKPbc	09:54:24.589		17.8	2.82	TAS	a_e
WLF	147.69	PKPbc	09:54:26.572		17.8	2.82	TAS	m_e

Event 60316013 Strait of Gibraltar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/16	16:27:37.23			35.2540	-3.0490				10.0					15.55	19.87	m i ke	BGR
OrigID 60316019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	60316019
Ms	3.4		BGR	60316019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	15.55		P	16:31:20.518		218.0		11.51		TAS		29.5	1.34	m_e	mb 4.2
BFO	15.55		L	16:38:08.073						T__		316.0	18.20	a_e	Ms 3.5
BRG	19.87		P	16:32:09.251		218.0		11.51		TAS		70.8	2.19	m_e	mb 4.5
CLL	19.78		L	16:38:45.577						T__		145.2	20.70	a_e	Ms 3.3
FUR	16.72		L	16:41:22.820						T__		304.3	20.60	a_e	Ms 3.5
GEC2	18.36		L	16:37:51.170						T__		326.5	22.00	a_e	Ms 3.6
GRA1	17.81		P	16:31:46.052		218.0		11.51		TAS		53.2	1.76	m_e	mb 4.4
GRA1	17.81		L	16:38:02.312						T__		187.1	19.50	a_e	Ms 3.4
MOX	18.70		L	16:38:01.991						T__		223.7	21.90	a_e	Ms 3.4
TNS	17.15		L	16:37:12.470						T__		283.2	21.90	a_e	Ms 3.5
WET	18.16		L	16:38:11.111						T__		86.6	18.10	a_e	Ms 3.1

Event 60318003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/18	00:16:55.68			-22.8270	173.0440				33.0					146.31	151.79	m i ke	BGR
OrigID 60318009																	

Magnitude	Err	Nsta	Author	OrigID
AHRW	150.24		PKPbc	00:36:44.219
ASSE	147.75		PKPbc	00:36:37.369

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.24		PKPbc	00:36:44.219		34.6		2.61		TAS				a_e	
ASSE	147.75		PKPbc	00:36:37.369		34.6		2.61		TAS				a_e	

BFO	151.79	PKPbc	00:36:47.219	34.6	2.61	TAS	a_e
BRG	147.62	PKPbc	00:36:36.819	34.6	2.61	TAS	a_e
BSEG	146.31	PKPbc	00:36:33.069	34.6	2.61	TAS	a_e
CLL	147.63	PKPbc	00:36:36.619	34.6	2.61	TAS	a_e
CLZ	148.10	PKPbc	00:36:38.569	34.6	2.61	TAS	a_e
FBE	147.81	PKPbc	00:36:37.619	34.6	2.61	TAS	a_e
FLT1	147.40	PKPbc	00:36:36.088	34.6	2.61	TAS	m_e
FUR	150.83	PKPbc	00:36:45.206	34.6	2.61	TAS	m_e
GEC2	149.30	PKPbc	00:36:41.369	34.6	2.61	TAS	a_e
GTTG	148.48	PKPbc	00:36:39.631	34.6	2.61	TAS	m_e
GUNZ	148.65	PKPbc	00:36:39.969	34.6	2.61	TAS	a_e
IBBN	148.47	PKPbc	00:36:39.437	34.6	2.61	TAS	m_e
KAST	149.26	PKPbc	00:36:41.576	34.6	2.61	TAS	m_e
MANZ	149.04	PKPbc	00:36:40.969	34.6	2.61	TAS	a_e
MOX	148.68	PKPbc	00:36:39.618	34.6	2.61	TAS	m_e
NEUB	148.17	PKPbc	00:36:38.419	34.6	2.61	TAS	a_e
NRDL	147.62	PKPbc	00:36:37.069	34.6	2.61	TAS	a_e
PLN	148.61	PKPbc	00:36:39.841	34.6	2.61	TAS	m_e
RETH	147.63	PKPbc	00:36:37.019	34.6	2.61	TAS	a_e
RJOB	150.54	PKPbc	00:36:44.226	34.6	2.61	TAS	m_e
ROTZ	149.18	PKPbc	00:36:41.219	34.6	2.61	TAS	a_e
RUE	146.40	PKPbc	00:36:33.219	34.6	2.61	TAS	a_e
STU	151.11	PKPbc	00:36:45.969	34.6	2.61	TAS	a_e
TANN	148.56	PKPbc	00:36:39.619	34.6	2.61	TAS	a_e
TNS	150.11	PKPbc	00:36:43.869	34.6	2.61	TAS	a_e
UBBA	149.09	PKPbc	00:36:40.794	34.6	2.61	TAS	m_e
UBR	151.68	PKPbc	00:36:46.969	34.6	2.61	TAS	a_e
WERD	148.59	PKPbc	00:36:39.814	34.6	2.61	TAS	m_e
WERN	148.69	PKPbc	00:36:40.119	34.6	2.61	TAS	a_e
WET	149.41	PKPbc	00:36:41.869	34.6	2.61	TAS	a_e
WLF	151.29	PKPbc	00:36:47.069	34.6	2.61	TAS	m_e

Event 60318004 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/18	00:31:29.80			-4.5900	153.0100				64.0			31		122.20	127.07	m i ke	GFZ
60318044																	

Magnitude Err Nsta Author OrigID  
 Ms 5.0 BGR 60318010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	126.02		PKPdf	00:50:24.277	-0.2	48.6		1.93		TAS					a_e
BFO	127.01		PKPdf	00:50:25.727		48.6		1.93		TAS					a_e
BRG	122.59		PKPdf	00:50:17.577	0.1	48.6		1.93		TAS					a_e
BSEG	122.20		PKPdf	00:50:16.877	-0.1	48.6		1.93		TAS					a_e

BUG	125.29	PKPdf	00:50:22.627	0.0	48.6	1.93	TAS	a_e											
CLL	122.77	PKPdf	00:50:17.627	-0.2	48.6	1.93	TAS	a_e											
CLZ	123.64	PKPdf	00:50:19.777	0.2	48.6	1.93	TAS	a_e											
FBE	122.85	PKPdf	00:50:18.327	0.3	48.6	1.93	TAS	a_e											
FLT1	122.91	PKPdf	00:50:17.927	-0.3	48.6	1.93	TAS	a_e											
FUR	125.67	PKPdf	00:50:23.477	-0.0	48.6	1.93	TAS	a_e											
GEC2	123.99	PKPdf	00:50:20.277	0.1	48.6	1.93	TAS	a_e											
GRA1	124.69	PKPdf	00:50:21.677	-0.5	48.6	1.93	TAS	a_e											
GRA1	124.69	L	01:52:17.810				T__		323.0	20.50	a_e	Ms						5.0	
GTTG	124.02	PKPdf	00:50:20.427	0.1	48.6	1.93	TAS	a_e											
GUNZ	123.71	PKPdf	00:50:19.877	0.0	48.6	1.93	TAS	a_e											
IBBN	124.45	PKPdf	00:50:21.177	0.1	48.6	1.93	TAS	m_e											
KAST	124.96	PKPdf	00:50:22.227	-0.3	48.6	1.93	TAS	a_e											
MANZ	124.06	PKPdf	00:50:20.477	0.0	48.6	1.93	TAS	a_e											
MOX	123.87	PKPdf	00:50:19.977	0.1	48.6	1.93	TAS	a_e											
MOX	123.87	L	01:44:29.190				T__		360.6	22.00	a_e	Ms						5.0	
NEUB	123.43	PKPdf	00:50:18.821	-0.1	48.6	1.93	TAS	m_e											
NRDL	123.30	PKPdf	00:50:19.127	0.1	48.6	1.93	TAS	a_e											
PLN	123.71	PKPdf	00:50:19.677	0.2	48.6	1.93	TAS	a_e											
RETH	123.45	PKPdf	00:50:19.277	0.1	48.6	1.93	TAS	a_e											
RJOB	125.15	PKPdf	00:50:21.977	0.1	48.6	1.93	TAS	a_e											
ROTZ	124.16	PKPdf	00:50:20.527	0.2	48.6	1.93	TAS	a_e											
STU	126.29	PKPdf	00:50:24.627	-0.3	48.6	1.93	TAS	a_e											
TANN	123.61	PKPdf	00:50:19.577	0.2	48.6	1.93	TAS	a_e											
TNS	125.64	PKPdf	00:50:23.527	0.0	48.6	1.93	TAS	a_e											
UBR	126.58	PKPdf	00:50:25.027	0.6	48.6	1.93	TAS	a_e											
WERN	123.73	PKPdf	00:50:19.927	-0.0	48.6	1.93	TAS	a_e											
WET	124.22	PKPdf	00:50:20.877	-0.1	48.6	1.93	TAS	a_e											
WLF	127.07	PKPdf	00:50:26.877		48.6	1.93	TAS	a_e											

Event 60318005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/18	09:38:16.50		52.2800	-175.9800				33.0						77.25	78.22	m i ke	BGR
60318011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60318011
Ms	4.4		BGR	60318011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.22		P	09:50:11.169		5.5		4.82		TAS		17.8	0.72	m_e	mb 5.3
GRA1	78.22		L	10:27:53.376						T__		185.7	18.90	a_e	Ms 4.4
MOX	77.25		L	10:26:11.696						T__		167.3	18.30	a_e	Ms 4.4

