

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

(produced by SZO/BGR - HANNOVER)

January 2017

UPDATED 17.June 2019

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

Event 70101002 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/01	13:03:45.83	2.28	1.33	33.4460	27.5410	73.4	68.9	44	10.0			28	345	18.10	23.85	m i ke	BGR
OrigID 70101008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70101008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.75		P	13:08:47.872	1.0					T__		26.4	0.76	m_e mb	4.8
BFO	20.70		P	13:08:25.727	0.2					T__		14.0	0.84	m_e mb	4.3
BRG	20.06		P	13:08:18.153	-0.3					T__		11.4	0.96	m_e mb	4.1
BSEG	23.85		P	13:08:56.178	-1.5					T__		7.9	0.75	m_e mb	4.3
BUG	23.26		P	13:08:51.536	-0.4					T__		21.0	0.94	m_e mb	4.6
CLL	20.76		P	13:08:26.637	0.5					T__		15.6	0.69	m_e mb	4.5
CLZ	22.20		P	13:08:42.009	0.6					T__		7.9	0.80	m_e mb	4.2
FLT1	22.24		P	13:08:39.516	-2.2					T__		9.8	0.88	m_e mb	4.2
FUR	19.12		P	13:08:07.856	0.3					T__		23.2	0.92	m_e mb	4.4
GEC2	18.53		P	13:07:59.864	-0.8					T__		11.1	0.77	m_e mb	4.2
GRA1	20.24		P	13:08:21.095						T__		16.6	0.83	m_e mb	4.3
GTTG	22.15		P	13:08:39.294	-1.5					T__		26.7	0.82	m_e mb	4.7
GUNZ	20.28		P	13:08:21.817	1.0					T__		12.0	0.69	m_e mb	4.2
IBBN	23.64		P	13:08:52.124	-3.6					T__		9.0	0.84	m_e mb	4.3
KAST	22.57		P	13:08:45.361	0.2					T__		8.6	0.86	m_e mb	4.3
MANZ	20.08		P	13:08:18.363	-0.2					T__		3.0	0.90	m_e mb	3.5
MOX	20.79		P	13:08:25.906	-0.5					T__		11.8	0.83	m_e mb	4.3
NEUB	21.15		P	13:08:31.817	1.5					T__		24.6	0.88	m_e mb	4.5
NRDL	22.81		P	13:08:51.255	3.8					T__		9.1	0.92	m_e mb	4.3
RJOB	18.10		P	13:07:54.280	-1.2					T__		9.1	0.84	m_e mb	3.9
ROTZ	19.87		P	13:08:15.686	-0.6					T__		1.3	0.82	m_e mb	3.2

RUE	21.45	P	13:08:34.925	1.4	T__	34.0	0.82	m_e	mb	4.7
STU	20.55	P	13:08:24.228	0.4	T__	44.2	0.81	m_e	mb	4.8
TANN	20.26	P	13:08:20.362	-0.3	T__	11.6	0.85	m_e	mb	4.1
TNS	21.88	P	13:08:38.360	0.3	T__	25.0	0.91	m_e	mb	4.6
UBR	19.37	P	13:08:10.240	-0.3	T__	31.8	0.68	m_e	mb	4.7
WERD	20.35	P	13:08:21.796	0.2	T__	12.9	0.72	m_e	mb	4.3
WERN	20.20	P	13:08:20.854	0.9	T__	10.9	0.82	m_e	mb	4.1
WLF	22.65	P	13:08:47.021	1.1	T__	35.1	0.96	m_e	mb	4.9

Event 70102002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/02	10:15:17.03			-23.3870	-179.4390				573.1	1.2		30		148.62	154.59	m i ke	BGR
	70102008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.42		PKPdf	10:34:01.933		21.5		2.25		TAS				m_e	
AHRW	152.42		PKPab	10:34:21.298		21.5		2.25		TAS				m_e	
ASSE	150.27		PKPbc	10:34:03.813	-0.1	21.5		2.25		TAS				a_e	
BFO	154.35		PKPab	10:34:28.858		21.5		2.25		TAS				m_e	
BRG	150.66		PKPbc	10:34:04.613	0.4	21.5		2.25		TAS				a_e	
BSEG	148.62		PKPbc	10:33:59.863	-0.2	21.5		2.25		TAS				a_e	
BUG	151.52		PKPbc	10:34:06.463	0.0	21.5		2.25		TAS				a_e	
BUG	151.52		pPKPbc	10:36:18.967						T__				m_e	
CLL	150.51		PKPbc	10:34:04.163	0.0	21.5		2.25		TAS				a_e	
CLZ	150.60		PKPbc	10:34:04.863	-0.1	21.5		2.25		TAS				a_e	
FLT1	149.97		PKPbc	10:34:02.813	-0.0	21.5		2.25		TAS				a_e	
FUR	153.84		PKPdf	10:34:04.310		21.5		2.25		TAS				m_e	
FUR	153.84		PKPab	10:34:27.386		21.5		2.25		TAS				m_e	
GEC2	152.55		PKPdf	10:34:01.392		21.5		2.25		TAS				m_e	
GEC2	152.55		PKPbc	10:34:08.613	0.3	21.5		2.25		TAS				a_e	
GEC2	152.55		PKPab	10:34:21.365		21.5		2.25		TAS				m_e	
GOR1	149.33		PKPbc	10:34:01.763	-0.2	21.5		2.25		TAS				a_e	
GRA1	152.44		PKPdf	10:34:02.119		21.5		2.25		TAS				m_e	
GRA1	152.44		PKPbc	10:34:08.704	-0.3	21.5		2.25		TAS				m_e	
GRA1	152.44		PKPab	10:34:20.561		21.5		2.25		TAS				m_e	
GTTG	150.97		PKPbc	10:34:05.463	0.1	21.5		2.25		TAS				a_e	
GUNZ	151.55		PKPdf	10:34:00.461		21.5		2.25		TAS				m_e	
GUNZ	151.55		PKPbc	10:34:06.813	0.3	21.5		2.25		TAS				a_e	
GUNZ	151.55		PKPab	10:34:17.537		21.5		2.25		TAS				m_e	
HLG	148.75		PKPbc	10:34:00.513	-0.2	21.5		2.25		TAS				a_e	
IBBN	150.60		PKPbc	10:34:04.663	0.1	21.5		2.25		TAS				a_e	
KAST	151.57		PKPbc	10:34:06.813	0.3	21.5		2.25		TAS				a_e	
MANZ	151.95		PKPdf	10:34:00.024		21.5		2.25		TAS				m_e	

MANZ	151.95	PKPbc	10:34:07.613	-0.1	21.5	2.25	TAS	m_e
MOX	151.46	PKPbc	10:34:06.413	0.2	21.5	2.25	TAS	a_e
MOX	151.46	PKPab	10:34:16.256		21.5	2.25	TAS	m_e
NEUB	150.91	PKPbc	10:34:05.213	0.1	21.5	2.25	TAS	a_e
NRDL	150.03	PKPbc	10:34:03.263	0.1	21.5	2.25	TAS	a_e
PLN	151.48	PKPbc	10:34:06.463	0.0	21.5	2.25	TAS	a_e
PLN	151.48	PKPab	10:34:16.986		21.5	2.25	TAS	m_e
RETH	149.93	PKPbc	10:34:03.063	0.0	21.5	2.25	TAS	a_e
RJOB	153.81	PKPpdf	10:34:02.856		21.5	2.25	TAS	m_e
RJOB	153.81	PKPab	10:34:26.814		21.5	2.25	TAS	m_e
ROTZ	152.13	PKPpdf	10:34:01.669		21.5	2.25	TAS	m_e
ROTZ	152.13	PKPbc	10:34:07.813	0.1	21.5	2.25	TAS	a_e
ROTZ	152.13	PKPab	10:34:20.076		21.5	2.25	TAS	m_e
RUE	149.25	PKPbc	10:34:01.163	0.1	21.5	2.25	TAS	a_e
STU	153.76	PKPpdf	10:34:03.089		21.5	2.25	TAS	m_e
STU	153.76	PKPbc	10:34:11.513		21.5	2.25	TAS	a_e
STU	153.76	PKPab	10:34:26.875		21.5	2.25	TAS	m_e
STU	153.76	pPKPpdf	10:36:19.148				T__	m_e
STU	153.76	pPKPbc	10:36:23.555				T__	m_e
TANN	151.47	PKPbc	10:34:06.463	0.1	21.5	2.25	TAS	a_e
TNS	152.51	PKPab	10:34:23.442		21.5	2.25	TAS	m_e
UBBA	151.65	PKPpdf	10:34:00.745		21.5	2.25	TAS	m_e
UBBA	151.65	PKPbc	10:34:07.119	0.1	21.5	2.25	TAS	m_e
UBBA	151.65	PKPab	10:34:18.740		21.5	2.25	TAS	m_e
UBR	154.59	PKPpdf	10:34:03.916		21.5	2.25	TAS	m_e
UBR	154.59	PKPbc	10:34:12.863		21.5	2.25	TAS	a_e
WERD	151.48	PKPbc	10:34:06.463	0.1	21.5	2.25	TAS	a_e
WERN	151.61	PKPpdf	10:33:59.455		21.5	2.25	TAS	m_e
WERN	151.61	PKPbc	10:34:07.013	-0.3	21.5	2.25	TAS	a_e
WERN	151.61	PKPab	10:34:17.699		21.5	2.25	TAS	m_e
WLF	153.41	PKPbc	10:34:11.413		21.5	2.25	TAS	a_e
WLF	153.41	PKPab	10:34:25.575		21.5	2.25	TAS	m_e

Event 70102003 Northern Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/02	13:13:48.18			-5.4500	-75.7300				104.6			35		88.88	93.98	m i ke	BGR
70102009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	70102009
Ms	5.1		BGR	70102009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.60		P	13:26:34.076	0.3	264.0		4.72		TAS		243.1	1.26	m_e	mb 6.3
ASSE	92.05		P	13:26:45.578	0.1	264.0		4.72		TAS		113.7	1.43	a_e	mb 6.0

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	152.71		PKPdf	13:32:49.264	-4.1	21.4		2.22		TAS					m_e	
AHRW	152.71		PKPbc	13:32:56.027	0.5	21.4		2.22		TAS					a_e	
AHRW	152.71		PKPab	13:33:08.587	0.1	21.4		2.22		TAS					m_e	
ASSE	150.57		PKPdf	13:32:45.832	-0.6	21.4		2.22		TAS					m_e	
ASSE	150.57		PKPbc	13:32:51.177	-0.1	21.4		2.22		TAS					a_e	
ASSE	150.57		PKPab	13:32:58.914	-0.2	21.4		2.22		TAS					m_e	
BFO	154.65		PKPdf	13:32:51.478		21.4		2.22		TAS					m_e	
BFO	154.65		PKPbc	13:33:00.069	-0.3	21.4		2.22		TAS					m_e	
BFO	154.65		PKPab	13:33:16.263		21.4		2.22		TAS					m_e	
BRG	150.96		PKPdf	13:32:46.314	0.3	21.4		2.22		TAS					m_e	
BRG	150.96		PKPbc	13:32:51.977	0.1	21.4		2.22		TAS					a_e	
BRG	150.96		PKPab	13:33:01.442	0.1	21.4		2.22		TAS					m_e	
BSEG	148.91		PKPdf	13:32:43.383	1.7	21.4		2.22		TAS					m_e	
BSEG	148.91		PKPbc	13:32:47.277	-0.2	21.4		2.22		TAS					m_e	
BSEG	148.91		PKPab	13:32:52.893	0.8	21.4		2.22		TAS					m_e	
BUG	151.81		PKPdf	13:32:47.375	-1.1	21.4		2.22		TAS					m_e	
BUG	151.81		PKPbc	13:32:53.476	-0.1	21.4		2.22		TAS					m_e	
BUG	151.81		PKPab	13:33:04.523	0.1	21.4		2.22		TAS					m_e	
CLL	150.81		PKPdf	13:32:45.898	-0.6	21.4		2.22		TAS					m_e	
CLL	150.81		PKPbc	13:32:51.427	0.1	21.4		2.22		TAS					a_e	
CLL	150.81		PKPab	13:33:00.816	0.1	21.4		2.22		TAS					m_e	
CLZ	150.90		PKPdf	13:32:46.449	-0.8	21.4		2.22		TAS					m_e	
CLZ	150.90		PKPbc	13:32:52.177	0.0	21.4		2.22		TAS					a_e	
CLZ	150.90		PKPab	13:33:01.231	-0.3	21.4		2.22		TAS					m_e	
FLT1	150.26		PKPdf	13:32:45.299	-0.6	21.4		2.22		TAS					m_e	
FLT1	150.26		PKPbc	13:32:50.177	0.1	21.4		2.22		TAS					a_e	
FLT1	150.26		PKPab	13:32:57.660	-0.8	21.4		2.22		TAS					m_e	
FUR	154.14		PKPdf	13:32:50.743		21.4		2.22		TAS					m_e	
FUR	154.14		PKPbc	13:32:59.062	-0.1	21.4		2.22		TAS					m_e	
FUR	154.14		PKPab	13:33:14.429	-0.1	21.4		2.22		TAS					m_e	
GEC2	152.85		PKPdf	13:32:48.931		21.4		2.22		TAS					m_e	
GEC2	152.85		PKPbc	13:32:55.977	0.3	21.4		2.22		TAS					a_e	
GEC2	152.85		PKPab	13:33:09.098	-0.3	21.4		2.22		TAS					m_e	
GEC2	152.85		pPKPbc	13:35:13.309						T__					m_e	
GOR1	149.62		PKPdf	13:32:44.652	-0.6	21.4		2.22		TAS					m_e	
GOR1	149.62		PKPbc	13:32:49.127	0.1	21.4		2.22		TAS					a_e	
GRA1	152.74		PKPdf	13:32:49.031		21.4		2.22		TAS					m_e	
GRA1	152.74		PKPbc	13:32:56.322	-0.6	21.4		2.22		TAS					m_e	
GRA1	152.74		PKPab	13:33:09.191	-0.3	21.4		2.22		TAS					m_e	
GRA1	152.74		pPKPbc	13:35:13.129						T__					m_e	
GTTG	151.26		PKPdf	13:32:46.806	-0.1	21.4		2.22		TAS					m_e	
GTTG	151.26		PKPbc	13:32:52.182	-0.3	21.4		2.22		TAS					m_e	
GTTG	151.26		PKPab	13:33:02.675	0.2	21.4		2.22		TAS					m_e	
GUNZ	151.85		PKPdf	13:32:47.788	-2.5	21.4		2.22		TAS					m_e	
GUNZ	151.85		PKPbc	13:32:53.719	0.3	21.4		2.22		TAS					m_e	
GUNZ	151.85		PKPab	13:33:05.271	0.3	21.4		2.22		TAS					m_e	

HLG	149.05	PKPbc	13:32:47.927	-0.1	21.4	2.22	TAS	a_e
HLG	149.05	PKPab	13:32:54.823	-0.2	21.4	2.22	TAS	m_e
IBBN	150.90	PKPdf	13:32:47.147	-0.1	21.4	2.22	TAS	m_e
IBBN	150.90	PKPbc	13:32:52.127	0.4	21.4	2.22	TAS	a_e
IBBN	150.90	PKPab	13:33:01.227	-0.1	21.4	2.22	TAS	m_e
KAST	151.87	PKPdf	13:32:48.027	-1.2	21.4	2.22	TAS	m_e
KAST	151.87	PKPbc	13:32:54.385	0.5	21.4	2.22	TAS	m_e
KAST	151.87	PKPab	13:33:05.327	0.2	21.4	2.22	TAS	m_e
MANZ	152.25	PKPdf	13:32:48.313	22.4	21.4	2.22	TAS	m_e
MANZ	152.25	PKPbc	13:32:54.977	0.2	21.4	2.22	TAS	a_e
MANZ	152.25	PKPab	13:33:06.913	-0.3	21.4	2.22	TAS	m_e
MANZ	152.25	pPKPbc	13:35:11.852				T__	m_e
MOX	151.76	PKPdf	13:32:47.509	-1.1	21.4	2.22	TAS	m_e
MOX	151.76	PKPbc	13:32:53.355	-0.3	21.4	2.22	TAS	m_e
MOX	151.76	PKPab	13:33:04.558	0.2	21.4	2.22	TAS	m_e
NEUB	151.21	PKPdf	13:32:46.793	-0.7	21.4	2.22	TAS	m_e
NEUB	151.21	PKPbc	13:32:52.527	-0.4	21.4	2.22	TAS	a_e
NEUB	151.21	PKPab	13:33:02.109	-0.1	21.4	2.22	TAS	m_e
NRDL	150.33	PKPdf	13:32:45.394	-0.6	21.4	2.22	TAS	m_e
NRDL	150.33	PKPbc	13:32:50.677	0.1	21.4	2.22	TAS	a_e
NRDL	150.33	PKPab	13:32:59.187	0.0	21.4	2.22	TAS	m_e
PLN	151.78	PKPdf	13:32:47.565	-1.4	21.4	2.22	TAS	m_e
PLN	151.78	PKPbc	13:32:53.827	-0.6	21.4	2.22	TAS	a_e
PLN	151.78	PKPab	13:33:04.746	0.2	21.4	2.22	TAS	m_e
RETH	150.23	PKPdf	13:32:45.342	-0.6	21.4	2.22	TAS	m_e
RETH	150.23	PKPab	13:32:58.819	0.4	21.4	2.22	TAS	m_e
RGN	147.74	PKPbc	13:32:44.774	0.0	21.4	2.22	TAS	m_e
RJOB	154.11	PKPdf	13:32:50.310		21.4	2.22	TAS	m_e
RJOB	154.11	PKPbc	13:32:58.515	0.1	21.4	2.22	TAS	m_e
RJOB	154.11	PKPab	13:33:14.613	-0.2	21.4	2.22	TAS	m_e
ROTZ	152.43	PKPdf	13:32:48.488	-2.8	21.4	2.22	TAS	m_e
ROTZ	152.43	PKPbc	13:32:55.401	-0.0	21.4	2.22	TAS	m_e
ROTZ	152.43	PKPab	13:33:07.739	0.6	21.4	2.22	TAS	m_e
RUE	149.54	PKPdf	13:32:43.993	-0.6	21.4	2.22	TAS	m_e
RUE	149.54	PKPbc	13:32:48.627	-0.1	21.4	2.22	TAS	a_e
RUE	149.54	PKPab	13:32:55.416	0.3	21.4	2.22	TAS	m_e
STU	154.06	PKPdf	13:32:50.728		21.4	2.22	TAS	m_e
STU	154.06	PKPbc	13:32:59.042	-0.5	21.4	2.22	TAS	m_e
STU	154.06	PKPab	13:33:13.765	-0.0	21.4	2.22	TAS	m_e
TANN	151.77	PKPdf	13:32:47.702	-1.4	21.4	2.22	TAS	m_e
TANN	151.77	PKPbc	13:32:53.411	0.2	21.4	2.22	TAS	m_e
TANN	151.77	PKPab	13:33:04.911	0.0	21.4	2.22	TAS	m_e
TNS	152.81	PKPdf	13:32:48.904		21.4	2.22	TAS	m_e
TNS	152.81	PKPbc	13:32:55.564	-0.2	21.4	2.22	TAS	m_e
TNS	152.81	PKPab	13:33:09.152	0.5	21.4	2.22	TAS	m_e
UBBA	151.94	PKPdf	13:32:48.075	-3.9	21.4	2.22	TAS	m_e
UBBA	151.94	PKPbc	13:32:54.677	0.2	21.4	2.22	TAS	a_e
UBBA	151.94	PKPab	13:33:05.627	0.3	21.4	2.22	TAS	m_e
UBR	154.88	PKPdf	13:32:51.116		21.4	2.22	TAS	m_e

UBR	154.88	PKPbc	13:33:00.327	21.4	2.22	TAS	a_e
UBR	154.88	PKPab	13:33:17.307	21.4	2.22	TAS	m_e
WERD	151.77	PKPdf	13:32:47.686	-0.3 21.4	2.22	TAS	m_e
WERD	151.77	PKPbc	13:32:53.877	0.1 21.4	2.22	TAS	a_e
WERD	151.77	PKPab	13:33:04.906	-0.7 21.4	2.22	TAS	m_e
WERN	151.90	PKPdf	13:32:47.965	-2.3 21.4	2.22	TAS	m_e
WERN	151.90	PKPbc	13:32:54.477	0.6 21.4	2.22	TAS	a_e
WERN	151.90	PKPab	13:33:05.526	0.2 21.4	2.22	TAS	m_e
WLF	153.70	PKPdf	13:32:50.555	21.4	2.22	TAS	m_e
WLF	153.70	PKPbc	13:32:58.681	0.2 21.4	2.22	TAS	m_e
WLF	153.70	PKPab	13:33:13.509	0.0 21.4	2.22	TAS	m_e

Event 70103002 India-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/03	09:09:06.19			24.1500	91.1200				33.0			27		63.62	68.82	m i ke	BGR
70103008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70103008
Ms	5.1		BGR	70103008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.05		P	09:20:02.950		81.6		6.44		TAS		27.1	1.02	m_e mb	5.4
BRG	63.69		P	09:19:34.718	-0.1	81.6		6.44		TAS		37.9	1.25	m_e mb	5.5
BSEG	65.52		P	09:19:46.849	0.5	81.6		6.44		TAS		48.7	0.88	m_e mb	5.7
BUG	67.76		P	09:20:00.723		81.6		6.44		TAS		38.6	1.12	m_e mb	5.5
CLL	64.23		P	09:19:37.640	0.0	81.6		6.44		TAS		31.6	1.18	m_e mb	5.4
CLZ	65.78		P	09:19:48.409	0.1	81.6		6.44		TAS		41.4	0.79	m_e mb	5.7
FLT1	65.18		P	09:19:43.714	-0.1	81.6		6.44		TAS		39.2	1.07	m_e mb	5.6
GEC2	64.10		P	09:19:37.489	-0.7	81.6		6.44		TAS		28.4	0.90	m_e mb	5.5
GOR1	65.05		P	09:19:43.669	-0.7	81.6		6.44		TAS		100.3	1.10	m_e mb	6.0
GRA1	65.58		P	09:19:47.422	0.4	81.6		6.44		TAS		306.1	2.52	m_e mb	6.1
GRA1	65.58		L	09:50:38.594						T__		1727.4	21.30	a_e Ms	5.2
GTTG	66.08		P	09:19:50.250	-0.1	81.6		6.44		TAS		47.9	1.18	m_e mb	5.6
GUNZ	64.77		P	09:19:41.875	0.1	81.6		6.44		TAS		28.1	0.93	m_e mb	5.5
IBBN	67.30		P	09:19:57.892		81.6		6.44		TAS		32.3	0.88	m_e mb	5.6
MANZ	64.97		P	09:19:43.375	-0.0	81.6		6.44		TAS		17.5	1.69	m_e mb	5.0
MOX	65.19		P	09:19:44.373	0.5	81.6		6.44		TAS		19.8	0.99	m_e mb	5.3
MOX	65.19		L	09:51:18.625						T__		1163.3	21.10	a_e Ms	5.1
NEUB	65.01		P	09:19:43.294	0.1	81.6		6.44		TAS		33.6	0.91	m_e mb	5.6
NRDL	65.85		P	09:19:49.039	-0.0	81.6		6.44		TAS		125.2	1.35	m_e mb	6.0
PLN	64.87		P	09:19:42.354	0.5	81.6		6.44		TAS		28.5	1.28	m_e mb	5.3
ROTZ	64.94		P	09:19:43.329	0.3	81.6		6.44		TAS		9.4	0.98	m_e mb	5.0
RUE	63.62		P	09:19:34.078	-0.3	81.6		6.44		TAS		41.8	0.70	m_e mb	5.8
STU	67.05		P	09:19:56.318		81.6		6.44		TAS		66.9	0.78	m_e mb	5.9

TANN	64.68	P	09:19:41.239	-0.2	81.6	6.44	TAS	20.4	1.08	m_e	mb	5.3
TNS	67.25	P	09:19:57.655		81.6	6.44	TAS	27.2	0.78	m_e	mb	5.5
UBR	66.65	P	09:19:53.204	0.0	81.6	6.44	TAS	19.5	0.80	m_e	mb	5.4
WERD	64.78	P	09:19:41.891	-0.0	81.6	6.44	TAS	24.8	0.97	m_e	mb	5.4
WERN	64.76	P	09:19:41.475	0.1	81.6	6.44	TAS	21.3	1.10	m_e	mb	5.3
WLF	68.82	P	09:20:07.890		81.6	6.44	TAS	61.3	0.96	m_e	mb	5.8

Event 70103004 North Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/03	18:52:25.14	0.38	0.86	54.4540	2.0180	5.6	4.4	176	10.0			48	165	3.45	9.18	m i ke	BGR
70103010																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	70103010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	4.99		Pn	18:53:37.849	-0.4					T__				m_e	
ASSE	5.69		Pn	18:53:47.557	-0.2					T__				m_e	
BAVN	4.11		Pn	18:53:26.181	-0.2					T__				m_e	
BBWF	6.37		Sn	18:55:04.221	0.6					T__				m_e	
BBWF	6.37		Pn	18:53:56.851	-0.1					T__				m_e	ML 3.6
BKLB	4.38		Pn	18:53:29.689	-0.4					T__				m_e	
BRG	8.09		Sn	18:55:43.649	0.0					T__				m_e	
BRG	8.09		Pn	18:54:19.848	-0.1					T__				m_e	
BSD	7.49		Sn	18:55:29.744	0.1					T__				m_e	
BSEG	4.90		Sn	18:54:28.152	-1.1					T__				m_e	
BSEG	4.90		Pn	18:53:36.882	-0.2					T__				m_e	ML 4.2
BUG	4.38		Sn	18:54:18.164	1.0					T__				m_e	
BUG	4.38		Pn	18:53:29.482	-0.6					T__				m_e	ML 3.8
BULI	4.37		Pn	18:53:29.605	-0.3					T__				m_e	
CLZ	5.67		Pn	18:53:47.644	0.2					T__				m_e	ML 4.2
CRUX	6.60		Pn	18:53:59.915	-0.0					T__				m_e	
DEEL	4.59		Pn	18:53:33.443	0.6					T__				m_e	
FLT1	5.91		Sn	18:54:51.309	-1.6					T__				m_e	ML 4.1
GEC2	9.18		Pn	18:54:37.560	2.9					T__				m_e	
GOR2	5.68		Pn	18:53:47.416	-0.2					T__				m_e	
GTTG	5.61		Sn	18:54:45.304	-0.6					T__				m_e	
GTTG	5.61		Pn	18:53:46.787	0.1					T__				m_e	ML 4.3
GUNZ	7.52		Pn	18:54:12.876	0.5					T__				m_e	
HLG	3.45		Sn	18:53:53.847	-1.4					T__				m_e	ML 4.6
HROE	6.33		Sn	18:55:02.545	-0.1					T__				m_e	
HROE	6.33		Pn	18:53:56.602	0.2					T__				m_e	ML 4.0
HWTS	6.94		Sn	18:55:18.868	1.9					T__				m_e	
HWTS	6.94		Pn	18:54:05.671	1.1					T__				m_e	ML 4.2
IBBE	4.08		Sn	18:54:08.853	-1.2					T__				m_e	

IBBE	4.08	Pn	18:53:25.843	-0.1	T__	m_e		
IBBN	4.05	Sn	18:54:08.243	-1.2	T__	m_e		
IBBN	4.05	Pn	18:53:25.590	-0.1	T__	m_e ML	4.1	
KAST	5.06	Pn	18:53:38.862	-0.4	T__	m_e ML	3.9	
MEM	4.56	Sn	18:54:20.394	-0.8	T__	m_e		
MEM	4.56	Pn	18:53:31.413	-1.0	T__	m_e		
MILB	6.44	Sn	18:55:07.122	1.9	T__	m_e		
MILB	6.44	Pn	18:53:58.838	1.0	T__	m_e ML	4.4	
MODW	7.26	Pn	18:54:09.200	0.4	T__	m_e		
MOX	6.98	Pn	18:54:06.160	1.0	T__	m_e		
MUD	4.54	Sn	18:54:20.254	-0.6	T__	m_e		
MUD	4.54	Pn	18:53:31.738	-0.5	T__	m_e ML	4.2	
MUHB	6.82	Sn	18:55:13.981	-0.2	T__	m_e		
NRDL	5.22	Pn	18:53:41.552	0.2	T__	m_e		
OPLO	3.68	Pn	18:53:20.192	-0.5	T__	m_e		
PLN	7.36	Pn	18:54:10.431	0.3	T__	m_e		
POSS	6.20	Sn	18:54:59.371	-0.2	T__	m_e		
POSS	6.20	Pn	18:53:54.230	-0.3	T__	m_e ML	4.4	
RETH	4.70	Pn	18:53:34.623	0.2	T__	m_e		
RETHO	4.70	Sn	18:54:26.001	1.4	T__	m_e ML	4.6	
ROHR	7.59	Pn	18:54:13.875	0.6	T__	m_e		
ROTZ	7.83	Pn	18:54:18.142	1.6	T__	m_e		
SCHF	7.37	Pn	18:54:10.904	0.5	T__	m_e		
TNS	5.79	Pn	18:53:49.274	0.3	T__	m_e		
TRIB	7.43	Pn	18:54:11.509	0.4	T__	m_e		
VAL	7.78	Pn	18:54:14.984	-0.9	T__	m_e		
VITZ	6.07	Sn	18:54:56.675	0.1	T__	m_e ML	4.2	
WERD	7.46	Pn	18:54:11.879	0.4	T__	m_e		
WERN	7.59	Pn	18:54:13.732	0.5	T__	m_e		
WIMM	6.44	Pn	18:53:58.534	0.8	T__	m_e		
WLF	5.43	Sn	18:54:40.627	-1.1	T__	m_e		
WLF	5.43	Pn	18:53:42.939	-0.5	T__	m_e ML	3.9	
WTSB	3.80	Sn	18:54:02.048	-1.6	T__	m_e		
WTSB	3.80	Pn	18:53:21.623	-0.7	T__	m_e ML	4.1	

Event 70103006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/03	22:40:12.09			-20.3800	177.1100				33.0			32		145.01	150.80	m i ke	BGR
70103012																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.5		BGR	70103012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.89		PKPbc	22:59:56.276	-0.0	24.5		2.87		TAS					m_e

ASSE	146.59	PKPbc	22:59:49.492	0.0	24.5	2.87	TAS	m_e
BFO	150.68	PKPbc	23:00:00.551		24.5	2.87	TAS	m_e
BRG	146.80	PKPbc	22:59:50.262	0.2	24.5	2.87	TAS	m_e
BSEG	145.01	PKPbc	22:59:44.125	-0.6	24.5	2.87	TAS	m_e
BUG	147.99	PKPbc	22:59:53.452	0.1	24.5	2.87	TAS	m_e
CLL	146.71	PKPbc	22:59:49.786	0.5	24.5	2.87	TAS	m_e
CLZ	146.93	PKPbc	22:59:50.999	0.1	24.5	2.87	TAS	m_e
FLT1	146.27	PKPbc	22:59:48.316	-0.1	24.5	2.87	TAS	m_e
FUR	150.01	PKPbc	22:59:58.891		24.5	2.87	TAS	m_e
GEC2	148.63	PKPbc	22:59:55.512	0.5	24.5	2.87	TAS	m_e
GOR1	145.65	PKPbc	22:59:46.521	-0.3	24.5	2.87	TAS	m_e
GRA1	148.66	PKPbc	22:59:55.994	0.3	24.5	2.87	TAS	m_e
GRA1	148.66	L	23:25:02.937				T__	7245.9 21.30 a_e Ms 6.4
GTTG	147.30	PKPbc	22:59:52.067	0.3	24.5	2.87	TAS	m_e
GUNZ	147.74	PKPbc	22:59:53.304	-0.2	24.5	2.87	TAS	m_e
IBBN	147.07	PKPbc	22:59:51.214	0.5	24.5	2.87	TAS	m_e
KAST	147.98	PKPbc	22:59:53.747	0.3	24.5	2.87	TAS	m_e
MANZ	148.14	PKPbc	22:59:54.099	-0.2	24.5	2.87	TAS	m_e
MOX	147.70	PKPbc	22:59:52.901	0.4	24.5	2.87	TAS	m_e
MOX	147.70	L	23:28:11.537				T__	9904.1 20.90 a_e Ms 6.6
NEUB	147.16	PKPbc	22:59:51.256	0.3	24.5	2.87	TAS	m_e
NRDL	146.39	PKPbc	22:59:48.884	-0.1	24.5	2.87	TAS	m_e
PLN	147.68	PKPbc	22:59:52.975	0.4	24.5	2.87	TAS	m_e
RETH	146.34	PKPbc	22:59:48.572	-0.0	24.5	2.87	TAS	m_e
ROTZ	148.31	PKPbc	22:59:54.796	0.1	24.5	2.87	TAS	m_e
RUE	145.45	PKPbc	22:59:45.697	-0.3	24.5	2.87	TAS	m_e
STU	150.06	PKPbc	22:59:59.411	-1.0	24.5	2.87	TAS	m_e
TANN	147.66	PKPbc	22:59:52.906	0.3	24.5	2.87	TAS	m_e
TNS	148.89	PKPbc	22:59:56.481	-0.6	24.5	2.87	TAS	m_e
UBR	150.80	PKPbc	23:00:00.586		24.5	2.87	TAS	m_e
WERD	147.67	PKPbc	22:59:52.970	0.2	24.5	2.87	TAS	m_e
WERN	147.80	PKPbc	22:59:53.451	0.2	24.5	2.87	TAS	m_e
WLF	149.90	PKPbc	22:59:59.677	-0.7	24.5	2.87	TAS	m_e

Event 70104001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	00:09:41.33			-19.7100	177.1200				10.0			29		145.01	150.17	m i ke	BGR
70104007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.24		PKPbc	00:29:27.133		24.0		2.89		TAS				m_e	
ASSE	145.95		PKPbc	00:29:20.338	-0.1	24.0		2.89		TAS				a_e	
BFO	150.04		PKPbc	00:29:31.738		24.0		2.89		TAS				a_e	

