

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

(produced by SZO/BGR - HANNOVER)

November 2017

UPDATED 12.December 2019

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

Event 71101002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	00:09:32.72			-21.3700	170.6700				33.0			30		145.24	149.60	m i ke	BGR
OrigID 71101008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	71101008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.15		PKPbc	00:29:14.713	0.2	35.9		2.86		TAS				m_e	
ASSE	145.61		PKPbc	00:29:07.133	0.1	35.9		2.86		TAS				a_e	
BFO	149.60		PKPbc	00:29:18.287		35.9		2.86		TAS				m_e	
BRG	145.36		PKPbc	00:29:06.915	0.1	35.9		2.86		TAS				m_e	
BUG	147.31		PKPbc	00:29:12.255	0.2	35.9		2.86		TAS				m_e	
CLL	145.41		PKPbc	00:29:06.336	-0.1	35.9		2.86		TAS				m_e	
CLZ	145.95		PKPbc	00:29:08.690	-0.1	35.9		2.86		TAS				m_e	
FBE	145.57		PKPbc	00:29:07.159	-0.1	35.9		2.86		TAS				m_e	
FLT1	145.24		PKPbc	00:29:05.617	-0.4	35.9		2.86		TAS				m_e	
GEC2	147.00		PKPbc	00:29:11.454		35.9		2.86		TAS				m_e	
GRA1	147.38		PKPbc	00:29:12.744		35.9		2.86		TAS				m_e	
GRA1	147.38		L	01:44:10.347						T__		1251.5	21.90	a_e Ms	5.7
GTTG	146.34		PKPbc	00:29:09.633	0.2	35.9		2.86		TAS				a_e	
GUNZ	146.41		PKPbc	00:29:09.733	0.3	35.9		2.86		TAS				a_e	
IBBN	146.41		PKPbc	00:29:09.733	-0.1	35.9		2.86		TAS				a_e	
MANZ	146.79		PKPbc	00:29:11.184	0.0	35.9		2.86		TAS				m_e	
MOX	146.47		PKPbc	00:29:09.670	0.2	35.9		2.86		TAS				m_e	
MOX	146.47		L	01:35:33.784						T__		1421.1	22.00	a_e Ms	5.7
NEUB	145.97		PKPbc	00:29:08.409	0.1	35.9		2.86		TAS				m_e	
NRDL	145.50		PKPbc	00:29:06.783	0.4	35.9		2.86		TAS				a_e	
PLN	146.38		PKPbc	00:29:09.633	0.4	35.9		2.86		TAS				a_e	

RETH	145.53	PKPbc	00:29:06.933	-0.2	35.9	2.86	TAS	a_e
ROTZ	146.93	PKPbc	00:29:11.371	-0.4	35.9	2.86	TAS	m_e
STU	148.91	PKPbc	00:29:16.752		35.9	2.86	TAS	m_e
TANN	146.32	PKPbc	00:29:09.433	0.5	35.9	2.86	TAS	m_e
TNS	147.97	PKPbc	00:29:14.333	-0.1	35.9	2.86	TAS	a_e
UBBA	146.93	PKPbc	00:29:11.295	0.1	35.9	2.86	TAS	m_e
UBR	149.43	PKPbc	00:29:17.519		35.9	2.86	TAS	m_e
WERD	146.35	PKPbc	00:29:09.383	0.2	35.9	2.86	TAS	a_e
WERN	146.45	PKPbc	00:29:09.933	0.1	35.9	2.86	TAS	a_e
WET	147.13	PKPbc	00:29:11.932		35.9	2.86	TAS	m_e
WLF	149.21	PKPbc	00:29:18.201	-0.8	35.9	2.86	TAS	m_e

Event 71101003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	00:18:06.06			-22.1100	170.2100				33.0			26		145.76	150.10	m i ke	BGR
71101009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.12		PKPbc	00:37:41.784	0.1	37.2		2.80		TAS					m_e
BFO	150.10		PKPbc	00:37:52.583		37.2		2.80		TAS					m_e
BRG	145.83		PKPbc	00:37:41.497	-0.2	37.2		2.80		TAS					m_e
CLL	145.89		PKPbc	00:37:40.770	0.1	37.2		2.80		TAS					m_e
CLZ	146.47		PKPbc	00:37:43.154	0.3	37.2		2.80		TAS					m_e
FBE	146.04		PKPbc	00:37:41.799	0.2	37.2		2.80		TAS					m_e
FLT1	145.76		PKPbc	00:37:40.250	-0.4	37.2		2.80		TAS					m_e
GEC2	147.43		PKPbc	00:37:45.841	-0.4	37.2		2.80		TAS					m_e
GRA1	147.86		PKPbc	00:37:47.138		37.2		2.80		TAS					m_e
GTTG	146.85		PKPbc	00:37:44.350	0.3	37.2		2.80		TAS					m_e
GUNZ	146.89		PKPbc	00:37:44.480	-0.1	37.2		2.80		TAS					m_e
MANZ	147.27		PKPbc	00:37:45.414	-0.6	37.2		2.80		TAS					m_e
MOX	146.96		PKPbc	00:37:44.307	0.3	37.2		2.80		TAS					m_e
NEUB	146.46		PKPbc	00:37:42.969	0.3	37.2		2.80		TAS					m_e
NRDL	146.02		PKPbc	00:37:41.397	0.2	37.2		2.80		TAS					m_e
PLN	146.86		PKPbc	00:37:44.134	0.2	37.2		2.80		TAS					m_e
RETH	146.07		PKPbc	00:37:41.547	0.1	37.2		2.80		TAS					m_e
RJOB	148.66		PKPbc	00:37:48.751		37.2		2.80		TAS					m_e
ROTZ	147.40		PKPbc	00:37:45.864	0.5	37.2		2.80		TAS					m_e
TANN	146.79		PKPbc	00:37:44.078	0.4	37.2		2.80		TAS					m_e
TNS	148.49		PKPbc	00:37:48.835		37.2		2.80		TAS					m_e
UBR	149.89		PKPbc	00:37:52.195		37.2		2.80		TAS					m_e
WERD	146.83		PKPbc	00:37:44.043	0.0	37.2		2.80		TAS					m_e
WERN	146.93		PKPbc	00:37:44.601	0.1	37.2		2.80		TAS					m_e
WET	147.58		PKPbc	00:37:46.331		37.2		2.80		TAS					m_e