Event 60318013 Northwestern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/18	16:10:50.87			36.5680	73.5790				10.0			31		44.21	49.33	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60318019
Ms	4.9		BGR	60318019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	48.19		P	16:19:29.379		81.9		7.89		TAS		26.5	1.23	a_e	mb	5.2
BRG	44.21		P	16:18:57.979	-0.4	81.9		7.89		TAS		43.4	1.10	m_e	mb	5.1
BSEG	46.17		P	16:19:13.421	0.7	81.9		7.89		TAS		26.2	0.89	m_e	mb	5.3
BUG	48.31		P	16:19:30.279		81.9		7.89		TAS		135.9	1.92	a_e	mb	5.7
CLL	44.76		P	16:19:01.829	-0.8	81.9		7.89		TAS		31.3	1.05	a_e	mb	5.2
CLZ	46.34		P	16:19:13.979	0.3	81.9		7.89		TAS		44.0	1.40	a_e	mb	5.3
FBE	44.58		P	16:19:01.129	-0.1	81.9		7.89		TAS		55.7	1.07	a_e	mb	5.4
FLT1	45.76		P	16:19:09.379	0.8	81.9		7.89		TAS		66.8	1.10	a_e	mb	5.6
FUR	46.28		P	16:19:15.329	0.0	81.9		7.89		TAS		61.2	1.04	a_e	mb	5.6
GEC2	44.58		P	16:19:01.629	0.3	81.9		7.89		TAS		35.0	1.33	a_e	mb	5.1
GRA1	46.08		P	16:19:13.979	0.8	81.9		7.89		TAS		74.7	1.21	a_e	mb	5.6
GRA1	46.08		L	16:38:15.209						T__		1654.1	20.40	a_e	Ms	5.0
GTTG	46.63		P	16:19:17.229	0.3	81.9		7.89		TAS		89.2	1.13	a_e	mb	5.8
GUNZ	45.28		P	16:19:06.779	-0.1	81.9		7.89		TAS		24.9	1.24	a_e	mb	5.0
IBBN	47.88		P	16:19:26.779	0.1	81.9		7.89		TAS		65.2	1.18	a_e	mb	5.6
MANZ	45.47		P	16:19:08.529	-0.5	81.9		7.89		TAS		6.9	1.35	a_e	mb	4.4
MOX	45.71		P	16:19:10.029	-0.8	81.9		7.89		TAS		30.2	1.20	a_e	mb	5.2
MOX	45.71		L	16:37:26.074						T__		1414.2	21.80	a_e	Ms	4.9
NEUB	45.54		P	16:19:08.279	-0.1	81.9		7.89		TAS		40.6	1.02	a_e	mb	5.4
NRDL	46.43		P	16:19:15.679	-0.2	81.9		7.89		TAS		69.5	1.19	a_e	mb	5.6
PLN	45.38		P	16:19:07.379	-0.2	81.9		7.89		TAS		19.7	1.23	a_e	mb	4.9
RETH	46.86		P	16:19:18.836	0.1	81.9		7.89		TAS		24.0	1.15	m_e	mb	5.2
RGN	44.37		P	16:18:59.033	0.9	81.9		7.89		TAS		78.7	0.91	m_e	mb	5.4
ROTZ	45.44		P	16:19:08.429	0.2	81.9		7.89		TAS		11.0	1.46	a_e	mb	4.6
STU	47.54		P	16:19:24.779	-0.0	81.9		7.89		TAS				a_e		
TANN	45.20		P	16:19:06.029	-0.1	81.9		7.89		TAS		51.5	1.66	a_e	mb	5.2
TNS	47.77		P	16:19:26.279	-0.2	81.9		7.89		TAS		28.7	1.45	a_e	mb	5.2
UBBA	46.70		P	16:19:17.729	0.3	81.9		7.89		TAS		52.1	1.62	a_e	mb	5.4
UBR	47.14		P	16:19:21.579	-0.2	81.9		7.89		TAS		88.1	1.40	a_e	mb	5.7
WERD	45.29		P	16:19:06.629	-0.3	81.9		7.89		TAS		29.3	1.30	a_e	mb	5.1
WERN	45.27		P	16:19:06.547	-0.2	81.9		7.89		TAS		37.5	1.73	m_e	mb	5.0
WET	45.08		P	16:19:05.379	0.1	81.9		7.89		TAS		39.9	1.54	a_e	mb	5.1
WLF	49.33		P	16:19:38.829		81.9		7.89		TAS		59.5	1.18	a_e	mb	5.5

Event 60318014 Vancouver Island, Canada, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/18	22:46:56.70			49.6600	-129.8800				10.0			21		71.47	75.75	m i ke	NEIC
OrigID 60318081																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	60318020
Ms	4.9		BGR	60318020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.61		P	22:58:33.398	-0.1	337.3		5.81		TAS		31.3	1.43	m_e	mb	5.1
ASSE	73.20		P	22:58:28.981	1.5	337.3		5.81		TAS		28.1	1.53	a_e	mb	5.2
BRG	75.19		P	22:58:40.531		337.3		5.81		TAS		35.4	1.69	a_e	mb	5.1
BSEG	71.47		P	22:58:18.881	0.3	337.3		5.81		TAS		27.8	1.27	a_e	mb	5.2
BUG	72.87		P	22:58:26.681	-0.3	337.3		5.81		TAS				a_e		
CLL	74.55		P	22:58:36.581	0.0	337.3		5.81		TAS		19.9	1.49	m_e	mb	4.9
CLZ	73.38		P	22:58:29.731	-0.1	337.3		5.81		TAS		37.4	1.51	a_e	mb	5.3
FBE	74.99		P	22:58:39.581	-0.5	337.3		5.81		TAS		39.0	1.65	a_e	mb	5.2
FLT1	73.16		P	22:58:28.231	-0.3	337.3		5.81		TAS		31.5	1.54	a_e	mb	5.2
GRA1	75.55		L	23:30:32.387						T__		771.5	20.90	a_e	Ms	5.0
GUNZ	75.24		P	22:58:40.781		337.3		5.81		TAS		17.7	1.69	a_e	mb	4.8
KAST	73.41		P	22:58:30.231	-0.2	337.3		5.81		TAS		27.5	1.62	a_e	mb	5.1
MOX	74.79		P	22:58:38.031	0.1	337.3		5.81		TAS		12.0	1.37	a_e	mb	4.7
MOX	74.79		L	23:30:08.365						T__		559.8	21.50	a_e	Ms	4.8
NEUB	74.33		P	22:58:35.381	-0.0	337.3		5.81		TAS		43.1	1.53	a_e	mb	5.3
NRDL	72.72		P	22:58:26.281	0.1	337.3		5.81		TAS		33.6	1.37	a_e	mb	5.3
RETH	72.30		P	22:58:24.081	-0.4	337.3		5.81		TAS		49.2	1.38	a_e	mb	5.5
ROTZ	75.75		P	22:58:43.321		337.3		5.81		TAS		2.8	1.43	m_e	mb	4.2
TANN	75.23		P	22:58:40.631		337.3		5.81		TAS		17.8	1.68	a_e	mb	4.8
TNS	74.29		P	22:58:35.481	0.4	337.3		5.81		TAS		24.0	1.41	a_e	mb	5.0
UBBA	74.20		P	22:58:34.731	0.5	337.3		5.81		TAS		43.6	1.87	a_e	mb	5.2
WERN	75.32		P	22:58:41.281		337.3		5.81		TAS		21.8	1.65	a_e	mb	4.9
WLF	74.11		P	22:58:34.883	-0.2	337.3		5.81		TAS		30.3	1.67	m_e	mb	5.1

Event 60319001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	01:22:20.75			51.7200	-175.9100				33.0			29		74.59	80.85	m i ke	BGR
OrigID 60319007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60319007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	78.09	P	01:34:16.850		4.5	5.57	TAS	28.9	0.91	m_e	mb	5.4
ASSE	76.38	P	01:34:07.305	-0.3	4.5	5.57	TAS	15.3	0.98	m_e	mb	5.1
BFO	80.26	P	01:34:28.400		4.5	5.57	TAS	24.0	0.99	m_e	mb	5.1
BRG	77.44	P	01:34:12.937	0.1	4.5	5.57	TAS	25.6	0.85	m_e	mb	5.4
BSEG	74.59	P	01:33:57.283	-0.2	4.5	5.57	TAS	41.8	0.88	m_e	mb	5.5
CLL	77.07	P	01:34:10.837	0.1	4.5	5.57	TAS	24.8	0.84	m_e	mb	5.4
CLZ	76.68	P	01:34:08.451	-0.1	4.5	5.57	TAS	44.2	0.89	m_e	mb	5.6
FBE	77.43	P	01:34:13.128	-0.3	4.5	5.57	TAS	37.2	0.97	m_e	mb	5.5
FLT1	76.15	P	01:34:05.587	-0.1	4.5	5.57	TAS	30.1	0.92	m_e	mb	5.4
GRA1	78.78	P	01:34:20.955	0.2	4.5	5.57	TAS	51.3	0.89	m_e	mb	5.6
GUNZ	78.05	P	01:34:16.755	0.2	4.5	5.57	TAS	15.2	0.91	m_e	mb	5.1
IBBN	76.30	P	01:34:06.923	-0.1	4.5	5.57	TAS	58.8	1.00	m_e	mb	5.7
KAST	77.39	P	01:34:12.841	-0.4	4.5	5.57	TAS	16.1	1.03	m_e	mb	5.1
MANZ	78.44	P	01:34:18.568	0.2	4.5	5.57	TAS	3.3	0.92	m_e	mb	4.5
MOX	77.81	P	01:34:14.941	0.1	4.5	5.57	TAS	24.8	0.93	m_e	mb	5.3
NEUB	77.26	P	01:34:11.982	0.1	4.5	5.57	TAS	60.4	0.95	m_e	mb	5.7
NRDL	76.04	P	01:34:05.014	0.3	4.5	5.57	TAS	18.4	0.89	m_e	mb	5.2
PLN	77.94	P	01:34:16.087	0.4	4.5	5.57	TAS	14.8	0.94	m_e	mb	5.1
RETH	75.82	P	01:34:03.965	-0.4	4.5	5.57	TAS	21.7	0.91	m_e	mb	5.3
ROTZ	78.66	P	01:34:20.096	0.2	4.5	5.57	TAS	3.8	0.95	m_e	mb	4.5
RUE	75.86	P	01:34:04.346	-0.2	4.5	5.57	TAS	27.4	0.69	m_e	mb	5.5
STU	79.79	P	01:34:26.109		4.5	5.57	TAS	62.6	0.94	m_e	mb	5.5
TANN	77.99	P	01:34:16.469	0.1	4.5	5.57	TAS	12.7	1.11	m_e	mb	5.0
TNS	78.37	P	01:34:18.473	0.2	4.5	5.57	TAS	34.1	0.86	m_e	mb	5.5
UBR	80.85	P	01:34:31.645		4.5	5.57	TAS	14.5	1.25	m_e	mb	4.9
WERD	77.97	P	01:34:16.182	0.2	4.5	5.57	TAS	16.2	0.98	m_e	mb	5.1
WERN	78.13	P	01:34:17.328	-0.1	4.5	5.57	TAS	34.1	0.89	m_e	mb	5.5
WET	79.24	P	01:34:23.246	0.3	4.5	5.57	TAS	9.3	1.06	m_e	mb	4.7
WLF	78.98	P	01:34:21.814		4.5	5.57	TAS	18.8	0.89	m_e	mb	5.1