BRG	146.18	PKPbc	00:29:20.988	0.3	24.0	2.89	TAS	a_e
CLL	146.08	PKPbc	00:29:20.438	0.1	24.0	2.89	TAS	a_e
CLZ	146.29	PKPbc	00:29:21.638	0.3	24.0	2.89	TAS	a_e
FLT1	145.63	PKPbc	00:29:18.788	-0.4	24.0	2.89	TAS	a_e
FUR	149.39	PKPbc	00:29:30.238		24.0	2.89	TAS	a_e
GEC2	148.01	PKPbc	00:29:26.338	-0.1	24.0	2.89	TAS	a_e
GOR1	145.01	PKPbc	00:29:17.216	-0.0	24.0	2.89	TAS	m_e
GRA1	148.03	PKPbc	00:29:26.788	-0.5	24.0	2.89	TAS	a_e
GTTG	146.66	PKPbc	00:29:22.738	0.6	24.0	2.89	TAS	a_e
GUNZ	147.11	PKPbc	00:29:24.238	0.1	24.0	2.89	TAS	a_e
IBBN	146.42	PKPbc	00:29:21.738	0.2	24.0	2.89	TAS	a_e
KAST	147.33	PKPbc	00:29:24.657	0.3	24.0	2.89	TAS	m_e
MANZ	147.51	PKPbc	00:29:25.188	0.4	24.0	2.89	TAS	a_e
MOX	147.06	PKPbc	00:29:24.188	0.2	24.0	2.89	TAS	a_e
NEUB	146.52	PKPbc	00:29:22.088	0.2	24.0	2.89	TAS	a_e
NRDL	145.75	PKPbc	00:29:19.538	0.3	24.0	2.89	TAS	a_e
PLN	147.05	PKPbc	00:29:23.860	0.2	24.0	2.89	TAS	m_e
RETH	145.69	PKPbc	00:29:19.284	-0.2	24.0	2.89	TAS	m_e
ROTZ	147.68	PKPbc	00:29:25.597	-0.2	24.0	2.89	TAS	m_e
STU	149.42	PKPbc	00:29:30.288		24.0	2.89	TAS	a_e
TANN	147.03	PKPbc	00:29:23.888	0.4	24.0	2.89	TAS	a_e
TNS	148.25	PKPbc	00:29:27.348	-0.8	24.0	2.89	TAS	m_e
UBR	150.17	PKPbc	00:29:31.838		24.0	2.89	TAS	m_e
WERD	147.04	PKPbc	00:29:23.788	0.2	24.0	2.89	TAS	a_e
WERN	147.17	PKPbc	00:29:24.172	-0.3	24.0	2.89	TAS	m_e
WLF	149.25	PKPbc	00:29:30.438		24.0	2.89	TAS	a_e

Event 70104002 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	03:10:54.97			-17.9210	178.4320				10.0			28		143.58	148.61	m i ke	BGR
70104008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.53		PKPbc	03:30:27.915	-0.1	22.5		2.98		TAS					a_e
BFO	148.61		PKPbc	03:30:39.215		22.5		2.98		TAS					a_e
BRG	144.87		PKPbc	03:30:28.515	0.1	22.5		2.98		TAS					a_e
CLL	144.73		PKPbc	03:30:27.865	-0.2	22.5		2.98		TAS					a_e
CLZ	144.86		PKPbc	03:30:29.165	0.3	22.5		2.98		TAS					a_e
FLT1	144.22		PKPbc	03:30:26.265	-0.9	22.5		2.98		TAS					a_e
FUR	148.07		PKPbc	03:30:37.715		22.5		2.98		TAS					a_e
GEC2	146.76		PKPbc	03:30:35.162	-0.6	22.5		2.98		TAS					m_e
GOR1	143.58		PKPbc	03:30:24.615	-0.3	22.5		2.98		TAS					a_e
GRA1	146.67		PKPbc	03:30:36.068	-1.2	22.5		2.98		TAS					m_e

GTTG	145.22	PKPbc	03:30:30.465	0.3	22.5	2.98	TAS	a_e
GUNZ	145.77	PKPbc	03:30:32.315	0.6	22.5	2.98	TAS	a_e
IBBN	144.91	PKPbc	03:30:29.415	0.3	22.5	2.98	TAS	a_e
KAST	145.86	PKPbc	03:30:32.865	1.5	22.5	2.98	TAS	a_e
MANZ	146.18	PKPbc	03:30:33.715	-1.0	22.5	2.98	TAS	a_e
MOX	145.69	PKPbc	03:30:31.915	0.5	22.5	2.98	TAS	a_e
NEUB	145.15	PKPbc	03:30:29.915	0.3	22.5	2.98	TAS	a_e
NRDL	144.30	PKPbc	03:30:28.421	-0.1	22.5	2.98	TAS	m_e
PLN	145.70	PKPbc	03:30:31.965	1.0	22.5	2.98	TAS	a_e
RETH	144.22	PKPbc	03:30:27.165	-0.8	22.5	2.98	TAS	a_e
ROTZ	146.35	PKPbc	03:30:33.415	-0.1	22.5	2.98	TAS	a_e
STU	148.01	PKPbc	03:30:37.965		22.5	2.98	TAS	a_e
TANN	145.69	PKPbc	03:30:31.965	0.4	22.5	2.98	TAS	a_e
TNS	146.79	PKPbc	03:30:35.855		22.5	2.98	TAS	m_e
UBBA	145.90	PKPbc	03:30:33.315	0.2	22.5	2.98	TAS	a_e
WERD	145.70	PKPbc	03:30:31.965	0.5	22.5	2.98	TAS	m_e
WERN	145.83	PKPbc	03:30:32.615	-0.2	22.5	2.98	TAS	a_e
WLF	147.73	PKPbc	03:30:38.015		22.5	2.98	TAS	a_e

Event 70104003 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	04:01:22.59			-18.4600	177.6320				10.0			32		143.77	149.12	m i ke	BGR
70104009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.12		PKPbc	04:21:04.878	-0.2	24.1		2.93		TAS					a_e
ASSE	144.87		PKPbc	04:20:57.978	0.3	24.1		2.93		TAS					a_e
BFO	148.96		PKPbc	04:21:09.428		24.1		2.93		TAS					a_e
BRG	145.15		PKPbc	04:20:58.628	0.0	24.1		2.93		TAS					m_e
BUG	146.22		PKPbc	04:21:02.228	-0.4	24.1		2.93		TAS					a_e
CLL	145.03		PKPbc	04:20:58.078	-0.2	24.1		2.93		TAS					a_e
CLZ	145.21		PKPbc	04:20:59.278	0.2	24.1		2.93		TAS					a_e
FLT1	144.55		PKPbc	04:20:56.428	-0.1	24.1		2.93		TAS					a_e
FUR	148.36		PKPbc	04:21:07.878	-0.9	24.1		2.93		TAS					a_e
GEC2	147.01		PKPbc	04:21:03.978	0.0	24.1		2.93		TAS					a_e
GOR1	143.93		PKPbc	04:20:54.928	-0.2	24.1		2.93		TAS					a_e
GRA1	146.98		PKPbc	04:21:04.628	0.2	24.1		2.93		TAS					a_e
GTTG	145.57		PKPbc	04:21:00.328	0.3	24.1		2.93		TAS					a_e
GUNZ	146.07		PKPbc	04:21:02.028	0.2	24.1		2.93		TAS					a_e
IBBN	145.30		PKPbc	04:20:59.328	0.5	24.1		2.93		TAS					a_e
KAST	146.23		PKPbc	04:21:02.328	0.2	24.1		2.93		TAS					a_e
MANZ	146.47		PKPbc	04:21:02.928	0.5	24.1		2.93		TAS					a_e
MOX	146.01		PKPbc	04:21:01.728	0.8	24.1		2.93		TAS					a_e

NEUB	145.47	PKPbc	04:20:59.728	0.3	24.1	2.93	TAS	a_e
NRDL	144.66	PKPbc	04:20:57.228	-0.2	24.1	2.93	TAS	a_e
PLN	146.01	PKPbc	04:21:01.628	0.5	24.1	2.93	TAS	a_e
RETH	144.58	PKPbc	04:20:56.978	-0.4	24.1	2.93	TAS	a_e
ROTZ	146.64	PKPbc	04:21:03.378	0.2	24.1	2.93	TAS	a_e
RUE	143.77	PKPbc	04:20:54.028	-0.3	24.1	2.93	TAS	a_e
STU	148.34	PKPbc	04:21:08.028		24.1	2.93	TAS	a_e
TANN	145.99	PKPbc	04:21:01.728	0.4	24.1	2.93	TAS	a_e
TNS	147.15	PKPbc	04:21:05.028	-0.3	24.1	2.93	TAS	a_e
UBBA	146.25	PKPbc	04:21:02.878	0.2	24.1	2.93	TAS	a_e
UBR	149.12	PKPbc	04:21:09.528		24.1	2.93	TAS	a_e
WERD	146.00	PKPbc	04:21:01.628	0.5	24.1	2.93	TAS	a_e
WERN	146.13	PKPbc	04:21:02.178	-0.0	24.1	2.93	TAS	a_e
WLF	148.12	PKPbc	04:21:08.078	-0.6	24.1	2.93	TAS	a_e

Event 70104004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	05:36:06.74			-20.0500	176.6600				10.0			29		145.00	150.35	m i ke	BGR
70104010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.47		PKPbc	05:55:53.354		25.1		2.85		TAS				a_e	
ASSE	146.17		PKPbc	05:55:46.504	0.4	25.1		2.85		TAS				a_e	
BFO	150.25		PKPbc	05:55:57.508		25.1		2.85		TAS				m_e	
BRG	146.35		PKPbc	05:55:47.104	0.2	25.1		2.85		TAS				a_e	
BUG	147.58		PKPbc	05:55:50.804	0.5	25.1		2.85		TAS				a_e	
CLL	146.26		PKPbc	05:55:46.554	0.0	25.1		2.85		TAS				m_e	
CLZ	146.50		PKPbc	05:55:47.854	0.4	25.1		2.85		TAS				a_e	
FLT1	145.84		PKPbc	05:55:44.954	0.0	25.1		2.85		TAS				a_e	
GEC2	148.17		PKPbc	05:55:52.304	-0.0	25.1		2.85		TAS				a_e	
GOR1	145.22		PKPbc	05:55:43.454	-0.2	25.1		2.85		TAS				a_e	
GRA1	148.22		PKPbc	05:55:52.876	-0.6	25.1		2.85		TAS				m_e	
GTTG	146.88		PKPbc	05:55:48.904	0.3	25.1		2.85		TAS				a_e	
GUNZ	147.30		PKPbc	05:55:50.404	0.1	25.1		2.85		TAS				a_e	
IBBN	146.66		PKPbc	05:55:48.054	-0.0	25.1		2.85		TAS				a_e	
KAST	147.56		PKPbc	05:55:50.470	-0.2	25.1		2.85		TAS				m_e	
MANZ	147.70		PKPbc	05:55:50.779	0.2	25.1		2.85		TAS				m_e	
MOX	147.26		PKPbc	05:55:49.542	-0.0	25.1		2.85		TAS				m_e	
NEUB	146.72		PKPbc	05:55:48.254	0.1	25.1		2.85		TAS				a_e	
NRDL	145.97		PKPbc	05:55:45.754	-0.0	25.1		2.85		TAS				a_e	
PLN	147.24		PKPbc	05:55:49.838	0.8	25.1		2.85		TAS				m_e	
RETH	145.92		PKPbc	05:55:45.604	-0.2	25.1		2.85		TAS				a_e	
ROTZ	147.86		PKPbc	05:55:51.610	0.2	25.1		2.85		TAS				m_e	

RUE	145.00	PKPbc	05:55:42.454	-0.2	25.1	2.85	TAS	a_e
STU	149.62	PKPbc	05:55:56.277		25.1	2.85	TAS	m_e
TANN	147.21	PKPbc	05:55:49.503	-0.1	25.1	2.85	TAS	m_e
TNS	148.47	PKPbc	05:55:53.260	-0.8	25.1	2.85	TAS	m_e
UBR	150.35	PKPbc	05:55:57.625		25.1	2.85	TAS	m_e
WERD	147.23	PKPbc	05:55:49.660	0.7	25.1	2.85	TAS	m_e
WERN	147.35	PKPbc	05:55:50.654	-0.1	25.1	2.85	TAS	a_e

Event 70104005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	05:58:42.12			-19.7500	177.8300				10.0			26		145.05	149.42	m i ke	BGR
70104011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.41		PKPbc	06:18:28.733		22.7		2.88		TAS					a_e
ASSE	146.16		PKPbc	06:18:21.883	0.5	22.7		2.88		TAS					a_e
BRG	146.43		PKPbc	06:18:22.483	0.2	22.7		2.88		TAS					m_e
BUG	147.51		PKPbc	06:18:26.383	0.1	22.7		2.88		TAS					a_e
CLL	146.32		PKPbc	06:18:21.933	0.2	22.7		2.88		TAS					a_e
CLZ	146.50		PKPbc	06:18:23.283	0.5	22.7		2.88		TAS					a_e
FLT1	145.84		PKPbc	06:18:20.333	0.0	22.7		2.88		TAS					a_e
GEC2	148.28		PKPbc	06:18:27.683		22.7		2.88		TAS					a_e
GOR1	145.22		PKPbc	06:18:18.833	-0.1	22.7		2.88		TAS					a_e
GRA1	148.26		PKPbc	06:18:28.092		22.7		2.88		TAS					m_e
GTTG	146.87		PKPbc	06:18:24.333	0.7	22.7		2.88		TAS					a_e
GUNZ	147.35		PKPbc	06:18:25.933	-0.1	22.7		2.88		TAS					a_e
IBBN	146.59		PKPbc	06:18:23.433	0.5	22.7		2.88		TAS					a_e
KAST	147.52		PKPbc	06:18:25.688	-0.6	22.7		2.88		TAS					m_e
MOX	147.29		PKPbc	06:18:25.783	-0.0	22.7		2.88		TAS					a_e
NEUB	146.75		PKPbc	06:18:23.783	0.6	22.7		2.88		TAS					a_e
NRDL	145.95		PKPbc	06:18:21.083	-0.3	22.7		2.88		TAS					a_e
PLN	147.29		PKPbc	06:18:25.833	0.1	22.7		2.88		TAS					a_e
RETH	145.88		PKPbc	06:18:21.033	-0.4	22.7		2.88		TAS					a_e
ROTZ	147.92		PKPbc	06:18:26.487	-1.4	22.7		2.88		TAS					m_e
RUE	145.05		PKPbc	06:18:17.833	-0.0	22.7		2.88		TAS					a_e
TANN	147.27		PKPbc	06:18:25.683	0.7	22.7		2.88		TAS					a_e
UBBA	147.53		PKPbc	06:18:25.795	-0.5	22.7		2.88		TAS					m_e
WERD	147.28		PKPbc	06:18:25.683	0.6	22.7		2.88		TAS					a_e
WERN	147.41		PKPbc	06:18:25.624	0.5	22.7		2.88		TAS					m_e
WLF	149.42		PKPbc	06:18:30.008		22.7		2.88		TAS					m_e

Event 70104007 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	15:44:01.39			37.0680	141.1450				50.3	0.8		19		80.85	85.17	m i ke	BGR
OrigID 70104013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70104013
Ms	4.6		BGR	70104013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.17		P	15:56:30.159		38.1		5.19		TAS		14.2	0.78	m_e	mb	5.3
BFO	85.17		pP	15:56:44.883	-0.1					T__					m_e	
BRG	80.91		P	15:56:08.227	-1.1	38.1		5.19		TAS		7.3	0.85	m_e	mb	4.7
CLL	80.96		P	15:56:08.916	0.2	38.1		5.19		TAS		12.0	0.77	m_e	mb	5.0
CLL	80.96		pP	15:56:23.267	-0.1					T__					m_e	
CLZ	81.57		P	15:56:12.503	-0.4	38.1		5.19		TAS		10.6	0.93	m_e	mb	5.0
FLT1	80.85		P	15:56:07.546	0.3	38.1		5.19		TAS		9.7	0.70	m_e	mb	4.9
FUR	84.12		P	15:56:25.088		38.1		5.19		TAS		23.6	0.75	m_e	mb	5.5
GEC2	82.57		P	15:56:16.561		38.1		5.19		TAS		4.8	0.79	m_e	mb	4.8
GRA1	82.93		P	15:56:19.250		38.1		5.19		TAS		15.2	0.82	m_e	mb	5.3
GRA1	82.93		L	16:38:35.313						T__		256.6	18.70	a_e	Ms	4.6
GTTG	81.96		P	15:56:12.715	0.8	38.1		5.19		TAS		7.6	0.85	m_e	mb	4.9
GUNZ	81.96		P	15:56:14.155	-0.4	38.1		5.19		TAS		3.3	0.77	m_e	mb	4.5
IBBN	82.16		P	15:56:15.551		38.1		5.19		TAS		10.4	0.80	m_e	mb	5.0
MOX	82.03		P	15:56:13.738		38.1		5.19		TAS		4.7	0.75	m_e	mb	4.7
MOX	82.03		L	16:33:19.462						T__		250.8	20.00	a_e	Ms	4.6
ROTZ	82.48		P	15:56:16.714		38.1		5.19		TAS		0.9	0.77	m_e	mb	4.1
STU	84.47		P	15:56:26.473		38.1		5.19		TAS		42.3	0.83	m_e	mb	5.7
TANN	81.87		P	15:56:13.224	0.4	38.1		5.19		TAS		2.6	0.78	m_e	mb	4.4
TNS	83.60		P	15:56:21.554		38.1		5.19		TAS		3.8	0.81	m_e	mb	4.7
UBBA	82.52		P	15:56:17.179		38.1		5.19		TAS		2.9	0.70	m_e	mb	4.6
UBR	84.98		P	15:56:30.289		38.1		5.19		TAS		4.5	0.91	m_e	mb	4.7
WERN	82.00		P	15:56:14.235	-0.3	38.1		5.19		TAS		7.6	0.76	m_e	mb	4.9

Event 70104009 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	17:53:24.63			37.5070	141.4020				17.6	0.4		32		79.47	84.89	m i ke	BGR
OrigID 70104015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70104015
Ms	4.8		BGR	70104015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.56		P	18:05:49.737	0.4	37.7		5.22		TAS		80.2	1.38	m_e	mb	5.8
ASSE	80.94		P	18:05:35.959	-0.1	37.7		5.22		TAS		49.5	1.53	m_e	mb	5.3
BFO	84.89		P	18:05:56.512		37.7		5.22		TAS		104.4	1.36	m_e	mb	5.9
BRG	80.64		P	18:05:34.643	-0.2	37.7		5.22		TAS		60.0	1.32	m_e	mb	5.5
BSEG	79.64		P	18:05:29.412	0.2	37.7		5.22		TAS		84.2	1.30	a_e	mb	5.5
CLL	80.68		P	18:05:34.562	-0.2	37.7		5.22		TAS		85.1	1.16	a_e	mb	5.7
CLZ	81.28		P	18:05:38.175	0.0	37.7		5.22		TAS		125.7	1.41	m_e	mb	5.8
CLZ	81.28		pP	18:05:43.381						T__				m_e		
FLT1	80.57		P	18:05:33.712	-0.3	37.7		5.22		TAS		111.2	1.33	a_e	mb	5.7
FUR	83.85		P	18:05:51.562	-0.7	37.7		5.22		TAS		82.6	0.95	a_e	mb	5.9
GEC2	82.31		P	18:05:43.262	0.6	37.7		5.22		TAS		44.8	1.34	a_e	mb	5.4
GOR1	80.02		P	18:05:31.588	-0.5	37.7		5.22		TAS		150.9	1.32	m_e	mb	5.8
GRA1	82.66		P	18:05:45.762	-0.1	37.7		5.22		TAS		173.5	1.42	a_e	mb	6.1
GRA1	82.66		L	18:44:33.212						T__		401.5	18.20	a_e	Ms	4.8
GTTG	81.67		P	18:05:40.162	0.3	37.7		5.22		TAS		87.6	1.37	a_e	mb	5.7
GUNZ	81.69		P	18:05:40.362	-0.2	37.7		5.22		TAS		45.7	1.21	a_e	mb	5.5
IBBN	81.86		P	18:05:40.912	0.4	37.7		5.22		TAS		155.1	1.31	a_e	mb	6.0
IBBN	81.86		pP	18:05:46.091						T__				m_e		
KAST	82.52		P	18:05:44.562	-0.0	37.7		5.22		TAS		31.9	1.18	a_e	mb	5.4
MANZ	82.07		P	18:05:42.203	0.1	37.7		5.22		TAS		10.2	1.34	m_e	mb	4.8
MOX	81.75		P	18:05:40.243	0.1	37.7		5.22		TAS		37.6	1.16	m_e	mb	5.4
MOX	81.75		L	18:44:24.813						T__		435.6	18.40	a_e	Ms	4.8
NEUB	81.26		P	18:05:37.762	-0.1	37.7		5.22		TAS		132.4	1.25	a_e	mb	5.8
NRDL	80.86		P	18:05:35.561	-0.1	37.7		5.22		TAS		58.2	1.50	m_e	mb	5.4
PLN	81.66		P	18:05:40.045	0.2	37.7		5.22		TAS		97.8	1.94	m_e	mb	5.6
PLN	81.66		pP	18:05:45.236						T__				m_e		
RETH	80.94		P	18:05:35.996	0.2	37.7		5.22		TAS		100.5	1.26	m_e	mb	5.7
ROTZ	82.20		P	18:05:43.248	-0.1	37.7		5.22		TAS		24.6	1.45	m_e	mb	5.1
ROTZ	82.20		pP	18:05:48.292						T__				m_e		
RUE	79.47		P	18:05:28.512	0.1	37.7		5.22		TAS		125.4	1.46	a_e	mb	5.7
STU	84.19		P	18:05:53.112	-0.3	37.7		5.22		TAS		274.0	1.46	a_e	mb	6.3
TANN	81.59		P	18:05:39.592	0.1	37.7		5.22		TAS		42.2	1.39	m_e	mb	5.4
TNS	83.31		P	18:05:48.522	-0.1	37.7		5.22		TAS		88.4	1.74	m_e	mb	5.7
UBBA	82.24		P	18:05:43.082	0.1	37.7		5.22		TAS		49.9	1.54	m_e	mb	5.4
UBR	84.71		P	18:05:55.177		37.7		5.22		TAS		38.4	1.31	m_e	mb	5.5
WERD	81.63		P	18:05:39.834	0.2	37.7		5.22		TAS		67.8	1.56	m_e	mb	5.5
WERN	81.73		P	18:05:40.662	-0.1	37.7		5.22		TAS		64.1	1.35	a_e	mb	5.6
WERN	81.73		pP	18:05:45.644						T__				m_e		
WLF	84.62		P	18:05:55.762		37.7		5.22		TAS		190.7	1.85	a_e	mb	6.0

Event 70104010 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/04	20:03:52.34			-19.1800	176.6900				10.0			30		145.01	149.54	m i ke	BGR
70104016																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	147.64		PKPbc	20:23:36.301	-0.7	24.6		2.90		TAS					m_e	
ASSE	145.34		PKPbc	20:23:29.439	-0.1	24.6		2.90		TAS					m_e	
BFO	149.43		PKPbc	20:23:40.888		24.6		2.90		TAS					m_e	
BRG	145.54		PKPbc	20:23:30.209	0.2	24.6		2.90		TAS					m_e	
BUG	146.74		PKPbc	20:23:34.041	0.2	24.6		2.90		TAS					a_e	
CLL	145.45		PKPbc	20:23:29.684	0.5	24.6		2.90		TAS					m_e	
CLZ	145.68		PKPbc	20:23:30.785	0.2	24.6		2.90		TAS					m_e	
FLT1	145.01		PKPbc	20:23:27.991	-0.1	24.6		2.90		TAS					m_e	
FUR	148.76		PKPbc	20:23:39.337		24.6		2.90		TAS					m_e	
GEC2	147.38		PKPbc	20:23:35.618	0.3	24.6		2.90		TAS					m_e	
GRA1	147.41		PKPbc	20:23:35.893	0.2	24.6		2.90		TAS					m_e	
GTTG	146.05		PKPbc	20:23:32.141	0.4	24.6		2.90		TAS					m_e	
GUNZ	146.48		PKPbc	20:23:33.344	0.2	24.6		2.90		TAS					m_e	
IBBN	145.82		PKPbc	20:23:31.006	0.1	24.6		2.90		TAS					m_e	
KAST	146.73		PKPbc	20:23:33.757	0.3	24.6		2.90		TAS					m_e	
MANZ	146.88		PKPbc	20:23:34.363	-0.1	24.6		2.90		TAS					m_e	
MOX	146.44		PKPbc	20:23:32.886	0.2	24.6		2.90		TAS					m_e	
NEUB	145.90		PKPbc	20:23:31.180	0.0	24.6		2.90		TAS					m_e	
NRDL	145.14		PKPbc	20:23:28.460	-0.1	24.6		2.90		TAS					m_e	
PLN	146.43		PKPbc	20:23:32.843	0.1	24.6		2.90		TAS					m_e	
RETH	145.08		PKPbc	20:23:28.538	0.2	24.6		2.90		TAS					m_e	
ROTZ	147.05		PKPbc	20:23:34.920	-0.3	24.6		2.90		TAS					m_e	
STU	148.80		PKPbc	20:23:39.791		24.6		2.90		TAS					a_e	
TANN	146.40		PKPbc	20:23:32.905	0.5	24.6		2.90		TAS					m_e	
TNS	147.64		PKPbc	20:23:36.467	-0.6	24.6		2.90		TAS					m_e	
UBBA	146.71		PKPbc	20:23:34.095	-0.2	24.6		2.90		TAS					m_e	
UBR	149.54		PKPbc	20:23:41.105		24.6		2.90		TAS					m_e	
WERD	146.42		PKPbc	20:23:33.004	0.5	24.6		2.90		TAS					m_e	
WERN	146.54		PKPbc	20:23:33.617	0.3	24.6		2.90		TAS					m_e	
WLF	148.65		PKPbc	20:23:39.717		24.6		2.90		TAS					m_e	

Event 70105005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/05	13:44:57.44			-19.2200	176.4800				33.0			11		145.00	148.65	m i ke	BGR
	70105011																

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	145.52		PKPbc	14:04:31.935	0.1	24.8		2.97		TAS					m_e	
CLL	145.43		PKPbc	14:04:31.481	-0.4	24.8		2.97		TAS					m_e	

FLT1	145.00	PKPbc	14:04:29.971	0.1	24.8		2.97	TAS		m_e
GEC2	147.34	PKPbc	14:04:37.049		24.8		2.97	TAS		m_e
GUNZ	146.46	PKPbc	14:04:34.705		24.8		2.97	TAS		m_e
IBBN	145.82	PKPbc	14:04:32.629		24.8		2.97	TAS		m_e
KAST	146.72	PKPbc	14:04:35.227		24.8		2.97	TAS		m_e
NRDL	145.13	PKPbc	14:04:30.558	0.3	24.8		2.97	TAS		m_e
TANN	146.38	PKPbc	14:04:34.427		24.8		2.97	TAS		m_e
WERN	146.51	PKPbc	14:04:35.075		24.8		2.97	TAS		m_e
WLF	148.65	PKPbc	14:04:41.226		24.8		2.97	TAS		m_e

Event 70105006 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/05	14:04:54.94			36.0600	27.6600				100.0			19		16.38	21.57	m i ke	BGR
70105012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	70105012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.73		P	14:09:27.543		132.2		11.07		TAS		14.3	0.72	m_e mb	4.4
BFO	18.79		P	14:09:07.080	-0.9	132.2		11.07		TAS		20.8	0.72	m_e mb	4.5
BSEG	21.57		P	14:09:36.173		132.2		11.07		TAS		9.4	0.75	m_e mb	4.3
CLL	18.51		P	14:09:03.176	1.6	132.2		11.07		TAS		11.6	0.64	m_e mb	4.3
CLZ	20.01		P	14:09:18.881		132.2		11.07		TAS		5.6	0.67	m_e mb	3.9
FUR	17.10		P	14:08:47.431	-0.4	132.2		11.07		TAS		36.5	0.76	m_e mb	4.6
GEC2	16.38		P	14:08:38.927	-1.0	132.2		11.07		TAS		17.8	1.03	m_e mb	4.1
GTTG	19.99		P	14:09:19.665		132.2		11.07		TAS		17.7	0.81	m_e mb	4.3
GUNZ	18.09		P	14:08:59.024	0.1	132.2		11.07		TAS		10.1	0.64	m_e mb	4.1
MANZ	17.92		P	14:08:56.585	0.3	132.2		11.07		TAS		1.8	0.80	m_e mb	3.3
MOX	18.61		P	14:09:05.105	-0.1	132.2		11.07		TAS		7.8	0.72	m_e mb	4.0
ROTZ	17.72		P	14:08:54.408	-0.4	132.2		11.07		TAS		2.9	0.92	m_e mb	3.4
STU	18.57		P	14:09:03.726	-1.0	132.2		11.07		TAS		32.5	0.69	m_e mb	4.7
TANN	18.07		P	14:08:58.473	0.3	132.2		11.07		TAS		4.6	0.63	m_e mb	3.8
TNS	19.84		P	14:09:17.246		132.2		11.07		TAS		14.4	0.84	m_e mb	4.2
UBR	17.44		P	14:08:51.205	0.5	132.2		11.07		TAS		23.2	0.58	m_e mb	4.5
WERD	18.16		P	14:08:59.604	-0.0	132.2		11.07		TAS		14.5	0.68	m_e mb	4.2
WERN	18.02		P	14:08:58.232	0.1	132.2		11.07		TAS		12.5	0.62	m_e mb	4.2
WLF	20.72		P	14:09:26.842		132.2		11.07		TAS		12.0	0.80	m_e mb	4.3

Event 70106001 Southern Iran

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

2017/01/07 03:13:57.30
70107007

50.4430 -131.5760

14.6

34

71.18 76.83 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70107007
Ms	4.9		BGR	70107007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.40		P	03:25:26.965	0.3	336.5		5.78		TAS		39.3	1.14	m_e	mb	5.4
ASSE	72.92		P	03:25:24.125	-0.3	336.5		5.78		TAS		27.2	1.27	m_e	mb	5.2
BFO	75.75		P	03:25:40.348	-0.1	336.5		5.78		TAS		43.6	1.15	m_e	mb	5.5
BRG	74.88		P	03:25:35.613	-0.2	336.5		5.78		TAS		27.2	1.08	m_e	mb	5.2
BSEG	71.18		P	03:25:13.905	0.1	336.5		5.78		TAS		69.8	1.37	m_e	mb	5.6
BUG	72.64		P	03:25:22.042	-0.0	336.5		5.78		TAS		53.1	1.44	m_e	mb	5.5
CLL	74.25		P	03:25:31.637	0.3	336.5		5.78		TAS		18.4	1.06	m_e	mb	5.0
CLZ	73.10		P	03:25:25.640	0.2	336.5		5.78		TAS		48.5	1.10	m_e	mb	5.5
FBE	74.69		P	03:25:34.667	-0.2	336.5		5.78		TAS		26.0	1.02	m_e	mb	5.2
FLT1	72.87		P	03:25:23.367	0.4	336.5		5.78		TAS		30.6	0.98	m_e	mb	5.4
FUR	76.71		P	03:25:46.090	0.2	336.5		5.78		TAS		36.1	1.33	m_e	mb	5.3
GEC2	76.70		P	03:25:45.902		336.5		5.78		TAS		29.4	1.44	m_e	mb	5.2
GOR1	72.29		P	03:25:20.779	-0.5	336.5		5.78		TAS		63.6	1.17	m_e	mb	5.6
GRA1	75.29		P	03:25:38.138	-0.1	336.5		5.78		TAS		89.1	1.72	m_e	mb	5.5
GRA1	75.29		L	03:59:46.886						T__		650.1	19.90	a_e	Ms	4.9
GTTG	73.27		P	03:25:26.397	0.2	336.5		5.78		TAS		44.2	1.20	m_e	mb	5.5
GUNZ	74.96		P	03:25:35.740	-0.1	336.5		5.78		TAS		16.5	1.25	m_e	mb	4.9
IBBN	72.00		P	03:25:18.886	0.3	336.5		5.78		TAS		68.1	1.17	m_e	mb	5.7
KAST	73.17		P	03:25:25.324	0.1	336.5		5.78		TAS		51.7	1.63	m_e	mb	5.4
MANZ	75.25		P	03:25:37.507	-0.1	336.5		5.78		TAS		4.1	1.19	m_e	mb	4.3
MOX	74.52		P	03:25:33.278	-0.2	336.5		5.78		TAS		20.2	0.86	m_e	mb	5.2
MOX	74.52		L	03:59:28.601						T__		538.8	18.40	a_e	Ms	4.9
NEUB	74.05		P	03:25:30.564	-0.1	336.5		5.78		TAS		24.7	0.95	m_e	mb	5.2
NRDL	72.44		P	03:25:21.348	-0.5	336.5		5.78		TAS		40.0	0.99	m_e	mb	5.5
PLN	74.80		P	03:25:34.793	0.2	336.5		5.78		TAS		13.7	1.16	m_e	mb	4.9
RETH	72.03		P	03:25:19.138	-0.0	336.5		5.78		TAS		56.8	1.08	m_e	mb	5.6
ROTZ	75.47		P	03:25:38.833	-0.1	336.5		5.78		TAS		4.8	1.21	m_e	mb	4.4
RUE	73.35		P	03:25:26.760	0.2	336.5		5.78		TAS		58.9	1.34	m_e	mb	5.5
STU	75.59		P	03:25:39.464	0.0	336.5		5.78		TAS		46.0	1.08	m_e	mb	5.5
TANN	74.94		P	03:25:35.606	0.1	336.5		5.78		TAS		19.5	1.42	m_e	mb	4.9
TANN	74.94		pP	03:25:39.915						T__				m_e		
TNS	74.07		P	03:25:30.690	-0.1	336.5		5.78		TAS		20.9	1.07	m_e	mb	5.1
UBBA	73.94		P	03:25:30.248	-0.1	336.5		5.78		TAS		49.6	1.74	m_e	mb	5.3
UBR	76.83		P	03:25:46.934		336.5		5.78		TAS		35.9	1.33	m_e	mb	5.3
WERD	74.87		P	03:25:35.172	-0.2	336.5		5.78		TAS		13.5	1.37	m_e	mb	4.8
WERN	75.04		P	03:25:36.434	0.3	336.5		5.78		TAS		17.5	1.12	m_e	mb	5.0
WLF	73.92		P	03:25:30.151	-0.1	336.5		5.78		TAS		22.8	1.39	m_e	mb	5.0