WLF 149.75 PKPbc 00:37:52.669 37.2 2.80 TAS m_e

Event 71101004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	02:11:08.08			-21.8000	169.9300				23.2	1.2		26		145.37	149.50	m i ke	BGR
OrigID 71101010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.74		PKPbc	02:30:44.740	-0.2	37.8		2.85		TAS					a_e
ASSE	145.74		pPKPbc	02:30:51.782	0.1	36.1		2.98		TAS					m_e
BRG	145.44		PKPbc	02:30:44.190	0.5	37.8		2.85		TAS					a_e
BRG	145.44		pPKPbc	02:30:51.299	-0.0	36.1		2.98		TAS					m_e
BUG	147.48		pPKPbc	02:30:56.583	0.1	36.1		2.98		TAS					m_e
CLL	145.50		PKPbc	02:30:43.490	0.3	37.8		2.85		TAS					a_e
CLL	145.50		pPKPbc	02:30:50.482	0.1	36.1		2.98		TAS					m_e
CLZ	146.08		PKPbc	02:30:46.090	0.1	37.8		2.85		TAS					a_e
CLZ	146.08		pPKPbc	02:30:53.127	0.1	36.1		2.98		TAS					m_e
FBE	145.65		PKPbc	02:30:44.390	0.3	37.8		2.85		TAS					a_e
FBE	145.65		pPKPbc	02:30:51.657	0.2	36.1		2.98		TAS					m_e
FLT1	145.37		PKPbc	02:30:43.090	0.0	37.8		2.85		TAS					a_e
FLT1	145.37		pPKPbc	02:30:50.166	0.1	36.1		2.98		TAS					m_e
GEC2	147.04		PKPbc	02:30:48.690		37.8		2.85		TAS					a_e
GEC2	147.04		pPKPbc	02:30:55.683		36.1		2.98		TAS					m_e
GRA1	147.47		PKPbc	02:30:50.140		37.8		2.85		TAS					a_e
GTTG	146.47		PKPbc	02:30:47.190	0.3	37.8		2.85		TAS					a_e
GTTG	146.47		pPKPbc	02:30:54.241	0.3	36.1		2.98		TAS					m_e
GUNZ	146.50		PKPbc	02:30:47.340	-0.6	37.8		2.85		TAS					a_e
GUNZ	146.50		pPKPbc	02:30:54.117		36.1		2.98		TAS					m_e
KAST	147.30		PKPbc	02:30:49.490	0.3	37.8		2.85		TAS					a_e
KAST	147.30		pPKPbc	02:30:56.442	0.1	36.1		2.98		TAS					m_e
MANZ	146.88		PKPbc	02:30:48.615		37.8		2.85		TAS					m_e
MANZ	146.88		pPKPbc	02:30:55.208		36.1		2.98		TAS					m_e
NEUB	146.07		PKPbc	02:30:45.790	0.4	37.8		2.85		TAS					a_e
NEUB	146.07		pPKPbc	02:30:52.788	0.0	36.1		2.98		TAS					m_e
NRDL	145.64		PKPbc	02:30:44.390	0.2	37.8		2.85		TAS					a_e
NRDL	145.64		pPKPbc	02:30:51.277	0.4	36.1		2.98		TAS					m_e
PLN	146.47		PKPbc	02:30:47.240	-0.1	37.8		2.85		TAS					a_e
PLN	146.47		pPKPbc	02:30:54.127		36.1		2.98		TAS					m_e
RETH	145.69		PKPbc	02:30:44.590	0.2	37.8		2.85		TAS					a_e
RETH	145.69		pPKPbc	02:30:51.418	0.4	36.1		2.98		TAS					m_e
RJOB	148.26		PKPbc	02:30:51.640		37.8		2.85		TAS					a_e
ROTZ	147.00		PKPbc	02:30:48.690		37.8		2.85		TAS					a_e
ROTZ	147.00		pPKPbc	02:30:55.585		36.1		2.98		TAS					m_e

STU	149.01	PKPbc	02:30:54.140		37.8	2.85	TAS	a_e
TANN	146.40	PKPbc	02:30:47.040	-0.7	37.8	2.85	TAS	m_e
TANN	146.40	pPKPbc	02:30:53.951		36.1	2.98	TAS	m_e
TNS	148.11	PKPbc	02:30:51.890		37.8	2.85	TAS	a_e
UBR	149.50	PKPbc	02:30:54.990		37.8	2.85	TAS	a_e
WERD	146.44	PKPbc	02:30:46.990	-0.0	37.8	2.85	TAS	a_e
WERD	146.44	pPKPbc	02:30:53.958		36.1	2.98	TAS	m_e
WERN	146.54	PKPbc	02:30:47.540		37.8	2.85	TAS	a_e
WERN	146.54	pPKPbc	02:30:54.422		36.1	2.98	TAS	m_e
WET	147.19	PKPbc	02:30:49.240		37.8	2.85	TAS	a_e