Event 60319002 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	01:35:15.94			51.8500	-174.8900				33.0			36		73.75	80.76	m i ke	BGR
60319008																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	60319008
MBB	6.5		BGR	60319008
Ms	5.8		BGR	60319008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.97		P	01:47:11.455	0.2	4.1		5.59		TAS		270.1	1.09	a_e	MBB 6.7
ASSE	76.29		P	01:47:01.855	0.0	4.1		5.59		TAS		246.5	1.36	a_e	MBB 6.5
BFO	80.16		P	01:47:23.155	-0.3	4.1		5.59		TAS		254.9	1.24	a_e	MBB 6.3
BRG	77.38		P	01:47:07.705	-0.2	4.1		5.59		TAS		275.9	1.18	a_e	MBB 6.5

BSEG	74.50	P	01:46:51.755	-0.1	4.1	5.59	TAS	308.6	1.07	a_e	MBB	6.6
BUG	77.07	P	01:47:05.905	-0.3	4.1	5.59	TAS	251.8	1.32	a_e	MBB	6.5
CLL	77.00	P	01:47:05.405	-0.4	4.1	5.59	TAS	238.5	1.28	a_e	MBB	6.6
CLZ	76.59	P	01:47:03.055	-0.5	4.1	5.59	TAS	412.5	1.16	a_e	MBB	6.7
FBE	77.37	P	01:47:08.055	0.2	4.1	5.59	TAS	423.7	1.21	a_e	MBB	6.7
FLT1	76.07	P	01:47:00.055	-0.5	4.1	5.59	TAS	188.5	0.97	a_e	MBB	6.6
FUR	80.23	P	01:47:23.655	-0.2	4.1	5.59	TAS	342.9	1.43	a_e	MBB	6.5
GEC2	79.42	P	01:47:19.205	-0.0	4.1	5.59	TAS	194.1	1.36	a_e	MBB	6.3
GRA1	78.70	P	01:47:15.755	0.4	4.1	5.59	TAS	548.3	1.23	a_e	MBB	6.7
GRA1	78.70	L	02:28:39.258				T__	4086.8	18.10	a_e	Ms	5.8
GTTG	76.90	P	01:47:05.555	0.3	4.1	5.59	TAS	452.7	1.19	a_e	MBB	6.7
GUNZ	77.98	P	01:47:11.455	0.2	4.1	5.59	TAS	229.0	1.26	a_e	MBB	6.4
IBBN	76.19	P	01:47:01.405	0.1	4.1	5.59	TAS	361.2	0.93	a_e	MBB	6.8
KAST	77.29	P	01:47:07.505	0.1	4.1	5.59	TAS	224.6	1.37	a_e	MBB	6.5
MANZ	78.37	P	01:47:13.405	-0.0	4.1	5.59	TAS	44.5	1.37	m_e	MBB	5.8
MOX	77.73	P	01:47:09.955	0.1	4.1	5.59	TAS	237.7	1.14	a_e	MBB	6.6
MOX	77.73	L	02:32:16.262				T__	4291.5	18.00	a_e	Ms	5.8
NEUB	77.18	P	01:47:06.805	0.0	4.1	5.59	TAS	612.3	1.17	a_e	MBB	6.8
NRDL	75.95	P	01:46:59.805	-0.1	4.1	5.59	TAS	181.4	1.09	a_e	MBB	6.5
PLN	77.87	P	01:47:10.605	-0.0	4.1	5.59	TAS	180.9	1.34	a_e	MBB	6.5
RETH	75.72	P	01:46:58.705	0.0	4.1	5.59	TAS	273.2	1.16	a_e	MBB	6.6
RGN	73.75	P	01:46:47.605	-0.0	4.1	5.59	TAS	602.0	1.17	a_e	MBB	6.7
RJOB	80.57	P	01:47:25.505	-0.2	4.1	5.59	TAS	99.4	1.25	a_e	MBB	6.2
ROTZ	78.58	P	01:47:14.805	0.2	4.1	5.59	TAS	55.5	1.32	a_e	MBB	5.8
RUE	75.79	P	01:46:59.005	0.0	4.1	5.59	TAS	409.4	1.18	a_e	MBB	6.7
STU	79.70	P	01:47:20.605	-0.3	4.1	5.59	TAS	664.0	1.20	a_e	MBB	6.7
TANN	77.92	P	01:47:11.155	0.2	4.1	5.59	TAS	249.9	1.41	a_e	MBB	6.5
TNS	78.27	P	01:47:12.905	0.0	4.1	5.59	TAS	246.0	1.09	a_e	MBB	6.6
UBBA	77.62	P	01:47:09.255	-0.0	4.1	5.59	TAS	338.0	1.60	a_e	MBB	6.5
UBR	80.76	P	01:47:26.605	-0.2	4.1	5.59	TAS	259.2	1.37	a_e	mb	6.1
WERD	77.90	P	01:47:10.905	0.1	4.1	5.59	TAS	196.4	1.25	a_e	MBB	6.4
WERN	78.05	P	01:47:11.955	0.3	4.1	5.59	TAS	353.4	1.17	a_e	MBB	6.5
WET	79.17	P	01:47:18.105	0.2	4.1	5.59	TAS	206.5	1.48	a_e	MBB	6.4
WLF	78.86	P	01:47:16.455	0.3	4.1	5.59	TAS	255.1	1.30	a_e	MBB	6.5

Event 60319003 South of Aleutian Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	02:06:49.22			49.8500	-169.0840				33.0					80.84	80.84	m i ke	BGR
60319009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	60319009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.84		P	02:18:58.153		2.0		4.73		TAS		14.9	0.87	m_e mb	5.0

Event 60319005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	04:41:17.50			51.0900	-174.2600				10.0					79.49	79.49	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	60319011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.49		P	04:53:23.863		3.5		4.69		TAS		17.1	0.77	m_e mb	5.1

Event 60319006 Off coast of central America

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	10:24:44.30			11.8400	-88.8200				27.4					84.27	89.27	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60319012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.68		P	10:37:17.787		285.2		5.02		TAS		35.8	1.23	m_e mb	5.5
ASSE	86.50		P	10:37:24.913		285.2		5.02		TAS		17.0	1.28	m_e mb	5.0
BFO	85.96		P	10:37:23.539		285.2		5.02		TAS		23.2	1.26	m_e mb	5.2
BRG	88.81		P	10:37:38.165		285.2		5.02		TAS		18.1	1.37	m_e mb	5.1
CLL	88.12		P	10:37:34.562		285.2		5.02		TAS		11.5	1.06	m_e mb	5.1
CLL	88.12		pP	10:37:42.580						T__				m_e	
CLZ	86.40		P	10:37:25.843		285.2		5.02		TAS		12.6	1.03	m_e mb	5.0
FBE	88.44		P	10:37:36.612		285.2		5.02		TAS		25.2	1.22	m_e mb	5.4
FLT1	86.79		P	10:37:28.057		285.2		5.02		TAS		21.7	1.20	m_e mb	5.2
GEC2	89.27		P	10:37:40.344		285.2		5.02		TAS		15.7	1.23	m_e mb	5.1
GRA1	87.47		P	10:37:32.002		285.2		5.02		TAS		24.6	1.14	m_e mb	5.2
GRA1	87.47		pP	10:37:40.066						T__		43.9	0.90	m_e	
GTTG	86.22		P	10:37:25.684		285.2		5.02		TAS		23.5	1.25	m_e mb	5.2
GTTG	86.22		pP	10:37:33.569						T__				m_e	
MOX	87.46		P	10:37:31.901		285.2		5.02		TAS		26.7	1.44	m_e mb	5.2
RJOB	89.01		P	10:37:39.158		285.2		5.02		TAS		14.0	1.10	m_e mb	5.1
ROTZ	88.06		P	10:37:34.790		285.2		5.02		TAS		5.2	1.29	m_e mb	4.7
TANN	88.04		P	10:37:34.622		285.2		5.02		TAS		24.9	1.14	m_e mb	5.4
TNS	85.60		P	10:37:22.517		285.2		5.02		TAS		10.5	0.81	m_e mb	5.0
UBR	87.27		P	10:37:30.714		285.2		5.02		TAS		24.9	1.05	m_e mb	5.3



WERN	88.03	P	10:37:34.509	285.2	5.02	TAS	36.6	1.23	m_e	mb	5.6
WET	88.66	P	10:37:37.722	285.2	5.02	TAS	50.3	1.36	m_e	mb	5.6
WLF	84.27	P	10:37:15.833	285.2	5.02	TAS	16.5	0.92	m_e	mb	5.3