./2017/bull1701.txt Thu Apr 23 08:38:25 2020 22

Event 70107002 Hokkaido, Japan, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/07 09:35:07.71 43.6640 144.1280 200.0 78.33 78.33 m i ke BGR
70107008

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 70107008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 78.33 P 09:46:43.916 33.1 4.68 TAS 9.5 0.95 m_e mb 4.9

Event 70108001 Ascension Island region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/08 04:19:36.23 -5.4570 -12.5040 33.0 58.66 58.66 m i ke BGR
70108007

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 70108007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 58.66 P 04:29:32.128 209.1 7.45 TAS 22.7 1.58 m_e mb 5.0

Event 70108002 Eastern New Guinea, Papua New Guinea, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/08 08:52:08.40 -6.1800 147.6000 67.0 14 121.17 125.62 m i ke EMSC
70108034

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
AHRW 124.89 PKPdf 09:11:00.473 55.5 1.90 TAS m_e
ASSE 122.14 PKPdf 09:10:54.977 0.0 55.5 1.90 TAS m_e
BFO 125.62 PKPdf 09:11:01.178 55.5 1.90 TAS m_e
BFO 125.62 pPKPdf 09:11:17.890 55.4 1.86 TAS m_e
BRG 121.17 PKPdf 09:10:53.199 0.0 55.5 1.90 TAS m_e
BRG 121.17 pPKPdf 09:11:09.882 0.0 55.4 1.86 TAS m_e
BSEG 121.21 PKPdf 09:10:53.199 -0.3 55.5 1.90 TAS m_e
BUG 124.22 PKPdf 09:10:58.990 -0.1 55.5 1.90 TAS m_e
CLL 121.43 PKPdf 09:10:53.392 -0.3 55.5 1.90 TAS m_e
CLZ 122.46 PKPdf 09:10:56.030 0.2 55.5 1.90 TAS m_e

CLZ	122.46	pPKPdf	09:11:12.595		55.4	1.86	TAS	m_e
FBE	121.46	PKPdf	09:10:53.843	-0.2	55.5	1.90	TAS	m_e
FLT1	121.74	PKPdf	09:10:53.971	-0.1	55.5	1.90	TAS	m_e
FLT1	121.74	pPKPdf	09:11:10.682	0.2	55.4	1.86	TAS	m_e
FUR	124.12	PKPdf	09:10:58.797	-0.0	55.5	1.90	TAS	m_e
GEC2	122.39	PKPdf	09:10:55.515	-0.1	55.5	1.90	TAS	m_e
GEC2	122.39	pPKPdf	09:11:12.198		55.4	1.86	TAS	m_e
GOR1	121.31	PKPdf	09:10:53.585	0.1	55.5	1.90	TAS	m_e
GRA1	123.28	PKPdf	09:10:57.253	-0.1	55.5	1.90	TAS	m_e
GRA1	123.28	pPKPdf	09:11:14.087		55.4	1.86	TAS	m_e
GTTG	122.84	PKPdf	09:10:56.609	0.1	55.5	1.90	TAS	m_e
GUNZ	122.31	PKPdf	09:10:55.515	0.0	55.5	1.90	TAS	m_e
GUNZ	122.31	pPKPdf	09:11:12.133		55.4	1.86	TAS	m_e
IBBN	123.44	PKPdf	09:10:57.574	0.2	55.5	1.90	TAS	m_e
KAST	123.82	PKPdf	09:10:58.347	0.2	55.5	1.90	TAS	m_e
KAST	123.82	pPKPdf	09:11:15.091		55.4	1.86	TAS	m_e
MANZ	122.64	PKPdf	09:10:56.159	0.1	55.5	1.90	TAS	m_e
MANZ	122.64	pPKPdf	09:11:12.694		55.4	1.86	TAS	m_e
MOX	122.53	PKPdf	09:10:55.644	0.2	55.5	1.90	TAS	m_e
MOX	122.53	pPKPdf	09:11:12.303		55.4	1.86	TAS	m_e
NEUB	122.13	PKPdf	09:10:54.809	0.0	55.5	1.90	TAS	m_e
NRDL	122.19	PKPdf	09:10:55.233	0.2	55.5	1.90	TAS	m_e
NRDL	122.19	pPKPdf	09:11:11.950	0.2	55.4	1.86	TAS	m_e
PLN	122.33	PKPdf	09:10:55.387	0.3	55.5	1.90	TAS	m_e
RETH	122.40	PKPdf	09:10:55.773	0.2	55.5	1.90	TAS	m_e
STU	124.90	PKPdf	09:11:00.213		55.5	1.90	TAS	m_e
TANN	122.21	PKPdf	09:10:55.194	0.1	55.5	1.90	TAS	m_e
TANN	122.21	pPKPdf	09:11:11.827	0.1	55.4	1.86	TAS	m_e
TNS	124.41	PKPdf	09:10:59.505	-0.4	55.5	1.90	TAS	m_e
UBBA	123.26	PKPdf	09:10:57.366	0.0	55.5	1.90	TAS	m_e
UBR	125.04	PKPdf	09:11:00.406		55.5	1.90	TAS	m_e
UBR	125.04	pPKPdf	09:11:17.182		55.4	1.86	TAS	m_e
WERD	122.28	PKPdf	09:10:55.129	0.0	55.5	1.90	TAS	m_e
WERD	122.28	pPKPdf	09:11:12.009	-0.3	55.4	1.86	TAS	m_e
WERN	122.33	PKPdf	09:10:55.451	0.1	55.5	1.90	TAS	m_e

Event 70108004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/08	20:24:21.40			-17.6000	-178.5100				542.0			26		144.40	149.18	m i k e	EMSC
	70108036																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.79		PKPbc	20:42:58.516	0.1	17.2		2.81		TAS					m_e

BFO	148.84	PKPbc	20:43:09.585		17.2	2.81	TAS	m_e
BRG	145.34	PKPbc	20:43:00.240	0.3	17.2	2.81	TAS	m_e
CLL	145.14	PKPbc	20:42:59.477	0.0	17.2	2.81	TAS	m_e
CLZ	145.12	PKPbc	20:42:59.646	0.3	17.2	2.81	TAS	m_e
FBE	145.43	PKPbc	20:43:00.847	0.1	17.2	2.81	TAS	m_e
FLT1	144.50	PKPbc	20:42:57.156	0.0	17.2	2.81	TAS	m_e
FUR	148.49	PKPbc	20:43:08.844		17.2	2.81	TAS	m_e
GEC2	147.29	PKPbc	20:43:05.746		17.2	2.81	TAS	m_e
GRA1	147.04	PKPbc	20:43:05.299		17.2	2.81	TAS	m_e
GTTG	145.47	PKPbc	20:43:00.642	-0.1	17.2	2.81	TAS	m_e
IBBN	145.02	PKPbc	20:42:59.312	-0.2	17.2	2.81	TAS	m_e
KAST	146.02	PKPbc	20:43:02.121	0.1	17.2	2.81	TAS	m_e
MANZ	146.58	PKPbc	20:43:03.939		17.2	2.81	TAS	m_e
MOX	146.05	PKPbc	20:43:02.212	0.5	17.2	2.81	TAS	m_e
NEUB	145.50	PKPbc	20:43:00.638	0.2	17.2	2.81	TAS	m_e
NRDL	144.53	PKPbc	20:42:57.587	0.2	17.2	2.81	TAS	m_e
PLN	146.09	PKPbc	20:43:02.330	-0.1	17.2	2.81	TAS	m_e
RETH	144.40	PKPbc	20:42:57.189	-0.1	17.2	2.81	TAS	m_e
ROTZ	146.77	PKPbc	20:43:04.452		17.2	2.81	TAS	m_e
STU	148.28	PKPbc	20:43:08.432		17.2	2.81	TAS	m_e
TANN	146.10	PKPbc	20:43:02.496	-0.4	17.2	2.81	TAS	m_e
TNS	146.98	PKPbc	20:43:04.881	-0.5	17.2	2.81	TAS	m_e
UBR	149.18	PKPbc	20:43:10.442		17.2	2.81	TAS	m_e
WERD	146.10	PKPbc	20:43:02.462	0.0	17.2	2.81	TAS	m_e
WLF	147.79	PKPbc	20:43:07.669		17.2	2.81	TAS	m_e

Event 70108006 Queen Elizabeth Islands, Canada

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/08	23:47:18.20			74.7900	-89.7500				15.7	0.9		34		41.36	47.12	m i ke	BGR
70108012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70108012
MBB	5.7		BGR	70108012
Ms	5.8		BGR	70108012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	43.73		P	23:55:21.942	0.3	338.7		8.01		TAS		143.1	1.01	m_e	MBB 5.6
ASSE	43.11		P	23:55:17.054	0.3	338.7		8.01		TAS		60.0	1.22	m_e	MBB 5.6
BFO	46.09		P	23:55:40.706	0.3	338.7		8.01		TAS		97.8	1.17	m_e	MBB 5.9
BFO	46.09		pP	23:55:45.130		339.6		8.00		TAS					m_e
BRG	45.04		P	23:55:32.199	-0.2	338.7		8.01		TAS		57.1	1.03	m_e	MBB 5.6
BRG	45.04		pP	23:55:36.292		339.6		8.00		TAS					m_e
BSEG	41.36		P	23:55:02.955	0.8	338.7		8.01		TAS		142.4	1.31	m_e	mb 5.5
BUG	42.94		P	23:55:15.215	-0.7	338.7		8.01		TAS		72.4	1.15	m_e	MBB 5.5

CLL	44.42	P	23:55:27.094	-0.1	338.7	8.01	TAS	98.3	1.04	m_e	MBB	5.6
CLZ	43.31	P	23:55:19.181	-0.0	338.7	8.01	TAS	143.5	1.17	m_e	MBB	5.8
FBE	44.86	P	23:55:30.922	-0.0	338.7	8.01	TAS	80.3	1.06	m_e	MBB	5.7
FBE	44.86	pP	23:55:35.093		339.6	8.00	TAS			m_e		
FLT1	43.06	P	23:55:16.119	-0.2	338.7	8.01	TAS	72.7	1.06	m_e	MBB	5.6
FUR	46.95	P	23:55:47.912	0.2	338.7	8.01	TAS	198.3	1.01	m_e	MBB	6.3
GEC2	46.88	P	23:55:47.609	-0.1	338.7	8.01	TAS	96.8	1.21	m_e	MBB	5.9
GEC2	46.88	pP	23:55:51.576		339.6	8.00	TAS			m_e		
GOR1	42.46	P	23:55:12.238	-0.2	338.7	8.01	TAS	58.5	0.99	m_e	MBB	6.0
GRA1	45.51	P	23:55:36.708	0.1	338.7	8.01	TAS	116.3	0.94	m_e	mb	5.9
GRA1	45.51	L	00:15:45.766				T__	11277.6	19.00	a_e	Ms	5.8
GTTG	43.49	P	23:55:20.713	0.4	338.7	8.01	TAS	397.6	1.05	m_e	MBB	6.1
IBBN	42.26	P	23:55:10.078	0.3	338.7	8.01	TAS	94.1	1.08	m_e	MBB	5.8
KAST	43.44	P	23:55:19.765	0.4	338.7	8.01	TAS	113.8	1.14	m_e	MBB	5.7
MANZ	45.44	P	23:55:35.602	0.2	338.7	8.01	TAS	15.6	0.99	m_e	MBB	5.0
MANZ	45.44	pP	23:55:39.828		339.6	8.00	TAS			m_e		
MOX	44.71	P	23:55:29.936	-0.1	338.7	8.01	TAS	45.8	1.14	m_e	MBB	5.7
MOX	44.71	pP	23:55:34.125		339.6	8.00	TAS			m_e		
MOX	44.71	L	00:14:42.338				T__	12158.3	20.20	a_e	Ms	5.8
NEUB	44.24	P	23:55:25.988	0.6	338.7	8.01	TAS	112.6	1.09	m_e	MBB	5.7
NRDL	42.64	P	23:55:13.311	-0.5	338.7	8.01	TAS	80.3	1.13	m_e	MBB	5.6
PLN	44.99	P	23:55:32.199	-0.2	338.7	8.01	TAS	93.1	1.05	m_e	MBB	5.8
PLN	44.99	pP	23:55:36.292		339.6	8.00	TAS			m_e		
RETH	42.24	P	23:55:10.309	-0.3	338.7	8.01	TAS	74.5	1.17	m_e	MBB	5.6
RGN	41.49	P	23:55:04.378	0.0	338.7	8.01	TAS	288.5	1.23	m_e	MBB	6.1
ROTZ	45.67	P	23:55:37.814	-0.1	338.7	8.01	TAS	39.8	1.11	m_e	MBB	5.4
ROTZ	45.67	pP	23:55:41.828		339.6	8.00	TAS			m_e		
RUE	43.51	P	23:55:20.364	0.1	338.7	8.01	TAS	144.5	1.10	m_e	mb	5.6
STU	45.88	P	23:55:39.260	-0.1	338.7	8.01	TAS	260.9	1.12	m_e	MBB	6.4
STU	45.88	pP	23:55:43.605		339.6	8.00	TAS			m_e		
TANN	45.12	P	23:55:33.305	0.0	338.7	8.01	TAS	69.3	1.01	m_e	MBB	5.7
TANN	45.12	pP	23:55:37.538		339.6	8.00	TAS			m_e		
TNS	44.35	P	23:55:27.179	-0.4	338.7	8.01	TAS	128.6	1.15	m_e	MBB	5.6
UBBA	44.17	P	23:55:26.037	-0.2	338.7	8.01	TAS	44.8	1.00	m_e	mb	5.2
UBR	47.12	P	23:55:49.423		338.7	8.01	TAS	119.6	0.99	m_e	mb	6.0
WERD	45.06	P	23:55:32.624	-0.0	338.7	8.01	TAS	57.4	0.99	m_e	MBB	5.5
WERD	45.06	pP	23:55:36.906		339.6	8.00	TAS			m_e		
WERN	45.22	P	23:55:34.155	-0.3	338.7	8.01	TAS	86.4	1.10	m_e	MBB	5.7
WERN	45.22	pP	23:55:38.323		339.6	8.00	TAS			m_e		
WLF	44.32	P	23:55:26.839	0.1	338.7	8.01	TAS	120.3	1.19	m_e	MBB	5.5
WLF	44.32	pP	23:55:31.026		339.6	8.00	TAS			m_e		

Event 70109001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	00:37:05.22			-22.2300	-179.0100				590.1			31		147.56	153.57	m i ke	BGR

70109007

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	149.23		PKPbc	00:55:47.781	-0.1	17.8		2.26		TAS					a_e	
BFO	153.30		PKPbc	00:55:56.758		17.8		2.26		TAS					m_e	
BFO	153.30		PKPab	00:56:11.547		17.4		4.31		TAS					m_e	
BRG	149.67		PKPbc	00:55:48.931	-0.2	17.8		2.26		TAS					a_e	
BRG	149.67		PKPab	00:55:56.487	0.1	17.4		4.31		TAS					m_e	
BSEG	147.56		PKPbc	00:55:43.581	-0.1	17.8		2.26		TAS					a_e	
BUG	150.44		PKPbc	00:55:50.431	0.1	17.8		2.26		TAS					a_e	
CLL	149.51		PKPbc	00:55:48.331	0.1	17.8		2.26		TAS					a_e	
CLL	149.51		PKPab	00:55:55.549	0.5	17.4		4.31		TAS					m_e	
CLZ	149.56		PKPbc	00:55:48.831	0.1	17.8		2.26		TAS					a_e	
FBE	149.78		PKPbc	00:55:49.431	0.1	17.8		2.26		TAS					a_e	
FLT1	148.93		PKPbc	00:55:46.781	0.3	17.8		2.26		TAS					a_e	
FLT1	148.93		PKPab	00:55:52.876	0.1	17.4		4.31		TAS					m_e	
FUR	152.84		PKPbc	00:55:55.847		17.8		2.26		TAS					m_e	
FUR	152.84		PKPab	00:56:10.244		17.4		4.31		TAS					m_e	
GEC2	151.58		PKPbc	00:55:53.131	-0.5	17.8		2.26		TAS					a_e	
GRA1	151.43		PKPbc	00:55:53.026	-0.2	17.8		2.26		TAS					m_e	
GRA1	151.43		PKPab	00:56:04.322		17.4		4.31		TAS					m_e	
GRA1	151.43		pPKPbc	00:58:08.499						T__					m_e	
GTTG	149.92		PKPbc	00:55:49.481	0.1	17.8		2.26		TAS					a_e	
GUNZ	150.54		PKPbc	00:55:51.081	-0.0	17.8		2.26		TAS					a_e	
GUNZ	150.54		PKPab	00:56:00.088		17.4		4.31		TAS					m_e	
IBBN	149.52		PKPbc	00:55:48.531	0.2	17.8		2.26		TAS					a_e	
KAST	150.51		PKPbc	00:55:50.781	0.1	17.8		2.26		TAS					a_e	
MANZ	150.95		PKPbc	00:55:51.931	-0.3	17.8		2.26		TAS					a_e	
MANZ	150.95		PKPab	00:56:01.838		17.4		4.31		TAS					m_e	
MOX	150.44		PKPbc	00:55:50.631	0.2	17.8		2.26		TAS					m_e	
MOX	150.44		PKPab	00:55:59.538		17.4		4.31		TAS					m_e	
NEUB	149.89		PKPbc	00:55:49.381	0.1	17.8		2.26		TAS					a_e	
NEUB	149.89		PKPab	00:55:57.241	-0.3	17.4		4.31		TAS					m_e	
NRDL	148.98		PKPbc	00:55:47.181	-0.2	17.8		2.26		TAS					a_e	
NRDL	148.98		PKPab	00:55:53.297	-0.1	17.4		4.31		TAS					m_e	
PLN	150.47		PKPbc	00:55:50.731	0.2	17.8		2.26		TAS					a_e	
RETH	148.87		PKPbc	00:55:46.881	-0.0	17.8		2.26		TAS					a_e	
ROTZ	151.13		PKPbc	00:55:52.181	0.3	17.8		2.26		TAS					a_e	
STU	152.72		PKPbc	00:55:55.814		17.8		2.26		TAS					m_e	
STU	152.72		PKPab	00:56:09.152		17.4		4.31		TAS					m_e	
TANN	150.46		PKPbc	00:55:50.781	0.3	17.8		2.26		TAS					a_e	
TNS	151.45		PKPbc	00:55:52.931	-0.2	17.8		2.26		TAS					a_e	
TNS	151.45		PKPab	00:56:03.841		17.4		4.31		TAS					m_e	
UBBA	150.61		PKPbc	00:55:51.126	0.1	17.8		2.26		TAS					m_e	
UBR	153.57		PKPdf	00:55:49.570						T__					m_e	
UBR	153.57		PKPbc	00:55:57.172		17.8		2.26		TAS					m_e	
WERD	150.47		PKPbc	00:55:50.781	0.2	17.8		2.26		TAS					a_e	

WERD	150.47	PKPab	00:55:59.890	17.4	4.31	TAS	m_e
WERN	150.60	PKPbc	00:55:51.305	0.2 17.8	2.26	TAS	m_e
WERN	150.60	PKPab	00:56:00.718	17.4	4.31	TAS	m_e
WLF	152.32	PKPbc	00:55:55.162	17.8	2.26	TAS	m_e
WLF	152.32	PKPab	00:56:07.892	17.4	4.31	TAS	m_e

Event 70109002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	03:14:27.50			-15.3200	-174.8000				259.0					145.37	145.37	m i ke	EMSC
OrigID 70109034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.37		PKPbc	03:33:36.096		10.3		3.16		TAS					m_e

Event 70109003 Southeastern Uzbekistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	05:59:42.11			39.5130	65.3430				33.0					39.08	39.08	m i ke	BGR
OrigID 70109009																	

Magnitude Err Nsta Author OrigID

mb	4.6		BGR	70109009
Ms	4.0		BGR	70109009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	39.08		P	06:07:05.318		94.6		7.66		TAS		19.6	1.26	m_e mb	4.6
GRA1	39.08		L	06:25:40.454						T__		267.6	21.50	a_e Ms	4.0

Event 70109005 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	09:53:12.68	0.82	1.46	38.0300	22.1690	54.5	15.6	58	10.0				12 346	10.18	14.40	m i ke	BGR
OrigID 70109011																	

Magnitude Err Nsta Author OrigID

Ms	4.1		BGR	70109011
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	10.43		Pn	09:55:40.666	0.0					T__				m_e	
BFO	14.40		Pn	09:56:32.469	-1.8					T__				m_e	
DAVA	12.92		Sn	09:58:29.492	-2.2					T__				m_e	
DAVA	12.92		Pn	09:56:16.232	1.9					T__				m_e	
GEC2	12.43		Sn	09:58:19.224	-0.7					T__				m_e	
GEC2	12.43		L	10:01:42.438						T__		2123.1	18.55	a_e Ms	4.2
GEC2	12.43		Pn	09:56:07.805	0.1					T__		20.8	1.08	m_e	
GRA1	14.06		L	10:02:59.729						T__		1713.8	19.60	a_e Ms	4.1
KBA	11.13		Sn	09:57:49.198	0.0					T__				m_e	
KBA	11.13		Pn	09:55:49.746	-0.4					T__				m_e	
MOA	11.39		Sn	09:57:58.227	3.0					T__				m_e	
MOA	11.39		Pn	09:55:53.177	-0.4					T__				m_e	
OBKA	10.18		Sn	09:57:24.446	-2.0					T__				m_e	
OBKA	10.18		L	09:59:57.345						T__		2043.3	19.55	a_e Ms	4.0
OBKA	10.18		Pn	09:55:36.096	-1.2					T__				m_e	
PART	12.46		Pn	09:56:08.372	0.3					T__				m_e	
RJOB	11.88		Sn	09:58:06.629	-0.3					T__				m_e	
RJOB	11.88		Pn	09:55:59.268	-1.0					T__				m_e	
UBR	13.07		Pn	09:56:18.541	2.2					T__				m_e	
WTTA	12.04		Sn	09:58:10.035	-0.8					T__				m_e	
WTTA	12.04		Pn	09:56:02.006	-0.4					T__				m_e	
ZUGS	12.46		Sn	09:58:23.800	3.0					T__				m_e	
ZUGS	12.46		Pn	09:56:08.804	0.7					T__				m_e	

Event 70109006 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	11:28:24.40			-4.0900	101.7700				45.7	0.6		31		91.77	96.74	m i ke	BGR
70109012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70109012
Ms	4.6		BGR	70109012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	93.87		P	11:41:36.642	0.2	92.1		4.57		TAS		47.1	1.60	m_e mb	5.6
ASSE	93.87		pP	11:41:50.087	0.4	91.6		4.55		TAS				m_e	
BFO	95.32		P	11:41:43.155		92.1		4.57		TAS		12.3	1.00	m_e mb	5.3
BFO	95.32		pP	11:41:56.546		91.6		4.55		TAS				m_e	
BRG	91.77		P	11:41:27.321	0.1	92.1		4.57		TAS		64.4	1.44	m_e mb	5.8
BRG	91.77		pP	11:41:40.542	-0.1	91.6		4.55		TAS				m_e	
BSEG	94.13		P	11:41:37.995	-0.3	92.1		4.57		TAS		29.9	1.15	m_e mb	5.5
BSEG	94.13		pP	11:41:51.437	-0.3	91.6		4.55		TAS				m_e	
CLL	92.39		P	11:41:29.651	0.2	92.1		4.57		TAS		29.3	1.08	m_e mb	5.5
CLL	92.39		pP	11:41:43.029	0.1	91.6		4.55		TAS				m_e	

CLZ	94.05	P	11:41:37.694	0.1	92.1	4.57	TAS	55.7	1.61	m_e	mb	5.6
CLZ	94.05	pP	11:41:51.200	0.2	91.6	4.55	TAS			m_e		
FBE	92.14	P	11:41:29.125	0.1	92.1	4.57	TAS	95.5	1.61	m_e	mb	5.9
FBE	92.14	pP	11:41:42.435	0.1	91.6	4.55	TAS			m_e		
FLT1	93.53	pP	11:41:47.987	-0.2	91.6	4.55	TAS			m_e		
FUR	93.35	P	11:41:34.237	-0.2	92.1	4.57	TAS	25.6	0.97	m_e	mb	5.6
GEC2	91.78	P	11:41:27.246	-0.1	92.1	4.57	TAS	74.9	1.62	m_e	mb	5.8
GEC2	91.78	pP	11:41:40.698	-0.1	91.6	4.55	TAS			m_e		
GRA1	93.44	P	11:41:35.214	-0.0	92.1	4.57	TAS	42.9	1.22	m_e	mb	5.7
GRA1	93.44	pP	11:41:48.669	0.2	91.6	4.55	TAS			m_e		
GRA1	93.44	L	12:27:43.595				T__	214.5	22.00	a_e	Ms	4.6
GTTG	94.30	P	11:41:38.897	-0.1	92.1	4.57	TAS	49.0	1.41	m_e	mb	5.6
GTTG	94.30	pP	11:41:52.320	-0.4	91.6	4.55	TAS			m_e		
GUNZ	92.76	P	11:41:31.906	0.3	92.1	4.57	TAS	22.8	1.22	m_e	mb	5.5
GUNZ	92.76	pP	11:41:45.248	0.3	91.6	4.55	TAS			m_e		
HLG	95.57	P	11:41:44.684		92.1	4.57	TAS	257.3	0.97	m_e	mb	6.7
IBBN	95.67	P	11:41:45.188		92.1	4.57	TAS	31.5	1.22	m_e	mb	5.7
KAST	95.27	P	11:41:43.182	0.2	92.1	4.57	TAS	29.1	1.36	m_e	mb	5.5
KAST	95.27	pP	11:41:56.649		91.6	4.55	TAS			m_e		
MANZ	92.88	P	11:41:32.884	-0.0	92.1	4.57	TAS	12.7	1.27	m_e	mb	5.2
MANZ	92.88	pP	11:41:46.265	0.0	91.6	4.55	TAS			m_e		
MOX	93.23	P	11:41:33.936	0.3	92.1	4.57	TAS	47.3	1.70	m_e	mb	5.6
MOX	93.23	pP	11:41:47.332	-0.7	91.6	4.55	TAS			m_e		
MOX	93.23	L	12:25:53.295				T__	238.2	20.30	a_e	Ms	4.6
NEUB	93.16	P	11:41:33.485	-0.3	92.1	4.57	TAS	37.6	0.92	m_e	mb	5.8
NEUB	93.16	pP	11:41:46.871	0.3	91.6	4.55	TAS			m_e		
NRDL	94.23	P	11:41:38.747	0.2	92.1	4.57	TAS	32.4	1.40	m_e	mb	5.5
NRDL	94.23	pP	11:41:52.162	0.1	91.6	4.55	TAS			m_e		
PLN	92.88	P	11:41:32.282	-0.1	92.1	4.57	TAS	46.5	1.62	m_e	mb	5.7
PLN	92.88	pP	11:41:45.703	-0.1	91.6	4.55	TAS			m_e		
RETH	94.69	P	11:41:40.325	-0.4	92.1	4.57	TAS	22.2	1.42	m_e	mb	5.4
RETH	94.69	pP	11:41:53.582		91.6	4.55	TAS			m_e		
ROTZ	92.81	P	11:41:32.357	0.5	92.1	4.57	TAS	4.8	1.10	m_e	mb	4.8
ROTZ	92.81	pP	11:41:45.774	0.5	91.6	4.55	TAS			m_e		
RUE	91.99	P	11:41:28.223	-0.0	92.1	4.57	TAS	148.8	1.19	m_e	mb	6.2
RUE	91.99	pP	11:41:41.646	0.1	91.6	4.55	TAS			m_e		
STU	94.75	P	11:41:40.809	0.0	92.1	4.57	TAS	33.4	0.73	m_e	mb	5.9
TANN	92.68	P	11:41:31.455	0.1	92.1	4.57	TAS	25.4	1.38	m_e	mb	5.5
TANN	92.68	pP	11:41:44.871	0.1	91.6	4.55	TAS			m_e		
TNS	95.25	P	11:41:43.407	0.1	92.1	4.57	TAS	111.8	2.17	m_e	mb	5.9
TNS	95.25	pP	11:41:56.790		91.6	4.55	TAS			m_e		
UBR	94.12	P	11:41:37.863	-0.1	92.1	4.57	TAS	16.8	0.79	m_e	mb	5.4
UBR	94.12	pP	11:41:51.308	0.3	91.6	4.55	TAS			m_e		
WERD	92.78	P	11:41:31.756	-0.1	92.1	4.57	TAS	22.0	1.03	m_e	mb	5.5
WERD	92.78	pP	11:41:45.178	-0.0	91.6	4.55	TAS			m_e		
WERN	92.73	P	11:41:31.831	-0.1	92.1	4.57	TAS	21.1	1.18	m_e	mb	5.5
WERN	92.73	pP	11:41:45.165	-0.1	91.6	4.55	TAS			m_e		
WLF	96.74	P	11:41:50.193		92.1	4.57	TAS	13.9	1.09	m_e	mb	5.5

Event 70109009 Northwest Territories, Canada

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	17:55:30.76			72.1690	-92.7710				31.1					47.54	47.54	m i ke	BGR
OrigID 70109015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70109015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	47.54		P	18:04:01.695		337.8		7.46		TAS		25.2	0.91	m_e mb	5.3
GRA1	47.54		pP	18:04:10.097						T__				m_e	

Event 70109010 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/09	19:20:09.40			54.7240	-170.6230				33.0				25	72.91	77.48	m i ke	BGR
OrigID 70109016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70109016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.51		P	19:31:36.790	-0.3	1.1		5.73		TAS		25.5	1.36	m_e mb	5.1
BRG	74.71		P	19:31:43.530	-0.1	1.1		5.73		TAS		25.4	1.15	m_e mb	5.1
BUG	74.19		P	19:31:40.370		1.1		5.73		TAS		14.8	0.96	m_e mb	5.0
CLL	74.30		P	19:31:41.041	-0.3	1.1		5.73		TAS		15.1	0.69	m_e mb	5.1
CLZ	73.80		P	19:31:38.934	-0.1	1.1		5.73		TAS		14.5	0.76	m_e mb	5.1
FBE	74.67		P	19:31:43.647	0.2	1.1		5.73		TAS		26.4	0.76	m_e mb	5.3
FLT1	73.30		P	19:31:35.152	0.1	1.1		5.73		TAS		24.0	1.17	m_e mb	5.2
FUR	77.48		P	19:31:59.421	-0.1	1.1		5.73		TAS		124.8	1.64	m_e mb	5.8
GEC2	76.74		P	19:31:55.227	-0.1	1.1		5.73		TAS		27.4	1.57	m_e mb	5.1
GRA1	75.95		P	19:31:51.238	0.4	1.1		5.73		TAS		73.3	1.49	m_e mb	5.6
GTTG	74.10		P	19:31:40.562	0.4	1.1		5.73		TAS		18.8	0.78	m_e mb	5.2
GUNZ	75.26		P	19:31:47.025	0.2	1.1		5.73		TAS		20.4	1.38	m_e mb	5.0
IBBN	73.33		P	19:31:35.822		1.1		5.73		TAS		27.8	0.70	m_e mb	5.5
KAST	74.44		P	19:31:42.090	-0.5	1.1		5.73		TAS		33.9	1.57	m_e mb	5.1
MANZ	75.64		P	19:31:48.988	-0.0	1.1		5.73		TAS		6.5	1.66	m_e mb	4.5
MOX	74.99		P	19:31:45.349	0.1	1.1		5.73		TAS		32.7	1.26	m_e mb	5.2
NEUB	74.43		P	19:31:41.801	-0.3	1.1		5.73		TAS		44.5	1.38	m_e mb	5.3
RETH	72.91		P	19:31:33.476		1.1		5.73		TAS		17.0	0.87	m_e mb	5.2
ROTZ	75.86		P	19:31:50.376	0.1	1.1		5.73		TAS		9.6	1.56	m_e mb	4.7
STU	76.88		P	19:31:55.778	-0.3	1.1		5.73		TAS		62.8	0.94	m_e mb	5.7

TANN	75.20	P	19:31:46.498	-0.0	1.1	5.73	TAS	53.1	1.98	m_e	mb	5.2
TNS	75.42	P	19:31:47.691	-0.1	1.1	5.73	TAS	9.8	0.73	m_e	mb	4.9
WERD	75.17	P	19:31:46.355	0.0	1.1	5.73	TAS	32.0	1.92	m_e	mb	5.0
WERN	75.33	P	19:31:47.600	0.3	1.1	5.73	TAS	31.8	1.32	m_e	mb	5.2
WLF	75.95	P	19:31:50.853		1.1	5.73	TAS	57.8	1.83	m_e	mb	5.4