Event 71101005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	02:23:56.34			-21.4300	170.5500				21.2	1.1		25		145.37	147.98	m i ke	BGR
71101011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.2		BGR	71101011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.62		PKPbc	02:43:32.620	0.1	36.2		2.98		TAS					m_e
ASSE	145.62		pPKPbc	02:43:38.981	-0.0	37.1		2.90		TAS					m_e
BRG	145.37		PKPbc	02:43:32.289	0.3	36.2		2.98		TAS					m_e
BRG	145.37		pPKPbc	02:43:38.372	0.2	37.1		2.90		TAS					m_e
BUG	147.33		pPKPbc	02:43:44.108		37.1		2.90		TAS					m_e
CLL	145.41		PKPbc	02:43:31.628	0.0	36.2		2.98		TAS					m_e
CLZ	145.96		PKPbc	02:43:34.011	0.2	36.2		2.98		TAS					a_e
CLZ	145.96		pPKPbc	02:43:40.429	0.2	37.1		2.90		TAS					m_e
FBE	145.57		PKPbc	02:43:32.577	0.3	36.2		2.98		TAS					m_e
FBE	145.57		pPKPbc	02:43:38.866	0.0	37.1		2.90		TAS					m_e
GEC2	146.99		PKPbc	02:43:36.709		36.2		2.98		TAS					m_e
GEC2	146.99		pPKPbc	02:43:42.939		37.1		2.90		TAS					m_e
GRA1	147.39		PKPbc	02:43:38.042		36.2		2.98		TAS					m_e
GRA1	147.39		pPKPbc	02:43:44.194		37.1		2.90		TAS					m_e
GRA1	147.39		L	03:50:30.872						T__		3583.5	19.70	a_e Ms	6.2
GTTG	146.35		PKPbc	02:43:35.161	0.1	36.2		2.98		TAS					a_e
GTTG	146.35		pPKPbc	02:43:41.587	-0.3	37.1		2.90		TAS					m_e
GUNZ	146.42		PKPbc	02:43:35.261	0.0	36.2		2.98		TAS					m_e
GUNZ	146.42		pPKPbc	02:43:41.445	0.1	37.1		2.90		TAS					m_e
IBBN	146.43		PKPbc	02:43:35.226	-0.3	36.2		2.98		TAS					m_e
IBBN	146.43		pPKPbc	02:43:41.759	-0.2	37.1		2.90		TAS					m_e
KAST	147.16		PKPbc	02:43:37.187		36.2		2.98		TAS					m_e
KAST	147.16		pPKPbc	02:43:43.865		37.1		2.90		TAS					m_e
MANZ	146.80		PKPbc	02:43:36.313	0.1	36.2		2.98		TAS					m_e
MANZ	146.80		pPKPbc	02:43:42.594		37.1		2.90		TAS					m_e

MOX	146.48	PKPbc	02:43:35.171	-0.2	36.2	2.98	TAS	m_e										
MOX	146.48	pPKPbc	02:43:41.627	-0.0	37.1	2.90	TAS	m_e										
MOX	146.48	L	03:50:02.254				T__			5529.9	21.90	a_e Ms				6.3		
NEUB	145.98	PKPbc	02:43:33.722	-0.1	36.2	2.98	TAS	m_e										
NEUB	145.98	pPKPbc	02:43:40.055	0.0	37.1	2.90	TAS	m_e										
NRDL	145.51	PKPbc	02:43:32.213	0.0	36.2	2.98	TAS	m_e										
NRDL	145.51	pPKPbc	02:43:38.673	0.3	37.1	2.90	TAS	m_e										
PLN	146.39	PKPbc	02:43:35.043	-0.1	36.2	2.98	TAS	m_e										
PLN	146.39	pPKPbc	02:43:41.335	-0.0	37.1	2.90	TAS	m_e										
RETH	145.55	PKPbc	02:43:32.364	0.1	36.2	2.98	TAS	m_e										
ROTZ	146.93	PKPbc	02:43:36.546	0.0	36.2	2.98	TAS	m_e										
ROTZ	146.93	pPKPbc	02:43:43.031		37.1	2.90	TAS	m_e										
TANN	146.32	PKPbc	02:43:34.836	0.2	36.2	2.98	TAS	m_e										
TANN	146.32	pPKPbc	02:43:41.352	0.1	37.1	2.90	TAS	m_e										
TNS	147.98	PKPbc	02:43:39.767		36.2	2.98	TAS	m_e										
TNS	147.98	pPKPbc	02:43:46.016		37.1	2.90	TAS	m_e										
UBBA	146.94	PKPbc	02:43:36.599		36.2	2.98	TAS	m_e										
WERD	146.36	PKPbc	02:43:35.002	-0.1	36.2	2.98	TAS	m_e										
WERD	146.36	pPKPbc	02:43:41.263	0.1	37.1	2.90	TAS	m_e										
WERN	146.46	PKPbc	02:43:35.413	-0.2	36.2	2.98	TAS	m_e										
WERN	146.46	pPKPbc	02:43:41.772	-0.0	37.1	2.90	TAS	m_e										
WET	147.13	PKPbc	02:43:37.165		36.2	2.98	TAS	m_e										
WET	147.13	pPKPbc	02:43:43.552		37.1	2.90	TAS	m_e										

Event 71101006 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	02:54:25.61			-22.0500	169.4000				26.4	0.3		26		145.40	149.72	m i ke	BGR
71101012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.78		PKPbc	03:14:02.054	-0.3	38.4		2.82		TAS					m_e
BFO	149.72		PKPbc	03:14:12.524		38.4		2.82		TAS					m_e
BRG	145.43		PKPbc	03:14:01.062	0.5	38.4		2.82		TAS					a_e
BRG	145.43		pPKPbc	03:14:08.924						T__					m_e
CLL	145.50		PKPbc	03:14:00.462	0.3	38.4		2.82		TAS					a_e
CLZ	146.12		PKPbc	03:14:02.962	0.1	38.4		2.82		TAS					a_e
FBE	145.65		PKPbc	03:14:01.212	0.3	38.4		2.82		TAS					a_e
FBE	145.65		pPKPbc	03:14:09.213						T__					m_e
FLT1	145.40		PKPbc	03:13:59.962	-0.0	38.4		2.82		TAS					a_e
GEC2	147.01		PKPbc	03:14:05.562		38.4		2.82		TAS					a_e
GRA1	147.47		PKPbc	03:14:07.109		38.4		2.82		TAS					m_e
GTTG	146.50		PKPbc	03:14:04.162	0.3	38.4		2.82		TAS					a_e
GUNZ	146.50		PKPbc	03:14:04.212	-0.6	38.4		2.82		TAS					a_e