Event 60319008 Leeward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	11:26:29.26			16.9340	-60.4290				28.8	0.8		16		62.15	67.21	m i ke	BGR
OrigID 60319014																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	60319014
Ms	5.7		BGR	60319014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	62.83		P	11:36:52.250	0.3	267.4		6.48		TAS		377.3	1.36	m_e	mb	6.4
ASSE	65.23		P	11:37:07.662	-0.0	267.4		6.48		TAS		168.8	1.28	m_e	mb	6.1
ASSE	65.23		pP	11:37:15.680						T__				m_e		
BFO	63.45		P	11:36:55.483	0.2	267.4		6.48		TAS				m_e		
BRG	67.21		P	11:37:20.217		267.4		6.48		TAS		130.9	1.42	m_e	mb	6.0
BRG	67.21		pP	11:37:28.182						T__				m_e		
BSEG	65.16		P	11:37:06.610	0.3	267.4		6.48		TAS		199.7	1.41	m_e	mb	6.2
BUG	63.06		P	11:36:53.077	-0.2	267.4		6.48		TAS		177.6	1.42	m_e	mb	6.1
CLL	66.63		P	11:37:16.308		267.4		6.48		TAS		182.2	1.39	m_e	mb	6.1
CLZ	65.02		P	11:37:05.332	-0.2	267.4		6.48		TAS		185.7	1.27	m_e	mb	6.2
FLT1	65.59		P	11:37:09.391	0.1	267.4		6.48		TAS		234.5	1.50	m_e	mb	6.2
GEC2	67.03		P	11:37:19.014		267.4		6.48		TAS		127.5	1.45	m_e	mb	5.9
GEC2	67.03		pP	11:37:27.338						T__				m_e		
GRA1	65.43		L	11:59:29.919						T__		4767.1	21.80	a_e	Ms	5.7
GTTG	64.74		P	11:37:04.279	0.3	267.4		6.48		TAS		115.3	1.30	m_e	mb	5.9
GUNZ	66.17		P	11:37:13.602		267.4		6.48		TAS		70.4	1.52	m_e	mb	5.7
KAST	63.75		P	11:36:57.588	0.4	267.4		6.48		TAS		135.9	1.30	m_e	mb	5.9
MANZ	66.01		pP	11:37:20.310						T__				m_e		
MOX	65.73		P	11:37:10.444	0.1	267.4		6.48		TAS		71.7	1.68	m_e	mb	5.6
MOX	65.73		L	12:00:54.356						T__		5643.9	20.30	a_e	Ms	5.8
NEUB	65.85		pP	11:37:19.605						T__				m_e		
NRDL	64.91		P	11:37:05.557	-0.2	267.4		6.48		TAS		194.3	1.42	m_e	mb	6.1
RETH	64.48		P	11:37:02.700	0.4	267.4		6.48		TAS		226.5	1.41	m_e	mb	6.2
ROTZ	66.07		P	11:37:13.226		267.4		6.48		TAS		31.8	1.48	m_e	mb	5.3
TANN	66.26		P	11:37:14.278		267.4		6.48		TAS		107.4	1.36	m_e	mb	5.9
TNS	63.68		P	11:36:57.588	-0.2	267.4		6.48		TAS		190.4	1.25	m_e	mb	6.1
UBR	64.60		P	11:37:03.678	-0.7	267.4		6.48		TAS		43.1	1.08	m_e	mb	5.6
WERD	66.16		P	11:37:13.451		267.4		6.48		TAS		93.2	1.30	m_e	mb	5.9
WERN	66.20		P	11:37:13.752		267.4		6.48		TAS		149.0	1.74	m_e	mb	5.9
WET	66.49		P	11:37:15.782		267.4		6.48		TAS		149.1	1.41	m_e	mb	6.0
WLF	62.15		P	11:36:47.439	-0.1	267.4		6.48		TAS		182.1	1.34	m_e	mb	6.1

Event 60319010 Sweden

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/19	21:55:30.50			65.1300	22.2400				10.0					12.72	18.16	m i ke	GFZ

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	12.72		Pn	21:58:28.129						T__					m_e
CLZ	14.66		Pn	21:58:52.138						T__					m_e
GEC2	16.95		Pn	21:59:27.879						T__					m_e
GUNZ	15.69		Pn	21:59:11.790						T__					m_e
MANZ	16.09		Pn	21:59:15.315						T__					m_e
PLN	15.60		Pn	21:59:08.590						T__					m_e
RETH	14.05		Pn	21:58:45.427						T__					m_e
RJOB	18.16		Pn	21:59:43.351						T__					m_e
WERN	15.75		Pn	21:59:11.763						T__					m_e
WET	16.78		Pn	21:59:25.814						T__					m_e

Event 60320002 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/20	01:24:58.60			51.5700	-174.3100				10.0					78.04	79.01	m i ke	NEIC

Magnitude Err Nsta Author OrigID

mb	5.0		BGR	60320008
Ms	4.2		BGR	60320008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.01		P	01:37:02.354		3.5		4.78		TAS		12.7	0.78	m_e	mb 5.0
GRA1	79.01		L	02:29:45.845						T__		115.9	18.00	a_e	Ms 4.3
MOX	78.04		L	02:28:11.807						T__		119.4	20.10	a_e	Ms 4.2

Event 60320003 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/20	16:54:13.60			29.9400	93.2500				10.0					62.40	62.89	m i ke	GFZ

60320043

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	60320009
Ms	3.6		BGR	60320009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	62.89		P	17:04:39.001		75.0		5.88		TAS		10.6	1.14	m_e	mb 4.9
GRA1	62.89		L	17:35:03.024						T__		36.3	20.30	a_e	Ms 3.5
MOX	62.40		L	17:36:21.888						T__		43.5	20.30	a_e	Ms 3.6

Event 60320004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/20	18:15:36.14			-21.2770	171.1300				33.0			23		145.32	149.68	m i ke	BGR
OrigID 60320010																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.21		PKPbc	18:35:22.482	-0.5	36.5		2.86		TAS				m_e	
BFO	149.68		PKPbc	18:35:25.756	0.4	36.5		2.86		TAS				m_e	
BRG	145.47		PKPbc	18:35:13.953	-0.2	36.5		2.86		TAS				m_e	
CLL	145.50		PKPbc	18:35:13.867	-0.4	36.5		2.86		TAS				m_e	
CLZ	146.02		PKPbc	18:35:15.418	-0.3	36.5		2.86		TAS				m_e	
FBE	145.67		PKPbc	18:35:14.815	0.1	36.5		2.86		TAS				m_e	
FLT1	145.32		PKPbc	18:35:13.178	-0.7	36.5		2.86		TAS				m_e	
GEC2	147.12		PKPbc	18:35:19.036	0.0	36.5		2.86		TAS				m_e	
GTTG	146.41		PKPbc	18:35:17.313	-0.1	36.5		2.86		TAS				m_e	
GUNZ	146.51		PKPbc	18:35:17.571	0.4	36.5		2.86		TAS				m_e	
IBBN	146.46		PKPbc	18:35:17.313	0.3	36.5		2.86		TAS				m_e	
KAST	147.21		PKPbc	18:35:19.639	0.3	36.5		2.86		TAS				m_e	
MANZ	146.90		PKPbc	18:35:18.691	0.1	36.5		2.86		TAS				m_e	
NEUB	146.06		PKPbc	18:35:15.848	-0.0	36.5		2.86		TAS				m_e	
PLN	146.48		PKPbc	18:35:17.399	0.3	36.5		2.86		TAS				m_e	
RETH	145.59		PKPbc	18:35:14.470	0.3	36.5		2.86		TAS				m_e	
ROTZ	147.03		PKPbc	18:35:18.777	-0.4	36.5		2.86		TAS				m_e	
STU	149.00		PKPbc	18:35:24.205	0.2	36.5		2.86		TAS				m_e	
TANN	146.42		PKPbc	18:35:17.054	0.2	36.5		2.86		TAS				m_e	
TNS	148.04		PKPbc	18:35:21.965	-0.8	36.5		2.86		TAS				m_e	
UBR	149.53		PKPbc	18:35:25.066	-0.1	36.5		2.86		TAS				m_e	
WERN	146.55		PKPbc	18:35:17.830	0.6	36.5		2.86		TAS				m_e	
WLF	149.26		PKPbc	18:35:25.756		36.5		2.86		TAS				m_e	

Event 60320006 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
2016/03/20	22:50:32.77			55.7960	162.1740				33.0					67.10	74.27	m i ke	BGR
OrigID 60320012																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	60320012
MBB	7.0		BGR	60320012
Ms	6.3		BGR	60320012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	72.03		P	23:01:51.362		16.7		6.01		TAS		680.2	1.68	a_e	MBB	6.9
ASSE	69.89		P	23:01:38.562		16.7		6.01		TAS		505.5	1.39	a_e	MBB	7.0
BFO	73.96		P	23:02:02.362		16.7		6.01		TAS		356.7	1.14	a_e	MBB	6.8
BRG	70.47		P	23:01:41.712		16.7		6.01		TAS		429.6	1.13	a_e	MBB	6.9
BSEG	68.22		P	23:01:28.462		16.7		6.01		TAS		396.5	1.12	a_e	MBB	7.2
CLL	70.24		P	23:01:40.212		16.7		6.01		TAS		832.2	1.10	a_e	MBB	7.1
CLZ	70.22		P	23:01:40.012		16.7		6.01		TAS		735.4	1.13	a_e	MBB	7.1
FBE	70.54		P	23:01:42.512		16.7		6.01		TAS		769.2	1.09	a_e	MBB	6.9
FLT1	69.59		P	23:01:36.112		16.7		6.01		TAS		353.4	1.10	a_e	MBB	7.0
FUR	73.58		P	23:02:00.512		16.7		6.01		TAS		684.7	1.13	m_e	MBB	6.9
GEC2	72.45		P	23:01:53.862		16.7		6.01		TAS		285.5	1.10	a_e	MBB	6.9
GRA1	72.13		P	23:01:52.312		16.7		6.01		TAS		1024.7	2.22	a_e	MBB	7.2
GRA1	72.13		L	23:37:36.761						T__		16772.6	21.40	a_e	Ms	6.3
GTTG	70.57		P	23:01:42.812		16.7		6.01		TAS		351.0	1.23	a_e	MBB	6.9
GUNZ	71.27		P	23:01:47.012		16.7		6.01		TAS		568.2	1.27	a_e	MBB	6.8
IBBN	70.21		P	23:01:40.412		16.7		6.01		TAS		1049.1	1.57	a_e	MBB	7.1
KAST	71.17		P	23:01:46.312		16.7		6.01		TAS		353.2	1.25	a_e	MBB	6.9
MANZ	71.68		P	23:01:49.212		16.7		6.01		TAS		108.3	1.10	a_e	MBB	6.3
MOX	71.14		P	23:01:46.012		16.7		6.01		TAS		466.3	1.14	a_e	MBB	7.0
MOX	71.14		L	23:36:57.395						T__		17885.0	21.40	a_e	Ms	6.3
NEUB	70.58		P	23:01:42.462		16.7		6.01		TAS		449.9	1.20	a_e	MBB	7.0
NRDL	69.64		P	23:01:36.862		16.7		6.01		TAS		343.1	1.30	a_e	MBB	7.0
PLN	71.19		P	23:01:46.362		16.7		6.01		TAS		415.7	1.11	a_e	MBB	7.0
RETH	69.53		P	23:01:36.362		16.7		6.01		TAS		342.4	1.10	a_e	MBB	7.0
RGN	67.10		P	23:01:21.612		16.7		6.01		TAS		1156.5	1.06	a_e	MBB	7.4
RJOB	73.69		P	23:02:01.362		16.7		6.01		TAS		484.1	1.10	a_e	MBB	6.9
ROTZ	71.87		P	23:01:50.562		16.7		6.01		TAS		154.2	1.27	a_e	MBB	6.4
RUE	68.98		P	23:01:32.912		16.7		6.01		TAS		836.3	1.11	a_e	MBB	7.3
STU	73.38		P	23:01:59.062		16.7		6.01		TAS		801.4	1.11	a_e	MBB	7.3
TANN	71.20		P	23:01:46.512		16.7		6.01		TAS		436.5	1.17	a_e	MBB	7.0
TNS	72.11		P	23:01:51.762		16.7		6.01		TAS		492.2	1.40	a_e	MBB	6.9
UBBA	71.27		P	23:01:46.712		16.7		6.01		TAS		619.0	1.37	a_e	MBB	7.0
UBR	74.27		P	23:02:04.512		16.7		6.01		TAS		573.1	1.17	a_e	MBB	6.9
WERD	71.20		P	23:01:46.462		16.7		6.01		TAS		625.6	1.17	a_e	MBB	7.0
WERN	71.34		P	23:01:47.362		16.7		6.01		TAS		660.3	1.20	a_e	MBB	6.9
WET	72.33		P	23:01:53.512		16.7		6.01		TAS		637.6	1.27	a_e	MBB	7.1