Event 70110001 Celebes Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/10	06:13:47.90			4.4800	122.5900				630.0	2.8		13		97.39	103.27	m i ke	EMSC
70110033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	99.69		Pdiff	06:26:26.052	0.0	71.8		4.50		TAS				m_e	
ASSE	99.69		pP	06:28:48.583	0.3	72.4		4.56		TAS				m_e	
BFO	102.45		Pdiff	06:26:37.614		71.8		4.50		TAS				m_e	
BFO	102.45		PKKPbc	06:42:39.754		250.6		2.87		TAS				m_e	
BRG	98.16		Pdiff	06:26:18.962	0.0	71.8		4.50		TAS				m_e	
BRG	98.16		pP	06:28:41.569	0.3	72.4		4.56		TAS				m_e	
BRG	98.16		PKKPbc	06:42:52.019	0.3	250.6		2.87		TAS				m_e	
BSEG	99.26		Pdiff	06:26:24.151	-0.2	71.8		4.50		TAS				m_e	
BSEG	99.26		pP	06:28:47.184	-0.4	72.4		4.56		TAS				m_e	
BSEG	99.26		PKKPbc	06:42:48.812		250.6		2.87		TAS				m_e	
BUG	101.91		Pdiff	06:26:35.808	-0.5	71.8		4.50		TAS				m_e	
CLL	98.59		Pdiff	06:26:20.452	-0.5	71.8		4.50		TAS				m_e	
CLL	98.59		pP	06:28:43.109	0.2	72.4		4.56		TAS				m_e	
CLZ	99.96		Pdiff	06:26:27.491	0.2	71.8		4.50		TAS				m_e	
CLZ	99.96		pP	06:28:50.135	0.2	72.4		4.56		TAS				m_e	
FBE	98.50		Pdiff	06:26:20.657	0.2	71.8		4.50		TAS				m_e	
FBE	98.50		pP	06:28:43.568	-0.6	72.4		4.56		TAS				m_e	
FLT1	99.29		Pdiff	06:26:23.535	-0.7	71.8		4.50		TAS				m_e	
FLT1	99.29		pP	06:28:46.562	-0.1	72.4		4.56		TAS				m_e	
FUR	100.66		Pdiff	06:26:29.974	0.0	71.8		4.50		TAS				m_e	
FUR	100.66		pP	06:28:52.867	0.1	72.4		4.56		TAS				m_e	
FUR	100.66		PKKPbc	06:42:44.894		250.6		2.87		TAS				m_e	
GEC2	98.91		Pdiff	06:26:22.199	0.0	71.8		4.50		TAS				m_e	
GEC2	98.91		pP	06:28:45.041	0.3	72.4		4.56		TAS				m_e	
GEC2	98.91		PKKPbc	06:42:49.779	0.2	250.6		2.87		TAS				m_e	
GOR1	99.03		Pdiff	06:26:23.278	0.1	71.8		4.50		TAS				m_e	
GOR1	99.03		pP	06:28:46.315	0.0	72.4		4.56		TAS				m_e	
GRA1	100.19		Pdiff	06:26:28.313	0.3	71.8		4.50		TAS				m_e	
GRA1	100.19		pP	06:28:51.043	0.0	72.4		4.56		TAS				m_e	
GRA1	100.19		PKKPbc	06:42:46.622		250.6		2.87		TAS				m_e	
GTTG	100.31		Pdiff	06:26:28.827	0.1	71.8		4.50		TAS				m_e	

GTTG	100.31	pP	06:28:51.779	0.1	72.4	4.56	TAS	m_e
GUNZ	99.29	Pdiff	06:26:24.151	0.1	71.8	4.50	TAS	m_e
GUNZ	99.29	pP	06:28:46.943	-0.6	72.4	4.56	TAS	m_e
GUNZ	99.29	PKKPbc	06:42:49.194	-0.2	250.6	2.87	TAS	m_e
IBBN	101.30	Pdiff	06:26:33.400	0.1	71.8	4.50	TAS	m_e
IBBN	101.30	pP	06:28:56.682	-0.4	72.4	4.56	TAS	m_e
KAST	101.33	Pdiff	06:26:33.503	-0.4	71.8	4.50	TAS	m_e
KAST	101.33	pP	06:28:56.520	-0.1	72.4	4.56	TAS	m_e
MANZ	99.55	Pdiff	06:26:25.436	0.3	71.8	4.50	TAS	m_e
MANZ	99.55	pP	06:28:48.063	0.3	72.4	4.56	TAS	m_e
MANZ	99.55	PKKPbc	06:42:48.354		250.6	2.87	TAS	m_e
MOX	99.64	Pdiff	06:26:25.539	-0.1	71.8	4.50	TAS	m_e
MOX	99.64	pP	06:28:48.119	-0.3	72.4	4.56	TAS	m_e
MOX	99.64	PKKPbc	06:42:48.049		250.6	2.87	TAS	m_e
NEUB	99.36	Pdiff	06:26:24.254	-0.2	71.8	4.50	TAS	m_e
NEUB	99.36	pP	06:28:46.855	0.1	72.4	4.56	TAS	m_e
NRDL	99.89	Pdiff	06:26:27.388	0.4	71.8	4.50	TAS	m_e
NRDL	99.89	pP	06:28:50.220	-0.0	72.4	4.56	TAS	m_e
RETH	100.22	Pdiff	06:26:28.467	-0.1	71.8	4.50	TAS	m_e
RETH	100.22	pP	06:28:51.535	0.1	72.4	4.56	TAS	m_e
RGN	97.39	Pdiff	06:26:15.776	-0.1	71.8	4.50	TAS	m_e
ROTZ	99.56	Pdiff	06:26:25.539	0.4	71.8	4.50	TAS	m_e
ROTZ	99.56	pP	06:28:48.217	-0.3	72.4	4.56	TAS	m_e
RUE	97.77	Pdiff	06:26:17.420	0.1	71.8	4.50	TAS	m_e
RUE	97.77	pP	06:28:40.382	-0.1	72.4	4.56	TAS	m_e
STU	101.76	Pdiff	06:26:34.890	-0.2	71.8	4.50	TAS	m_e
STU	101.76	pP	06:28:57.837		72.4	4.56	TAS	m_e
STU	101.76	PKKPbc	06:42:41.993		250.6	2.87	TAS	m_e
TANN	99.20	Pdiff	06:26:23.586	-0.0	71.8	4.50	TAS	m_e
TANN	99.20	pP	06:28:46.392	0.0	72.4	4.56	TAS	m_e
TANN	99.20	PKKPbc	06:42:49.525	0.1	250.6	2.87	TAS	m_e
TNS	101.68	Pdiff	06:26:35.044	-0.1	71.8	4.50	TAS	m_e
UBR	101.56	Pdiff	06:26:33.694	0.2	71.8	4.50	TAS	m_e
UBR	101.56	pP	06:28:56.519		72.4	4.56	TAS	m_e
WERD	99.28	Pdiff	06:26:23.894	-0.1	71.8	4.50	TAS	m_e
WERD	99.28	pP	06:28:46.770	0.1	72.4	4.56	TAS	m_e
WERD	99.28	PKKPbc	06:42:49.067	0.2	250.6	2.87	TAS	m_e
WERN	99.29	Pdiff	06:26:24.151	0.1	71.8	4.50	TAS	m_e
WERN	99.29	pP	06:28:46.924	0.1	72.4	4.56	TAS	m_e
WERN	99.29	PKKPbc	06:42:49.169	0.0	250.6	2.87	TAS	m_e
WLF	103.27	Pdiff	06:26:42.382		71.8	4.50	TAS	m_e

Event 70110004 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/10	15:27:16.40			-10.1300	161.0600				40.0			24		130.46	133.31	m i ke	EMSC

70110036

Magnitude	Err	Nsta	Author	OrigID
Ms	6.3		BGR	70110010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	131.70		PKPdf	15:46:26.547	0.1	42.8		1.87		TAS				m_e	
BRG	131.23		PKPdf	15:46:25.705	-0.0	42.8		1.87		TAS				m_e	
BSEG	130.46		PKPdf	15:46:24.312	-0.1	42.8		1.87		TAS				m_e	
CLL	131.34		PKPdf	15:46:25.874	0.0	42.8		1.87		TAS				m_e	
CLZ	132.04		PKPdf	15:46:27.405	-0.0	42.8		1.87		TAS				m_e	
FBE	131.46		PKPdf	15:46:26.280	-0.1	42.8		1.87		TAS				m_e	
FLT1	131.32		PKPdf	15:46:25.830	0.1	42.8		1.87		TAS				m_e	
GEC2	132.76		PKPdf	15:46:28.343	0.2	42.8		1.87		TAS				m_e	
GOR1	130.80		PKPdf	15:46:25.095	0.0	42.8		1.87		TAS				m_e	
GRA1	133.29		PKPdf	15:46:29.769		42.8		1.87		TAS				m_e	
GRA1	133.29		L	16:47:10.077						T__		6976.2	21.90	a_e Ms	6.3
GTTG	132.43		PKPdf	15:46:28.043	-0.0	42.8		1.87		TAS				m_e	
GUNZ	132.31		PKPdf	15:46:27.781	-0.2	42.8		1.87		TAS				m_e	
HLG	131.13		PKPdf	15:46:25.696	-0.1	42.8		1.87		TAS				m_e	
IBBN	132.69		PKPdf	15:46:28.561	-0.0	42.8		1.87		TAS				m_e	
KAST	133.31		PKPdf	15:46:29.696		42.8		1.87		TAS				m_e	
MANZ	132.69		PKPdf	15:46:28.418	-0.3	42.8		1.87		TAS				m_e	
MOX	132.42		PKPdf	15:46:27.730	-0.0	42.8		1.87		TAS				m_e	
MOX	132.42		L	16:45:55.973						T__		6595.9	22.00	a_e Ms	6.3
NEUB	131.95		PKPdf	15:46:27.117	0.1	42.8		1.87		TAS				m_e	
NRDL	131.65		PKPdf	15:46:26.553	-0.2	42.8		1.87		TAS				m_e	
RETH	131.75		PKPdf	15:46:26.580	0.1	42.8		1.87		TAS				m_e	
ROTZ	132.80		PKPdf	15:46:28.606	0.0	42.8		1.87		TAS				m_e	
TANN	132.22		PKPdf	15:46:27.623	0.1	42.8		1.87		TAS				m_e	
WERD	132.26		PKPdf	15:46:27.592	0.1	42.8		1.87		TAS				m_e	
WERN	132.35		PKPdf	15:46:27.865	0.1	42.8		1.87		TAS				m_e	

Event 70110006 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/10	16:21:56.40			27.5800	140.0000				478.0			18		88.55	92.91	m i ke	EMSC
OrigID 70110038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70110012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	92.91		P	16:34:17.120		43.8		4.71		TAS		11.3	0.91	m_e mb	5.3
BRG	88.55		P	16:33:57.017	0.2	43.8		4.71		TAS		7.9	0.75	m_e mb	5.0
CLL	88.67		P	16:33:57.333	0.2	43.8		4.71		TAS		10.2	0.83	m_e mb	5.1

CLZ	89.43	P	16:34:01.231	0.2	43.8	4.71	TAS	8.2	0.84	m_e	mb	5.0
FLT1	88.71	P	16:33:57.047	-0.0	43.8	4.71	TAS	9.7	0.80	m_e	mb	5.1
FUR	91.70	P	16:34:12.173		43.8	4.71	TAS	40.1	1.07	m_e	mb	5.7
GEC2	90.08	P	16:34:04.157		43.8	4.71	TAS	10.3	1.04	m_e	mb	5.0
GRA1	90.62	P	16:34:06.995		43.8	4.71	TAS	37.3	1.37	m_e	mb	5.5
GUNZ	89.64	P	16:34:02.359		43.8	4.71	TAS	8.5	0.84	m_e	mb	5.0
IBBN	90.17	P	16:34:04.366	-0.0	43.8	4.71	TAS	22.8	0.77	m_e	mb	5.5
MANZ	90.01	P	16:34:04.044		43.8	4.71	TAS	2.3	1.18	m_e	mb	4.3
MOX	89.76	P	16:34:02.634		43.8	4.71	TAS	5.3	1.07	m_e	mb	4.7
NEUB	89.29	P	16:34:00.458	-0.2	43.8	4.71	TAS			m_e		
RETH	89.19	P	16:33:59.835	-0.2	43.8	4.71	TAS	15.0	1.04	m_e	mb	5.2
ROTZ	90.12	P	16:34:04.630		43.8	4.71	TAS	5.3	1.30	m_e	mb	4.6
TANN	89.55	P	16:34:01.547		43.8	4.71	TAS	14.2	1.42	m_e	mb	5.0
WERD	89.59	P	16:34:01.876		43.8	4.71	TAS	6.5	0.94	m_e	mb	4.8
WERN	89.67	P	16:34:02.540		43.8	4.71	TAS	33.1	1.65	m_e	mb	5.3

Event 70111001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/11	00:25:54.79			-20.3200	-176.8000				167.3	0.5		24		146.00	152.14	m i ke	BGR
70111007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.72		PKPbc	00:45:18.703	-0.1	13.3		2.67		TAS					m_e
BFO	151.75		PKPbc	00:45:29.217		13.3		2.67		TAS					m_e
BFO	151.75		pPKPbc	00:46:12.600		11.4		2.67		TAS					m_e
BRG	148.35		PKPbc	00:45:20.622	0.2	13.3		2.67		TAS					m_e
BSEG	146.00		PKPbc	00:45:13.534	-0.3	13.3		2.67		TAS					m_e
BSEG	146.00		pPKPbc	00:45:57.051	0.5	11.4		2.67		TAS					m_e
CLL	148.13		PKPbc	00:45:19.846	-0.1	13.3		2.67		TAS					m_e
CLL	148.13		pPKPbc	00:46:03.375	-0.5	11.4		2.67		TAS					m_e
CLZ	148.04		PKPbc	00:45:20.008	0.3	13.3		2.67		TAS					m_e
CLZ	148.04		pPKPbc	00:46:03.496	0.4	11.4		2.67		TAS					m_e
FBE	148.43		PKPbc	00:45:21.178	0.4	13.3		2.67		TAS					m_e
FBE	148.43		pPKPbc	00:46:04.691		11.4		2.67		TAS					m_e
FLT1	147.44		PKPbc	00:45:17.685	0.2	13.3		2.67		TAS					m_e
FLT1	147.44		pPKPbc	00:46:01.173	0.2	11.4		2.67		TAS					m_e
FUR	151.47		PKPbc	00:45:28.591		13.3		2.67		TAS					m_e
GEC2	150.32		PKPbc	00:45:25.787		13.3		2.67		TAS					m_e
GEC2	150.32		pPKPbc	00:46:09.193		11.4		2.67		TAS					m_e
GTTG	148.39		PKPbc	00:45:20.727	0.2	13.3		2.67		TAS					m_e
GUNZ	149.16		PKPbc	00:45:22.975	-0.3	13.3		2.67		TAS					m_e
IBBN	147.88		PKPbc	00:45:19.265	0.1	13.3		2.67		TAS					m_e
MANZ	149.56		PKPbc	00:45:24.018		13.3		2.67		TAS					m_e

MANZ	149.56	pPKPbc	00:46:07.511		11.4		2.67	TAS		m_e
MOX	149.02	PKPbc	00:45:22.212	0.2	13.3		2.67	TAS		m_e
NEUB	148.46	PKPbc	00:45:20.836	0.3	13.3		2.67	TAS		m_e
NEUB	148.46	pPKPbc	00:46:04.392		11.4		2.67	TAS		m_e
RETH	147.29	PKPbc	00:45:17.514	0.4	13.3		2.67	TAS		m_e
ROTZ	149.75	PKPbc	00:45:24.437		13.3		2.67	TAS		m_e
ROTZ	149.75	pPKPbc	00:46:07.968		11.4		2.67	TAS		m_e
TANN	149.09	PKPbc	00:45:22.693	-0.3	13.3		2.67	TAS		m_e
TANN	149.09	pPKPbc	00:46:06.258		11.4		2.67	TAS		m_e
TNS	149.87	PKPbc	00:45:24.754		13.3		2.67	TAS		m_e
TNS	149.87	pPKPbc	00:46:08.341		11.4		2.67	TAS		m_e
UBR	152.14	PKPbc	00:45:30.040		13.3		2.67	TAS		m_e
WERD	149.08	PKPbc	00:45:22.671	0.5	13.3		2.67	TAS		m_e
WERD	149.08	pPKPbc	00:46:06.166		11.4		2.67	TAS		m_e
WERN	149.22	PKPbc	00:45:23.274	-0.6	13.3		2.67	TAS		m_e
WLF	150.63	PKPbc	00:45:27.214		13.3		2.67	TAS		m_e

Event 70111002 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/11	15:50:55.60			36.7860	21.8060				33.0					15.01	15.01	m i ke	BGR
70111008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	15.01		P	15:54:30.771		146.7		12.67		TAS		16.4	0.98	m_e	

Event 70111007 Northern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/11	21:58:18.00			-22.7900	-69.8300				73.0				8	98.48	100.50	m i ke	GUC
70111099																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	99.39		Pdiff	22:11:52.701	-0.2	249.4		4.33		TAS				m_e	
BUG	99.87		Pdiff	22:11:54.416	-0.2	249.4		4.33		TAS				m_e	
IBBN	100.50		Pdiff	22:11:57.545		249.4		4.33		TAS				m_e	
KAST	100.43		Pdiff	22:11:56.911	0.2	249.4		4.33		TAS				m_e	
STU	99.94		Pdiff	22:11:54.857	0.1	249.4		4.33		TAS				m_e	
TNS	100.06		Pdiff	22:11:55.676	0.1	249.4		4.33		TAS				m_e	

UBR	100.08	Pdiff	22:11:55.917	-0.2	249.4	4.33	TAS	m_e
WLF	98.48	Pdiff	22:11:48.686	0.0	249.4	4.33	TAS	m_e

Event 70111008 Madagascar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/11	22:07:12.20			-18.2800	46.5000				34.8	0.8		24		72.93	76.81	m i ke	BGR
70111014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70111014
Ms	5.1		BGR	70111014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	74.55		P	22:18:47.748	-0.1	145.0		5.77		TAS		29.5	0.95	m_e	mb	5.3
BFO	74.55		pP	22:18:57.753	0.1	145.3		5.86		TAS				m_e		
BRG	74.56		P	22:18:47.947	0.1	145.0		5.77		TAS		16.8	1.03	m_e	mb	5.0
CLL	75.25		P	22:18:51.726	-0.1	145.0		5.77		TAS		24.5	0.96	m_e	mb	5.2
CLZ	76.61		P	22:18:59.800	-0.5	145.0		5.77		TAS		38.7	1.29	m_e	mb	5.4
FBE	74.80		P	22:18:49.378	0.1	145.0		5.77		TAS		12.3	1.10	m_e	mb	4.8
FLT1	76.71		P	22:18:59.785	0.1	145.0		5.77		TAS		241.1	2.64	m_e	mb	5.9
FUR	73.26		P	22:18:40.521	0.1	145.0		5.77		TAS		47.1	0.91	m_e	mb	5.6
GEC2	72.93		P	22:18:38.067	-0.4	145.0		5.77		TAS		24.5	0.96	m_e	mb	5.3
GRA1	74.53		P	22:18:47.814	0.0	145.0		5.77		TAS		65.6	1.13	m_e	mb	5.6
GRA1	74.53		pP	22:18:57.561	0.2	145.3		5.86		TAS				m_e		
GRA1	74.53		L	22:53:51.159						T__		669.5	21.80	a_e	Ms	4.9
GTTG	76.51		P	22:18:59.517	-0.3	145.0		5.77		TAS		41.2	1.38	m_e	mb	5.4
GUNZ	74.69		P	22:18:48.941	0.3	145.0		5.77		TAS		39.0	1.11	m_e	mb	5.3
GUNZ	74.69		pP	22:18:58.657	-0.1	145.3		5.86		TAS				m_e		
KAST	76.81		P	22:19:01.009		145.0		5.77		TAS		39.5	1.40	m_e	mb	5.3
KAST	76.81		pP	22:19:11.050		145.3		5.86		TAS				m_e		
MANZ	74.45		P	22:18:46.952	-0.4	145.0		5.77		TAS		5.5	1.23	m_e	mb	4.4
MANZ	74.45		pP	22:18:56.933	0.1	145.3		5.86		TAS				m_e		
MOX	75.18		P	22:18:51.527	0.0	145.0		5.77		TAS		30.7	1.08	m_e	mb	5.3
MOX	75.18		L	23:00:47.332						T__		1377.0	18.30	a_e	Ms	5.3
NEUB	75.58		P	22:18:53.715	-0.1	145.0		5.77		TAS		32.3	1.12	m_e	mb	5.4
NEUB	75.58		pP	22:19:03.852		145.3		5.86		TAS				m_e		
ROTZ	74.24		P	22:18:45.626	-0.4	145.0		5.77		TAS		9.1	1.34	m_e	mb	4.6
ROTZ	74.24		pP	22:18:55.743	-0.1	145.3		5.86		TAS				m_e		
RUE	75.98		P	22:18:56.235	-0.0	145.0		5.77		TAS		79.6	1.18	m_e	mb	5.7
RUE	75.98		pP	22:19:06.124		145.3		5.86		TAS				m_e		
STU	74.56		P	22:18:48.212	0.3	145.0		5.77		TAS		80.3	0.93	m_e	mb	5.7
STU	74.56		pP	22:18:57.924	0.2	145.3		5.86		TAS				m_e		
TANN	74.69		P	22:18:48.809	0.2	145.0		5.77		TAS		40.5	1.10	m_e	mb	5.4
TANN	74.69		pP	22:18:58.763	0.0	145.3		5.86		TAS				m_e		
TNS	76.01		P	22:18:56.301	0.3	145.0		5.77		TAS		32.1	1.26	m_e	mb	5.3

TNS	76.01	pP	22:19:06.275	145.3	5.86	TAS								m_e	
UBR	73.32	P	22:18:40.852	0.1 145.0	5.77	TAS	44.6	0.89	m_e mb	5.6					
UBR	73.32	pP	22:18:50.667	-0.3 145.3	5.86	TAS								m_e	
WERD	74.77	P	22:18:49.273	0.2 145.0	5.77	TAS	52.1	1.20	m_e mb	5.4					
WERD	74.77	pP	22:18:59.245	0.0 145.3	5.86	TAS								m_e	
WERN	74.61	P	22:18:48.411	0.2 145.0	5.77	TAS	30.6	1.39	m_e mb	5.1					
WLF	76.49	P	22:18:58.722	0.0 145.0	5.77	TAS	23.1	0.95	m_e mb	5.3					

Event 70112007 Northern Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/12	16:06:43.81			6.9430	-76.7940				33.0			31		80.18	85.15	m i ke	BGR
OrigID																	
70112013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	70112013
Ms	4.6		BGR	70112013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.79	P		16:18:54.636	0.2	273.0		5.13		TAS		95.7	1.33	m_e mb	5.7
ASSE	83.02	P		16:19:06.146	-0.3	273.0		5.13		TAS		108.1	1.69	m_e mb	5.8
BE1	83.57	P		16:19:08.852	-0.1	273.0		5.13		TAS		126.7	1.24	m_e mb	6.0
BFO	81.62	P		16:18:57.981	-0.0	273.0		5.13		TAS		18.7	0.94	m_e mb	5.2
BFO	81.62	L		16:50:27.012						T__		293.8	20.30	a_e Ms	4.6
BRG	85.13	P		16:19:16.562		273.0		5.13		TAS		46.6	1.05	m_e mb	5.6
BSEG	82.74	P		16:19:04.287	-0.4	273.0		5.13		TAS		36.4	0.95	m_e mb	5.6
BUG	80.91	P		16:18:54.879	-0.2	273.0		5.13		TAS		60.2	1.25	m_e mb	5.5
CLL	84.51	P		16:19:13.279		273.0		5.13		TAS		42.9	0.97	m_e mb	5.6
CLL	84.51	L		16:50:37.318						T__		350.0	21.10	a_e Ms	4.7
CLZ	82.84	P		16:19:05.145	0.1	273.0		5.13		TAS		71.0	1.24	m_e mb	5.8
FBE	84.76	P		16:19:14.857		273.0		5.13		TAS		59.2	1.02	m_e mb	5.8
FLT1	83.35	P		16:19:07.173	0.1	273.0		5.13		TAS		47.6	0.97	m_e mb	5.7
FUR	83.59	L		16:48:19.734						T__		247.2	21.90	a_e Ms	4.5
GEC2	85.15	P		16:19:16.566		273.0		5.13		TAS		56.2	0.99	m_e mb	5.8
GEC2	85.15	L		16:47:58.031						T__		279.0	21.00	a_e Ms	4.6
GRA1	83.47	P		16:19:08.331	0.1	273.0		5.13		TAS		60.1	1.36	m_e mb	5.6
GRA1	83.47	L		16:52:29.749						T__		260.2	20.00	a_e Ms	4.6
GTTG	82.60	P		16:19:03.716	0.2	273.0		5.13		TAS		65.8	1.20	m_e mb	5.7
GUNZ	84.15	P		16:19:11.710	0.1	273.0		5.13		TAS		58.6	1.39	m_e mb	5.6
IBBN	81.22	P		16:18:56.360	-0.2	273.0		5.13		TAS		72.2	1.05	m_e mb	5.6
KW1	84.48	P		16:19:13.685		273.0		5.13		TAS		134.7	0.94	a_e mb	6.2
MANZ	84.03	P		16:19:11.160	0.3	273.0		5.13		TAS		12.6	1.20	m_e mb	5.0
MOX	83.68	P		16:19:08.939	0.1	273.0		5.13		TAS		35.8	1.28	m_e mb	5.4
MOX	83.68	L		16:50:28.762						T__		369.5	20.00	a_e Ms	4.8
NEUB	83.74	P		16:19:09.625	0.1	273.0		5.13		TAS		53.5	0.86	m_e mb	5.8
NRDL	82.66	P		16:19:04.218	0.3	273.0		5.13		TAS		51.6	1.08	m_e mb	5.7

RETH	82.19	P	16:19:01.888	0.2	273.0	5.13	TAS	128.4	1.39	m_e	mb	5.9
RJOB	84.64	P	16:19:14.095		273.0	5.13	TAS	33.4	0.93	m_e	mb	5.6
ROTZ	84.11	P	16:19:11.537	-0.2	273.0	5.13	TAS	9.2	1.23	m_e	mb	4.9
RUE	84.90	P	16:19:15.285		273.0	5.13	TAS	98.2	1.21	a_e	mb	5.9
TANN	84.23	P	16:19:12.143	-0.1	273.0	5.13	TAS	69.0	1.15	m_e	mb	5.8
TNS	81.67	P	16:18:58.896	0.0	273.0	5.13	TAS	63.0	1.20	m_e	mb	5.6
TNS	81.67	L	16:48:37.513				T__	334.5	22.00	a_e	Ms	4.7
UBR	82.83	P	16:19:05.051	0.2	273.0	5.13	TAS	95.3	1.78	m_e	mb	5.7
WERD	84.13	P	16:19:11.481	-0.1	273.0	5.13	TAS	50.3	1.23	m_e	mb	5.6
WERN	84.18	P	16:19:11.985	-0.2	273.0	5.13	TAS	75.8	1.40	m_e	mb	5.7
WLF	80.18	P	16:18:51.428	0.1	273.0	5.13	TAS	112.0	1.02	m_e	mb	5.7

Event 70112008 Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/12	17:04:57.40			41.7200	133.0200				476.0					73.60	75.64	m i ke	EMSC
OrigID 70112040																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70112014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	73.60		P	17:15:41.469		41.1		4.81		TAS		18.4	0.79	m_e	mb 5.2
CLL	73.68		P	17:15:41.803		41.1		4.81		TAS		29.6	0.81	m_e	mb 5.4
CLZ	74.37		P	17:15:46.143		41.1		4.81		TAS		21.5	0.98	m_e	mb 5.1
FBE	73.81		P	17:15:43.164		41.1		4.81		TAS		42.8	0.97	m_e	mb 5.4
FLT1	73.65		P	17:15:41.383		41.1		4.81		TAS		38.7	1.09	m_e	mb 5.4
GEC2	75.19		P	17:15:50.593		41.1		4.81		TAS		20.2	1.16	m_e	mb 5.0
GRA1	75.64		P	17:15:53.806		41.1		4.81		TAS		61.4	1.00	m_e	mb 5.7
GUNZ	74.67		P	17:15:48.008		41.1		4.81		TAS		19.9	0.67	m_e	mb 5.3
MANZ	75.04		P	17:15:49.991		41.1		4.81		TAS		4.2	0.71	m_e	mb 4.6
MOX	74.76		P	17:15:48.137		41.1		4.81		TAS		11.5	0.55	m_e	mb 5.1
NEUB	74.28		P	17:15:45.290		41.1		4.81		TAS		35.6	0.80	m_e	mb 5.4
ROTZ	75.16		P	17:15:50.907		41.1		4.81		TAS		5.7	0.89	m_e	mb 4.6
TANN	74.57		P	17:15:47.157		41.1		4.81		TAS		59.0	2.15	m_e	mb 5.2
WERD	74.61		P	17:15:47.442		41.1		4.81		TAS		28.2	1.27	m_e	mb 5.1
WERN	74.70		P	17:15:48.190		41.1		4.81		TAS		26.3	0.76	m_e	mb 5.3

Event 70113005 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/13	03:25:24.75			35.0750	141.7080				33.0				11	82.82	87.13	m i ke	BGR
OrigID 70113011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70113011
Ms	4.5		BGR	70113011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	87.13		P	03:38:06.574		38.7		5.04		TAS		19.0	1.24	m_e	mb	5.1
CLL	82.91		P	03:37:45.260	0.5	38.7		5.04		TAS		18.8	1.00	m_e	mb	5.3
CLZ	83.54		P	03:37:48.621		38.7		5.04		TAS		47.0	1.59	m_e	mb	5.5
FBE	83.07		P	03:37:46.404	0.3	38.7		5.04		TAS		20.4	1.08	m_e	mb	5.3
FLT1	82.82		P	03:37:44.687	-0.1	38.7		5.04		TAS		15.1	1.01	m_e	mb	5.2
GEC2	84.50		P	03:37:53.485		38.7		5.04		TAS		11.1	1.30	m_e	mb	4.9
GRA1	84.89		L	04:17:19.224						T__		231.1	19.90	a_e	Ms	4.6
GRB3	84.92		P	03:37:56.114		38.7		5.04		TAS		42.4	1.40	m_e	mb	5.5
MANZ	84.29		P	03:37:53.056		38.7		5.04		TAS		2.2	0.94	m_e	mb	4.4
MOX	83.98		L	04:19:38.585						T__		170.6	20.60	a_e	Ms	4.4
NRDL	83.12		P	03:37:46.332	-0.1	38.7		5.04		TAS		57.8	1.81	m_e	mb	5.5
RETH	83.21		P	03:37:47.834		38.7		5.04		TAS		51.1	1.74	m_e	mb	5.5
ROTZ	84.42		P	03:37:53.557		38.7		5.04		TAS		10.2	1.65	m_e	mb	4.8
WERN	83.95		P	03:37:51.102		38.7		5.04		TAS		15.9	1.22	m_e	mb	5.1

Event 70114001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/14	06:11:40.29			-20.9430	176.9730				33.0			23		145.52	151.29	m i ke	BGR
OrigID 70114007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	70114007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	151.19		PKPbc	06:31:29.543		26.6		2.66		TAS				m_e		
BFO	151.19		L	07:35:31.984						T__		1555.0	21.80	a_e	Ms	5.8
BRG	147.29		PKPbc	06:31:18.868	0.3	26.6		2.66		TAS				m_e		
BSEG	145.52		L	07:36:49.161						T__		1132.4	22.00	a_e	Ms	5.6
BUG	148.51		PKPbc	06:31:22.541		26.6		2.66		TAS				a_e		
CLL	147.20		PKPbc	06:31:18.279	0.2	26.6		2.66		TAS				m_e		
CLL	147.20		L	07:35:36.844						T__		900.4	21.80	a_e	Ms	5.5
CLZ	147.44		PKPbc	06:31:19.409	-0.0	26.6		2.66		TAS				m_e		
FBE	147.43		PKPbc	06:31:19.465	0.3	26.6		2.66		TAS				m_e		
FUR	150.50		L	07:36:29.769						T__		1462.0	22.00	a_e	Ms	5.7
GEC2	149.11		PKPbc	06:31:24.075		26.6		2.66		TAS				m_e		
GEC2	149.11		L	07:37:57.824						T__		2426.4	21.30	a_e	Ms	6.0
GRA1	149.16		PKPbc	06:31:24.964		26.6		2.66		TAS				m_e		
GRA1	149.16		L	07:40:36.032						T__		1336.4	21.70	a_e	Ms	5.7
GTTG	147.81		PKPbc	06:31:20.639	0.3	26.6		2.66		TAS				m_e		

GUNZ	148.23	PKPbc	06:31:21.993	0.4	26.6	2.66	TAS	m_e
IBBN	147.59	PKPbc	06:31:19.614	-0.1	26.6	2.66	TAS	m_e
KAST	148.49	PKPbc	06:31:22.245	-0.3	26.6	2.66	TAS	m_e
MANZ	148.63	PKPbc	06:31:23.058		26.6	2.66	TAS	m_e
MOX	148.19	PKPbc	06:31:21.798	0.8	26.6	2.66	TAS	m_e
MOX	148.19	L	07:31:10.489				T__	760.0 21.90 a_e Ms 5.4
NEUB	147.66	PKPbc	06:31:20.048	0.1	26.6	2.66	TAS	m_e
ROTZ	148.80	PKPbc	06:31:23.517		26.6	2.66	TAS	m_e
TANN	148.15	PKPbc	06:31:21.613	0.3	26.6	2.66	TAS	m_e
TNS	149.40	PKPbc	06:31:25.166		26.6	2.66	TAS	m_e
TNS	149.40	L	07:36:53.179				T__	2377.6 21.90 a_e Ms 5.9
UBBA	148.47	PKPbc	06:31:22.228	-0.9	26.6	2.66	TAS	m_e
UBR	151.29	PKPbc	06:31:29.583		26.6	2.66	TAS	m_e
WERD	148.16	PKPbc	06:31:21.767	-0.3	26.6	2.66	TAS	m_e
WERN	148.28	PKPbc	06:31:22.213	0.3	26.6	2.66	TAS	m_e
WLF	150.43	PKPbc	06:31:27.866		26.6	2.66	TAS	m_e

Event 70114002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/14	10:34:50.50			-15.2500	-173.3800				2.0			12		141.29	146.98	m i ke	EMSC
	70114034																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	70114008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.98		PKPpdf	10:54:35.097		7.8		2.82		TAS				m_e	
BFO	146.98		L	11:55:52.149						T__		363.9	21.90	a_e Ms	5.1
BSEG	141.29		L	11:50:54.127						T__		291.2	19.70	a_e Ms	5.0
CLL	143.67		L	11:56:19.996						T__		252.5	19.90	a_e Ms	5.0
FUR	146.96		PKPpdf	10:54:34.708		7.8		2.82		TAS				m_e	
FUR	146.96		L	11:52:35.553						T__		288.0	20.60	a_e Ms	5.0
GEC2	146.00		PKPpdf	10:54:32.436		7.8		2.82		TAS				m_e	
GEC2	146.00		L	11:57:24.133						T__		399.4	21.10	a_e Ms	5.2
GRA1	145.45		PKPpdf	10:54:31.073		7.8		2.82		TAS				m_e	
GRA1	145.45		L	11:53:12.609						T__		280.6	20.30	a_e Ms	5.0
GUNZ	144.67		PKPpdf	10:54:28.672		7.8		2.82		TAS				m_e	
MANZ	145.07		PKPpdf	10:54:29.717		7.8		2.82		TAS				m_e	
MOX	144.47		PKPpdf	10:54:27.584		7.8		2.82		TAS				m_e	
MOX	144.47		L	12:01:46.234						T__		338.4	19.60	a_e Ms	5.1
ROTZ	145.28		PKPpdf	10:54:30.035		7.8		2.82		TAS				m_e	
TNS	145.09		PKPpdf	10:54:29.711		7.8		2.82		TAS				m_e	
TNS	145.09		L	11:56:17.043						T__		390.3	20.10	a_e Ms	5.2
WERD	144.59		PKPpdf	10:54:28.218		7.8		2.82		TAS				m_e	
WERN	144.74		PKPpdf	10:54:28.672		7.8		2.82		TAS				m_e	

WLF 145.68 PKPdf 10:54:31.852 7.8 2.82 TAS m_e

Event 70114003 Southeast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/01/14 15:19:39.60 33.4800 138.2300 281.0 14 82.73 84.79 m i ke EMSC
70114035

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 70114009

Table with 16 columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include BRG, CLL, CLZ, FBE, FLT1, GEC2, GRA1, GTTG, GUNZ, MANZ, NEUB, RETH, TANN, WERN.