KAST	147.34	PKPbc	03:14:06.429	0.3	38.4	2.82	TAS	m_e
MANZ	146.88	PKPbc	03:14:05.562		38.4	2.82	TAS	a_e
NEUB	146.09	PKPbc	03:14:02.712	0.3	38.4	2.82	TAS	a_e
NRDL	145.68	PKPbc	03:14:01.377	0.2	38.4	2.82	TAS	m_e
PLN	146.48	PKPbc	03:14:04.212	0.3	38.4	2.82	TAS	a_e
RETH	145.75	PKPbc	03:14:01.649	0.1	38.4	2.82	TAS	m_e
RJOB	148.23	PKPbc	03:14:08.569		38.4	2.82	TAS	m_e
ROTZ	147.00	PKPbc	03:14:05.807		38.4	2.82	TAS	m_e
TANN	146.41	PKPbc	03:14:03.967	-0.5	38.4	2.82	TAS	m_e
TNS	148.14	PKPbc	03:14:08.862		38.4	2.82	TAS	a_e
UBR	149.49	PKPbc	03:14:11.826		38.4	2.82	TAS	m_e
WERD	146.44	PKPbc	03:14:03.912	-0.1	38.4	2.82	TAS	m_e
WERD	146.44	pPKPbc	03:14:11.786				T__	m_e
WERN	146.54	PKPbc	03:14:04.412	-0.6	38.4	2.82	TAS	a_e
WERN	146.54	pPKPbc	03:14:12.439				T__	m_e
WET	147.17	PKPbc	03:14:06.242		38.4	2.82	TAS	m_e
WLF	149.42	PKPbc	03:14:12.524		38.4	2.82	TAS	m_e

Event 71101007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	03:08:08.52			-22.2500	170.2600				27.6	0.7		24		145.90	150.04	m i ke	BGR
71101013																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	145.98		PKPbc	03:27:45.359	0.4	37.4		2.79		TAS					m_e
BRG	145.98		pPKPbc	03:27:53.731	0.2	37.4		2.80		TAS					m_e
CLL	146.03		PKPbc	03:27:44.710	0.2	37.4		2.79		TAS					m_e
CLL	146.03		pPKPbc	03:27:52.947	0.3	37.4		2.80		TAS					m_e
CLZ	146.61		PKPbc	03:27:47.243	0.1	37.4		2.79		TAS					m_e
CLZ	146.61		pPKPbc	03:27:55.449	0.0	37.4		2.80		TAS					m_e
FBE	146.19		PKPbc	03:27:45.814	0.3	37.4		2.79		TAS					m_e
FBE	146.19		pPKPbc	03:27:54.062	0.2	37.4		2.80		TAS					m_e
FLT1	145.90		PKPbc	03:27:44.385	0.1	37.4		2.79		TAS					m_e
FLT1	145.90		pPKPbc	03:27:52.550	0.2	37.4		2.80		TAS					m_e
GEC2	147.58		PKPbc	03:27:49.841		37.4		2.79		TAS					m_e
GEC2	147.58		pPKPbc	03:27:58.111		37.4		2.80		TAS					m_e
GRA1	148.01		PKPbc	03:27:51.075		37.4		2.79		TAS					m_e
GRA1	148.01		pPKPbc	03:27:59.389		37.4		2.80		TAS					m_e
GTTG	147.00		PKPbc	03:27:48.347	0.2	37.4		2.79		TAS					m_e
GTTG	147.00		pPKPbc	03:27:56.734	0.1	37.4		2.80		TAS					m_e
GUNZ	147.03		PKPbc	03:27:48.347		37.4		2.79		TAS					m_e
GUNZ	147.03		pPKPbc	03:27:56.766		37.4		2.80		TAS					m_e
IBBN	147.10		PKPbc	03:27:48.241	0.0	37.4		2.79		TAS					m_e

IBBN	147.10	pPKPbc	03:27:56.598	-0.0	37.4	2.80	TAS	m_e
MANZ	147.41	PKPbc	03:27:49.516		37.4	2.79	TAS	m_e
MANZ	147.41	pPKPbc	03:27:57.836		37.4	2.80	TAS	m_e
MOX	147.10	PKPbc	03:27:48.412	0.1	37.4	2.79	TAS	m_e
NEUB	146.61	PKPbc	03:27:46.911	0.3	37.4	2.79	TAS	m_e
NEUB	146.61	pPKPbc	03:27:55.150	0.3	37.4	2.80	TAS	m_e
NRDL	146.17	PKPbc	03:27:45.619	-0.7	37.4	2.79	TAS	m_e
NRDL	146.17	pPKPbc	03:27:53.873	-0.7	37.4	2.80	TAS	m_e
PLN	147.01	PKPbc	03:27:48.152	0.1	37.4	2.79	TAS	m_e
PLN	147.01	pPKPbc	03:27:56.552	-0.5	37.4	2.80	TAS	m_e
RJOB	148.80	PKPbc	03:27:52.849		37.4	2.79	TAS	m_e
RJOB	148.80	pPKPbc	03:28:01.072		37.4	2.80	TAS	m_e
ROTZ	147.54	PKPbc	03:27:49.971		37.4	2.79	TAS	m_e
ROTZ	147.54	pPKPbc	03:27:58.080		37.4	2.80	TAS	m_e
STU	149.55	PKPbc	03:27:55.282		37.4	2.79	TAS	m_e
TANN	146.94	PKPbc	03:27:48.087	-0.6	37.4	2.79	TAS	m_e
TANN	146.94	pPKPbc	03:27:56.318		37.4	2.80	TAS	m_e
TNS	148.64	PKPbc	03:27:52.978		37.4	2.79	TAS	m_e
TNS	148.64	pPKPbc	03:28:01.286		37.4	2.80	TAS	m_e
UBR	150.04	PKPbc	03:27:56.044		37.4	2.79	TAS	m_e
UBR	150.04	pPKPbc	03:28:04.426		37.4	2.80	TAS	m_e
WERD	146.98	PKPbc	03:27:48.217	-0.5	37.4	2.79	TAS	m_e
WERD	146.98	pPKPbc	03:27:56.284		37.4	2.80	TAS	m_e
WERN	147.07	PKPbc	03:27:48.547		37.4	2.79	TAS	m_e
WERN	147.07	pPKPbc	03:27:56.884		37.4	2.80	TAS	m_e
WET	147.72	PKPbc	03:27:50.296		37.4	2.79	TAS	m_e
WET	147.72	pPKPbc	03:27:58.767		37.4	2.80	TAS	m_e