WLF 73.02 P 23:01:57.312 16.7 6.01 TAS 511.4 1.33 a\_e MBB 6.9

Event 60321001 Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2016/03/21 00:11:42.00 43.8000 147.1700 47.7 79.25 79.25 m i ke GFZ
60321041

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 60321007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 79.25 P 00:23:39.625 30.8 4.69 TAS 18.1 1.03 m\_e mb 5.0
GRA1 79.25 pP 00:23:53.366 T\_\_ m\_e

Event 60321006 Pakistan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2016/03/21 14:48:47.32 26.4880 65.6250 10.0 27 45.72 50.73 m i ke BGR
60321012

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 60321012
Ms 5.2 BGR 60321012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
AHRW 50.21 P 14:57:43.206 98.5 7.79 TAS 40.5 1.19 m\_e mb 5.2
BFO 49.19 P 14:57:33.984 98.5 7.79 TAS 16.9 1.33 m\_e mb 4.9
BRG 45.95 P 14:57:09.777 0.1 98.5 7.79 TAS 106.9 1.73 m\_e mb 5.6
BSEG 48.75 P 14:57:30.782 0.2 98.5 7.79 TAS 41.1 1.09 m\_e mb 5.4
CLL 46.62 P 14:57:14.516 0.1 98.5 7.79 TAS 29.0 1.31 m\_e mb 5.2
CLZ 48.33 P 14:57:27.068 -0.9 98.5 7.79 TAS 52.6 1.28 m\_e mb 5.5
FBE 46.33 P 14:57:12.979 0.4 98.5 7.79 TAS 108.6 1.59 m\_e mb 5.6
FLT1 47.89 P 14:57:23.738 0.1 98.5 7.79 TAS 34.4 0.67 m\_e mb 5.6
GEC2 45.72 P 14:57:07.600 -0.3 98.5 7.79 TAS 63.0 1.50 m\_e mb 5.4
GRA1 47.46 P 14:57:21.689 0.3 98.5 7.79 TAS 101.6 1.68 m\_e mb 5.7
GRA1 47.46 L 15:22:09.697 T\_\_ 3927.2 18.20 a\_e Ms 5.4
GTTG 48.53 P 14:57:30.014 -0.1 98.5 7.79 TAS 42.0 0.90 m\_e mb 5.5
GUNZ 46.86 P 14:57:16.822 0.3 98.5 7.79 TAS 26.6 1.59 m\_e mb 5.1
KAST 49.45 P 14:57:36.802 98.5 7.79 TAS 24.3 1.42 m\_e mb 5.0
MANZ 46.94 P 14:57:17.718 0.2 98.5 7.79 TAS 7.2 1.13 m\_e mb 4.7
MOX 47.36 P 14:57:20.893 0.2 98.5 7.79 TAS 91.3 1.62 m\_e mb 5.7
MOX 47.36 L 15:22:50.711 T\_\_ 1845.1 21.80 a\_e Ms 5.0

NRDL	48.60	P	14:57:30.142	0.3	98.5	7.79	TAS	43.2	1.28	m_e	mb	5.3
PLN	46.99	P	14:57:17.846	0.2	98.5	7.79	TAS	27.6	1.40	m_e	mb	5.2
RETH	49.09	P	14:57:33.472		98.5	7.79	TAS	29.8	1.24	m_e	mb	5.2
RJOB	46.15	P	14:57:11.314	0.2	98.5	7.79	TAS	31.2	1.24	m_e	mb	5.2
ROTZ	46.84	P	14:57:16.822	0.0	98.5	7.79	TAS	14.4	1.78	m_e	mb	4.8
TANN	46.79	P	14:57:16.181	0.1	98.5	7.79	TAS			m_e		
TNS	49.31	P	14:57:36.546		98.5	7.79	TAS	60.0	1.49	m_e	mb	5.4
UBBA	48.40	P	14:57:28.989	0.7	98.5	7.79	TAS	78.2	2.01	m_e	mb	5.5
UBR	47.94	P	14:57:24.763	0.2	98.5	7.79	TAS	29.6	0.98	m_e	mb	5.4
WERD	46.89	P	14:57:17.078	0.0	98.5	7.79	TAS	26.9	1.46	m_e	mb	5.2
WERN	46.82	P	14:57:16.565	0.0	98.5	7.79	TAS	30.2	1.28	m_e	mb	5.3
WLF	50.73	P	14:57:47.177		98.5	7.79	TAS	31.2	1.06	m_e	mb	5.2

Event 60321009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/21	16:48:12.55			-21.8950	171.4320				33.0			24		145.99	150.36	m i ke	BGR
	60321015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.36		PKPbc	17:07:59.624	-0.6	36.5		2.77		TAS					m_e
BRG	146.14		PKPbc	17:07:48.230	-0.3	36.5		2.77		TAS					m_e
CLL	146.18		PKPbc	17:07:48.165	-0.4	36.5		2.77		TAS					m_e
CLZ	146.70		PKPbc	17:07:49.532	-0.6	36.5		2.77		TAS					m_e
FBE	146.34		PKPbc	17:07:49.012	-0.0	36.5		2.77		TAS					m_e
FLT1	145.99		PKPbc	17:07:47.384	-0.8	36.5		2.77		TAS					m_e
GEC2	147.79		PKPbc	17:07:53.243	0.1	36.5		2.77		TAS					m_e
GRA1	148.15		PKPbc	17:07:54.546	0.5	36.5		2.77		TAS					m_e
GTTG	147.08		PKPbc	17:07:51.486	0.3	36.5		2.77		TAS					m_e
GUNZ	147.18		PKPbc	17:07:51.681	0.3	36.5		2.77		TAS					m_e
IBBN	147.13		PKPbc	17:07:51.486	-0.1	36.5		2.77		TAS					m_e
MANZ	147.57		PKPbc	17:07:52.788	0.3	36.5		2.77		TAS					m_e
MOX	147.23		PKPbc	17:07:51.486	-0.0	36.5		2.77		TAS					m_e
PLN	147.15		PKPbc	17:07:51.616	0.3	36.5		2.77		TAS					m_e
RJOB	149.02		PKPbc	17:07:56.043	-0.6	36.5		2.77		TAS					m_e
ROTZ	147.71		PKPbc	17:07:53.048	0.2	36.5		2.77		TAS					m_e
TANN	147.09		PKPbc	17:07:51.160	0.0	36.5		2.77		TAS					m_e
TNS	148.72		PKPbc	17:07:55.978	0.2	36.5		2.77		TAS					m_e
UBBA	147.68		PKPbc	17:07:53.048	0.2	36.5		2.77		TAS					m_e
UBR	150.21		PKPbc	17:07:59.298	-0.5	36.5		2.77		TAS					m_e
WERD	147.13		PKPbc	17:07:51.551	0.3	36.5		2.77		TAS					m_e
WERN	147.23		PKPbc	17:07:51.811	0.3	36.5		2.77		TAS					m_e
WET	147.91		PKPbc	17:07:53.699	0.2	36.5		2.77		TAS					m_e
WLF	149.94		PKPbc	17:07:59.624	0.3	36.5		2.77		TAS					m_e

Event 60322001 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/22	02:12:02.20			45.9300	15.3900				2.0					2.54	5.35	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
GEC2	3.13		Pn	02:12:52.526						T__					m_e
GRA1	4.70		Pg	02:13:32.377						T__					m_e
GUNZ	4.89		Pn	02:13:16.448						T__					m_e
MOX	5.35		Pn	02:13:22.605						T__					m_e
RJOB	2.54		Pn	02:12:45.438						T__					m_e
TANN	4.90		Pg	02:13:33.876						T__					m_e
UBR	4.03		Pn	02:13:05.245						T__					m_e
WERN	4.80		Pg	02:13:32.956						T__					m_e
WET	3.64		Pn	02:12:59.564						T__					m_e
WET	3.64		Pg	02:13:12.479						T__					m_e

Event 60324003 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/24	08:37:55.06			40.9810	69.9520				33.0					41.24	41.24	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb 4.4 BGR 60324009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	41.24		P	08:45:36.056		88.0		6.89		TAS		7.4	0.90	m_e mb	4.4

Event 60324009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/24	15:06:00.80			-15.0000	167.1500				100.0				16	138.11	140.86	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
BRG	138.21		SKP	15:28:36.110	0.2					T__				m_e	
BUG	140.22		SKP	15:28:41.535						T__				m_e	
CLL	138.25		SKP	15:28:36.498	0.2					T__				m_e	
FBE	138.41		SKP	15:28:37.143	0.1					T__				m_e	
FLT1	138.11		SKP	15:28:35.852	0.4					T__				m_e	
GEC2	139.83		SKP	15:28:41.406						T__				m_e	
GUNZ	139.25		SKP	15:28:39.469						T__				m_e	
IBBN	139.32		SKP	15:28:39.598						T__				m_e	
KAST	140.04		SKP	15:28:41.406						T__				m_e	
MILB	140.86		SKP	15:28:43.731						T__				m_e	
NEUB	138.82		SKP	15:28:37.918	0.0					T__				m_e	
RETH	138.43		SKP	15:28:37.660	-0.7					T__				m_e	
ROTZ	139.77		SKP	15:28:39.985						T__				m_e	
TANN	139.16		SKP	15:28:39.469	0.1					T__				m_e	
WERD	139.20		SKP	15:28:39.339						T__				m_e	
WERN	139.30		SKP	15:28:39.598						T__				m_e	