Event 70114004 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/01/14 18:25:41.92 -19.3160 176.2900 10.0 27 143.80 149.55 m i ke BGR
70114010

Magnitude Err Nsta Author OrigID
Ms 5.4 BGR 70114010

Table with 16 columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include AHRW, BFO, BRG, BSEG, BUG.

Station	Mag	PKPbc	Time	Err	RMS	Lat	Long	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
CLL	145.46	PKPbc	18:45:18.954	0.2	26.8															
CLL	145.46	L	19:42:44.139																	
CLZ	145.71	PKPbc	18:45:20.067	0.5	26.8															
FBE	145.69	PKPbc	18:45:20.281	0.5	26.8															
FLT1	145.04	PKPbc	18:45:17.277	0.3	26.8															
FUR	148.76	PKPbc	18:45:29.132		26.8															
FUR	148.76	L	19:50:28.635																	
GEC2	147.37	PKPbc	18:45:24.668	0.1	26.8															
GEC2	147.37	L	19:51:45.408																	
GRA1	147.42	PKPbc	18:45:25.238	1.1	26.8															
GRA1	147.42	L	19:47:51.922																	
GTTG	146.08	PKPbc	18:45:21.418	-1.2	26.8															
GUNZ	146.49	PKPbc	18:45:23.003	0.6	26.8															
IBBN	145.88	PKPbc	18:45:20.621	0.0	26.8															
KAST	146.77	PKPbc	18:45:21.747	-0.4	26.8															
MANZ	146.89	PKPbc	18:45:24.280	-0.9	26.8															
MOX	146.45	PKPbc	18:45:22.543	-1.0	26.8															
MOX	146.45	L	19:51:18.858																	
NEUB	145.92	PKPbc	18:45:21.194	0.6	26.8															
ROTZ	147.06	PKPbc	18:45:23.984	0.4	26.8															
STU	148.82	PKPbc	18:45:29.282		26.8															
TANN	146.41	PKPbc	18:45:22.564	-0.9	26.8															
TNS	147.68	PKPbc	18:45:24.537		26.8															
TNS	147.68	L	19:50:40.566																	
UBBA	146.74	PKPbc	18:45:23.427	-0.3	26.8															
UBR	149.55	PKPbc	18:45:30.882		26.8															
WERD	146.43	PKPbc	18:45:22.540	-0.2	26.8															
WERN	146.55	PKPbc	18:45:23.058	0.2	26.8															
WLF	148.71	PKPbc	18:45:29.332		26.8															

Event 70115002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/15	03:37:14.56			35.1740	25.0940				33.0					16.04	21.43	m i ke	BGR
70115008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	70115008
Ms	3.8		BGR	70115008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	18.09		L	03:50:31.981						T__		347.4	20.70	a_e Ms	3.6
BSEG	21.43		L	03:51:23.696						T__		418.4	19.60	a_e Ms	3.8
CLL	18.33		L	03:49:38.469						T__		559.2	19.60	a_e Ms	3.9
FUR	16.55		L	03:48:36.263						T__		583.2	21.20	a_e Ms	3.8
GEC2	16.04		L	03:48:16.497						T__		734.2	20.90	a_e Ms	3.8

GRA1	17.71	P	03:41:19.680	140.4	10.87	TAS	29.3	1.44	m_e	mb	4.2
GRA1	17.71	L	03:49:05.850			T__	487.1	21.90	a_e	Ms	3.7
MOX	18.30	L	03:49:24.688			T__	549.3	22.00	a_e	Ms	3.8
TNS	19.32	L	03:50:20.342			T__	417.1	21.10	a_e	Ms	3.7

Event 70116008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/16	01:16:38.20			-13.6000	166.4400				10.0			23		135.49	140.21	m i ke	EMSC
70116040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	70116014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	139.51		PKPdf	01:36:04.645		38.1		1.91		TAS				m_e		
ASSE	136.93		PKPdf	01:36:00.497	0.3	38.1		1.91		TAS				m_e		
BRG	136.65		PKPdf	01:35:59.463	0.1	38.1		1.91		TAS				m_e		
BSEG	135.57		PKPdf	01:35:57.495	0.2	38.1		1.91		TAS				m_e		
BUG	138.68		PKPdf	01:36:02.783		38.1		1.91		TAS				m_e		
CLL	136.70		PKPdf	01:35:59.569	0.2	38.1		1.91		TAS				m_e		
CLZ	137.28		PKPdf	01:36:00.770	0.3	38.1		1.91		TAS				m_e		
FBE	136.86		PKPdf	01:36:00.224	0.1	38.1		1.91		TAS				m_e		
FLT1	136.56		PKPdf	01:35:58.991	-0.3	38.1		1.91		TAS				m_e		
GEC2	138.28		PKPdf	01:36:02.470		38.1		1.91		TAS				m_e		
GOR1	136.01		PKPdf	01:35:58.149	-0.3	38.1		1.91		TAS				m_e		
GRA1	138.68		PKPdf	01:36:03.092		38.1		1.91		TAS				m_e		
GRA1	138.68		L	02:39:27.629						T__		913.8	20.60	a_e	Ms	5.5
GTTG	137.66		PKPdf	01:36:01.275	0.0	38.1		1.91		TAS				m_e		
GUNZ	137.70		PKPdf	01:36:02.052	0.0	38.1		1.91		TAS				m_e		
IBBN	137.78		PKPdf	01:36:01.777	-0.7	38.1		1.91		TAS				m_e		
KAST	138.49		PKPdf	01:36:02.925		38.1		1.91		TAS				m_e		
MANZ	138.09		PKPdf	01:36:02.104	-0.7	38.1		1.91		TAS				m_e		
MOX	137.77		PKPdf	01:36:01.564		38.1		1.91		TAS				m_e		
MOX	137.77		L	02:40:10.239						T__		949.7	20.60	a_e	Ms	5.5
NEUB	137.27		PKPdf	01:36:01.697	-0.0	38.1		1.91		TAS				m_e		
NRDL	136.84		PKPdf	01:35:59.675	0.1	38.1		1.91		TAS				m_e		
RETH	136.89		PKPdf	01:35:59.877	-0.1	38.1		1.91		TAS				m_e		
ROTZ	138.22		PKPdf	01:36:02.301	-0.4	38.1		1.91		TAS				m_e		
RUE	135.49		PKPdf	01:35:57.669	-0.1	38.1		1.91		TAS				m_e		
STU	140.21		PKPdf	01:36:07.045		38.1		1.91		TAS				m_e		
TANN	137.61		PKPdf	01:36:01.240	0.3	38.1		1.91		TAS				m_e		
TNS	139.30		PKPdf	01:36:04.672		38.1		1.91		TAS				m_e		
WERN	137.74		PKPdf	01:36:01.948	0.3	38.1		1.91		TAS				m_e		

Event 70116009 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/16	02:45:42.80			34.8700	23.8100				10.0					17.46	18.09	m i ke	EMSC
OrigID 70116041																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70116015
Ms	3.7		BGR	70116015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	17.46		P	02:49:45.874		143.3		11.36		TAS		45.3	1.62	m_e mb	4.3
GRA1	17.46		L	02:58:15.027						T__		385.8	19.40	a_e Ms	3.7
MOX	18.09		L	02:56:45.240						T__		393.9	18.10	a_e Ms	3.7

Event 70116010 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/16	02:50:19.13			54.5900	-167.9420				33.0				15	71.83	77.41	m i ke	BGR
OrigID 70116016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70116016
Ms	4.4		BGR	70116016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.41		P	03:02:08.873		359.5		5.72		TAS		17.4	1.43	m_e mb	5.0
BRG	74.90		P	03:01:54.721		359.5		5.72		TAS		8.9	1.00	m_e mb	4.7
BSEG	71.83		P	03:01:37.429	-0.2	359.5		5.72		TAS		16.4	1.07	m_e mb	5.1
CLL	74.47		P	03:01:52.049	0.2	359.5		5.72		TAS		8.7	0.91	m_e mb	4.8
CLZ	73.93		P	03:01:49.737	-0.2	359.5		5.72		TAS		15.5	0.92	m_e mb	5.0
FBE	74.86		P	03:01:54.915		359.5		5.72		TAS		14.6	1.02	m_e mb	5.0
FLT1	73.45		P	03:01:45.893	0.1	359.5		5.72		TAS		8.6	0.84	m_e mb	4.9
GRA1	76.09		L	03:37:40.983						T__		181.6	18.70	a_e Ms	4.4
GTTG	74.22		P	03:01:51.170	-0.0	359.5		5.72		TAS		16.7	0.80	m_e mb	5.1
IBBN	73.41		P	03:01:46.542	-0.4	359.5		5.72		TAS		23.4	1.15	m_e mb	5.2
MOX	75.14		P	03:01:56.266		359.5		5.72		TAS		9.4	0.95	m_e mb	4.8
MOX	75.14		L	03:32:45.913						T__		190.1	18.20	a_e Ms	4.4
NEUB	74.59		P	03:01:53.184		359.5		5.72		TAS		16.4	1.00	m_e mb	5.0
NRDL	73.27		P	03:01:45.450	0.4	359.5		5.72		TAS		13.5	1.06	m_e mb	5.0
RETH	73.02		P	03:01:44.210	-0.7	359.5		5.72		TAS		17.4	1.09	m_e mb	5.1
ROTZ	76.02		P	03:02:01.558		359.5		5.72		TAS		5.7	1.57	m_e mb	4.5
WERN	75.50		P	03:01:58.709		359.5		5.72		TAS		11.0	1.03	m_e mb	4.8

Event 70116011 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/16	12:42:14.72			3.3280	98.4240				10.0			32		83.95	88.96	m i ke	BGR
OrigID 70116017																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70116017
MBB	6.1		BGR	70116017
Ms	5.3		BGR	70116017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	88.31		P	12:55:03.092		91.0		5.07		TAS		218.2	1.62	m_e	mb	6.2
ASSE	86.01		P	12:54:51.143	0.1	91.0		5.07		TAS		121.7	1.65	m_e	mb	5.8
BFO	87.60		P	12:54:58.539	0.0	91.0		5.07		TAS		68.3	1.67	m_e	mb	5.7
BFO	87.60		L	13:42:13.261						T__		1179.8	20.20	a_e	Ms	5.3
BRG	83.95		P	12:54:40.658	-0.2	91.0		5.07		TAS		161.1	1.65	m_e	mb	6.0
BSEG	86.22		P	12:54:52.663	0.2	91.0		5.07		TAS		172.7	1.65	m_e	mb	5.9
BSEG	86.22		L	13:37:37.694						T__		1735.3	20.80	a_e	Ms	5.4
BUG	88.14		P	12:55:02.206		91.0		5.07		TAS		267.2	1.67	m_e	mb	6.3
CLL	84.55		P	12:54:43.562	0.1	91.0		5.07		TAS		114.9	1.65	m_e	mb	5.8
CLL	84.55		L	13:39:07.496						T__		1270.5	19.60	a_e	Ms	5.3
CLZ	86.20		P	12:54:52.513	0.1	91.0		5.07		TAS		187.4	1.64	m_e	mb	6.0
FBE	84.32		P	12:54:43.090	0.3	91.0		5.07		TAS		205.7	1.69	m_e	mb	6.1
FLT1	85.66		P	12:54:48.936	0.5	91.0		5.07		TAS		112.9	1.82	m_e	mb	5.7
FUR	85.64		P	12:54:49.204	-0.8	91.0		5.07		TAS		180.8	1.79	m_e	mb	5.9
FUR	85.64		L	13:41:05.637						T__		771.6	19.00	a_e	Ms	5.1
GEC2	84.03		P	12:54:41.003	-0.1	91.0		5.07		TAS		159.4	1.51	m_e	MBB	6.2
GEC2	84.03		L	13:43:24.417						T__		950.7	18.60	a_e	Ms	5.2
GOR1	85.62		P	12:54:49.377	0.0	91.0		5.07		TAS		247.2	1.54	m_e	mb	6.1
GRA1	85.67		P	12:54:49.980	-0.3	91.0		5.07		TAS		144.8	1.57	m_e	mb	5.9
GRA1	85.67		L	13:39:26.992						T__		1747.5	19.50	a_e	Ms	5.5
GTTG	86.46		P	12:54:53.775	0.1	91.0		5.07		TAS		166.8	1.55	m_e	mb	5.9
GUNZ	84.96		P	12:54:45.863	0.1	91.0		5.07		TAS		106.8	1.64	m_e	mb	5.8
IBBN	87.80		P	12:55:00.611	0.3	91.0		5.07		TAS		261.4	1.51	m_e	mb	6.3
KAST	87.44		P	12:54:58.525	-0.6	91.0		5.07		TAS		126.5	1.55	m_e	mb	5.8
MANZ	85.10		P	12:54:47.240	-0.1	91.0		5.07		TAS		36.3	1.55	m_e	mb	5.4
MOX	85.42		P	12:54:48.394	-0.2	91.0		5.07		TAS		112.9	1.63	m_e	MBB	6.1
MOX	85.42		L	13:39:27.006						T__		1226.2	19.50	a_e	Ms	5.3
NEUB	85.33		P	12:54:47.814	0.1	91.0		5.07		TAS		199.1	1.71	m_e	mb	6.1
NRDL	86.36		P	12:54:53.450	-0.4	91.0		5.07		TAS		258.4	1.56	m_e	mb	6.1
RETH	86.81		P	12:54:55.664	-0.1	91.0		5.07		TAS		184.5	1.56	m_e	mb	6.0
ROTZ	85.03		P	12:54:46.884	0.6	91.0		5.07		TAS		31.6	1.67	m_e	mb	5.3
RUE	84.11		P	12:54:41.847	0.0	91.0		5.07		TAS		449.0	1.67	m_e	mb	6.4
TANN	84.88		P	12:54:45.677	0.1	91.0		5.07		TAS		83.0	1.62	m_e	mb	5.7
TNS	87.45		P	12:54:58.604	0.1	91.0		5.07		TAS		136.3	1.53	m_e	MBB	6.0

TNS	87.45	L	13:40:03.166						T__	1280.8	19.80	a_e	Ms	5.3
UBBA	86.45	P	12:54:53.386	0.1	91.0	5.07			TAS	120.7	1.82	m_e	mb	5.7
UBR	86.43	P	12:54:52.764	-0.1	91.0	5.07			TAS	38.8	1.24	m_e	mb	5.4
WERD	84.98	P	12:54:46.175	0.6	91.0	5.07			TAS	81.8	1.61	m_e	mb	5.7
WERN	84.93	P	12:54:45.887	-0.1	91.0	5.07			TAS	61.5	1.62	m_e	mb	5.6
WLF	88.96	P	12:55:06.516		91.0	5.07			TAS	180.2	1.49	m_e	mb	6.1

Event 70116012 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/16	17:04:04.37			-21.2700	-179.0900				612.0			6		146.61	152.35	m i ke	EMSC
	70116044																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.35		PKPab	17:23:04.619		19.8		2.55		TAS				m_e	
BRG	148.73		PKPbc	17:22:43.563		19.8		2.55		TAS				m_e	
BRG	148.73		PKPab	17:22:49.894		19.8		2.55		TAS				m_e	
BSEG	146.61		PKPbc	17:22:38.096	-0.1	19.8		2.55		TAS				m_e	
BSEG	146.61		PKPab	17:22:40.431		19.8		2.55		TAS				m_e	
CLL	148.56		PKPbc	17:22:43.051		19.8		2.55		TAS				m_e	
CLL	148.56		PKPab	17:22:48.738		19.8		2.55		TAS				m_e	
CLZ	148.61		PKPbc	17:22:43.679		19.8		2.55		TAS				m_e	
FBE	148.84		PKPbc	17:22:44.234		19.8		2.55		TAS				m_e	
FLT1	147.98		PKPbc	17:22:41.754		19.8		2.55		TAS				m_e	
FLT1	147.98		PKPab	17:22:45.904		19.8		2.55		TAS				m_e	
GOR1	147.34		PKPbc	17:22:40.013		19.8		2.55		TAS				m_e	
GRA1	150.48		PKPab	17:22:57.602		19.8		2.55		TAS				m_e	
GUNZ	149.60		PKPbc	17:22:45.788		19.8		2.55		TAS				m_e	
GUNZ	149.60		PKPab	17:22:53.475		19.8		2.55		TAS				m_e	
MANZ	150.00		PKPbc	17:22:46.661		19.8		2.55		TAS				m_e	
MOX	149.50		PKPbc	17:22:45.331		19.8		2.55		TAS				m_e	
MOX	149.50		PKPab	17:22:52.620		19.8		2.55		TAS				m_e	
NEUB	148.95		PKPab	17:22:50.403		19.8		2.55		TAS				m_e	
RETH	147.92		PKPbc	17:22:41.818		19.8		2.55		TAS				m_e	
TNS	150.50		PKPbc	17:22:48.076		19.8		2.55		TAS				m_e	
TNS	150.50		PKPab	17:22:56.534		19.8		2.55		TAS				m_e	
WERD	149.53		PKPbc	17:22:45.634		19.8		2.55		TAS				m_e	
WERD	149.53		PKPab	17:22:53.167		19.8		2.55		TAS				m_e	
WERN	149.66		PKPab	17:22:54.026		19.8		2.55		TAS				m_e	
WLF	151.36		PKPab	17:23:00.962		19.8		2.55		TAS				m_e	

Event 70116013 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/16	20:47:38.10			-13.4800	166.5300				10.0					135.49	140.83	m i ke	EMSC
OrigID 70116045																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	70116019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	140.83		L	22:12:04.610						T__		963.6	20.70	a_e Ms	5.5
BRG	136.58		PKPdf	21:07:00.020		37.9		1.29		TAS				m_e	
BSEG	135.49		L	22:07:13.353						T__		1601.2	21.60	a_e Ms	5.7
CLL	136.63		L	22:08:08.360						T__		2019.6	21.90	a_e Ms	5.8
FBE	136.79		PKPdf	21:07:00.537		37.9		1.29		TAS				m_e	
FUR	139.78		L	22:16:37.117						T__		1917.8	18.30	a_e Ms	5.9
GEC2	138.21		L	22:12:49.353						T__		1971.8	19.30	a_e Ms	5.9
GRA1	138.60		PKPdf	21:07:03.572		37.9		1.29		TAS				m_e	
GRA1	138.60		L	22:10:28.339						T__		1723.0	20.80	a_e Ms	5.8
MOX	137.69		L	22:11:10.403						T__		1744.5	20.50	a_e Ms	5.8
NRDL	136.75		PKPdf	21:07:00.640		37.9		1.29		TAS				m_e	
TNS	139.22		L	22:11:43.717						T__		2731.3	20.90	a_e Ms	6.0

Event 70117008 Cuba region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/01/17	09:08:09.35			19.4530	-75.2370				33.0					30	69.91	74.93	m i ke	BGR
OrigID 70117014																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	70117014
Ms	5.3		BGR	70117014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	70.40		P	09:19:20.327	-0.1	280.3		5.92		TAS		62.1	1.30	m_e mb	5.6
ASSE	72.41		P	09:19:32.074	-0.4	280.3		5.92		TAS		67.6	1.51	m_e mb	5.6
BFO	71.51		P	09:19:26.610	-0.1	280.3		5.92		TAS		33.8	1.44	m_e mb	5.3
BFO	71.51		L	09:46:12.773						T__		2667.1	19.50	a_e Ms	5.5
BRG	74.65		P	09:19:45.012		280.3		5.92		TAS		47.2	1.47	m_e mb	5.3
BSEG	71.93		P	09:19:28.725	0.2	280.3		5.92		TAS		40.5	1.35	m_e mb	5.4
BSEG	71.93		L	09:45:47.066						T__		1371.2	20.00	a_e Ms	5.2
BUG	70.41		P	09:19:19.905	0.2	280.3		5.92		TAS		43.7	1.04	m_e mb	5.5
CLL	73.98		P	09:19:41.063		280.3		5.92		TAS		40.5	1.41	m_e mb	5.3
CLL	73.98		L	09:49:28.105						T__		1900.6	18.80	a_e Ms	5.4
CLZ	72.28		P	09:19:31.277	-0.2	280.3		5.92		TAS		90.5	1.38	m_e mb	5.7
FBE	74.28		P	09:19:43.044		280.3		5.92		TAS		65.5	1.45	a_e mb	5.5

FLT1	72.72	P	09:19:33.300	0.2	280.3	5.92	TAS	70.2	1.31	m_e	mb	5.6
FUR	73.48	L	09:45:26.529				T__	2113.5	21.80	a_e	Ms	5.4
GEC2	74.93	P	09:19:46.895		280.3	5.92	TAS	62.6	1.38	m_e	mb	5.5
GEC2	74.93	L	09:48:59.552				T__	1829.0	20.30	a_e	Ms	5.4
GOR1	72.66	P	09:19:33.030	-0.0	280.3	5.92	TAS	65.6	1.30	m_e	mb	5.6
GRA1	73.17	P	09:19:36.458	0.3	280.3	5.92	TAS	38.3	1.51	m_e	mb	5.3
GRA1	73.17	L	09:45:40.391				T__	1447.1	21.80	a_e	Ms	5.2
GTTG	72.07	P	09:19:29.994	-0.1	280.3	5.92	TAS	76.2	1.39	m_e	mb	5.6
GUNZ	73.75	P	09:19:39.882	-0.2	280.3	5.92	TAS	39.9	1.35	m_e	mb	5.3
IBBN	70.61	P	09:19:21.113	-0.2	280.3	5.92	TAS	147.8	1.49	m_e	mb	5.9
KAST	71.16	P	09:19:24.354	0.2	280.3	5.92	TAS	35.7	1.32	m_e	mb	5.3
MANZ	73.68	P	09:19:39.644	0.1	280.3	5.92	TAS	7.1	1.25	m_e	mb	4.6
MOX	73.25	P	09:19:36.844	-0.0	280.3	5.92	TAS	44.8	1.36	a_e	mb	5.4
MOX	73.25	L	09:45:53.219				T__	2097.1	21.40	a_e	Ms	5.4
NEUB	73.25	P	09:19:37.047	0.2	280.3	5.92	TAS	69.7	1.34	m_e	mb	5.6
NRDL	72.01	P	09:19:29.742	0.1	280.3	5.92	TAS	84.0	1.33	m_e	mb	5.7
RETH	71.53	P	09:19:26.808	-0.0	280.3	5.92	TAS	71.3	1.33	m_e	mb	5.6
RGN	73.57	P	09:19:38.757	-0.0	280.3	5.92	TAS	76.4	1.07	m_e	mb	5.7
ROTZ	73.78	P	09:19:40.195	-0.2	280.3	5.92	TAS	13.5	1.32	m_e	mb	4.8
TANN	73.82	P	09:19:40.346	0.0	280.3	5.92	TAS	49.5	1.24	m_e	mb	5.4
TNS	71.31	P	09:19:25.694	0.2	280.3	5.92	TAS	60.0	1.37	m_e	mb	5.5
TNS	71.31	L	09:44:09.912				T__	1596.8	21.60	a_e	Ms	5.2
UBBA	72.21	P	09:19:30.640	0.2	280.3	5.92	TAS	42.9	1.43	m_e	mb	5.4
WERD	73.72	P	09:19:39.692	0.0	280.3	5.92	TAS	41.9	1.31	m_e	mb	5.3
WERN	73.79	P	09:19:40.064	0.1	280.3	5.92	TAS	49.4	1.35	m_e	mb	5.4
WLF	69.91	P	09:19:17.255	0.0	280.3	5.92	TAS	86.4	1.65	m_e	mb	5.6

Event 70117009 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/17	10:41:13.52		29.4140	52.6040				33.0				11		35.93	40.36	m i ke	BGR
OrigID 70117015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70117015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	38.29	P		10:48:31.903		111.7		9.62		TAS		11.9	1.28	m_e	mb	4.5
BFO	38.67	L		11:07:00.046						T__		165.7	18.30	a_e		
BRG	35.93	P		10:48:10.866	-0.1	111.7		9.62		TAS		10.8	1.04	m_e	mb	4.6
CLL	36.65	P		10:48:16.834	0.4	111.7		9.62		TAS		25.8	1.22	m_e	mb	4.8
CLL	36.65	L		11:05:15.925						T__		230.3	19.10	a_e		
CLZ	38.37	P		10:48:31.398		111.7		9.62		TAS		59.4	1.33	m_e	mb	5.1
FLT1	38.04	P		10:48:29.402		111.7		9.62		TAS		35.7	1.18	m_e	mb	5.0
GRA1	37.18	P		10:48:21.347		111.7		9.62		TAS		20.3	0.67	m_e	mb	5.0
GRA1	37.18	L		11:05:02.307						T__		197.8	18.50	a_e		

KAST	39.34	P	10:48:40.707	111.7	9.62	TAS	42.6	1.44	m_e	mb	4.9
MOX	37.24	L	11:02:44.994			T__	274.5	20.40	a_e		
NRDL	38.74	P	10:48:35.363	111.7	9.62	TAS	42.0	1.06	m_e	mb	5.0
RETH	39.25	P	10:48:40.018	111.7	9.62	TAS	24.4	1.14	m_e	mb	4.7
ROTZ	36.60	P	10:48:15.873	0.1 111.7	9.62	TAS	9.3	1.44	m_e	mb	4.3
WLF	40.36	P	10:48:47.587	111.7	9.62	TAS	13.9	1.03	m_e	mb	4.5

Event 70117010 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/17	11:48:36.83			4.6750	95.5410				10.0			30		81.09	86.08	m i ke	BGR
70117016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70117016
Ms	4.2		BGR	70117016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.45		P	12:01:14.657		91.3		5.19		TAS		22.8	1.01	m_e	mb	5.4
ASSE	83.18		P	12:01:02.471	0.3	91.3		5.19		TAS		37.5	1.58	m_e	mb	5.4
BFO	84.68		P	12:01:10.073	-0.0	91.3		5.19		TAS		18.9	0.82	m_e	mb	5.4
BRG	81.09		P	12:00:51.816	-0.1	91.3		5.19		TAS		83.0	1.79	m_e	mb	5.5
BSEG	83.43		P	12:01:04.257	-0.4	91.3		5.19		TAS		92.5	1.63	m_e	mb	5.8
BUG	85.30		P	12:01:13.800		91.3		5.19		TAS		57.0	1.51	m_e	mb	5.6
CLL	81.70		P	12:00:54.742	-0.1	91.3		5.19		TAS		30.2	1.27	m_e	mb	5.3
CLL	81.70		L	12:36:28.586						T__		93.5	19.40	a_e	Ms	4.2
CLZ	83.36		P	12:01:03.802	0.4	91.3		5.19		TAS		28.6	0.96	m_e	mb	5.5
FBE	81.46		P	12:00:54.007	0.2	91.3		5.19		TAS		143.2	1.81	m_e	mb	5.7
FLT1	82.84		P	12:01:00.228	-0.3	91.3		5.19		TAS		159.5	2.91	m_e	mb	5.7
GEC2	81.13		P	12:00:52.207	0.1	91.3		5.19		TAS		315.7	2.15	m_e	mb	6.0
GOR1	82.82		P	12:01:00.559	-0.7	91.3		5.19		TAS		114.8	1.79	m_e	mb	5.8
GRA1	82.78		P	12:01:01.247	0.1	91.3		5.19		TAS		88.1	1.56	m_e	mb	5.8
GRA1	82.78		L	12:31:50.926						T__		99.8	21.60	a_e	Ms	4.1
GTTG	83.61		P	12:01:05.061	0.1	91.3		5.19		TAS		54.7	1.47	m_e	mb	5.6
GUNZ	82.09		P	12:00:57.207	0.0	91.3		5.19		TAS		55.4	1.73	m_e	mb	5.4
IBBN	84.98		P	12:01:12.157		91.3		5.19		TAS		41.4	1.16	m_e	mb	5.6
KAST	84.58		P	12:01:10.012	0.1	91.3		5.19		TAS		40.1	1.66	m_e	mb	5.4
MANZ	82.22		P	12:00:58.279	-0.2	91.3		5.19		TAS		15.4	1.39	m_e	mb	4.9
MOX	82.55		P	12:00:59.478	-0.2	91.3		5.19		TAS		50.7	1.71	m_e	mb	5.5
MOX	82.55		L	12:31:50.631						T__		115.5	21.60	a_e	Ms	4.2
NEUB	82.47		P	12:00:58.870	-0.0	91.3		5.19		TAS		43.6	1.40	m_e	mb	5.4
NRDL	83.54		P	12:01:04.934	0.1	91.3		5.19		TAS		53.0	1.32	m_e	mb	5.6
RETH	83.99		P	12:01:06.898	-0.5	91.3		5.19		TAS		57.7	1.51	m_e	mb	5.6
ROTZ	82.15		P	12:00:57.807	0.5	91.3		5.19		TAS		7.8	1.00	m_e	mb	4.8
RUE	81.29		P	12:00:52.707	-0.2	91.3		5.19		TAS		162.3	1.55	m_e	mb	5.8
TANN	82.01		P	12:00:56.551	0.0	91.3		5.19		TAS		27.2	1.42	m_e	mb	5.2

TNS	84.58	P	12:01:10.138	0.1	91.3	5.19	TAS	21.4	0.97	m_e	mb	5.3
UBR	83.49	P	12:01:03.997	-0.0	91.3	5.19	TAS	18.4	0.71	m_e	mb	5.4
WERD	82.11	P	12:00:57.184	0.4	91.3	5.19	TAS	19.8	1.02	m_e	mb	5.2
WERN	82.06	P	12:00:56.923	0.1	91.3	5.19	TAS	12.5	0.93	m_e	mb	5.0
WLF	86.08	P	12:01:17.781		91.3	5.19	TAS	31.9	1.24	m_e	mb	5.3

Event 70118001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	05:59:05.03			-16.1570	-173.6270				33.0					145.34	146.32	m i ke	BGR
OrigID 70118007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	70118007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	146.32		PKPbc	06:18:41.582		8.4		3.03		TAS				m_e		
GRA1	146.32		L	07:22:41.837						T__		108.1	18.30	a_e	Ms	4.7
MOX	145.34		L	07:21:01.185						T__		113.9	18.40	a_e	Ms	4.7
TNS	145.98		L	07:29:55.868						T__		146.8	19.30	a_e	Ms	4.8

Event 70118022 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	08:50:23.50			-14.9940	-173.8540				65.0					144.17	146.71	m i ke	SEL3
OrigID 70118061																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	70118028

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	146.71		PKPdf	09:09:58.646		8.6		2.93		TAS				m_e		
GEC2	145.68		PKPdf	09:09:55.832		8.6		2.93		TAS				m_e		
GRA1	145.15		PKPdf	09:09:54.377		8.6		2.93		TAS				m_e		
GRA1	145.15		L	10:13:01.009						T__		94.6	18.70	a_e	Ms	4.6
MOX	144.17		L	10:13:06.924						T__		88.7	19.50	a_e	Ms	4.5
ROTZ	144.97		PKPdf	09:09:53.657		8.6		2.93		TAS				m_e		
TNS	144.82		L	10:15:12.233						T__		78.0	19.90	a_e	Ms	4.5
WLF	145.42		PKPdf	09:09:55.192		8.6		2.93		TAS				m_e		

Event 70118002 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	09:25:37.18	0.55	1.00	42.1180	13.7520	10.0	7.8	46	10.0			41	309	4.43	12.04	m i ke	BGR
70118008																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.8		BGR	70118008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	9.60		Pn	09:27:54.680	2.2					T__	15.2				m_e	
ARSA	5.28		Pn	09:26:55.475	1.1					T__	172.0				m_e	
ASSE	10.23		Pn	09:28:01.274	0.4					T__	4.9				m_e	
BALST	6.77		Sn	09:28:24.759	-0.2					T__	5.3				m_e	
BALST	6.77		Pn	09:27:12.917	-1.4					T__	91.2				m_e	
BFO	7.29		Pn	09:27:20.328	-1.1					T__	62.8				m_e	
BRG	8.76		Pn	09:27:40.995	-0.1					T__	9.2				m_e	
BSEG	12.04		Pn	09:28:25.952	0.7					T__	3.9				m_e	
BUG	10.33		Pn	09:28:03.956	1.8					T__	3.3				m_e	
CLL	9.21		Pn	09:27:46.912	-0.2					T__	18.2				m_e	
DAVA	5.86		Sn	09:28:04.860	1.1					T__	4.4				m_e	
DAVA	5.86		Pn	09:27:02.507	0.5					T__	192.5				m_e	
FBE	8.81		Pn	09:27:41.469	-0.3					T__	4.8				m_e	
FLT1	10.36		Pn	09:28:02.155	-0.5					T__	2.4				m_e	
FUR	6.29		Pn	09:27:08.447	0.5					T__	7.2				m_e	
GEC2	6.73		Sn	09:28:23.779	-0.3					T__	5.1				m_e	
GEC2	6.73		Pn	09:27:13.450	-0.3					T__	42.3			m_e	ML	5.8
GRA1	7.78		Pn	09:27:26.098	-1.8					T__	8.1				m_e	
GTTG	9.78		Pn	09:27:55.068	0.2					T__	8.6				m_e	
GUNZ	8.31		Pn	09:27:35.378	0.4					T__	49.2				m_e	
IBBN	10.97		Pn	09:28:13.263	2.4					T__	1.4				m_e	
KAST	9.80		Pn	09:27:55.234	0.2					T__	33.0				m_e	
KBA	4.97		Sn	09:27:42.486	-0.5					T__	2.1				m_e	
KBA	4.97		Pn	09:26:50.269	0.2					T__	208.4				m_e	
MANZ	7.95		Sn	09:28:50.547	-2.1					T__	3.4				m_e	
MANZ	7.95		Pn	09:27:29.729	-0.5					T__	27.7				m_e	
MOA	5.74		Sn	09:28:02.283	1.2					T__	4.7				m_e	
MOA	5.74		Pn	09:27:01.344	0.8					T__	166.8				m_e	
MOX	8.66		Pn	09:27:38.257	-1.4					T__	56.6				m_e	
NEUB	9.18		Pn	09:27:46.747	-0.0					T__	2.3				m_e	
NRDL	10.67		Pn	09:28:08.197	1.4					T__	7.3				m_e	
OBKA	4.43		Pn	09:26:42.928	0.1					T__	88.1				m_e	
PLONS	5.83		Sn	09:28:02.551	-0.6					T__	8.9				m_e	
PLONS	5.83		Pn	09:27:01.867	0.1					T__	192.9				m_e	
RETH	11.03		Pn	09:28:12.492	0.9					T__	30.8				m_e	
ROTZ	7.73		Sn	09:28:45.485	-1.8					T__	5.5				m_e	
ROTZ	7.73		Pn	09:27:26.272	-0.9					T__	23.7			m_e	ML	5.6
SLE	6.77		Pn	09:27:12.776	-1.5					T__	51.7				m_e	
STU	7.38		Pn	09:27:23.116	0.5					T__	3.3				m_e	