Event 71101008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	04:13:22.67			-21.7900	169.5700				23.7	0.8		32		145.23	149.56	m i ke	BGR
71101014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.60		PKPbc	04:32:58.840	0.3	38.1		2.85		TAS					m_e
ASSE	145.60		pPKPbc	04:33:05.768	0.3	37.8		2.87		TAS					m_e
BFO	149.56		PKPbc	04:33:09.709		38.1		2.85		TAS					m_e
BFO	149.56		pPKPbc	04:33:16.762		37.8		2.87		TAS					m_e
BRG	145.28		PKPbc	04:32:58.210	0.0	38.1		2.85		TAS					m_e
BRG	145.28		pPKPbc	04:33:05.365	0.4	37.8		2.87		TAS					m_e
BUG	147.35		PKPbc	04:33:03.940	0.2	38.1		2.85		TAS					m_e
BUG	147.35		pPKPbc	04:33:10.973	0.2	37.8		2.87		TAS					m_e
CLL	145.34		PKPbc	04:32:57.659	0.1	38.1		2.85		TAS					m_e

CLL	145.34	pPKPbc	04:33:04.701	0.1	37.8	2.87	TAS	m_e
CLZ	145.94	PKPbc	04:33:00.256	0.2	38.1	2.85	TAS	m_e
CLZ	145.94	pPKPbc	04:33:07.293	0.1	37.8	2.87	TAS	m_e
FBE	145.49	PKPbc	04:32:58.603	0.2	38.1	2.85	TAS	m_e
FLT1	145.23	PKPbc	04:32:57.109	-0.5	38.1	2.85	TAS	m_e
FLT1	145.23	pPKPbc	04:33:04.313	-0.6	37.8	2.87	TAS	m_e
FUR	148.46	PKPbc	04:33:07.024		38.1	2.85	TAS	m_e
GEC2	146.86	PKPbc	04:33:02.773		38.1	2.85	TAS	m_e
GEC2	146.86	pPKPbc	04:33:09.827		37.8	2.87	TAS	m_e
GRA1	147.31	PKPbc	04:33:04.268	-0.4	38.1	2.85	TAS	m_e
GRA1	147.31	pPKPbc	04:33:11.192		37.8	2.87	TAS	m_e
GTTG	146.33	PKPbc	04:33:01.278	-0.0	38.1	2.85	TAS	m_e
GTTG	146.33	pPKPbc	04:33:08.565	0.2	37.8	2.87	TAS	m_e
GUNZ	146.34	PKPbc	04:33:01.278	0.5	38.1	2.85	TAS	m_e
IBBN	146.46	PKPbc	04:33:01.273	-0.1	38.1	2.85	TAS	m_e
IBBN	146.46	pPKPbc	04:33:08.501	-0.2	37.8	2.87	TAS	m_e
KAST	147.16	PKPbc	04:33:03.717	0.1	38.1	2.85	TAS	m_e
KAST	147.16	pPKPbc	04:33:10.816	0.2	37.8	2.87	TAS	m_e
MANZ	146.72	PKPbc	04:33:02.380	-0.0	38.1	2.85	TAS	m_e
MOX	146.41	PKPbc	04:33:01.278	0.4	38.1	2.85	TAS	m_e
MOX	146.41	pPKPbc	04:33:08.537	0.2	37.8	2.87	TAS	m_e
NEUB	145.92	PKPbc	04:33:00.020	0.1	38.1	2.85	TAS	m_e
NEUB	145.92	pPKPbc	04:33:07.059	0.1	37.8	2.87	TAS	m_e
NRDL	145.50	PKPbc	04:32:58.402	0.4	38.1	2.85	TAS	m_e
NRDL	145.50	pPKPbc	04:33:05.427	0.3	37.8	2.87	TAS	m_e
PLN	146.31	PKPbc	04:33:01.042	0.2	38.1	2.85	TAS	m_e
PLN	146.31	pPKPbc	04:33:08.223	-0.1	37.8	2.87	TAS	m_e
RETH	145.56	PKPbc	04:32:58.586	-0.1	38.1	2.85	TAS	m_e
RETH	145.56	pPKPbc	04:33:05.724	-0.2	37.8	2.87	TAS	m_e
RJOB	148.08	PKPbc	04:33:05.873		38.1	2.85	TAS	m_e
ROTZ	146.84	PKPbc	04:33:02.616	-0.5	38.1	2.85	TAS	m_e
STU	148.86	PKPbc	04:33:08.163		38.1	2.85	TAS	m_e
STU	148.86	pPKPbc	04:33:15.294		37.8	2.87	TAS	m_e
TANN	146.25	PKPbc	04:33:00.806	0.4	38.1	2.85	TAS	m_e
TANN	146.25	pPKPbc	04:33:07.977	-0.6	37.8	2.87	TAS	m_e
TNS	147.97	PKPbc	04:33:05.999	0.0	38.1	2.85	TAS	m_e
TNS	147.97	pPKPbc	04:33:13.163		37.8	2.87	TAS	m_e
UBBA	146.91	PKPbc	04:33:02.778	0.2	38.1	2.85	TAS	m_e
UBR	149.34	PKPbc	04:33:09.209		38.1	2.85	TAS	m_e
UBR	149.34	pPKPbc	04:33:16.080		37.8	2.87	TAS	m_e
WERD	146.28	PKPbc	04:33:01.042	0.1	38.1	2.85	TAS	m_e
WERD	146.28	pPKPbc	04:33:08.151	-0.1	37.8	2.87	TAS	m_e
WERN	146.38	PKPbc	04:33:01.514	0.1	38.1	2.85	TAS	m_e
WERN	146.38	pPKPbc	04:33:08.638		37.8	2.87	TAS	m_e
WET	147.02	PKPbc	04:33:03.167	-0.4	38.1	2.85	TAS	m_e
WET	147.02	pPKPbc	04:33:10.494		37.8	2.87	TAS	m_e
WLF	149.24	PKPbc	04:33:09.855	-0.2	38.1	2.85	TAS	m_e
WLF	149.24	pPKPbc	04:33:17.137		37.8	2.87	TAS	m_e