Event 60325002 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
2016/03/25	21:36:35.45			55.7300	162.4000				33.0			32		68.04	74.37	m i ke	BGR
OrigID 60325008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	60325008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	72.13		P	21:47:56.721	1.8	17.8		6.10		TAS		47.8	2.08	a_e mb	5.3
BRG	70.58		P	21:47:47.021	-0.0	17.8		6.10		TAS		24.5	1.23	a_e mb	5.2
BSEG	68.32		P	21:47:33.771	0.0	17.8		6.10		TAS		27.9	1.17	a_e mb	5.4
BUG	71.22		P	21:47:51.071	-0.2	17.8		6.10		TAS		27.0	1.29	a_e mb	5.2
CLL	70.35		P	21:47:45.471	-0.0	17.8		6.10		TAS		49.4	1.18	a_e mb	5.5
CLZ	70.32		P	21:47:45.371	-0.3	17.8		6.10		TAS		46.9	1.15	a_e mb	5.5
FBE	70.65		P	21:47:47.821	0.2	17.8		6.10		TAS		45.8	1.15	a_e mb	5.5
FLT1	69.70		P	21:47:41.482	-0.3	17.8		6.10		TAS		15.1	1.04	m_e mb	5.1
FUR	73.69		P	21:48:05.821		17.8		6.10		TAS		27.1	0.97	a_e mb	5.2
GEC2	72.56		P	21:47:59.121		17.8		6.10		TAS		13.3	0.87	a_e mb	5.1
GRA1	72.23		P	21:47:57.671	-0.4	17.8		6.10		TAS		40.0	0.96	m_e mb	5.5
GUNZ	71.38		P	21:47:52.321	0.3	17.8		6.10		TAS		18.4	0.91	a_e mb	5.2
IBBN	70.31		P	21:47:45.771	-0.2	17.8		6.10		TAS		34.9	1.13	a_e mb	5.4
KAST	71.27		P	21:47:51.621	0.2	17.8		6.10		TAS		31.8	1.45	a_e mb	5.2
LNIZ	68.04		P	21:47:31.871	0.1	17.8		6.10		TAS		32.3	0.82	a_e mb	5.6
MANZ	71.78		P	21:47:54.521	0.4	17.8		6.10		TAS		3.9	1.05	a_e mb	4.5
MILB	72.45		P	21:47:58.521	0.1	17.8		6.10		TAS		29.1	0.92	a_e mb	5.4



MOX	71.24	P	21:47:51.321	0.2	17.8	6.10	TAS	25.3	1.03	a_e	mb	5.3
NEUB	70.69	P	21:47:47.771	0.1	17.8	6.10	TAS	23.0	0.99	a_e	mb	5.3
PLN	71.29	P	21:47:51.721	-0.0	17.8	6.10	TAS	19.7	0.99	a_e	mb	5.2
RETH	69.63	P	21:47:41.671	-0.4	17.8	6.10	TAS	26.5	1.29	a_e	mb	5.2
RJOB	73.80	P	21:48:06.771		17.8	6.10	TAS	20.8	0.88	a_e	mb	5.2
ROTZ	71.97	P	21:47:55.921	0.1	17.8	6.10	TAS	6.0	1.08	a_e	mb	4.6
RUE	69.09	P	21:47:38.221	-0.0	17.8	6.10	TAS	36.2	0.78	a_e	mb	5.7
STU	73.48	P	21:48:04.371		17.8	6.10	TAS	33.7	1.05	a_e	mb	5.4
TANN	71.30	P	21:47:51.771	-0.2	17.8	6.10	TAS	15.7	1.04	a_e	mb	5.1
TNS	72.21	P	21:47:57.121	-0.7	17.8	6.10	TAS	22.2	1.18	a_e	mb	5.2
UBBA	71.37	P	21:47:52.021	-0.3	17.8	6.10	TAS	32.3	1.53	a_e	mb	5.2
UBR	74.37	P	21:48:09.971		17.8	6.10	TAS	26.3	1.11	a_e	mb	5.2
WERD	71.30	P	21:47:51.821	0.2	17.8	6.10	TAS	34.2	0.99	a_e	mb	5.4
WERN	71.44	P	21:47:52.721	-0.3	17.8	6.10	TAS	30.9	0.87	a_e	mb	5.5
WET	72.44	P	21:47:58.871	-0.5	17.8	6.10	TAS	40.8	1.38	a_e	mb	5.4

Event 60326001 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/26	03:24:35.85			-1.2200	66.4000				10.0			39		67.37	73.15	m i ke	BGR
OrigID 60326007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	60326007
Ms	4.6		BGR	60326007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.99		P	03:36:00.609	0.6	119.1		6.14		TAS		79.4	1.66	a_e	mb 5.6
ASSE	70.70		P	03:35:52.159	-0.0	119.1		6.14		TAS		92.3	1.73	a_e	mb 5.6
BRG	68.31		P	03:35:37.559	0.1	119.1		6.14		TAS		72.4	1.49	a_e	mb 5.7
BSEG	71.77		P	03:35:58.159	-0.5	119.1		6.14		TAS		90.6	1.84	a_e	mb 5.6
BUG	72.27		P	03:36:01.559	-0.2	119.1		6.14		TAS		106.6	1.76	a_e	mb 5.7
CLL	69.04		P	03:35:42.159	0.2	119.1		6.14		TAS		216.1	1.90	a_e	mb 6.1
CLZ	70.73		P	03:35:51.709	-0.6	119.1		6.14		TAS		115.0	1.68	a_e	mb 5.7
FBE	68.65		P	03:35:39.859	0.3	119.1		6.14		TAS		114.1	1.56	a_e	mb 5.9
FLT1	70.50		P	03:35:50.459	-0.5	119.1		6.14		TAS		76.8	1.58	a_e	mb 5.6
FUR	68.47		P	03:35:38.209	-0.1	119.1		6.14		TAS		187.1	1.46	a_e	mb 6.1
GEC2	67.40		P	03:35:30.580	-1.3	119.1		6.14		TAS		9.2	1.33	m_e	mb 4.8
GRA1	69.23		P	03:35:42.859	-0.2	119.1		6.14		TAS		198.7	1.41	m_e	mb 6.2
GRA1	69.23		L	04:06:29.434						T__		375.5	20.30	a_e	Ms 4.6
GTTG	70.81		P	03:35:53.109	0.2	119.1		6.14		TAS		176.8	1.95	a_e	mb 5.9
GUNZ	68.93		P	03:35:41.909	0.6	119.1		6.14		TAS		179.2	1.81	a_e	mb 6.0
HLG	73.15		P	03:36:06.559	-0.6	119.1		6.14		TAS		223.2	1.03	a_e	mb 6.2
IBBN	72.38		P	03:36:02.459	0.0	119.1		6.14		TAS		159.1	1.67	a_e	mb 5.9
KAST	71.52		P	03:35:57.409	0.2	119.1		6.14		TAS		70.5	1.71	a_e	mb 5.5
LNIZ	69.56		P	03:35:44.909	-0.1	119.1		6.14		TAS		283.1	1.66	a_e	mb 6.1

MANZ	68.87	P	03:35:40.809	-0.1	119.1	6.14	TAS	15.8	1.53	a_e	mb	5.0
MILB	70.40	P	03:35:49.959	-0.3	119.1	6.14	TAS	100.4	2.04	a_e	mb	5.6
MOX	69.47	P	03:35:44.959	0.4	119.1	6.14	TAS	51.2	1.48	a_e	mb	5.5
NEUB	69.65	P	03:35:45.909	0.2	119.1	6.14	TAS	86.0	1.36	a_e	mb	5.7
NRDL	71.19	P	03:35:55.359	0.2	119.1	6.14	TAS	122.7	1.66	a_e	mb	5.8
PLN	69.09	P	03:35:42.959	0.7	119.1	6.14	TAS	136.4	1.96	a_e	mb	5.8
RETH	71.70	P	03:35:58.209	-0.1	119.1	6.14	TAS	160.5	1.77	a_e	mb	5.9
RGN	70.57	P	03:35:51.359	0.3	119.1	6.14	TAS	104.0	1.13	a_e	mb	5.9
RJOB	67.37	P	03:35:31.109	-0.5	119.1	6.14	TAS	33.7	1.27	a_e	mb	5.4
ROTZ	68.70	P	03:35:39.809	-0.1	119.1	6.14	TAS	12.4	1.48	a_e	mb	4.9
RUE	69.23	P	03:35:43.059	-0.0	119.1	6.14	TAS	142.8	1.32	a_e	mb	6.0
SKMB	72.60	P	03:36:03.609	-0.1	119.1	6.14	TAS	289.1	1.79	a_e	mb	6.1
STU	69.98	P	03:35:47.409	-0.2	119.1	6.14	TAS	242.9	1.41	a_e	mb	6.1
TANN	68.88	P	03:35:41.509	0.5	119.1	6.14	TAS	97.0	1.89	a_e	mb	5.7
TNS	71.06	P	03:35:54.609	0.3	119.1	6.14	TAS	139.6	1.62	a_e	mb	5.8
UBBA	70.45	P	03:35:50.809	0.2	119.1	6.14	TAS	128.9	1.65	a_e	mb	5.8
UBR	68.94	P	03:35:41.709	0.6	119.1	6.14	TAS	400.9	1.70	a_e	mb	6.4
WERD	68.99	P	03:35:42.159	0.5	119.1	6.14	TAS	161.6	2.20	a_e	mb	5.9
WERN	68.87	P	03:35:41.409	0.5	119.1	6.14	TAS	273.4	1.86	a_e	mb	6.2
WET	68.01	P	03:35:34.659	-1.0	119.1	6.14	TAS	52.4	1.73	a_e	mb	5.5
WLF	72.16	P	03:36:00.759	-0.2	119.1	6.14	TAS	88.5	1.51	a_e	mb	5.7