SULZ	6.73	Sn	09:28:24.108	-0.1	T__	5.0	m_e		
SULZ	6.73	Pn	09:27:12.333	-1.5	T__	51.5	m_e		
TANN	8.35	Pn	09:27:34.484	-1.1	T__	31.9	m_e		
TNS	8.90	Pn	09:27:42.178	-0.8	T__	33.2	m_e		
UBBA	9.08	Pn	09:27:44.663	-0.7	T__	12.0	m_e		
UBR	6.13	Sn	09:28:11.601	1.4	T__	5.7	m_e		
UBR	6.13	Pn	09:27:05.612	-0.2	T__	89.1	m_e	ML	6.0
WERD	8.39	Pn	09:27:36.253	0.1	T__	36.7	m_e		
WERN	8.23	Pn	09:27:33.540	-0.4	T__	33.7	m_e		
WILA	6.32	Sn	09:28:15.136	0.6	T__	4.7	m_e		
WILA	6.32	Pn	09:27:07.681	-0.6	T__	10.8	m_e		
WLF	9.22	Pn	09:27:47.394	0.1	T__	11.7	m_e		
WTTA	5.36	Sn	09:27:53.203	1.1	T__	3.8	m_e		
WTTA	5.36	Pn	09:26:56.108	0.7	T__	192.7	m_e		

Event 70118003 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	10:14:05.27	0.66	0.95	42.0020	13.6130	11.1	10.0	94	10.0			34	310	4.56	11.12	m i ke	BGR
70118009																	

Magnitude Err Nsta Author OrigID
 ML 6.0 BGR 70118009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.42		Pn	10:15:25.456	1.2					T__	80.0			m_e	
BALST	6.80		Pn	10:15:42.571	-0.2					T__	84.2			m_e	
BFO	7.35		Sn	10:17:05.927	-0.6					T__	2.2			m_e	
BFO	7.35		Pn	10:15:49.113	-1.1					T__	109.9			m_e	ML 5.9
BRG	8.88		Pn	10:16:10.028	-0.8					T__	12.1			m_e	
CLL	9.32		Pn	10:16:16.528	-0.2					T__	38.3			m_e	
CLZ	10.09		Pn	10:16:27.324	0.3					T__	18.1			m_e	
DAVA	5.92		Pn	10:15:31.857	0.9					T__	278.9			m_e	
FBE	8.92		Pn	10:16:11.214	-0.2					T__	14.4			m_e	
FUR	6.38		Pn	10:15:38.069	0.9					T__	12.5			m_e	
GEC2	6.84		Sn	10:16:55.438	0.6					T__	6.7			m_e	
GEC2	6.84		Pn	10:15:42.746	-0.7					T__	118.8			m_e	ML 6.1
GRA1	7.87		Pn	10:15:55.831	-1.4					T__	29.5			m_e	
GTTG	9.87		Pn	10:16:24.348	0.2					T__	9.5			m_e	
GUNZ	8.41		Pn	10:16:05.432	0.9					T__	96.4			m_e	
KAST	9.87		Pn	10:16:24.241	0.1					T__	25.8			m_e	
KBA	5.08		Sn	10:16:12.935	-0.7					T__	3.9			m_e	
KBA	5.08		Pn	10:15:20.396	0.7					T__	391.3			m_e	ML 5.8
MANZ	8.05		Pn	10:15:59.164	-0.6					T__	58.7			m_e	
MOA	5.87		Sn	10:16:33.213	1.2					T__	6.5			m_e	
MOA	5.87		Pn	10:15:30.983	0.7					T__	293.4			m_e	ML 5.8

MOX	8.75	Pn	10:16:08.346	-0.8	T__	69.0	m_e		
NEUB	9.28	Pn	10:16:16.635	0.4	T__	12.4	m_e		
OBKA	4.56	Pn	10:15:12.849	0.2	T__	111.7	m_e		
PLONS	5.88	Pn	10:15:31.435	0.9	T__	208.3	m_e		
RETH	11.12	Pn	10:16:42.430	1.5	T__	22.5	m_e		
ROTZ	7.83	Sn	10:17:15.603	-2.2	T__	4.0	m_e		
ROTZ	7.83	Pn	10:15:55.670	-1.0	T__	34.3	m_e		
SLE	6.81	Pn	10:15:41.927	-1.1	T__	131.5	m_e		
SULZ	6.77	Pn	10:15:42.379	-0.1	T__	76.7	m_e		
TANN	8.45	Pn	10:16:04.787	-0.3	T__	56.3	m_e		
TNS	8.97	Pn	10:16:11.007	-1.0	T__	32.5	m_e		
UBBA	9.16	Pn	10:16:14.557	-0.1	T__	17.9	m_e		
UBR	6.20	Sn	10:16:41.955	2.1	T__	3.1	m_e	ML	6.2
WERD	8.50	Pn	10:16:05.310	-0.3	T__	65.6	m_e		
WERN	8.33	P	10:16:03.490	-2.1	T__		m_e		
WILA	6.37	Sn	10:16:43.520	-0.1	T__	3.1	m_e		
WILA	6.37	Pn	10:15:37.082	0.1	T__	25.4	m_e	ML	6.2
WLF	9.26	Pn	10:16:17.157	1.2	T__	15.6	m_e		
WTTA	5.45	Pn	10:15:25.594	1.0	T__	290.5	m_e		

Event 70118004 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	10:25:19.43	0.64	1.05	41.9460	13.8030	12.2	8.9	32	10.0			32	311	4.59	11.21	m i ke	BGR
70118010																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.9		BGR	70118010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	9.77		Pn	10:27:38.882	1.9					T__	12.7			m_e	
ARSA	5.44		Sn	10:27:37.240	0.9					T__	3.5			m_e	
ARSA	5.44		Pn	10:26:39.307	0.6					T__	7.5			m_e	ML 5.6
BALST	6.93		Sn	10:28:10.026	-0.9					T__	6.5			m_e	ML 5.9
BFO	7.46		Sn	10:28:21.530						T__				m_e	
BFO	7.46		Pn	10:27:04.895	-1.0					T__	17.9			m_e	ML 5.7
BRG	8.93		Pn	10:27:24.630	-1.0					T__	12.0			m_e	
CLL	9.38		Pn	10:27:31.729	0.0					T__	12.9			m_e	
CLZ	10.17		Pn	10:27:42.164	-0.2					T__	9.7			m_e	
DAVA	6.03		Sn	10:27:52.583	2.6					T__	3.1			m_e	
DAVA	6.03		Pn	10:26:47.695	1.1					T__	27.2			m_e	ML 6.0
FBE	8.98		Pn	10:27:25.070	-1.3					T__	4.6			m_e	
FUR	6.47		Pn	10:26:53.580	1.0					T__	10.3			m_e	
GEC2	6.90		Pn	10:26:57.484	-0.9					T__	15.0			m_e	ML 5.9
GEC2	6.90		Sn	10:28:10.609	0.3					T__	3.0			m_e	
GRA1	7.95		Pn	10:27:12.120	-0.4					T__	5.5			m_e	

GUNZ	8.48	Pn	10:27:19.161	-0.5	T__	11.4	m_e		
KAST	9.97	Pn	10:27:39.310	-0.3	T__	12.4	m_e		
KBA	5.14	Sn	10:27:27.054	-2.2	T__	3.9	m_e		
KBA	5.14	Pn	10:26:34.823		T__	5.7	m_e	ML	5.8
MANZ	8.13	Pn	10:27:14.187	-0.7	T__	13.4	m_e		
MOA	5.91	Pn	10:26:46.411	1.4	T__	10.4	m_e		
MOX	8.83	Pn	10:27:23.466	-0.9	T__	18.7	m_e		
NEUB	9.36	Pn	10:27:30.979	-0.4	T__	6.9	m_e		
OBKA	4.59	Pn	10:26:27.368		T__	8.8	m_e		
PLONS	6.00	Sn	10:27:50.071	0.7	T__	5.3	m_e		
PLONS	6.00	Pn	10:26:47.169	0.9	T__	11.8	m_e	ML	5.7
RETH	11.21	Pn	10:27:57.113	0.9	T__	14.6	m_e		
ROTZ	7.90	Pn	10:27:10.903	-0.9	T__	10.1	m_e		
SLE	6.93	Sn	10:28:09.746	-1.3	T__	3.3	m_e		
SLE	6.93	Pn	10:26:57.830	-1.0	T__	18.1	m_e	ML	5.8
SULZ	6.90	Sn	10:28:08.634	-1.6	T__	4.1	m_e	ML	6.1
TANN	8.52	Pn	10:27:20.223	0.1	T__	14.2	m_e		
TNS	9.07	Pn	10:27:27.489	-0.1	T__	17.4	m_e		
UBBA	9.25	Pn	10:27:28.962	-1.1	T__	9.5	m_e		
UBR	6.31	Sn	10:27:56.074	-0.4	T__	2.2	m_e		
UBR	6.31	Pn	10:26:51.207	0.8	T__	16.5	m_e	ML	6.0
WERD	8.57	Pn	10:27:20.708	-0.1	T__	11.0	m_e		
WILA	6.49	Sn	10:28:00.538	-0.1	T__	2.4	m_e		
WILA	6.49	Pn	10:26:52.751	-0.0	T__	9.7	m_e	ML	6.0
WLF	9.38	Pn	10:27:32.576	0.8	T__	15.1	m_e		
WTTA	5.54	Sn	10:27:40.448	1.9	T__	2.7	m_e		
WTTA	5.54	Pn	10:26:41.240	1.2	T__	11.3	m_e	ML	6.0

Event 70118021 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	10:39:24.50			42.5400	13.2900				10.0					4.07	7.78	m i ke	INGV
70118111																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		BGR	70118027

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.97		Sn	10:41:35.069						T__	3.3			m_e	ML 3.9
BFO	6.76		Sn	10:42:19.404						T__	3.0			m_e	ML 4.3
DAVA	5.33		Sn	10:41:49.106						T__	3.5			m_e	
DAVA	5.33		Pn	10:40:48.048						T__	3.7			m_e	ML 4.5
GEC2	6.31		Sn	10:42:08.214						T__	8.0			m_e	ML 4.5
GRA1	7.30		Sn	10:42:30.145						T__	1.6			m_e	
KBA	4.54		Sn	10:41:26.042						T__	9.0			m_e	
KBA	4.54		Pn	10:40:39.382						T__	2.4			m_e	ML 4.6

MANZ	7.49	Sn	10:42:34.790	T__	4.2	m_e		
MOA	5.35	Pn	10:40:47.506	T__	4.2	m_e		
MOA	5.35	Sn	10:41:47.526	T__	4.8	m_e		
OBKA	4.07	Pn	10:40:39.247	T__	1.5	m_e		
PLONS	5.30	Sn	10:41:46.347	T__	3.7	m_e		
PLONS	5.30	Pn	10:40:47.819	T__	2.7	m_e ML		4.2
ROTZ	7.27	Sn	10:42:30.097	T__	5.6	m_e		
UBR	5.61	Sn	10:41:54.518	T__	4.6	m_e ML		4.5
WERN	7.78	Sn	10:42:42.421	T__	1.7	m_e		
WILA	5.78	Sn	10:41:58.871	T__	3.0	m_e ML		4.5
WTTA	4.87	Sn	10:41:36.240	T__	4.8	m_e ML		4.5

Event 70118005 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	11:07:33.92	0.63	0.95	42.1880	13.6350	10.0	8.9	28	10.0				25 309	4.37	10.94	m i ke	BGR
70118011																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.7		BGR	70118011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.24		Sn	11:09:44.980	-1.0					T__	2.9			m_e	
ARSA	5.24		Pn	11:08:50.986	0.6					T__	18.1			m_e ML	4.2
BALST	6.66		Pn	11:09:09.012	-0.6					T__	11.8			m_e ML	5.0
BFO	7.19		Sn	11:10:30.645	-0.9					T__	3.6			m_e	
BFO	7.19		Pn	11:09:16.145	-0.6					T__	7.7			m_e ML	4.6
DAVA	5.76		Sn	11:09:59.626	1.5					T__	3.0			m_e	
DAVA	5.76		Pn	11:08:58.188	0.8					T__	22.1			m_e ML	4.8
FUR	6.20		Sn	11:10:08.630	0.1					T__	1.1			m_e ML	5.0
GEC2	6.66		Sn	11:10:18.640	-0.5					T__	5.5			m_e ML	4.7
GUNZ	8.23		Pn	11:09:30.922	0.2					T__	5.7			m_e	
KBA	4.89		Sn	11:09:36.737	-1.2					T__	2.5			m_e	
KBA	4.89		Pn	11:08:45.765	-0.1					T__	16.1			m_e ML	4.5
MANZ	7.87		Pn	11:09:25.604	-0.3					T__	4.0			m_e	
MOA	5.68		Sn	11:09:56.897	0.6					T__	3.6			m_e	
MOA	5.68		Pn	11:08:56.779	0.4					T__	8.0			m_e ML	4.5
MOX	8.57		Pn	11:09:34.385	-0.9					T__	4.9			m_e	
OBKA	4.37		Pn	11:08:38.641	-0.1					T__	13.8			m_e	
PLONS	5.73		Sn	11:09:58.807	1.3					T__	4.2			m_e	
PLONS	5.73		Pn	11:08:58.325	1.2					T__	18.2			m_e ML	4.5
RETH	10.94		Pn	11:10:08.332	1.2					T__	4.0			m_e	
ROTZ	7.65		Pn	11:09:22.233	-0.6					T__	5.0			m_e	
SLE	6.66		Sn	11:10:16.911	-2.3					T__	2.0			m_e	
SLE	6.66		Pn	11:09:08.375	-1.2					T__	13.1			m_e ML	4.7
SULZ	6.63		Sn	11:10:17.271	-1.1					T__	5.6			m_e	

SULZ	6.63	Pn	11:09:08.428	-0.7	T__	7.8	m_e	ML	5.0
TANN	8.27	Pn	11:09:30.823	-0.4	T__	4.8	m_e		
TNS	8.80	Pn	11:09:38.847	0.4	T__	5.4	m_e		
UBR	6.03	Sn	11:10:05.628	1.0	T__	3.1	m_e	ML	4.9
WERD	8.31	Pn	11:09:32.310	0.5	T__	4.4	m_e		
WERN	8.15	Pn	11:09:28.979	-0.6	T__	3.6	m_e		
WILA	6.21	Sn	11:10:08.451	-0.3	T__	2.9	m_e		
WILA	6.21	Pn	11:09:03.325	-0.3	T__	8.5	m_e	ML	4.9
WLF	9.11	Pn	11:09:43.697	1.1	T__	4.6	m_e		
WTTA	5.27	Sn	11:09:48.981	2.2	T__	2.2	m_e		
WTTA	5.27	Pn	11:08:51.583	0.7	T__	13.3	m_e	ML	4.8

Event 70118006 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	11:18:24.74			52.7490	177.6260				33.0			19		73.16	77.87	m i ke	BGR
	70118012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70118012
Ms	4.4		BGR	70118012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.78		P	11:30:10.699	-0.1	8.4		5.63		TAS		39.3	0.74	m_e	mb 5.6
ASSE	74.92		P	11:30:00.351	-0.1	8.4		5.63		TAS		25.2	1.41	m_e	mb 5.1
BRG	75.84		P	11:30:05.523	0.1	8.4		5.63		TAS		14.6	0.74	m_e	mb 5.2
BSEG	73.16		P	11:29:50.676	-0.3	8.4		5.63		TAS		52.5	0.84	m_e	mb 5.7
BUG	75.87		P	11:30:05.440	-0.3	8.4		5.63		TAS		31.4	0.99	m_e	mb 5.4
CLL	75.51		P	11:30:03.445	0.3	8.4		5.63		TAS		17.0	1.00	m_e	mb 5.1
CLZ	75.23		P	11:30:02.518	0.0	8.4		5.63		TAS		39.4	0.79	m_e	mb 5.5
GEC2	77.87		P	11:30:17.043	-0.2	8.4		5.63		TAS		14.7	0.95	m_e	mb 5.1
GRA1	77.29		P	11:30:14.199	-0.2	8.4		5.63		TAS		40.5	0.87	m_e	mb 5.6
GRA1	77.29		L	12:03:48.354						T__		193.3	18.70	a_e	Ms 4.4
GUNZ	76.51		P	11:30:09.494	-0.1	8.4		5.63		TAS		14.0	0.97	m_e	mb 5.1
IBBN	74.97		P	11:30:01.030	0.3	8.4		5.63		TAS		91.8	0.98	m_e	mb 5.8
MOX	76.31		P	11:30:08.072		8.4		5.63		TAS		20.2	0.99	m_e	mb 5.2
MOX	76.31		L	12:01:19.127						T__		177.4	18.30	a_e	Ms 4.4
NRDL	74.61		P	11:29:58.452		8.4		5.63		TAS		33.1	1.13	m_e	mb 5.3
PLN	76.41		P	11:30:08.603		8.4		5.63		TAS		13.3	0.88	m_e	mb 5.1
RETH	74.43		P	11:29:57.838		8.4		5.63		TAS		44.4	1.01	m_e	mb 5.4
TNS	77.00		P	11:30:12.018		8.4		5.63		TAS		26.5	0.80	m_e	mb 5.4
WERD	76.43		P	11:30:09.091		8.4		5.63		TAS		16.8	1.13	m_e	mb 5.1
WERN	76.58		P	11:30:10.097		8.4		5.63		TAS		34.9	0.88	m_e	mb 5.5
WLF	77.71		P	11:30:16.025		8.4		5.63		TAS		32.0	0.99	m_e	mb 5.4

Event 70118007 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	12:01:36.100	0.67	1.30	42.2030	13.6440	11.1	11.1	158	10.0			22	309	4.35	8.79	m i ke	BGR
70118013																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	70118013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.22		Sn	12:03:48.730	0.0					T__	2.1			m_e	
ARSA	5.22		Pn	12:02:53.335	0.0					T__	5.0			m_e	ML 3.9
BALST	6.65		Pn	12:03:11.911	-0.7					T__	5.8			m_e	
BFO	7.18		Sn	12:04:33.760	-0.7					T__	1.9			m_e	
BFO	7.18		Pn	12:03:19.280	-0.4					T__	4.3			m_e	ML 4.3
DAVA	5.75		Sn	12:04:03.345	2.4					T__	2.4			m_e	
DAVA	5.75		Pn	12:03:00.839	0.5					T__	7.0			m_e	ML 4.4
FBE	8.72		Sn	12:05:09.940	-0.5					T__	3.6			m_e	
GEC2	6.64		Sn	12:04:22.188	0.3					T__	6.4			m_e	
GEC2	6.64		Pn	12:03:11.760	-0.7					T__	4.2			m_e	ML 4.4
KBA	4.88		Sn	12:03:39.351	-1.4					T__	6.0			m_e	
KBA	4.88		Pn	12:02:48.682	-0.0					T__	9.0			m_e	ML 4.4
MANZ	7.86		Sn	12:04:48.210	-2.0					T__	5.8			m_e	ML 4.3
MOA	5.66		Sn	12:04:01.669	2.6					T__	3.1			m_e	
MOA	5.66		Pn	12:02:59.957	0.7					T__	11.4			m_e	ML 4.2
MOX	8.56		Sn	12:05:04.432	-2.1					T__	10.5			m_e	
MOX	8.56		Pn	12:03:38.753	0.5					T__	2.7			m_e	ML 4.4
OBKA	4.35		Pn	12:02:41.718	0.1					T__	6.1			m_e	
PLONS	5.72		Sn	12:04:01.268	0.9					T__	2.7			m_e	
PLONS	5.72		Pn	12:03:00.776	0.7					T__	8.2			m_e	ML 4.1
ROTZ	7.63		Sn	12:04:41.903	-3.0					T__	5.3			m_e	ML 4.2
SLE	6.65		Sn	12:04:19.950	-2.1					T__	2.1			m_e	
SLE	6.65		Pn	12:03:11.181	-1.4					T__	3.8			m_e	ML 4.2
SULZ	6.62		Sn	12:04:20.589	-0.7					T__	1.9			m_e	
SULZ	6.62		Pn	12:03:10.536	-1.6					T__	2.6			m_e	ML 4.5
TANN	8.25		Sn	12:04:59.801	0.3					T__	3.6			m_e	ML 4.3
TNS	8.79		Sn	12:05:13.381	1.4					T__	2.7			m_e	
TNS	8.79		Pn	12:03:42.170	0.8					T__	2.6			m_e	
UBR	6.02		Sn	12:04:08.452	1.0					T__	2.2			m_e	ML 4.3
WERD	8.30		Sn	12:05:00.520	0.0					T__	2.2			m_e	ML 4.2
WERN	8.13		Pn	12:03:33.422	0.9					T__	3.0			m_e	
WILA	6.20		Sn	12:04:12.844	1.2					T__	1.0			m_e	ML 4.5
WTTA	5.26		Sn	12:03:51.846	2.3					T__	3.4			m_e	
WTTA	5.26		Pn	12:02:54.322	0.5					T__	7.1			m_e	ML 4.4

Event 70118009 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	13:33:34.49	0.55	1.08	42.1280	13.7130	8.9	7.8	42	10.0				31 309	4.42	11.01	m i ke	BGR
70118015																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.7		BGR	70118015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	9.58		Pn	13:35:51.721	2.3					T__	9.8			m_e	
ARSA	5.28		Sn	13:35:48.297	0.7					T__	4.4			m_e	
ARSA	5.28		Pn	13:34:52.595	1.0					T__	41.9			m_e	ML 5.3
BALST	6.74		Sn	13:36:21.302	-0.4					T__	5.7			m_e	
BALST	6.74		Pn	13:35:10.586	-0.7					T__	38.7			m_e	ML 5.7
BFO	7.27		Sn	13:36:32.820	-1.2					T__	3.6			m_e	
BFO	7.27		Pn	13:35:17.158	-1.2					T__	31.8			m_e	ML 5.5
BRG	8.75		Pn	13:35:37.407	-0.9					T__	7.4			m_e	
CLL	9.20		Pn	13:35:43.645	-0.6					T__	26.6			m_e	
DAVA	5.84		Sn	13:36:01.959	1.4					T__	3.6			m_e	
DAVA	5.84		Pn	13:34:59.718	0.7					T__	122.6			m_e	ML 5.8
GEC2	6.72		Sn	13:36:20.848	-0.3					T__	4.3			m_e	
GEC2	6.72		Pn	13:35:10.776	-0.2					T__	62.4			m_e	ML 5.7
GRA1	7.76		Sn	13:36:44.181	-1.3					T__	2.9			m_e	ML 6.0
GUNZ	8.29		Pn	13:35:31.774	-0.4					T__	31.6			m_e	
KAST	9.78		Pn	13:35:51.646	-0.5					T__	8.9			m_e	
KBA	4.96		Sn	13:35:39.543	-0.5					T__	4.3			m_e	
KBA	4.96		Pn	13:34:47.489	0.3					T__	119.4			m_e	ML 5.5
MANZ	7.94		Sn	13:36:47.093	-2.5					T__	3.6			m_e	
MANZ	7.94		Pn	13:35:27.212	-0.2					T__	18.3			m_e	ML 5.6
MOA	5.73		Sn	13:36:00.424	2.3					T__	3.6			m_e	
MOA	5.73		Pn	13:34:58.484	0.8					T__	145.8			m_e	ML 5.4
MOX	8.64		Sn	13:37:04.754	-1.2					T__	6.3			m_e	
MOX	8.64		Pn	13:35:36.652	-0.2					T__	30.5			m_e	ML 5.8
OBKA	4.42		Pn	13:34:40.104	0.1					T__	75.4			m_e	
PLN	8.43		Pn	13:35:33.395	-0.6					T__	12.5			m_e	
PLONS	5.81		Sn	13:36:00.576	0.6					T__	5.9			m_e	
PLONS	5.81		Pn	13:34:59.178	0.4					T__	89.9			m_e	ML 5.6
RETH	11.01		Pn	13:36:09.485	0.8					T__	14.0			m_e	
ROTZ	7.71		Sn	13:36:42.334	-2.0					T__	2.3			m_e	
ROTZ	7.71		Pn	13:35:24.101	-0.2					T__	17.2			m_e	ML 5.5
SLE	6.74		Sn	13:36:21.302	-0.4					T__	2.7			m_e	
SLE	6.74		Pn	13:35:09.805	-1.5					T__	34.8			m_e	ML 5.6
SULZ	6.71		Sn	13:36:20.231	-0.7					T__	3.9			m_e	
SULZ	6.71		Pn	13:35:10.133	-0.7					T__	32.4			m_e	ML 5.9
TANN	8.33		Pn	13:35:32.655	-0.0					T__	21.4			m_e	
TNS	8.88		Pn	13:35:40.656	0.6					T__	19.0			m_e	
UBBA	9.06		Pn	13:35:42.596	0.1					T__	10.5			m_e	

UBR	6.11	Sn	13:36:07.640	0.7	T__	3.3	m_e		
UBR	6.11	Pn	13:35:02.869	0.1	T__	70.3	m_e ML	5.8	
WERD	8.38	Pn	13:35:33.209	-0.1	T__	18.0	m_e		
WERN	8.21	Pn	13:35:30.414	-0.7	T__	23.8	m_e		
WILA	6.29	Sn	13:36:13.165	1.9	T__	3.5	m_e		
WILA	6.29	Pn	13:35:04.668	-0.6	T__	13.7	m_e ML	5.8	
WLF	9.19	Pn	13:35:45.483	1.2	T__	9.0	m_e		
WTTA	5.34	Sn	13:35:52.134	3.1	T__	2.6	m_e		
WTTA	5.34	Pn	13:34:52.900	0.5	T__	110.0	m_e ML	5.9	

Event 70118010 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	14:01:06.33	0.68	1.72	42.1220	13.6060	15.6	14.5	20	10.0				19 309	4.44	8.64	m i ke	BGR
70118016																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	70118016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.31		Sn	14:03:19.279	-0.7					T__	2.3			m_e	
ARSA	5.31		Pn	14:02:23.594	-0.2					T__	4.8			m_e ML	3.8
BALST	6.70		Sn	14:03:51.723	-0.8					T__	3.3			m_e	
BALST	6.70		Pn	14:02:41.703	-0.8					T__	3.4			m_e ML	4.2
BFO	7.24		Sn	14:04:03.871	-1.2					T__	1.9			m_e	
BFO	7.24		Pn	14:02:47.905	-1.9					T__	3.4			m_e ML	4.2
DAVA	5.81		Sn	14:03:36.922	5.2					T__	2.9			m_e	
DAVA	5.81		Pn	14:02:30.872	0.4					T__	6.9			m_e ML	4.2
GEC2	6.72		Sn	14:03:52.862	-0.2					T__	3.5			m_e	
GEC2	6.72		Pn	14:02:41.543	-1.3					T__	4.1			m_e ML	4.2
GUNZ	8.29		Pn	14:03:05.616	1.7					T__	2.5			m_e	
KBA	4.96		Sn	14:03:12.309	0.4					T__	3.2			m_e	
KBA	4.96		Pn	14:02:19.859	0.8					T__	4.3			m_e ML	4.1
MANZ	7.93		Sn	14:04:18.669	-2.7					T__	2.4			m_e ML	4.2
MOA	5.75		Sn	14:03:31.614	1.3					T__	2.6			m_e	
MOA	5.75		Pn	14:02:30.012	0.3					T__	7.9			m_e ML	3.9
MOX	8.64		Sn	14:04:36.131	-1.6					T__	2.9			m_e	
MOX	8.64		Pn	14:03:07.507	-1.1					T__	1.5			m_e ML	4.3
OBKA	4.44		Pn	14:02:11.863	-0.2					T__	3.0			m_e	
PLONS	5.78		Sn	14:03:33.127	2.1					T__	2.9			m_e	
PLONS	5.78		Pn	14:02:31.471	1.4					T__	4.3			m_e ML	3.9
ROTZ	7.71		Sn	14:04:14.874	-1.2					T__	3.3			m_e ML	4.1
SLE	6.71		Sn	14:03:48.497	-4.2					T__	3.0			m_e	
SLE	6.71		Pn	14:02:43.348	0.7					T__	1.8			m_e ML	4.2
SULZ	6.67		Sn	14:03:50.585	-1.2					T__	3.8			m_e	
SULZ	6.67		Pn	14:02:41.955	-0.2					T__	2.1			m_e ML	4.4

TANN	8.33	Pn	14:03:04.584	0.1	T__	2.1	m_e	
UBR	6.09	Sn	14:03:39.201	1.0	T__	1.3	m_e ML	4.3
WERD	8.38	Pn	14:03:05.874	0.8	T__	1.8	m_e	
WTTA	5.33	Sn	14:03:23.641	3.1	T__	2.1	m_e	
WTTA	5.33	Pn	14:02:24.416	0.3	T__	5.9	m_e ML	4.3

Event 70118011 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
OrigID																		
2017/01/18	15:16:07.37	0.60	1.33	42.1320	13.6980	12.2	11.1	26	10.0			28	309	4.42	11.01	m i ke	BGR	
70118017																		

Magnitude	Err	Nsta	Author	OrigID
ML	4.7		BGR	70118017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	9.57		Pn	15:18:24.346	2.1					T__	2.8			m_e	
ARSA	5.28		Pn	15:17:26.270	1.8					T__	14.4			m_e ML	4.4
ARSA	5.28		Sn	15:18:18.487	-2.0					T__	1.4			m_e	
BALST	6.73		Sn	15:18:56.883	2.5					T__	2.7			m_e	
BALST	6.73		Pn	15:17:42.860	-1.2					T__	10.2			m_e ML	4.8
BFO	7.26		Sn	15:19:04.954	-1.8					T__	2.1			m_e	
BFO	7.26		Pn	15:17:49.695	-1.5					T__	16.3			m_e ML	4.7
CLZ	9.97		Pn	15:18:27.944	0.3					T__	6.1			m_e	
DAVA	5.83		Sn	15:18:34.860	1.6					T__	2.8			m_e	
DAVA	5.83		Pn	15:17:32.355	0.5					T__	18.3			m_e ML	4.8
FUR	6.27		Pn	15:17:38.841	1.1					T__	1.5			m_e	
GEC2	6.71		Sn	15:18:53.879	-0.0					T__	3.0			m_e	
GEC2	6.71		Pn	15:17:42.898	-0.9					T__	8.8			m_e ML	4.7
GRA1	7.76		Pn	15:17:57.614	-0.2					T__	2.7			m_e	
GUNZ	8.29		Pn	15:18:04.721	-0.2					T__	8.9			m_e	
KAST	9.77		Pn	15:18:24.631	-0.2					T__	3.6			m_e	
KBA	4.95		Sn	15:18:12.082	-0.7					T__	4.4			m_e	
KBA	4.95		Pn	15:17:20.273	0.2					T__	21.8			m_e ML	4.6
MANZ	7.93		Pn	15:17:59.506	-0.7					T__	4.2			m_e	
MOA	5.73		Sn	15:18:33.175	2.2					T__	2.7			m_e	
MOA	5.73		Pn	15:17:30.554	0.0					T__	34.5			m_e ML	4.4
MOX	8.64		Sn	15:19:36.536	-2.2					T__	3.2			m_e	
MOX	8.64		Pn	15:18:08.608	-1.0					T__	11.4			m_e ML	4.7
OBKA	4.42		Pn	15:17:13.990	1.1					T__	18.7			m_e	
PLONS	5.80		Sn	15:18:33.775	1.1					T__	2.3			m_e	
PLONS	5.80		Pn	15:17:32.351	0.8					T__	21.2			m_e ML	4.7
RETH	11.01		Pn	15:18:42.665	1.2					T__	4.0			m_e	
ROTZ	7.71		Sn	15:19:15.903	-1.2					T__	2.4			m_e	
ROTZ	7.71		Pn	15:17:56.243	-0.9					T__	6.1			m_e ML	4.6
SLE	6.73		Sn	15:18:53.031	-1.4					T__	1.9			m_e	

SLE	6.73	Pn	15:17:42.518	-1.5	T__	13.1	m_e	ML	4.7
SULZ	6.70	Sn	15:18:51.349	-2.2	T__	2.5	m_e		
SULZ	6.70	Pn	15:17:42.525	-1.1	T__	9.4	m_e	ML	5.0
TANN	8.33	Pn	15:18:05.178	-0.3	T__	6.2	m_e		
TNS	8.87	Pn	15:18:12.869	0.1	T__	5.1	m_e		
UBR	6.10	Pn	15:17:35.178	-0.4	T__	16.5	m_e		
WERD	8.37	Pn	15:18:06.222	0.1	T__	7.9	m_e		
WERN	8.21	Pn	15:18:03.823	-0.1	T__	6.4	m_e		
WLF	9.18	Pn	15:18:17.790	0.8	T__	3.8	m_e		
WTTA	5.34	Sn	15:18:25.472	3.7	T__	2.4	m_e		
WTTA	5.34	Pn	15:17:25.573	0.3	T__	21.3	m_e	ML	4.9