Event 71101009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	05:09:01.16			-22.1300	170.9100				33.0	0.4		32		145.00	150.38	m i ke	BGR
OrigID 71101015																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	71101015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.39		PKPbc	05:28:38.168	0.2	36.3		2.81		TAS				m_e	
BFO	150.38		PKPbc	05:28:48.962		36.3		2.81		TAS				m_e	
BRG	146.14		PKPbc	05:28:38.004	0.1	36.3		2.81		TAS				m_e	
BSEG	145.00		PKPbc	05:28:33.328	-0.5	36.3		2.81		TAS				m_e	
CLL	146.19		PKPbc	05:28:37.265	-0.1	36.3		2.81		TAS				m_e	
CLZ	146.73		PKPbc	05:28:39.562	0.2	36.3		2.81		TAS				m_e	
FBE	146.34		PKPbc	05:28:38.308	0.5	36.3		2.81		TAS				m_e	
FLT1	146.03		PKPbc	05:28:36.745	-0.2	36.3		2.81		TAS				m_e	
FUR	149.34		PKPbc	05:28:45.931		36.3		2.81		TAS				m_e	
GEC2	147.77		PKPbc	05:28:42.351	0.4	36.3		2.81		TAS				m_e	
GRA1	148.16		PKPbc	05:28:43.593	0.5	36.3		2.81		TAS				m_e	
GRA1	148.16		L	06:43:35.893						T__		708.4	20.70	a_e Ms	5.4
GTTG	147.12		PKPbc	05:28:40.832	0.2	36.3		2.81		TAS				m_e	
GUNZ	147.19		PKPbc	05:28:40.826	0.2	36.3		2.81		TAS				m_e	
IBBN	147.19		PKPbc	05:28:40.830	0.0	36.3		2.81		TAS				m_e	
KAST	147.94		PKPbc	05:28:42.835	-0.7	36.3		2.81		TAS				m_e	
MANZ	147.57		PKPbc	05:28:41.928	0.1	36.3		2.81		TAS				m_e	
MOX	147.25		PKPbc	05:28:40.696	-0.0	36.3		2.81		TAS				m_e	
MOX	147.25		L	06:55:01.261						T__		724.8	20.30	a_e Ms	5.5
NEUB	146.75		PKPbc	05:28:39.363	0.1	36.3		2.81		TAS				m_e	
NRDL	146.28		PKPbc	05:28:37.922	0.3	36.3		2.81		TAS				m_e	
PLN	147.16		PKPbc	05:28:40.641	0.3	36.3		2.81		TAS				m_e	
RETH	146.32		PKPbc	05:28:38.004	0.1	36.3		2.81		TAS				m_e	
RJOB	148.99		PKPbc	05:28:45.232		36.3		2.81		TAS				m_e	
ROTZ	147.70		PKPbc	05:28:42.293	0.3	36.3		2.81		TAS				m_e	
STU	149.69		PKPbc	05:28:47.519		36.3		2.81		TAS				m_e	
TANN	147.10		PKPbc	05:28:40.534	0.3	36.3		2.81		TAS				m_e	
TNS	148.76		PKPbc	05:28:45.317	-0.5	36.3		2.81		TAS				m_e	
UBBA	147.71		PKPbc	05:28:42.192	0.1	36.3		2.81		TAS				m_e	
UBR	150.20		PKPbc	05:28:48.567		36.3		2.81		TAS				m_e	
WERD	147.13		PKPbc	05:28:40.573	0.4	36.3		2.81		TAS				m_e	
WERN	147.23		PKPbc	05:28:41.067	0.3	36.3		2.81		TAS				m_e	
WET	147.90		PKPbc	05:28:42.795	-0.7	36.3		2.81		TAS				m_e	
WLF	150.00		PKPbc	05:28:49.026		36.3		2.81		TAS				m_e	