Event 60326002 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/26	16:18:48.70			-14.8400	-173.8600				10.0					145.00	145.00	m i ke	EMSC
OrigID 60326034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.00		PKP	16:38:26.293		8.6		2.76		TAS		27.6	1.19	m_e	

Event 60327001 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/27	13:09:24.63	1.07	0.96	40.8300	19.5790	47.8	17.8	52	10.0				11	340	6.75	11.27	m i ke BGR
OrigID 60327007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	7.05		Pn	13:11:04.937	-0.7					T__				m_e	

BFO	10.97	Pn	13:11:57.769	-0.6	T__	m_e
GEC2	9.03	Pn	13:11:31.674	-0.6	T__	m_e
KBA	7.69	Sn	13:12:31.671	-2.4	T__	m_e
KBA	7.69	Pn	13:11:14.153	-0.1	T__	m_e
MOA	7.98	Pn	13:11:18.654	0.5	T__	m_e
MOX	11.27	Pn	13:12:02.512	0.1	T__	m_e
NORI	10.13	Pn	13:11:47.150	0.1	T__	m_e
OBKA	6.75	Sn	13:12:13.966	2.0	T__	m_e
OBKA	6.75	Pn	13:11:01.037	-0.4	T__	m_e
RJOB	8.44	Pn	13:11:25.239	0.9	T__	m_e
UBR	9.64	Pn	13:11:40.496	0.1	T__	m_e
WTTA	8.60	Sn	13:12:55.652	0.4	T__	m_e
WTTA	8.60	Pn	13:11:27.069	0.6	T__	m_e

Event 60327002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/27	18:01:52.50			53.6800	-168.3900				131.0	2.4		40		71.95	79.01	m i ke	BGR
60327008																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	60327008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.08		P	18:13:25.876	0.2	359.9		5.70		TAS		179.8	1.37	a_e mb	6.0
AHRW	76.08		pP	18:13:58.453						T__				m_e	
ASSE	74.56		P	18:13:16.976	-0.0	359.9		5.70		TAS		170.7	1.60	a_e mb	5.8
ASSE	74.56		pP	18:13:49.633						T__				m_e	
BFO	78.33		P	18:13:38.176	-0.3	359.9		5.70		TAS		161.2	1.39	a_e mb	6.0
BFO	78.33		pP	18:14:10.729						T__				m_e	
BRG	75.80		P	18:13:23.926	-0.1	359.9		5.70		TAS		192.5	1.56	a_e mb	6.0
BRG	75.80		pP	18:13:56.808						T__				m_e	
BSEG	72.75		P	18:13:06.626	-0.1	359.9		5.70		TAS		161.0	1.33	a_e mb	6.0
BSEG	72.75		pP	18:13:39.331						T__				m_e	
BUG	75.19		P	18:13:20.276	-0.3	359.9		5.70		TAS		117.1	1.10	a_e mb	5.8
BUG	75.19		pP	18:13:53.122						T__				m_e	
CLL	75.38		P	18:13:21.276	-0.4	359.9		5.70		TAS		146.0	1.44	a_e mb	5.8
CLZ	74.85		P	18:13:18.176	-0.5	359.9		5.70		TAS		210.1	1.40	a_e mb	6.0
CLZ	74.85		pP	18:13:50.856						T__				m_e	
FBE	75.76		P	18:13:24.076	0.2	359.9		5.70		TAS		337.7	1.62	a_e mb	6.2
FBE	75.76		pP	18:13:56.530						T__				m_e	
FLT1	74.36		P	18:13:15.326	-0.6	359.9		5.70		TAS		161.9	1.48	a_e mb	5.8
FLT1	74.36		pP	18:13:48.074						T__				m_e	
FUR	78.53		P	18:13:39.576	-0.1	359.9		5.70		TAS		331.7	1.46	a_e mb	6.2
GEC2	77.84		P	18:13:35.576	-0.1	359.9		5.70		TAS		186.9	1.48	a_e mb	6.0
GEC2	77.84		pP	18:14:08.458						T__				m_e	

GRA1	77.00	P	18:13:31.376	0.4	359.9	5.70	TAS	374.7	1.51	a_e	mb	6.3
GRA1	77.00	pP	18:14:03.930				T__			m_e		
GTTG	75.14	P	18:13:20.526	0.2	359.9	5.70	TAS	192.2	1.39	a_e	mb	5.9
GTTG	75.14	pP	18:13:53.253				T__			m_e		
GUNZ	76.33	P	18:13:27.326	0.2	359.9	5.70	TAS	314.7	1.91	a_e	mb	6.1
HLG	72.46	P	18:13:05.076	0.1	359.9	5.70	TAS	298.4	1.15	a_e	mb	6.3
HLG	72.46	pP	18:13:37.896				T__			m_e		
IBBN	74.34	P	18:13:15.826	0.1	359.9	5.70	TAS	261.4	1.36	a_e	mb	6.1
IBBN	74.34	pP	18:13:48.493				T__			m_e		
KAST	75.46	P	18:13:22.176	0.1	359.9	5.70	TAS	109.1	1.36	a_e	mb	5.7
KAST	75.46	pP	18:13:54.485				T__			m_e		
LNIZ	73.17	P	18:13:08.976	-0.1	359.9	5.70	TAS	242.2	1.27	a_e	mb	6.2
LNIZ	73.17	pP	18:13:41.565				T__			m_e		
MANZ	76.71	P	18:13:29.276	0.0	359.9	5.70	TAS	40.1	1.61	a_e	mb	5.3
MANZ	76.71	pP	18:14:01.852				T__			m_e		
MILB	76.85	P	18:13:30.026	-0.0	359.9	5.70	TAS	140.3	1.17	a_e	mb	6.0
MILB	76.85	pP	18:14:02.733				T__			m_e		
MOX	76.05	P	18:13:25.526	0.0	359.9	5.70	TAS	174.7	1.39	m_e	mb	6.0
MOX	76.05	pP	18:13:58.402				T__			m_e		
NEUB	75.50	P	18:13:22.276	-0.1	359.9	5.70	TAS	272.1	1.42	a_e	mb	6.1
NRDL	74.19	P	18:13:14.776	-0.1	359.9	5.70	TAS	146.4	1.41	a_e	mb	5.8
NRDL	74.19	pP	18:13:47.646				T__			m_e		
PLN	76.21	P	18:13:26.376	-0.0	359.9	5.70	TAS	114.6	1.50	a_e	mb	5.8
PLN	76.21	pP	18:13:58.999				T__			m_e		
RETH	73.94	P	18:13:13.526	0.1	359.9	5.70	TAS	191.0	1.46	a_e	mb	5.9
RETH	73.94	pP	18:13:46.048				T__			m_e		
RGN	72.13	P	18:13:03.126	0.0	359.9	5.70	TAS	145.6	0.97	a_e	mb	6.1
RGN	72.13	pP	18:13:35.756				T__			m_e		
RJOB	78.95	P	18:13:41.826	-0.2	359.9	5.70	TAS	93.1	1.19	a_e	mb	5.7
RJOB	78.95	pP	18:14:14.453				T__			m_e		
ROTZ	76.93	P	18:13:30.776	0.3	359.9	5.70	TAS	60.8	1.68	a_e	mb	5.5
ROTZ	76.93	pP	18:14:03.103				T__			m_e		
RUE	74.20	P	18:13:14.876	-0.0	359.9	5.70	TAS	248.0	1.40	a_e	mb	6.0
RUE	74.20	pP	18:13:47.671				T__			m_e		
SKMB	71.95	P	18:13:02.326	0.2	359.9	5.70	TAS	563.5	1.64	a_e	mb	6.4
SKMB	71.95	pP	18:13:34.764				T__			m_e		
STU	77.91	P	18:13:35.776	-0.3	359.9	5.70	TAS	443.7	1.46	a_e	mb	6.4
STU	77.91	pP	18:14:07.908				T__			m_e		
TANN	76.28	P	18:13:27.026	0.2	359.9	5.70	TAS	248.5	1.83	a_e	mb	6.0
TANN	76.28	pP	18:13:59.205				T__			m_e		
TNS	76.44	P	18:13:27.726	0.0	359.9	5.70	TAS	113.7	1.29	a_e	mb	5.8
TNS	76.44	pP	18:14:00.277				T__			m_e		
UBBA	75.87	P	18:13:24.426	-0.0	359.9	5.70	TAS	166.4	1.74	a_e	mb	5.9
UBBA	75.87	pP	18:13:56.479				T__			m_e		
UBR	79.01	P	18:13:42.126	-0.2	359.9	5.70	TAS	225.2	1.48	a_e	mb	6.0
WERD	76.25	P	18:13:26.776	0.2	359.9	5.70	TAS	176.6	1.70	a_e	mb	5.9
WERN	76.41	P	18:13:27.776	0.3	359.9	5.70	TAS	188.9	1.47	a_e	mb	6.0
WERN	76.41	pP	18:14:00.137				T__			m_e		
WET	77.55	P	18:13:34.276	0.3	359.9	5.70	TAS	210.3	1.67	a_e	mb	6.0

WET	77.55	pP	18:14:06.749							T__						m_e	
WLF	76.93	P	18:13:30.776	0.3	359.9		5.70			TAS	220.9	1.51	a_e	mb		6.1	
WLF	76.93	pP	18:14:03.423							T__						m_e	

Event 60327003 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/27	18:27:28.44			52.0630	-168.9370				33.0					78.62	78.62	m i ke	BGR
		OrigID															
		60327009															

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60327009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.62		P	18:39:25.320		1.9		4.90		TAS		26.0	1.12	m_e	mb	5.2

Event 60328001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/28	11:45:09.67			52.7250	-167.6500				33.0					77.96	77.96	m i ke	BGR
		OrigID															
		60328007															

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	60328007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	77.96		P	11:57:02.843		0.3		4.98		TAS		19.3	1.05	m_e	mb	5.2

Event 60328002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/28	17:15:06.49			53.6900	-168.1600				33.0				38	72.12	79.00	m i ke	BGR
		OrigID															
		60328008															

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	60328008
Ms	5.1		BGR	60328008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.07		P	17:26:51.686	0.1	359.9		5.70		TAS		44.8	1.09	a_e	mb	5.5