Event 70118013 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	17:09:00.57	0.63	1.10	42.2160	13.6180	8.9	8.9	145	10.0				25 309	4.34	9.08	m i ke	BGR
70118019																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	70118019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.21		Sn	17:11:12.670	0.6					T__	5.7			m_e	
ARSA	5.21		Pn	17:10:17.168	0.4					T__	7.2			m_e	ML 3.7
BALST	6.63		Sn	17:11:45.200	0.1					T__	5.7			m_e	
BALST	6.63		Pn	17:10:34.799	-1.0					T__	5.7			m_e	ML 4.2
BFO	7.16		Sn	17:11:56.616	-0.9					T__	3.5			m_e	ML 4.1
BRG	8.66		Sn	17:12:33.555	1.0					T__	1.6			m_e	
DAVA	5.73		Sn	17:11:26.085	2.0					T__	3.0			m_e	
DAVA	5.73		Pn	17:10:24.334	0.7					T__	11.1			m_e	ML 4.1
GEC2	6.63		Sn	17:11:45.806	0.7					T__	6.5			m_e	
GEC2	6.63		Pn	17:10:35.423	-0.4					T__	4.9			m_e	ML 4.2
GRA1	7.66		Sn	17:12:07.627	-1.6					T__	3.3			m_e	ML 4.3
GUNZ	8.20		Sn	17:12:22.443	0.7					T__	2.4			m_e	
GUNZ	8.20		Pn	17:10:57.304	0.4					T__	2.1			m_e	ML 4.1
KBA	4.87		Sn	17:11:02.560	-1.4					T__	5.9			m_e	
KBA	4.87		Pn	17:10:12.030	-0.1					T__	9.4			m_e	ML 4.0
MANZ	7.84		Sn	17:12:11.726	-1.7					T__	2.8			m_e	ML 4.1
MOA	5.65		Sn	17:11:23.482	1.2					T__	10.6			m_e	
MOA	5.65		Pn	17:10:23.038	0.4					T__	10.4			m_e	ML 4.2
MOX	8.54		Sn	17:12:28.049	-1.7					T__	7.5			m_e	ML 4.4
OBKA	4.34		Pn	17:10:05.012	-0.0					T__	6.7			m_e	
PLONS	5.70		Sn	17:11:24.982	1.6					T__	3.8			m_e	
PLONS	5.70		Pn	17:10:23.975	0.7					T__	11.7			m_e	ML 3.8
ROTZ	7.62		Sn	17:12:05.920	-2.2					T__	3.5			m_e	ML 4.0
SLE	6.63		Sn	17:11:44.199	-1.0					T__	4.4			m_e	

SLE	6.63	Pn	17:10:34.345	-1.5	T__	6.6	m_e	ML	4.2
SULZ	6.60	Sn	17:11:43.301	-1.0	T__	7.4	m_e		
SULZ	6.60	Pn	17:10:34.390	-1.0	T__	2.6	m_e	ML	4.3
TANN	8.24	Sn	17:12:22.843	0.1	T__	2.6	m_e		
TANN	8.24	Pn	17:10:57.077	-0.4	T__	1.3	m_e	ML	4.0
TNS	8.77	Pn	17:11:04.975	0.3	T__	2.8	m_e		
UBR	6.00	Sn	17:11:32.991	2.5	T__	3.1	m_e	ML	4.2
WERD	8.28	Pn	17:10:58.664	0.6	T__	2.4	m_e		
WERN	8.12	Sn	17:12:19.133	-0.8	T__	3.1	m_e	ML	4.2
WILA	6.18	Sn	17:11:35.491	0.8	T__	2.6	m_e		
WILA	6.18	Pn	17:10:29.117	-0.7	T__	3.2	m_e	ML	4.2
WLF	9.08	Pn	17:11:09.892	1.1	T__	1.5	m_e		
WTTA	5.24	Sn	17:11:14.171	1.5	T__	4.0	m_e		
WTTA	5.24	Pn	17:10:17.708	0.6	T__	11.4	m_e	ML	4.1

Event 70118020 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/18	19:32:28.92	0.57	1.12	42.1830	13.6370	8.9	8.9	79	10.0				26 309	4.37	10.95	m i ke	BGR
OrigID 70118026																	

Magnitude Err Nsta Author OrigID
 ML 4.6 BGR 70118026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.24		Sn	19:34:42.199	1.1					T__	2.5			m_e	
ARSA	5.24		Pn	19:33:46.297	0.8					T__	26.0			m_e	ML 4.2
BALST	6.66		Sn	19:35:13.904	-0.4					T__	4.8			m_e	
BALST	6.66		Pn	19:34:03.718	-0.9					T__	15.3			m_e	ML 4.8
BFO	7.20		Sn	19:35:26.643	-0.1					T__	3.9			m_e	
BFO	7.20		Pn	19:34:10.431	-1.4					T__	12.2			m_e	ML 4.5
BRG	8.70		Sn	19:35:59.918	-1.8					T__	2.8			m_e	
CLL	9.14		Pn	19:34:37.451	-0.5					T__	5.9			m_e	
DAVA	5.76		Sn	19:34:55.518	2.3					T__	2.4			m_e	
DAVA	5.76		Pn	19:33:53.324	0.8					T__	38.3			m_e	ML 4.7
GEC2	6.66		Sn	19:35:14.352	0.1					T__	7.8			m_e	
GEC2	6.66		Pn	19:34:04.227	-0.4					T__	13.1			m_e	ML 4.6
GRA1	7.70		Sn	19:35:36.352	-2.0					T__	2.8			m_e	
GUNZ	8.23		Pn	19:34:26.075	0.3					T__	6.9			m_e	
KAST	9.71		Pn	19:34:47.091	1.5					T__	2.8			m_e	
KBA	4.90		Sn	19:34:31.775	-1.3					T__	6.2			m_e	
KBA	4.90		Pn	19:33:41.129	0.3					T__	38.2			m_e	ML 4.6
MANZ	7.88		Sn	19:35:39.955	-2.6					T__	3.9			m_e	
MANZ	7.88		Pn	19:34:20.679	-0.3					T__	6.3			m_e	ML 4.5
MOA	5.68		Sn	19:34:52.816	1.4					T__	6.8			m_e	
MOA	5.68		Pn	19:33:52.171	0.7					T__	25.7			m_e	ML 4.5

MOX	8.58	Sn	19:35:57.988	-0.9	T__	6.2	m_e												
MOX	8.58	Pn	19:34:29.632	-0.8	T__	9.4	m_e ML	4.6											
OBKA	4.37	Pn	19:33:34.027	0.2	T__	15.1	m_e												
PLONS	5.74	Sn	19:34:53.714	1.1	T__	2.6	m_e												
PLONS	5.74	Pn	19:33:52.868	0.7	T__	21.4	m_e ML	4.4											
RETH	10.95	Pn	19:35:03.027	0.8	T__	3.9	m_e												
ROTZ	7.65	Sn	19:35:35.323	-2.0	T__	4.5	m_e												
ROTZ	7.65	Pn	19:34:16.877	-1.0	T__	5.2	m_e ML	4.5											
SLE	6.67	Sn	19:35:13.389	-0.9	T__	2.4	m_e												
SLE	6.67	Pn	19:34:02.960	-1.7	T__	14.0	m_e ML	4.6											
TANN	8.27	Sn	19:35:53.094	1.2	T__	2.8	m_e												
TANN	8.27	Pn	19:34:26.206	-0.1	T__	5.0	m_e												
TNS	8.81	Pn	19:34:33.849	0.4	T__	4.7	m_e												
UBR	6.04	Sn	19:35:00.731	1.0	T__	3.3	m_e												
UBR	6.04	Pn	19:33:56.218	-0.0	T__	11.2	m_e ML	4.8											
WERD	8.32	Sn	19:35:53.995	1.1	T__	2.2	m_e												
WERD	8.32	Pn	19:34:27.260	0.4	T__	7.7	m_e												
WERN	8.15	Sn	19:35:49.357	0.3	T__	2.8	m_e												
WERN	8.15	Pn	19:34:24.253	-0.4	T__	5.7	m_e												
WILA	6.22	Sn	19:35:04.014	0.1	T__	3.4	m_e												
WILA	6.22	Pn	19:33:58.193	-0.5	T__	5.7	m_e ML	4.8											
WTTA	5.28	Sn	19:34:44.130	2.3	T__	4.4	m_e												
WTTA	5.28	Pn	19:33:46.671	0.7	T__	27.1	m_e ML	4.8											

Event 70119006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/19	14:16:07.40			-19.8710	170.7130				33.0					146.04	146.04	m i ke	BGR
70119012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.04		PKPbc	14:35:43.255		43.8		3.14		TAS				m_e	

Event 70119008 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/19	23:04:16.50			-10.3200	161.3000				6.0				11	130.72	135.85	m i ke	EMSC
70119040																	

Magnitude Err Nsta Author OrigID

Ms	6.6		BGR	70119014
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	134.62		PKPdf	23:23:35.033	-0.2	42.6		1.88		TAS				m_e	
AHRW	134.62		pPKPdf	23:23:48.586		42.6		1.84		TAS				m_e	
ASSE	131.97		PKPdf	23:23:30.333	-0.1	42.6		1.88		TAS				m_e	
ASSE	131.97		pPKPdf	23:23:43.789	0.1	42.6		1.84		TAS				m_e	
BFO	135.85		PKPdf	23:23:37.269		42.6		1.88		TAS				m_e	
BFO	135.85		pPKPdf	23:23:50.688		42.6		1.84		TAS				m_e	
BFO	135.85		PP	23:26:16.617		36.2		6.78		TAS				m_e	
BRG	131.51		PKPdf	23:23:29.386	0.0	42.6		1.88		TAS				m_e	
BRG	131.51		pPKPdf	23:23:42.757	0.2	42.6		1.84		TAS				m_e	
BSEG	130.72		PKPdf	23:23:27.966	0.1	42.6		1.88		TAS				m_e	
BSEG	130.72		pPKPdf	23:23:41.226	0.0	42.6		1.84		TAS				m_e	
BUG	133.83		PKPdf	23:23:33.646	-0.0	42.6		1.88		TAS				m_e	
BUG	133.83		pPKPdf	23:23:46.771	-0.2	42.6		1.84		TAS				m_e	
BUG	133.83		PP	23:26:00.732		36.2		6.78		TAS				m_e	
CLL	131.61		PKPdf	23:23:29.386	0.1	42.6		1.88		TAS				m_e	
CLL	131.61		pPKPdf	23:23:42.559	0.1	42.6		1.84		TAS				m_e	
CLL	131.61		PP	23:25:48.963	-0.1	36.2		6.78		TAS				m_e	
CLZ	132.31		PKPdf	23:23:30.806	0.2	42.6		1.88		TAS				m_e	
CLZ	132.31		pPKPdf	23:23:44.426	0.2	42.6		1.84		TAS				m_e	
FBE	131.74		PKPdf	23:23:29.800	-0.0	42.6		1.88		TAS				m_e	
FBE	131.74		pPKPdf	23:23:43.373	0.1	42.6		1.84		TAS				m_e	
FLT1	131.59		PKPdf	23:23:29.327	0.1	42.6		1.88		TAS				m_e	
FLT1	131.59		pPKPdf	23:23:42.705	0.3	42.6		1.84		TAS				m_e	
FUR	134.66		PKPdf	23:23:35.245		42.6		1.88		TAS				m_e	
FUR	134.66		pPKPdf	23:23:48.557		42.6		1.84		TAS				m_e	
FUR	134.66		PP	23:26:09.908		36.2		6.78		TAS				m_e	
GEC2	133.04		PKPdf	23:23:32.049	-0.2	42.6		1.88		TAS				m_e	
GEC2	133.04		pPKPdf	23:23:45.568	-0.4	42.6		1.84		TAS				m_e	
GOR1	131.07		PKPdf	23:23:28.558	-0.2	42.6		1.88		TAS				m_e	
GOR1	131.07		pPKPdf	23:23:41.946	-0.2	42.6		1.84		TAS				m_e	
GRA1	133.57		PKPdf	23:23:33.291	0.3	42.6		1.88		TAS				m_e	
GRA1	133.57		pPKPdf	23:23:46.904	-0.0	42.6		1.84		TAS				m_e	
GRA1	133.57		L	00:24:29.534						T__		12217.4	21.90	a_e Ms	6.6
GUNZ	132.59		PKPdf	23:23:31.516	-0.1	42.6		1.88		TAS				m_e	
GUNZ	132.59		pPKPdf	23:23:44.903	-0.3	42.6		1.84		TAS				m_e	
IBBN	132.95		PKPdf	23:23:32.108	0.1	42.6		1.88		TAS				m_e	
IBBN	132.95		pPKPdf	23:23:45.289	0.4	42.6		1.84		TAS				m_e	
KAST	133.58		PKPdf	23:23:33.291	-0.3	42.6		1.88		TAS				m_e	
KAST	133.58		pPKPdf	23:23:46.514	-0.0	42.6		1.84		TAS				m_e	
KAST	133.58		PP	23:25:59.631		36.2		6.78		TAS				m_e	
MANZ	132.96		PKPdf	23:23:32.049	-0.0	42.6		1.88		TAS				m_e	
MANZ	132.96		pPKPdf	23:23:45.444	-0.1	42.6		1.84		TAS				m_e	
MOX	132.69		PKPdf	23:23:31.575	-0.2	42.6		1.88		TAS				m_e	
MOX	132.69		pPKPdf	23:23:44.732	-0.0	42.6		1.84		TAS				m_e	
MOX	132.69		L	00:29:16.850						T__		10825.5	19.20	a_e Ms	6.6
NEUB	132.22		PKPdf	23:23:30.984	0.1	42.6		1.88		TAS				m_e	
NEUB	132.22		pPKPdf	23:23:44.266	0.2	42.6		1.84		TAS				m_e	

NRDL	131.92	PKPdf	23:23:30.333	0.3	42.6	1.88	TAS	m_e
NRDL	131.92	pPKPdf	23:23:43.927	0.2	42.6	1.84	TAS	m_e
RETH	132.01	PKPdf	23:23:30.392	0.0	42.6	1.88	TAS	m_e
RETH	132.01	pPKPdf	23:23:43.899	0.1	42.6	1.84	TAS	m_e
RJOB	134.24	PKPdf	23:23:34.268	-0.1	42.6	1.88	TAS	m_e
RJOB	134.24	pPKPdf	23:23:47.508	0.5	42.6	1.84	TAS	m_e
ROTZ	133.08	PKPdf	23:23:32.522	-0.2	42.6	1.88	TAS	m_e
ROTZ	133.08	pPKPdf	23:23:45.663	-0.3	42.6	1.84	TAS	m_e
STU	135.14	PP	23:26:12.053		36.2	6.78	TAS	m_e
TANN	132.49	PKPdf	23:23:31.220	0.1	42.6	1.88	TAS	m_e
TANN	132.49	pPKPdf	23:23:44.623	0.1	42.6	1.84	TAS	m_e
TANN	132.49	PP	23:25:54.748		36.2	6.78	TAS	m_e
TNS	134.34	PKPdf	23:23:34.998	0.5	42.6	1.88	TAS	m_e
TNS	134.34	PP	23:26:06.843		36.2	6.78	TAS	m_e
UBR	135.55	PKPdf	23:23:36.831		42.6	1.88	TAS	m_e
UBR	135.55	pPKPdf	23:23:49.982		42.6	1.84	TAS	m_e
UBR	135.55	PP	23:26:15.368		36.2	6.78	TAS	m_e
WERD	132.54	PKPdf	23:23:31.339	0.0	42.6	1.88	TAS	m_e
WERD	132.54	pPKPdf	23:23:44.808	-0.2	42.6	1.84	TAS	m_e
WERD	132.54	PP	23:25:55.008		36.2	6.78	TAS	m_e
WERN	132.62	PKPdf	23:23:31.516	-0.0	42.6	1.88	TAS	m_e
WERN	132.62	pPKPdf	23:23:44.918	0.0	42.6	1.84	TAS	m_e
WLF	135.68	PKPdf	23:23:37.759		42.6	1.88	TAS	m_e
WLF	135.68	pPKPdf	23:23:51.053		42.6	1.84	TAS	m_e
WLF	135.68	PP	23:26:15.825		36.2	6.78	TAS	m_e

Event 70120001 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/20	03:47:49.70			26.6770	65.8790				33.0			21		45.76	50.76	m i ke	BGR
70120007																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 70120007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	50.24		P	03:56:42.552		98.1		7.78		TAS		13.7	1.12	m_e mb	4.8
ASSE	48.21		P	03:56:26.202	0.0	98.1		7.78		TAS		20.0	1.40	m_e mb	5.1
BRG	45.97		P	03:56:09.504	0.3	98.1		7.78		TAS		13.3	0.99	m_e mb	4.9
BUG	50.21		P	03:56:41.991		98.1		7.78		TAS		17.7	0.87	m_e mb	5.0
CLZ	48.35		P	03:56:27.678	-0.3	98.1		7.78		TAS		15.1	0.93	m_e mb	5.1
FBE	46.35		P	03:56:12.343	0.2	98.1		7.78		TAS		18.4	1.12	m_e mb	5.0
FLT1	47.91		P	03:56:23.703	0.1	98.1		7.78		TAS		20.7	0.87	m_e mb	5.3
FUR	47.26		P	03:56:18.879	-0.0	98.1		7.78		TAS		13.4	0.85	m_e mb	5.1
GEC2	45.76		P	03:56:07.609	-0.1	98.1		7.78		TAS		17.3	1.49	m_e mb	4.9
GOR1	47.99		P	03:56:24.384	-0.1	98.1		7.78		TAS		35.3	1.22	m_e mb	5.4

GRA1	47.49	P	03:56:21.204	0.9	98.1	7.78	TAS	10.7	0.82	m_e	mb	5.0
GTTG	48.55	P	03:56:29.247		98.1	7.78	TAS	17.8	1.21	m_e	mb	5.0
IBBN	50.01	P	03:56:40.371		98.1	7.78	TAS	29.0	1.19	m_e	mb	5.1
KAST	49.47	P	03:56:36.594		98.1	7.78	TAS	5.9	0.96	m_e	mb	4.6
MOX	47.38	P	03:56:20.181	0.1	98.1	7.78	TAS	16.3	0.89	m_e	mb	5.2
NEUB	47.38	P	03:56:20.295	0.3	98.1	7.78	TAS	20.2	0.92	m_e	mb	5.2
NRDL	48.62	P	03:56:29.837		98.1	7.78	TAS	13.0	0.91	m_e	mb	5.0
RETH	49.11	P	03:56:33.316		98.1	7.78	TAS	10.3	1.12	m_e	mb	4.8
RUE	46.41	P	03:56:11.991	-0.2	98.1	7.78	TAS	18.6	0.89	m_e	mb	5.1
TNS	49.34	P	03:56:36.425		98.1	7.78	TAS	10.2	0.98	m_e	mb	4.8
WLF	50.76	P	03:56:46.309		98.1	7.78	TAS	16.8	1.12	m_e	mb	4.9

Event 70120002 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/20	09:54:08.60			38.5400	76.7600			47.5		2.0		31		44.86	50.15	m i ke	BGR
70120008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70120008
Ms	4.6		BGR	70120008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	49.35		P	10:02:53.178		78.6		7.77		TAS		26.7	0.97	a_e	mb	5.2
BFO	49.12		P	10:02:50.778		78.6		7.77		TAS		21.4	0.82	a_e	mb	5.2
BRG	45.01		P	10:02:19.378	0.1	78.6		7.77		TAS		40.5	1.13	a_e	mb	5.3
BSEG	46.71		P	10:02:33.128	0.7	78.6		7.77		TAS		64.1	1.19	a_e	mb	5.6
BUG	49.01		P	10:02:50.677	-0.2	78.6		7.77		TAS		54.6	1.26	m_e	mb	5.4
CLL	45.52		P	10:02:22.978	-0.1	78.6		7.77		TAS		33.7	1.11	a_e	mb	5.3
CLL	45.52		pP	10:02:35.873	-0.2					T__					m_e	
CLZ	47.04		P	10:02:35.428	0.6	78.6		7.77		TAS		36.5	1.17	a_e	mb	5.4
FBE	45.37		P	10:02:22.478	0.3	78.6		7.77		TAS		56.1	1.03	a_e	mb	5.4
FLT1	46.42		P	10:02:29.928	-0.1	78.6		7.77		TAS		53.5	1.03	a_e	mb	5.5
FLT1	46.42		pP	10:02:43.246	-0.2					T__					m_e	
FUR	47.25		P	10:02:37.278	0.2	78.6		7.77		TAS		97.2	0.82	a_e	mb	6.0
GEC2	45.53		P	10:02:23.678	-0.6	78.6		7.77		TAS		52.0	1.13	a_e	mb	5.5
GOR1	46.27		P	10:02:29.174	0.4	78.6		7.77		TAS		52.7	1.10	m_e	mb	5.5
GRA1	46.94		P	10:02:35.278	0.5	78.6		7.77		TAS		65.3	1.03	a_e	mb	5.7
GRA1	46.94		L	10:24:15.653						T__		561.9	18.20	a_e	Ms	4.6
GTTG	47.34		P	10:02:37.878	0.1	78.6		7.77		TAS		75.2	0.91	a_e	mb	5.8
GTTG	47.34		pP	10:02:50.658	-0.2					T__					m_e	
GUNZ	46.11		P	10:02:28.128	-0.2	78.6		7.77		TAS		23.0	0.92	a_e	mb	5.2
GUNZ	46.11		pP	10:02:40.589	-0.2					T__					m_e	
IBBN	48.53		P	10:02:46.778	-0.6	78.6		7.77		TAS		52.3	1.15	a_e	mb	5.5
KAST	48.37		P	10:02:45.521	-0.2	78.6		7.77		TAS		10.8	1.03	m_e	mb	4.9
MANZ	46.32		P	10:02:29.978	0.1	78.6		7.77		TAS		4.4	0.95	a_e	mb	4.5

MOX	46.50	P	10:02:31.128	0.9	78.6	7.77	TAS	30.5	1.14	a_e	mb	5.3
MOX	46.50	L	10:25:27.288				T__	703.1	18.30	a_e	Ms	4.7
NEUB	46.30	P	10:02:29.278	0.2	78.6	7.77	TAS	50.6	1.02	a_e	mb	5.5
NRDL	47.08	P	10:02:35.978	0.1	78.6	7.77	TAS	59.9	1.12	a_e	mb	5.6
NRDL	47.08	pP	10:02:48.474	-0.2			T__				m_e	
RETH	47.48	P	10:02:38.778	-0.1	78.6	7.77	TAS	24.5	1.07	a_e	mb	5.3
RJOB	46.36	P	10:02:29.586	-0.6	78.6	7.77	TAS	10.9	0.80	m_e	mb	4.9
ROTZ	46.30	P	10:02:30.028	-0.4	78.6	7.77	TAS	5.7	1.18	a_e	mb	4.5
RUE	44.86	P	10:02:17.778	-0.6	78.6	7.77	TAS	40.8	1.10	a_e	mb	5.3
STU	48.45	P	10:02:46.178	-0.0	78.6	7.77	TAS	95.2	1.07	a_e	mb	5.8
TANN	46.02	P	10:02:27.328	0.1	78.6	7.77	TAS	19.1	0.98	a_e	mb	5.1
TNS	48.57	P	10:02:47.078	-0.2	78.6	7.77	TAS	15.3	0.90	a_e	mb	5.0
UBR	48.13	P	10:02:43.578	0.0	78.6	7.77	TAS	55.7	0.78	a_e	mb	5.8
WERD	46.11	P	10:02:27.978	0.0	78.6	7.77	TAS	21.9	0.95	m_e	mb	5.2
WERN	46.09	P	10:02:28.128	-0.0	78.6	7.77	TAS	12.7	1.02	a_e	mb	4.9
WLF	50.15	P	10:02:59.378		78.6	7.77	TAS	58.6	1.11	a_e	mb	5.4

Event 70120004 Turkey-Georgia-Armenia border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/20	13:52:33.70			41.7400	42.9200				10.0					23.38	23.38	m i ke	TIF
70120054																	

Magnitude Err Nsta Author OrigID
 mb 4.4 BGR 70120010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.38		P	13:57:42.979		97.7		9.24		TAS		14.5	1.21	m_e	mb 4.4

Event 70120006 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/20	22:58:34.30			29.6500	51.6200				10.0				18	35.83	39.57	m i ke	EMSC
70120038																	

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 70120012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	37.55		P	23:05:48.196	0.3	108.1		8.74		TAS		6.3	1.02	m_e	mb 4.3
BUG	39.33		P	23:06:04.634	-0.2	108.1		8.74		TAS		15.8	0.99	m_e	mb 4.6
CLL	35.90		P	23:05:33.849	-0.5	108.1		8.74		TAS		19.3	1.09	m_e	mb 4.8
CLZ	37.62		P	23:05:49.100	-0.0	108.1		8.74		TAS		31.1	0.82	m_e	mb 5.1

FLT1	37.29	P	23:05:46.191	-0.6	108.1	8.74	TAS	23.4	1.06	m_e	mb	4.8
FUR	35.93	P	23:05:34.897		108.1	8.74	TAS	43.7	0.85	m_e	mb	5.3
GOR1	37.50	P	23:05:49.227	-0.1	108.1	8.74	TAS	28.6	1.06	m_e	mb	4.9
GRA1	36.41	P	23:05:39.091		108.1	8.74	TAS	20.6	0.85	m_e	mb	5.0
GTTG	37.76	P	23:05:51.687	-0.3	108.1	8.74	TAS	15.5	0.90	m_e	mb	4.7
IBBN	39.30	P	23:06:04.184	-0.0	108.1	8.74	TAS	20.5	1.32	m_e	mb	4.6
KAST	38.58	P	23:05:58.339	-0.7	108.1	8.74	TAS	21.4	1.31	m_e	mb	4.6
MANZ	35.96	P	23:05:34.985		108.1	8.74	TAS	2.2	1.64	m_e	mb	3.7
NEUB	36.58	P	23:05:40.485	0.1	108.1	8.74	TAS	14.0	0.90	m_e	mb	4.7
NRDL	38.00	P	23:05:53.119	-0.6	108.1	8.74	TAS	31.6	0.93	m_e	mb	5.0
RETH	38.51	P	23:05:57.679	-0.3	108.1	8.74	TAS	18.7	1.00	m_e	mb	4.7
ROTZ	35.83	P	23:05:33.445		108.1	8.74	TAS	3.0	0.88	m_e	mb	4.1
TNS	38.28	P	23:05:55.396		108.1	8.74	TAS	33.5	1.96	m_e	mb	4.7
UBR	36.56	P	23:05:40.041		108.1	8.74	TAS	28.9	1.01	m_e	mb	5.0
WLF	39.57	P	23:06:05.710		108.1	8.74	TAS	13.6	1.03	m_e	mb	4.5

Event 70121002 Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/21	05:16:33.30			2.8700	128.2200				60.0					104.27	104.87	m i ke	EMSC
OrigID 70121034																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	70121008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	104.87		PP	05:35:00.242						T__					m_e	
GRA1	104.87		L	06:21:38.773						T__		456.9	21.00	a_e	Ms	5.0
MOX	104.27		L	06:31:00.698						T__		479.7	19.50	a_e	Ms	5.0

Event 70121004 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/21	11:54:33.30			40.6800	142.4300				48.0					77.17	82.51	m i ke	EMSC
OrigID 70121036																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70121010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	82.51		P	12:06:50.915		35.5		4.45		TAS		13.0	1.29	m_e	mb	5.0
BSEG	77.17		P	12:06:22.389		35.5		4.45		TAS		13.1	1.10	m_e	mb	5.0
CLL	78.33		P	12:06:28.264		35.5		4.45		TAS		7.9	0.85	m_e	mb	4.9

CLZ	78.86	P	12:06:31.357	35.5	4.45	TAS	9.5	0.93	m_e	mb	4.8
FBE	78.51	P	12:06:29.965	35.5	4.45	TAS	6.3	0.92	m_e	mb	4.6
FLT1	78.15	P	12:06:27.028	35.5	4.45	TAS	10.5	0.85	m_e	mb	5.0
GEC2	80.03	P	12:06:37.850	35.5	4.45	TAS	4.4	0.94	m_e	mb	4.4
GRA1	80.31	P	12:06:39.270	35.5	4.45	TAS	19.0	1.15	m_e	mb	4.9
IBBN	79.39	P	12:06:34.140	35.5	4.45	TAS	9.0	0.88	m_e	mb	4.8
KAST	80.08	P	12:06:38.005	35.5	4.45	TAS	8.0	1.14	m_e	mb	4.5
NEUB	78.88	P	12:06:31.357	35.5	4.45	TAS			m_e		
RETH	78.48	P	12:06:29.347	35.5	4.45	TAS	9.5	0.92	m_e	mb	4.9
RJOB	81.28	P	12:06:45.117	35.5	4.45	TAS	9.0	0.99	m_e	mb	4.8
ROTZ	79.87	P	12:06:37.232	35.5	4.45	TAS	4.4	1.75	m_e	mb	4.1

Event 70121005 Egypt

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/21	16:54:24.20			30.3100	31.9000				5.0					24.87	24.87	m i ke	EMSC
70121037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70121011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	24.87		P	16:59:47.932		133.4		9.08		TAS		7.3	1.04	m_e	mb	4.3

Event 70121006 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/21	18:11:12.37			41.6230	142.0480				57.4					79.35	79.35	m i ke	BGR
70121012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70121012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	79.35		P	18:23:10.259		33.0		4.46		TAS		5.6	1.01	m_e	mb	4.5	
GRA1	79.35		pP	18:23:26.334						T__				m_e			

Event 70121007 Tonga Islands

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

2017/01/21 19:52:30.51 -15.8710 -173.0720 33.0 17 144.74 148.17 m i ke BGR
70121013

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.42		PKPbc	20:12:04.370		7.4		3.15		TAS				m_e	
BFO	147.61		PKPbc	20:12:10.913		7.4		3.15		TAS				m_e	
FUR	147.60		PKPbc	20:12:10.984		7.4		3.15		TAS				m_e	
GRA1	146.09		PKPbc	20:12:06.364		7.4		3.15		TAS				m_e	
GUNZ	145.32		PKPbc	20:12:03.916		7.4		3.15		TAS				m_e	
KAST	144.74		PKPbc	20:12:01.735		7.4		3.15		TAS				m_e	
MANZ	145.72		PKPbc	20:12:05.279		7.4		3.15		TAS				m_e	
MOX	145.11		PKPbc	20:12:03.007		7.4		3.15		TAS				m_e	
RJOB	147.86		PKPbc	20:12:11.822		7.4		3.15		TAS				m_e	
ROTZ	145.92		PKPbc	20:12:05.915		7.4		3.15		TAS				m_e	
STU	147.14		PKPbc	20:12:10.238		7.4		3.15		TAS				m_e	
TANN	145.25		PKPbc	20:12:03.552		7.4		3.15		TAS				m_e	
TNS	145.72		PKPbc	20:12:05.006		7.4		3.15		TAS				m_e	
UBR	148.17		PKPbc	20:12:12.276		7.4		3.15		TAS				m_e	
WERD	145.24		PKPbc	20:12:03.370		7.4		3.15		TAS				m_e	
WERN	145.39		PKPbc	20:12:03.916		7.4		3.15		TAS				m_e	
WLF	146.29		PKPbc	20:12:07.541		7.4		3.15		TAS				m_e	

Event 70126002 Near east coast of eastern Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/26 08:06:35.71 40.8750 142.2910 45.7 0.5 35 75.41 82.29 m i ke BGR
70126008

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 70126008
Ms 4.7 BGR 70126008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.88		P	08:18:42.886	0.3	35.4		5.41		TAS		32.3	1.25	m_e mb	5.2
ASSE	78.30		P	08:18:28.840	0.1	35.4		5.41		TAS		21.1	1.24	m_e mb	5.1
BFO	82.29		P	08:18:49.834	-0.5	35.4		5.41		TAS		21.6	0.84	m_e mb	5.3
BRG	78.10		P	08:18:27.569	-0.1	35.4		5.41		TAS		13.7	0.99	m_e mb	5.0
BSEG	76.95		P	08:18:21.518	0.2	35.4		5.41		TAS		36.6	0.99	m_e mb	5.5
BUG	80.06		P	08:18:37.955	-0.2	35.4		5.41		TAS		19.5	0.95	m_e mb	5.0
CLL	78.11		P	08:18:27.322	-0.4	35.4		5.41		TAS		29.1	0.83	m_e mb	5.4
CLZ	78.64		P	08:18:30.857	0.3	35.4		5.41		TAS		28.1	0.98	m_e mb	5.3
CLZ	78.64		pP	08:18:44.165						T__				m_e	
FBE	78.29		P	08:18:28.840	0.2	35.4		5.41		TAS		22.1	0.83	m_e mb	5.3
FLT1	77.93		P	08:18:26.225	-0.5	35.4		5.41		TAS		34.7	0.85	m_e mb	5.5