Event 71101010 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	09:33:47.08			-22.0100	169.4700				26.8	0.6		28		145.39	149.72	m i ke	BGR
71101016																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	71101016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.35		PKPbc	09:53:30.876	0.3	38.6		2.82		TAS					m_e
ASSE	145.76		PKPbc	09:53:23.187	0.2	38.6		2.82		TAS					m_e
ASSE	145.76		pPKPbc	09:53:31.179	0.4	37.0		3.05		TAS					m_e
BFO	149.72		PKPbc	09:53:34.115		38.6		2.82		TAS					m_e
BRG	145.43		PKPbc	09:53:22.802	0.1	38.6		2.82		TAS					m_e
CLL	145.50		PKPbc	09:53:22.019	0.1	38.6		2.82		TAS					m_e
CLL	145.50		pPKPbc	09:53:30.183	-0.2	37.0		3.05		TAS					m_e
CLZ	146.11		PKPbc	09:53:24.700	0.2	38.6		2.82		TAS					m_e
FBE	145.64		PKPbc	09:53:23.125	0.3	38.6		2.82		TAS					m_e
FLT1	145.39		PKPbc	09:53:21.781	-0.0	38.6		2.82		TAS					m_e
FLT1	145.39		pPKPbc	09:53:29.616	0.2	37.0		3.05		TAS					m_e
GEC2	147.01		PKPbc	09:53:27.202		38.6		2.82		TAS					m_e
GEC2	147.01		pPKPbc	09:53:35.265		37.0		3.05		TAS					m_e
GRA1	147.47		PKPbc	09:53:28.581		38.6		2.82		TAS					m_e
GRA1	147.47		L	11:08:47.511						T__		190.7	20.70	a_e Ms	4.9
GTTG	146.50		PKPbc	09:53:25.855	-0.0	38.6		2.82		TAS					m_e
GTTG	146.50		pPKPbc	09:53:33.818	-0.1	37.0		3.05		TAS					m_e
GUNZ	146.49		PKPbc	09:53:25.898	0.1	38.6		2.82		TAS					m_e
GUNZ	146.49		pPKPbc	09:53:33.740		37.0		3.05		TAS					m_e
KAST	147.33		PKPbc	09:53:28.092	0.3	38.6		2.82		TAS					m_e
MANZ	146.87		PKPbc	09:53:26.908	-0.4	38.6		2.82		TAS					m_e
MOX	146.57		PKPbc	09:53:25.988	0.2	38.6		2.82		TAS					m_e
MOX	146.57		L	11:02:01.650						T__		170.3	21.20	a_e Ms	4.8
NEUB	146.08		PKPbc	09:53:24.375	0.3	38.6		2.82		TAS					m_e
NEUB	146.08		pPKPbc	09:53:32.484		37.0		3.05		TAS					m_e
NRDL	145.67		PKPbc	09:53:22.848	-0.7	38.6		2.82		TAS					m_e
NRDL	145.67		pPKPbc	09:53:30.847	0.3	37.0		3.05		TAS					m_e
PLN	146.47		PKPbc	09:53:25.545	0.3	38.6		2.82		TAS					m_e
PLN	146.47		pPKPbc	09:53:33.665		37.0		3.05		TAS					m_e
RJOB	148.22		PKPbc	09:53:30.215		38.6		2.82		TAS					m_e
ROTZ	147.00		PKPbc	09:53:27.205		38.6		2.82		TAS					m_e
STU	149.02		PKPbc	09:53:32.745		38.6		2.82		TAS					m_e
TANN	146.40		PKPbc	09:53:25.617	-0.0	38.6		2.82		TAS					m_e
TNS	148.13		PKPbc	09:53:30.255	-0.5	38.6		2.82		TAS					m_e
TNS	148.13		pPKPbc	09:53:38.292		37.0		3.05		TAS					m_e
UBR	149.49		PKPbc	09:53:33.612		38.6		2.82		TAS					m_e
WERD	146.44		PKPbc	09:53:25.466	0.1	38.6		2.82		TAS					m_e

WERD	146.44	pPKPbc	09:53:33.458	37.0	3.05	TAS	m_e
WERN	146.53	PKPbc	09:53:25.969	-0.5 38.6	2.82	TAS	m_e
WERN	146.53	pPKPbc	09:53:34.046	37.0	3.05	TAS	m_e
WET	147.17	PKPbc	09:53:27.607	38.6	2.82	TAS	m_e
WET	147.17	pPKPbc	09:53:35.630	37.0	3.05	TAS	m_e
WLF	149.41	PKPbc	09:53:34.209	38.6	2.82	TAS	m_e
WLF	149.41	pPKPbc	09:53:42.258	37.0	3.05	TAS	m_e

Event 71101011 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	12:53:28.96			-21.9600	170.4800				28.3	1.0		29		145.72	150.06	m i ke	BGR
OrigID 71101017																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	71101017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.64		PKPbc	13:13:13.273	-0.1	37.0		2.78		TAS				m_e	
AHRW	148.64		pPKPbc	13:13:21.651		36.9		2.86		TAS				m_e	
ASSE	146.08		pPKPbc	13:13:14.209	0.2	36.9		2.86		TAS				m_e	
BFO	150.06		PKPbc	13:13:16.510		37.0		2.78		TAS				m_e	
BRG	145.81		PKPbc	13:13:05.323	0.2	37.0		2.78		TAS				m_e	
BRG	145.81		pPKPbc	13:13:13.890	-0.7	36.9		2.86		TAS				m_e	
CLL	145.86		PKPbc	13:13:04.597	0.2	37.0		2.78		TAS				m_e	
CLL	145.86		pPKPbc	13:13:13.077	0.0	36.9		2.86		TAS				m_e	
CLZ	146.43		PKPbc	13:13:06.974	0.2	37.0		2.78		TAS				m_e	
CLZ	146.43		pPKPbc	13:13:15.689	0.3	36.9		2.86		TAS				m_e	
FBE	146.02		PKPbc	13:13:05.719	0.4	37.0		2.78		TAS				m_e	
FBE	146.02		pPKPbc	13:13:14.275	0.3	36.9		2.86		TAS				m_e	
FLT1	145.72		PKPbc	13:13:04.069	0.2	37.0		2.78		TAS				m_e	
FLT1	145.72		pPKPbc	13:13:12.587	0.1	36.9		2.86		TAS				m_e	
GEC2	147.43		PKPbc	13:13:09.681		37.0		2.78		TAS				m_e	
GRA1	147.84		PKPbc	13:13:11.199		37.0		2.78		TAS				m_e	
GRA1	147.84		L	14:22:46.225						T__		45.3	18.70	a_e Ms	4.3
GTTG	146.81		PKPbc	13:13:08.238	0.1	37.0		2.78		TAS				m_e	
GTTG	146.81		pPKPbc	13:13:16.643	-0.1	36.9		2.86		TAS				m_e	
GUNZ	146.86		PKPbc	13:13:08.294	-0.5	37.0		2.78		TAS				m_e	
IBBN	146.90		pPKPbc	13:13:16.530	0.1	36.9		2.86		TAS				m_e	
KAST	147.63		pPKPbc	13:13:18.906	0.3	36.9		2.86		TAS				m_e	
MANZ	147.25		PKPbc	13:13:09.489		37.0		2.78		TAS				m_e	
MOX	146.93		L	14:21:54.816						T__		29.9	21.90	a_e Ms	4.0
NEUB	146.43		PKPbc	13:13:06.684	0.3	37.0		2.78		TAS				m_e	
NEUB	146.43		pPKPbc	13:13:15.341	0.3	36.9		2.86		TAS				m_e	
NRDL	145.98		PKPbc	13:13:05.521	-0.7	37.0		2.78		TAS				m_e	
NRDL	145.98		pPKPbc	13:13:13.705	0.3	36.9		2.86		TAS				m_e	