ASSE	74.55	P	17:26:42.736	0.2	359.9	5.70	TAS	44.2	1.14	a_e	mb	5.5
BFO	78.31	P	17:27:03.886	-0.2	359.9	5.70	TAS	59.9	1.31	a_e	mb	5.5
BRG	75.80	P	17:26:49.636	0.0	359.9	5.70	TAS	65.2	1.33	a_e	mb	5.6
BSEG	72.74	P	17:26:32.436	0.1	359.9	5.70	TAS	68.2	1.16	a_e	mb	5.6
BUG	75.17	P	17:26:45.986	0.1	359.9	5.70	TAS	76.2	1.22	a_e	mb	5.7
CLL	75.37	P	17:26:47.086	-0.1	359.9	5.70	TAS	82.6	1.44	a_e	mb	5.7
CLZ	74.83	P	17:26:43.936	-0.3	359.9	5.70	TAS	109.9	1.08	a_e	mb	5.9
FBE	75.75	P	17:26:49.836	-0.1	359.9	5.70	TAS	104.6	1.33	a_e	mb	5.8
FLT1	74.35	P	17:26:41.086	-0.4	359.9	5.70	TAS	56.1	1.23	a_e	mb	5.5
FUR	78.52	P	17:27:05.286	-0.3	359.9	5.70	TAS	150.8	1.39	a_e	mb	5.7
GEC2	77.83	P	17:27:01.336	-0.3	359.9	5.70	TAS	64.5	1.36	a_e	mb	5.5
GRA1	76.99	P	17:26:57.086	-0.0	359.9	5.70	TAS	110.7	1.29	a_e	mb	5.8
GRA1	76.99	L	18:05:38.865				T__	978.1	19.60	a_e	Ms	5.1
GTTG	75.12	P	17:26:46.236	-0.3	359.9	5.70	TAS	120.4	1.10	a_e	mb	5.9
GUNZ	76.32	P	17:26:53.036	0.0	359.9	5.70	TAS	83.1	1.53	m_e	mb	5.6
IBBN	74.32	P	17:26:41.536	-0.0	359.9	5.70	TAS	164.2	1.37	a_e	mb	5.9
KAST	75.44	P	17:26:47.936	0.3	359.9	5.70	TAS	36.0	1.20	a_e	mb	5.4
LNIZ	73.17	P	17:26:34.636	0.1	359.9	5.70	TAS	153.5	1.40	a_e	mb	5.8
MANZ	76.70	P	17:26:54.986	0.3	359.9	5.70	TAS	17.7	1.56	a_e	mb	5.0
MILB	76.83	P	17:26:55.786	0.4	359.9	5.70	TAS	70.6	1.07	a_e	mb	5.7
MOX	76.04	P	17:26:51.236	0.1	359.9	5.70	TAS	73.5	1.25	a_e	mb	5.7
NEUB	75.49	P	17:26:48.036	-0.1	359.9	5.70	TAS	108.9	1.26	a_e	mb	5.8
NRDL	74.18	P	17:26:40.586	-0.5	359.9	5.70	TAS	56.2	1.08	a_e	mb	5.5
PLN	76.20	P	17:26:52.186	0.3	359.9	5.70	TAS	50.4	1.35	a_e	mb	5.5
RETH	73.92	P	17:26:39.286	-0.1	359.9	5.70	TAS	84.2	1.25	a_e	mb	5.6
RGN	72.12	P	17:26:28.836	0.0	359.9	5.70	TAS	448.4	1.62	a_e	mb	6.3
RJOB	78.95	P	17:27:07.536		359.9	5.70	TAS	41.6	1.09	a_e	mb	5.3
ROTZ	76.92	P	17:26:56.486	0.4	359.9	5.70	TAS	19.7	1.46	a_e	mb	5.0
RUE	74.19	P	17:26:40.686	0.1	359.9	5.70	TAS	135.8	1.35	a_e	mb	5.8
STU	77.89	P	17:27:01.536	-0.1	359.9	5.70	TAS	137.4	1.18	a_e	mb	5.9
TANN	76.27	P	17:26:52.786	0.3	359.9	5.70	TAS	83.8	1.57	a_e	mb	5.6
TNS	76.42	P	17:26:53.486	-0.0	359.9	5.70	TAS	57.8	1.24	a_e	mb	5.6
UBBA	75.85	P	17:26:50.086	0.3	359.9	5.70	TAS	48.6	1.51	a_e	mb	5.4
UBR	79.00	P	17:27:07.836		359.9	5.70	TAS	94.0	1.45	a_e	mb	5.5
WERD	76.24	P	17:26:52.486	0.2	359.9	5.70	TAS	58.7	1.46	a_e	mb	5.5
WERN	76.40	P	17:26:53.536	0.0	359.9	5.70	TAS	69.8	1.33	a_e	mb	5.6
WET	77.54	P	17:26:59.936	-0.3	359.9	5.70	TAS	66.8	1.42	a_e	mb	5.5
WLF	76.91	P	17:26:56.586	0.2	359.9	5.70	TAS	72.4	1.29	a_e	mb	5.6

Event 60329001 Ionian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/29	01:05:30.45	1.37	1.57	37.2300	20.2150	46.7	22.2	26	10.0				19 300	9.31	18.05	m i ke	BGR
60329007																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 60329007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	14.10		Sn	01:11:07.784	-1.1					T__				m_e	
BRG	14.36		Pn	01:08:51.077	1.5					T__				m_e	
BSEG	18.05		P	01:09:38.357	-1.1					T__		151.3	1.23	m_e mb	5.0
BUD	10.28		Pn	01:07:51.124	-3.8					T__				m_e	
BUG	16.92		Pn	01:09:26.439	2.6					T__		207.6	1.44	m_e	
CLL	14.98		Pn	01:08:57.967	0.1					T__				m_e	
FLT1	16.37		Pn	01:09:17.527	1.1					T__				m_e	
GRA1	14.05		Pn	01:08:44.034	-1.4					T__				m_e	
LNIZ	16.79		Pn	01:09:22.627	0.6					T__				m_e	
MANZ	14.03		Pn	01:08:43.138	-2.0					T__				m_e	
MILB	14.86		Pn	01:08:56.838	0.6					T__				m_e	
MLR	9.31		Pn	01:07:43.572	1.8					T__				m_e	
MOX	14.76		Pn	01:08:55.305	0.4					T__				m_e	
NRDL	16.83		Pn	01:09:24.104	1.5					T__		228.7	1.38	m_e	
PSZ	10.68		Pn	01:07:58.579	-1.7					T__				m_e	
RJOB	11.84		Sn	01:10:17.879	1.5					T__				m_e	
RJOB	11.84		Pn	01:08:14.975	-0.8					T__				m_e	
RUE	15.90		Pn	01:09:11.269	1.1					T__				m_e	
TANN	14.31		Pn	01:08:49.611	0.7					T__				m_e	
WET	13.05		Pn	01:08:30.378	-1.6					T__				m_e	

Event 60329003 Northern Molucca Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/29	09:18:10.80			2.4800	126.2100				55.0					103.97	103.97	m i ke	EMSC
OrigID 60329035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	103.97		Pdiff	09:32:07.727						T__				m_e	

Event 60329006 Svalbard, Norway, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/29	10:32:07.90			77.8500	20.8400				10.0					28.50	28.50	m i ke	EMSC
OrigID 60329038																	

Magnitude Err Nsta Author OrigID

mb 5.1 BGR 60329012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	28.50		P	10:38:03.803		4.3		8.71		TAS		31.3	1.05	m_e mb	5.1

## Event 60329007 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/29	11:03:05.20			-33.2200	179.6200				253.0					161.43	161.43	m i ke	EMSC
OrigID 60329039																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	161.43		PKP	11:23:20.354		32.0		4.01		TAS				m_e	

## Event 60329009 Carlsberg Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/29	20:53:20.80			6.4200	60.3900				20.0					59.57	59.57	m i ke	EMSC
OrigID 60329045																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	60329015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	59.57		P	21:03:21.111		119.3		8.47		TAS		11.3	1.36	m_e mb	4.7

## Event 60330001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/30	01:15:48.81			52.1960	-168.7780				33.0					78.49	78.49	m i ke	BGR
OrigID 60330007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	60330007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.49		P	01:27:44.952		2.9		4.92		TAS		19.4	1.21	m_e mb	5.1



## Event 60330002 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/30	04:05:25.90			-14.9120	67.6140				33.0					81.20	81.20	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	60330008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.20		P	04:17:39.772		125.2		6.42		TAS		33.5	1.70	m_e mb	5.1

## Event 60330003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/30	05:09:51.91			41.4450	143.8840				33.0					80.18	80.18	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	60330009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.18		P	05:21:57.600		32.3		4.73		TAS		10.8	0.83	m_e mb	4.8

## Event 60331002 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2016/03/31	07:15:12.15			30.2720	50.8530				33.0					35.50	35.50	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	60331008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	35.50		P	07:22:05.625		112.2		9.38		TAS		4.3	0.86	m_e mb	4.3

## Event 60331006 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2016/03/31 12:34:10.86 53.1290 -168.4540 33.0 77.56 77.56 m i ke BGR  
 60331012

Magnitude Err Nsta Author OrigID  
 mb 5.2 BGR 60331012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
 GRA1 77.56 P 12:46:01.804 2.1 5.00 TAS 23.2 1.15 m\_e mb 5.2

Event 60331007 Kuril Islands, Russia  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2016/03/31 13:13:48.47 44.9040 149.3970 33.0 78.99 78.99 m i ke BGR  
 60331013

Magnitude Err Nsta Author OrigID  
 mb 4.5 BGR 60331013

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
 GRA1 78.99 P 13:25:47.553 27.7 4.76 TAS 6.3 1.14 m\_e mb 4.5

Event 60331010 Northern Sumatera, Indonesia  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2016/03/31 19:38:46.00 3.1500 96.2400 40.0 84.39 84.39 m i ke EMSC  
 60331042

Magnitude Err Nsta Author OrigID  
 mb 5.0 BGR 60331016

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
 GRA1 84.39 P 19:51:14.840 91.8 4.17 TAS 8.2 0.81 m\_e mb 5.0  
 GRA1 84.39 pP 19:51:26.021 T\_\_ m\_e