FUR	81.31	P	08:18:45.127	0.1	35.4	5.41	TAS	52.7	0.74	m_e	mb	5.7
FUR	81.31	pP	08:18:58.333				T__			m_e		
GEC2	79.81	P	08:18:36.909	0.0	35.4	5.41	TAS	14.9	0.87	m_e	mb	4.9
GOR1	77.37	P	08:18:24.058	0.4	35.4	5.41	TAS	44.5	1.12	m_e	mb	5.5
GRA1	80.09	P	08:18:39.075	0.7	35.4	5.41	TAS	45.8	0.85	m_e	mb	5.4
GRA1	80.09	pP	08:18:52.150				T__			m_e		
GRA1	80.09	L	08:55:43.772				T__	343.7	20.20	a_e	Ms	4.7
GTTG	79.03	P	08:18:32.949	0.3	35.4	5.41	TAS	44.2	1.18	m_e	mb	5.4
GUNZ	79.12	P	08:18:33.023	-0.2	35.4	5.41	TAS	15.1	0.89	m_e	mb	5.0
IBBN	79.17	P	08:18:33.248	-0.1	35.4	5.41	TAS	35.1	0.85	m_e	mb	5.4
KAST	79.86	P	08:18:37.133	0.0	35.4	5.41	TAS	21.5	1.08	m_e	mb	5.0
MANZ	79.51	P	08:18:35.489	0.2	35.4	5.41	TAS	5.3	1.08	m_e	mb	4.4
MOX	79.16	P	08:18:33.248	-0.2	35.4	5.41	TAS	24.8	1.16	m_e	mb	5.1
MOX	79.16	L	08:56:45.058				T__	412.2	19.20	a_e	Ms	4.8
NEUB	78.66	P	08:18:30.483	-0.2	35.4	5.41	TAS	32.4	1.01	m_e	mb	5.3
NRDL	78.20	P	08:18:28.167	0.0	35.4	5.41	TAS	15.3	0.97	m_e	mb	5.1
PLN	79.09	P	08:18:32.799	-0.2	35.4	5.41	TAS	112.8	2.40	m_e	mb	5.5
RETH	78.26	P	08:18:28.615	0.2	35.4	5.41	TAS	25.5	0.94	m_e	mb	5.3
RGN	75.41	P	08:18:12.849	-0.2	35.4	5.41	TAS	60.1	1.00	m_e	mb	5.6
RJOB	81.06	P	08:18:44.081	0.4	35.4	5.41	TAS	27.9	0.86	m_e	mb	5.3
RJOB	81.06	pP	08:18:57.303				T__			m_e		
ROTZ	79.65	P	08:18:36.535	0.5	35.4	5.41	TAS	5.5	1.05	m_e	mb	4.4
ROTZ	79.65	pP	08:18:49.601				T__			m_e		
STU	81.60	P	08:18:46.397	-0.2	35.4	5.41	TAS	90.5	0.85	m_e	mb	5.9
TANN	79.03	P	08:18:32.799	0.1	35.4	5.41	TAS	34.8	1.63	m_e	mb	5.1
TNS	80.67	P	08:18:41.391	-0.1	35.4	5.41	TAS	17.1	0.94	m_e	mb	5.1
UBBA	79.61	P	08:18:35.190	-0.7	35.4	5.41	TAS	36.2	1.75	m_e	mb	5.0
UBR	82.16	P	08:18:49.161	-0.5	35.4	5.41	TAS	12.2	0.80	m_e	mb	5.1
WERD	79.06	P	08:18:32.799	-0.1	35.4	5.41	TAS	23.0	1.18	m_e	mb	5.1
WERN	79.17	P	08:18:33.546	0.1	35.4	5.41	TAS	20.2	0.94	m_e	mb	5.1
WLF	81.94	P	08:18:48.809	0.5	35.4	5.41	TAS	24.9	1.09	m_e	mb	5.3

Event 70126004 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/26	15:14:18.24			65.2750	-23.4840				10.0			9		23.60	24.00	m i ke	BGR
70126010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70126010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	23.91		P	15:19:31.185		323.8		9.66		TAS		26.5	1.25	m_e	mb	4.6
BRG	24.00		P	15:19:32.341		323.8		9.66		TAS		12.4	1.16	m_e	mb	4.3
GRA1	23.87		P	15:19:31.180		323.8		9.66		TAS		19.5	1.20	m_e	mb	4.5
GUNZ	23.77		P	15:19:30.165		323.8		9.66		TAS		10.5	1.14	m_e	mb	4.3

MANZ	23.98	P	15:19:32.545	323.8	9.66	TAS	2.2	1.03	m_e mb	3.6
PLN	23.60	P	15:19:29.009	323.8	9.66	TAS	19.9	1.29	m_e mb	4.5
TANN	23.78	P	15:19:30.369	323.8	9.66	TAS	17.9	1.36	m_e mb	4.4
WERD	23.69	P	15:19:29.417	323.8	9.66	TAS	24.5	1.59	m_e mb	4.5
WERN	23.84	P	15:19:31.049	323.8	9.66	TAS	23.9	1.27	m_e mb	4.6

Event 70127005 Ethiopia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/27	16:29:24.13			8.1200	39.3800				10.0		33		45.48	51.33	m i ke	BGR
	70127011															

Magnitude Err Nsta Author
mb 5.2 BGR

OrigID
70127011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	50.06	P		16:38:18.968	-0.3	140.9		7.71		TAS		33.6	1.30	m_e mb	5.1
ASSE	49.77	P		16:38:16.704	0.1	140.9		7.71		TAS		20.1	1.33	m_e mb	4.9
BFO	47.89	P		16:38:02.106	-0.1	140.9		7.71		TAS		27.0	1.26	m_e mb	5.1
BRG	47.54	P		16:37:59.616	0.3	140.9		7.71		TAS		40.8	1.67	m_e mb	5.3
BSEG	51.33	P		16:38:29.040		140.9		7.71		TAS		51.1	1.21	m_e mb	5.3
CLL	48.24	P		16:38:04.595	0.0	140.9		7.71		TAS		12.1	1.21	m_e mb	4.8
CLZ	49.66	P		16:38:15.346	0.1	140.9		7.71		TAS		31.2	1.62	m_e mb	5.0
FLT1	49.72	P		16:38:15.460	0.0	140.9		7.71		TAS		18.0	1.28	m_e mb	4.8
FUR	46.45	P		16:37:50.789	-0.3	140.9		7.71		TAS		48.5	1.13	m_e mb	5.5
GEC2	45.99	P		16:37:48.186	0.6	140.9		7.71		TAS		47.2	1.40	m_e mb	5.4
GOR1	50.21	P		16:38:20.099	0.5	140.9		7.71		TAS		58.8	1.39	m_e mb	5.3
GRA1	47.65	P		16:38:00.244	-0.2	140.9		7.71		TAS		38.0	1.19	m_e mb	5.4
GTTG	49.60	P		16:38:15.120	-0.8	140.9		7.71		TAS		33.0	1.28	m_e mb	5.1
GUNZ	47.74	P		16:38:00.861	-0.2	140.9		7.71		TAS		49.9	1.82	m_e mb	5.3
IBBN	51.07	P		16:38:26.663		140.9		7.71		TAS		42.6	1.27	m_e mb	5.2
KAST	49.97	P		16:38:18.402	0.1	140.9		7.71		TAS		48.3	1.18	m_e mb	5.3
MANZ	47.53	P		16:37:59.277	-0.2	140.9		7.71		TAS		6.3	1.18	m_e mb	4.6
MILB	48.57	P		16:38:07.651	0.7	140.9		7.71		TAS		81.7	1.18	m_e mb	5.6
MOX	48.24	P		16:38:04.822	0.2	140.9		7.71		TAS		34.8	1.36	m_e mb	5.2
NEUB	48.61	P		16:38:07.764	-0.2	140.9		7.71		TAS		23.5	1.31	m_e mb	5.1
NRDL	50.28	P		16:38:20.326	-0.1	140.9		7.71		TAS		34.8	1.34	m_e mb	5.1
PLN	47.90	P		16:38:02.332	-0.2	140.9		7.71		TAS		36.9	1.41	m_e mb	5.2
RETH	50.75	P		16:38:24.739		140.9		7.71		TAS		42.7	1.46	m_e mb	5.2
RJOB	45.48	P		16:37:43.546	-0.1	140.9		7.71		TAS		30.5	1.48	m_e mb	5.1
ROTZ	47.31	P		16:37:57.919	0.1	140.9		7.71		TAS		13.5	1.56	m_e mb	4.8
RUE	48.91	P		16:38:10.367	0.0	140.9		7.71		TAS		88.2	1.42	m_e mb	5.5
TANN	47.73	P		16:38:00.521	-0.4	140.9		7.71		TAS		33.6	1.50	m_e mb	5.3
TNS	49.23	P		16:38:12.517	-0.6	140.9		7.71		TAS		77.1	1.63	m_e mb	5.4
UBBA	49.02	P		16:38:10.820	-0.3	140.9		7.71		TAS		99.6	2.48	m_e mb	5.3
UBR	46.60	P		16:37:52.486	0.4	140.9		7.71		TAS		42.0	1.09	m_e mb	5.5

WERD	47.81	P	16:38:01.993	0.0	140.9	7.71	TAS	39.9	1.35	m_e	mb	5.3
WERN	47.66	P	16:37:59.842	-0.6	140.9	7.71	TAS	26.1	1.49	m_e	mb	5.1
WLF	49.85	P	16:38:17.044	0.1	140.9	7.71	TAS	131.1	2.07	m_e	mb	5.5

Event 70127006 Greece-Albania border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/27	17:07:48.06	1.52	0.83	39.8710	20.2170	26.7	14.5	174	10.0			24	320	7.82	13.26	m i ke	BGR
OrigID 70127012																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	70127012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	8.12		Pn	17:09:42.364	-1.1					T__				m_e	ML 4.3
BFO	12.01		Pn	17:10:34.940	-0.7					T__				m_e	
CKRC	9.89		Pn	17:10:06.816	-0.4					T__				m_e	
DAVA	10.54		Pn	17:10:17.116	1.2					T__				m_e	
GEC2	10.11		Pn	17:10:09.035	-1.1					T__				m_e	
JAVC	9.17		Pn	17:09:58.812	1.3					T__				m_e	
KBA	8.76		Pn	17:09:51.313	-0.8					T__				m_e	ML 4.6
KHC	10.40		Pn	17:10:12.992	-1.0					T__				m_e	
KRUC	9.59		Pn	17:10:02.292	-0.8					T__				m_e	
MOA	9.06		Pn	17:09:55.729	-0.3					T__				m_e	
MORC	10.08		Pn	17:10:10.636	0.8					T__				m_e	
OBER	10.41		Pn	17:10:15.090	0.9					T__				m_e	
OBKA	7.82		Pn	17:09:38.049	-1.3					T__				m_e	ML 4.6
OKC	10.07		Pn	17:10:11.162	1.5					T__				m_e	
PART	10.07		Pn	17:10:10.323	0.7					T__				m_e	
PRU	10.88		Pn	17:10:20.367	-0.2					T__				m_e	
PSZ	8.05		Pn	17:09:42.181	-0.3					T__				m_e	
RJOB	9.51		Pn	17:10:01.619	-0.5					T__				m_e	
TNS	13.26		Pn	17:10:52.911	0.5					T__				m_e	
UBR	10.69		Pn	17:10:17.690	-0.2					T__				m_e	
VRAC	9.78		Pn	17:10:05.245	-0.5					T__				m_e	
VYHS	8.68		Pn	17:09:51.357	0.5					T__				m_e	
WTTA	9.66		Sn	17:11:43.618	0.3					T__				m_e	
WTTA	9.66		Pn	17:10:04.456	0.4					T__				m_e	
ZUGS	10.08		Pn	17:10:10.920	1.2					T__				m_e	

Event 70127007 Yunnan, China

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

./2017/bull1701.txt

Thu Apr 23 08:38:25 2020

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2017/01/27 18:46:36.47 27.9610 104.8100 33.0 71.42 71.42 m i ke BGR
70127013

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 70127013

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 71.42 P 18:57:52.715 72.6 5.65 TAS 29.4 1.27 m_e mb 5.3

Event 70127008 Reykjanes Ridge

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/27 19:55:15.22 59.4210 -32.1950 33.0 26.53 26.53 m i ke BGR
70127014

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 70127014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 26.53 P 20:00:49.280 305.4 8.82 TAS 10.4 1.31 m_e mb 4.4

Event 70127009 North Atlantic Ocean

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/27 20:11:33.71 58.9300 -28.6590 33.0 24.68 24.68 m i ke BGR
70127015

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 70127015

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 24.68 P 20:16:51.119 304.5 9.01 TAS 17.2 1.19 m_e mb 4.7

Event 70127010 Eastern Mediterranean Sea

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/01/27 20:51:27.80 2.44 2.49 35.9500 28.8800 116.7 103.4 75 10.0 14 353 15.06 19.55 m i ke NOA
70127079

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	19.55		Pn	20:55:52.913						T__				m_e	
DAVA	18.12		Pn	20:55:37.114						T__				m_e	
GEC2	17.04		Pn	20:55:24.536						T__				m_e	
KBA	16.06		Pn	20:55:13.481	-0.9					T__				m_e	
MANZ	18.58		Pn	20:55:41.371						T__				m_e	
MOA	16.08		Pn	20:55:14.518	0.6					T__				m_e	
MOX	19.26		Pn	20:55:48.213						T__				m_e	
OBER	17.94		Pn	20:55:36.590						T__				m_e	
OBKA	15.06		Pn	20:55:00.384	2.5					T__				m_e	
PART	17.53		Pn	20:55:31.104						T__				m_e	
RJOB	16.76		Pn	20:55:24.281	-0.6					T__				m_e	
ROTZ	18.38		Pn	20:55:38.913						T__				m_e	
UBR	18.20		Pn	20:55:37.116						T__				m_e	
WTTA	17.11		Pn	20:55:24.550						T__				m_e	

Event 70128001 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	04:14:37.80			-5.6000	151.8200				30.0					124.97	124.97	m i ke	EMSC
70128033																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	70128007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	124.97		PKP	04:33:34.651		50.4		1.07		TAS				m_e	
GRA1	124.97		L	05:28:40.839						T__		428.0	21.60	a_e Ms	5.1

Event 70128002 Central Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	06:42:28.83			-10.8180	-76.9910				33.0					97.00	97.00	m i ke	BGR
70128008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	70128008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	97.00		P	06:55:57.766		255.0		5.39		TAS		13.5	1.24	m_e mb	5.4

Event 70128003 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	09:24:59.20			-5.5800	151.8300				70.0					124.96	124.96	m i ke	EMSC
OrigID 70128035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	124.96		PKP	09:43:52.125		50.4		1.01		TAS		14.6	0.92	m_e	

Event 70128004 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	13:02:58.00			39.1700	74.6000				10.0					45.21	45.21	m i ke	EMSC
OrigID 70128036																	

Magnitude Err Nsta Author OrigID

mb 4.6 BGR 70128010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.21		P	13:11:15.541		78.3		6.99		TAS		8.2	1.05	m_e mb	4.6

Event 70128006 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	13:40:23.66			39.4900	142.7100				150.0	2.5		35		78.25	83.65	m i ke	BGR
OrigID 70128012																	

Magnitude Err Nsta Author OrigID

mb 5.1 BGR 70128012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.26		P	13:52:28.668	-0.5	35.9		5.29		TAS		27.7	1.10	a_e mb	5.3
AHRW	82.26		pP	13:53:05.781	0.3					T__				m_e	
ASSE	79.67		P	13:52:14.404	-0.1	35.9		5.29		TAS		7.5	1.11	m_e mb	4.5
BFO	83.65		P	13:52:35.634		35.9		5.29		TAS		25.0	0.92	m_e mb	5.4
BRG	79.45		P	13:52:13.318	-0.2	35.9		5.29		TAS		11.1	1.00	a_e mb	4.8
BRG	79.45		pP	13:52:50.274	0.3					T__				m_e	
BSEG	78.33		P	13:52:07.618	-0.5	35.9		5.29		TAS		32.4	1.01	a_e mb	5.4
BSEG	78.33		pP	13:52:45.008	0.3					T__				m_e	

BUG	81.44	P	13:52:24.068	0.3	35.9	5.29	TAS	17.0	1.00	a_e	mb	5.0
BUG	81.44	pP	13:53:01.688	0.3			T__			m_e		
CLL	79.47	P	13:52:13.168	0.1	35.9	5.29	TAS	23.4	1.01	a_e	mb	5.2
CLL	79.47	pP	13:52:49.993	0.3			T__			m_e		
CLZ	80.01	P	13:52:16.918	0.3	35.9	5.29	TAS	27.8	1.16	a_e	mb	5.1
CLZ	80.01	pP	13:52:53.858	0.3			T__			m_e		
FBE	79.64	P	13:52:14.668	-0.2	35.9	5.29	TAS	23.0	1.02	a_e	mb	5.1
FLT1	79.30	P	13:52:12.218	0.1	35.9	5.29	TAS	30.7	0.98	a_e	mb	5.3
FLT1	79.30	pP	13:52:49.326	0.3			T__			m_e		
FUR	82.67	P	13:52:30.768	-0.1	35.9	5.29	TAS	29.0	0.72	a_e	mb	5.6
GEC2	81.16	P	13:52:22.368	0.2	35.9	5.29	TAS	8.0	0.90	a_e	mb	4.7
GEC2	81.16	pP	13:53:00.203	0.3			T__			m_e		
GOR1	78.75	P	13:52:10.068	-0.2	35.9	5.29	TAS	48.7	1.26	a_e	mb	5.4
GOR1	78.75	pP	13:52:47.147	0.3			T__			m_e		
GRA1	81.45	P	13:52:24.668	0.4	35.9	5.29	TAS	32.9	0.95	a_e	mb	5.3
GRA1	81.45	pP	13:53:01.831	0.3			T__			m_e		
GTTG	80.40	P	13:52:18.868	0.1	35.9	5.29	TAS	38.1	1.37	a_e	mb	5.1
GUNZ	80.48	P	13:52:19.118	0.2	35.9	5.29	TAS	12.8	1.08	a_e	mb	4.8
IBBN	80.55	P	13:52:19.468	-0.2	35.9	5.29	TAS	35.2	0.89	m_e	mb	5.4
IBBN	80.55	pP	13:52:56.807	0.3			T__			m_e		
KAST	81.24	P	13:52:22.974	-0.2	35.9	5.29	TAS	9.8	0.87	m_e	mb	4.9
MANZ	80.87	P	13:52:21.218	0.0	35.9	5.29	TAS	3.6	1.10	a_e	mb	4.3
MANZ	80.87	pP	13:52:58.704	0.3			T__			m_e		
MILB	82.06	P	13:52:27.175	0.1	35.9	5.29	TAS	12.1	1.02	m_e	mb	5.0
MOX	80.53	P	13:52:19.211	0.4	35.9	5.29	TAS	16.6	1.30	m_e	mb	4.9
NEUB	80.03	P	13:52:16.368	0.0	35.9	5.29	TAS	32.6	0.88	a_e	mb	5.3
NRDL	79.58	P	13:52:14.218	-0.3	35.9	5.29	TAS	6.4	0.70	a_e	mb	4.7
PLN	80.45	P	13:52:18.868	-0.0	35.9	5.29	TAS	21.0	1.37	a_e	mb	4.9
RETH	79.64	P	13:52:14.306	0.4	35.9	5.29	TAS	20.8	0.81	m_e	mb	5.1
RJOB	82.41	P	13:52:29.568	-0.8	35.9	5.29	TAS	21.4	0.90	a_e	mb	5.3
ROTZ	81.01	P	13:52:22.218	0.6	35.9	5.29	TAS	4.0	1.11	a_e	mb	4.4
RUE	78.25	P	13:52:06.868	0.3	35.9	5.29	TAS	23.3	0.61	a_e	mb	5.5
STU	82.97	P	13:52:32.218		35.9	5.29	TAS	68.0	0.94	a_e	mb	5.9
TANN	80.39	P	13:52:18.396	0.0	35.9	5.29	TAS	5.4	1.02	m_e	mb	4.4
TNS	82.04	P	13:52:27.418	0.2	35.9	5.29	TAS	20.4	1.14	a_e	mb	5.2
TNS	82.04	pP	13:53:05.161	0.3			T__			m_e		
UBR	83.52	P	13:52:34.271		35.9	5.29	TAS	21.3	1.51	m_e	mb	5.1
WERD	80.42	P	13:52:18.718	0.2	35.9	5.29	TAS	12.3	1.21	a_e	mb	4.7
WERN	80.53	P	13:52:19.418	0.2	35.9	5.29	TAS	17.1	1.12	a_e	mb	5.0
WERN	80.53	pP	13:52:56.602	0.3			T__			m_e		
WLF	83.32	P	13:52:33.418		35.9	5.29	TAS			a_e		

Event 70128007 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	17:32:39.09			67.7560	-19.3460				33.0					23.64	23.64	m i ke	BGR

70128013

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70128013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	23.64		P	17:37:47.082		329.8		9.31		TAS		37.7	1.68	m_e	mb	4.7

Event 70128008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/28	22:32:51.40			-15.4000	-173.0900				10.0					145.62	145.62	m i ke	EMSC
OrigID																	
70128040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	70128014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.62		PKP	22:52:30.259						T__				m_e	
GRA1	145.62		PP	22:55:53.147		1.3		5.16		TAS				m_e	
GRA1	145.62		L	23:53:11.300						T__		400.5	21.90	a_e Ms	5.2

Event 70129002 Western Indian-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/29	08:03:19.00			-50.3600	135.2800				10.0					144.78	144.78	m i ke	NEIC
OrigID																	
70129041																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	70129008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.78		PKPab	08:22:57.560		113.1		4.51		TAS				m_e	
GRA1	144.78		L	09:24:36.089						T__		151.1	19.90	a_e Ms	4.8

Event 70129003 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/29	08:51:01.70			26.7200	66.1100				10.0					47.61	47.61	m i ke	EMSC
OrigID																	
70129035																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 70129009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 47.61 P 08:59:38.543 97.8 7.95 TAS 11.6 1.13 m_e mb 4.9

Event 70129004 Kermadec Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2017/01/29 14:59:48.86 -30.6300 -176.4600 20.0 36 156.20 162.24 m i ke EMSC
 70129036

Magnitude Err Nsta Author OrigID
 Ms 5.8 BGR 70129010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 AHRW 159.93 PKPab 15:20:26.040 -0.5 18.0 4.34 TAS m_e
 ASSE 157.88 PKPpdf 15:19:45.016 0.2 18.6 1.12 TAS m_e
 ASSE 157.88 PKPab 15:20:16.421 0.7 18.0 4.34 TAS m_e
 BFO 161.95 PKPpdf 15:19:50.392 18.6 1.12 TAS m_e
 BFO 161.95 PKPab 15:20:33.679 18.0 4.34 TAS m_e
 BRG 158.34 PKPpdf 15:19:46.714 -0.2 18.6 1.12 TAS m_e
 BRG 158.34 PKPab 15:20:18.684 0.8 18.0 4.34 TAS m_e
 BSEG 156.20 PKPab 15:20:09.914 0.8 18.0 4.34 TAS m_e
 BUG 159.03 PKPpdf 15:19:46.714 0.1 18.6 1.12 TAS m_e
 BUG 159.03 PKPab 15:20:21.796 -0.1 18.0 4.34 TAS m_e
 CLL 158.18 PKPpdf 15:19:45.865 0.4 18.6 1.12 TAS m_e
 CLL 158.18 PKPab 15:20:18.118 -0.5 18.0 4.34 TAS m_e
 CLZ 158.21 PKPpdf 15:19:46.431 -0.2 18.6 1.12 TAS m_e
 CLZ 158.21 PKPab 15:20:18.967 0.0 18.0 4.34 TAS m_e
 FBE 158.45 PKPpdf 15:19:46.431 -0.2 18.6 1.12 TAS m_e
 FBE 158.45 PKPab 15:20:19.533 -0.3 18.0 4.34 TAS m_e
 FLT1 157.59 PKPpdf 15:19:45.016 0.5 18.6 1.12 TAS m_e
 FLT1 157.59 PKPab 15:20:15.572 -0.1 18.0 4.34 TAS m_e
 FUR 161.52 PKPpdf 15:19:49.543 18.6 1.12 TAS m_e
 FUR 161.52 PKPab 15:20:33.679 18.0 4.34 TAS m_e
 GEC2 160.23 PKPpdf 15:19:48.412 18.6 1.12 TAS m_e
 GEC2 160.23 PKPab 15:20:27.172 0.8 18.0 4.34 TAS m_e
 GOR1 156.95 PKPpdf 15:19:44.451 -0.5 18.6 1.12 TAS m_e
 GOR1 156.95 PKPab 15:20:13.592 -0.2 18.0 4.34 TAS m_e
 GRA1 160.10 PKPab 15:20:27.172 0.5 18.0 4.34 TAS m_e
 GRA1 160.10 L 16:32:05.054 T__ 1382.9 21.90 a_e Ms 5.8
 GTTG 158.57 PKPpdf 15:19:46.997 -0.2 18.6 1.12 TAS m_e
 GTTG 158.57 PKPab 15:20:20.665 -0.1 18.0 4.34 TAS m_e
 GUNZ 159.21 PKPab 15:20:22.928 -0.2 18.0 4.34 TAS m_e

IBBN	158.12	PKPab	15:20:18.118	0.0	18.0	4.34	TAS	m_e
KAST	159.13	PKPdf	15:19:46.714	0.2	18.6	1.12	TAS	m_e
KAST	159.13	PKPab	15:20:22.079	-0.4	18.0	4.34	TAS	m_e
MANZ	159.62	PKPdf	15:19:46.997	-0.1	18.6	1.12	TAS	m_e
MANZ	159.62	PKPab	15:20:24.060	0.7	18.0	4.34	TAS	m_e
MILB	160.34	PKPdf	15:19:48.694		18.6	1.12	TAS	m_e
MILB	160.34	PKPab	15:20:28.021	0.0	18.0	4.34	TAS	m_e
MOX	159.11	PKPdf	15:19:46.714	-0.6	18.6	1.12	TAS	m_e
MOX	159.11	PKPab	15:20:22.362	-0.5	18.0	4.34	TAS	m_e
NEUB	158.56	PKPdf	15:19:46.714	-0.2	18.6	1.12	TAS	m_e
NEUB	158.56	PKPab	15:20:19.816	0.1	18.0	4.34	TAS	m_e
NRDL	157.63	PKPdf	15:19:45.299	0.6	18.6	1.12	TAS	m_e
NRDL	157.63	PKPab	15:20:15.572	-0.2	18.0	4.34	TAS	m_e
PLN	159.14	PKPdf	15:19:46.714	0.1	18.6	1.12	TAS	m_e
PLN	159.14	PKPab	15:20:22.079	-0.4	18.0	4.34	TAS	m_e
RETH	157.50	PKPdf	15:19:45.016	-0.0	18.6	1.12	TAS	m_e
RETH	157.50	PKPab	15:20:14.723	-0.5	18.0	4.34	TAS	m_e
RJOB	161.50	PKPdf	15:19:49.543		18.6	1.12	TAS	m_e
RJOB	161.50	PKPab	15:20:33.113	-0.7	18.0	4.34	TAS	m_e
ROTZ	159.80	PKPab	15:20:26.040	-0.2	18.0	4.34	TAS	m_e
RUE	156.91	PKPdf	15:19:44.451	0.0	18.6	1.12	TAS	m_e
RUE	156.91	PKPab	15:20:12.743	0.0	18.0	4.34	TAS	m_e
STU	161.38	PKPdf	15:19:49.543		18.6	1.12	TAS	m_e
STU	161.38	PKPab	15:20:32.830	-0.9	18.0	4.34	TAS	m_e
TANN	159.13	PKPdf	15:19:46.714	-0.3	18.6	1.12	TAS	m_e
TANN	159.13	PKPab	15:20:22.079	-0.3	18.0	4.34	TAS	m_e
TNS	160.08	PKPdf	15:19:48.129		18.6	1.12	TAS	m_e
TNS	160.08	PKPab	15:20:26.323	0.6	18.0	4.34	TAS	m_e
UBBA	159.26	PKPdf	15:19:46.431	-0.1	18.6	1.12	TAS	m_e
UBBA	159.26	PKPab	15:20:22.645	-0.2	18.0	4.34	TAS	m_e
UBR	162.24	PKPdf	15:19:50.109		18.6	1.12	TAS	m_e
UBR	162.24	PKPab	15:20:35.094		18.0	4.34	TAS	m_e
WERD	159.14	PKPdf	15:19:46.714	-0.5	18.6	1.12	TAS	m_e
WERD	159.14	PKPab	15:20:22.362	0.2	18.0	4.34	TAS	m_e
WERN	159.27	PKPab	15:20:22.928	0.7	18.0	4.34	TAS	m_e
WLF	160.88	PKPdf	15:19:49.260		18.6	1.12	TAS	m_e
WLF	160.88	PKPab	15:20:31.133	0.9	18.0	4.34	TAS	m_e

Event 70129005 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/29	16:42:48.28			-28.1650	59.8140				31.7					88.73	88.73	m i ke	BGR
	70129011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70129011

Ms 4.8 BGR 70129011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.73		P	16:55:26.386		132.1		5.68		TAS		83.5	1.31	m_e	mb 5.8
GRA1	88.73		pP	16:55:35.654						T__				m_e	
GRA1	88.73		L	17:31:05.188						T__		462.4	26.91	m_e	Ms 4.8

Event 70130002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/30	13:37:25.60			34.5400	-36.5900				10.0					37.89	37.89	m i ke	EMSC
OrigID 70130034																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.8			BGR	70130008
Ms 4.1			BGR	70130008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	37.89		P	13:44:41.411		264.9		8.06		TAS		30.8	1.58	m_e	mb 4.8
GRA1	37.89		L	13:56:22.284						T__		298.3	21.30	a_e	Ms 4.1

Event 70130004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/30	23:35:24.10			-14.7800	167.1000				84.0					140.01	140.01	m i ke	EMSC
OrigID 70130036																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.01		PKPdf	23:54:36.065		38.0		1.54		TAS				m_e	
GRA1	140.01		SKPdf	23:58:10.589		44.8		2.11		TAS				m_e	
GRA1	140.01		SKPab	23:58:23.056		44.5		4.08		TAS				m_e	

Event 70131002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/31	00:55:01.30			34.6800	-36.5400				10.0					37.77	37.77	m i ke	EMSC
OrigID 70131034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70131008
Ms	4.9		BGR	70131008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	37.77		P	01:02:16.919		265.0		8.42		TAS		48.5	1.18	m_e	mb 5.1
GRA1	37.77		L	01:16:03.548						T__		1831.9	18.10	a_e	Ms 4.9

Event 70131005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/31	09:20:30.45			-18.7500	-179.9300				600.0			35		144.00	150.00	m i ke	BGR
	70131011																

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	147.79		PKPab	09:39:10.445		14.3		4.02		TAS				m_e	
ASSE	145.66		PKPbc	09:39:02.163	0.1	15.3		2.80		TAS				m_e	
BFO	149.74		PKPbc	09:39:12.993		15.3		2.80		TAS				m_e	
BFO	149.74		PKPab	09:39:19.223		14.3		4.02		TAS				m_e	
BRG	146.10		PKPbc	09:39:03.791	-0.1	15.3		2.80		TAS				m_e	
BSEG	144.00		PKPbc	09:38:56.571	-0.3	15.3		2.80		TAS				m_e	
BUG	146.89		PKPbc	09:39:05.334	0.3	15.3		2.80		TAS				m_e	
CLL	145.94		PKPbc	09:39:03.225	0.3	15.3		2.80		TAS				m_e	
CLZ	146.00		PKPbc	09:39:03.366	0.3	15.3		2.80		TAS				m_e	
FBE	146.21		PKPbc	09:39:04.286	-0.1	15.3		2.80		TAS				m_e	
FLT1	145.36		PKPbc	09:39:00.818	0.4	15.3		2.80		TAS				m_e	
FUR	149.28		PKPab	09:39:17.878		14.3		4.02		TAS				m_e	
GEC2	148.02		PKPbc	09:39:09.454	-0.4	15.3		2.80		TAS				m_e	
GOR1	144.72		PKPbc	09:38:59.331	0.3	15.3		2.80		TAS				m_e	
GRA1	147.86		PKPab	09:39:12.002		14.3		4.02		TAS				m_e	
GTTG	146.35		PKPbc	09:39:04.216	0.0	15.3		2.80		TAS				m_e	
GUNZ	146.97		PKPbc	09:39:06.552	0.2	15.3		2.80		TAS				m_e	
IBBN	145.97		PKPbc	09:39:02.729	-0.1	15.3		2.80		TAS				m_e	
KAST	146.95		PKPbc	09:39:05.419	0.2	15.3		2.80		TAS				m_e	
MANZ	147.38		PKPbc	09:39:07.326	0.1	15.3		2.80		TAS				m_e	
MILB	148.12		PKPbc	09:39:09.029	-0.4	15.3		2.80		TAS				m_e	
MILB	148.12		PKPab	09:39:12.852		14.3		4.02		TAS				m_e	
MOX	146.88		PKPbc	09:39:05.563	0.0	15.3		2.80		TAS				m_e	
NEUB	146.32		PKPbc	09:39:04.009	-0.1	15.3		2.80		TAS				m_e	
NRDL	145.42		PKPbc	09:39:01.597	-0.0	15.3		2.80		TAS				m_e	
PLN	146.90		PKPbc	09:39:06.148	0.5	15.3		2.80		TAS				m_e	
RETH	145.31		PKPbc	09:39:00.606	0.1	15.3		2.80		TAS				m_e	
RJOB	149.28		PKPbc	09:39:12.085		15.3		2.80		TAS				m_e	
RJOB	149.28		PKPab	09:39:18.302		14.3		4.02		TAS				m_e	

ROTZ	147.56	PKPbc	09:39:07.967	0.4	15.3	2.80	TAS	m_e
RUE	144.67	PKPbc	09:38:59.310	-0.4	15.3	2.80	TAS	m_e
STU	149.16	PKPbc	09:39:11.862		15.3	2.80	TAS	m_e
STU	149.16	PKPab	09:39:16.816		14.3	4.02	TAS	m_e
TANN	146.90	PKPbc	09:39:05.844	0.1	15.3	2.80	TAS	m_e
TNS	147.89	PKPbc	09:39:08.251	0.0	15.3	2.80	TAS	m_e
TNS	147.89	PKPab	09:39:11.436		14.3	4.02	TAS	m_e
UBR	150.00	PKPbc	09:39:13.984		15.3	2.80	TAS	m_e
UBR	150.00	PKPab	09:39:20.355		14.3	4.02	TAS	m_e
WERD	146.90	PKPbc	09:39:05.985	0.3	15.3	2.80	TAS	m_e
WERN	147.03	PKPbc	09:39:06.552	0.1	15.3	2.80	TAS	m_e
WERN	147.03	PKPab	09:39:09.029		14.3	4.02	TAS	m_e
WLF	148.77	PKPbc	09:39:11.011		15.3	2.80	TAS	m_e
WLF	148.77	PKPab	09:39:15.188		14.3	4.02	TAS	m_e

Event 70131006 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/31	09:38:32.66			61.9470	-150.2530				142.1					67.73	67.73	m i ke	BGR
OrigID 70131012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70131012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	67.73		P	09:49:12.603		348.3		5.81		TAS		14.8	1.08	m_e mb	5.1
GRA1	67.73		pP	09:49:46.921						T__				m_e	

Event 70131008 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/01/31	14:22:41.80			0.7300	-79.6300				30.0					90.00	90.00	m i ke	EMSC
OrigID 70131040																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70131014
Ms	4.8		BGR	70131014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.00		P	14:35:38.938		271.1		6.14		TAS		25.7	1.68	m_e mb	5.2
GRA1	90.00		L	15:08:53.675						T__		398.3	21.80	a_e Ms	4.8