PLN	146.84	PKPbc	13:13:08.162	0.3	37.0	2.78	TAS	m_e
PLN	146.84	pPKPbc	13:13:16.544		36.9	2.86	TAS	m_e
RETH	146.02	PKPbc	13:13:05.497	0.3	37.0	2.78	TAS	m_e
RJOB	148.65	PKPbc	13:13:12.771		37.0	2.78	TAS	m_e
ROTZ	147.38	PKPbc	13:13:09.681		37.0	2.78	TAS	m_e
STU	149.37	PKPbc	13:13:15.336		37.0	2.78	TAS	m_e
TANN	146.77	PKPbc	13:13:08.030	-0.5	37.0	2.78	TAS	m_e
TANN	146.77	pPKPbc	13:13:16.591		36.9	2.86	TAS	m_e
TNS	148.45	PKPbc	13:13:12.791		37.0	2.78	TAS	m_e
TNS	148.45	pPKPbc	13:13:21.309		36.9	2.86	TAS	m_e
UBR	149.87	PKPbc	13:13:15.931		37.0	2.78	TAS	m_e
UBR	149.87	pPKPbc	13:13:24.514		36.9	2.86	TAS	m_e
WERD	146.81	PKPbc	13:13:07.964	-0.4	37.0	2.78	TAS	m_e
WERD	146.81	pPKPbc	13:13:16.339		36.9	2.86	TAS	m_e
WERN	146.90	PKPbc	13:13:08.624		37.0	2.78	TAS	m_e
WET	147.57	PKPbc	13:13:10.209		37.0	2.78	TAS	m_e
WLF	149.70	pPKPbc	13:13:25.002		36.9	2.86	TAS	m_e

Event 71101013 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	19:53:22.56			-22.3200	170.7700				24.2	0.8		20		146.15	150.31	m i ke	BGR
71101019																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	146.25		PKPbc	20:13:00.656	-0.5	36.9		2.76		TAS					m_e
CLL	146.30		PKPbc	20:13:00.114	0.4	36.9		2.76		TAS					m_e
CLL	146.30		pPKPbc	20:13:07.471		36.2		2.79		TAS					m_e
CLZ	146.86		PKPbc	20:13:02.804	0.2	36.9		2.76		TAS					m_e
CLZ	146.86		pPKPbc	20:13:09.850	0.1	36.2		2.79		TAS					m_e
FBE	146.46		PKPbc	20:13:01.138	0.0	36.9		2.76		TAS					m_e
FBE	146.46		pPKPbc	20:13:08.543		36.2		2.79		TAS					m_e
FLT1	146.15		PKPbc	20:12:59.451	0.1	36.9		2.76		TAS					m_e
FLT1	146.15		pPKPbc	20:13:06.922	0.0	36.2		2.79		TAS					m_e
GEC2	147.87		PKPbc	20:13:05.233		36.9		2.76		TAS					m_e
GEC2	147.87		pPKPbc	20:13:12.528		36.2		2.79		TAS					m_e
GRA1	148.28		PKPbc	20:13:06.498		36.9		2.76		TAS					m_e
GTTG	147.25		PKPbc	20:13:03.547	0.1	36.9		2.76		TAS					m_e
GUNZ	147.30		PKPbc	20:13:03.788		36.9		2.76		TAS					m_e
IBBN	147.33		PKPbc	20:13:03.714	0.1	36.9		2.76		TAS					m_e
IBBN	147.33		pPKPbc	20:13:10.982	0.1	36.2		2.79		TAS					m_e
MANZ	147.69		pPKPbc	20:13:12.191		36.2		2.79		TAS					m_e
MOX	147.37		PKPbc	20:13:03.688		36.9		2.76		TAS					m_e
MOX	147.37		pPKPbc	20:13:11.088		36.2		2.79		TAS					m_e

NRDL	146.41	PKPbc	20:13:00.869	-0.6	36.9	2.76	TAS	m_e
PLN	147.28	PKPbc	20:13:03.508		36.9	2.76	TAS	m_e
PLN	147.28	pPKPbc	20:13:10.742		36.2	2.79	TAS	m_e
RJOB	149.09	PKPbc	20:13:08.195		36.9	2.76	TAS	m_e
ROTZ	147.82	PKPbc	20:13:05.274		36.9	2.76	TAS	m_e
TANN	147.21	PKPbc	20:13:03.366		36.9	2.76	TAS	m_e
TANN	147.21	pPKPbc	20:13:10.519		36.2	2.79	TAS	m_e
UBR	150.31	PKPbc	20:13:11.451		36.9	2.76	TAS	m_e
UBR	150.31	pPKPbc	20:13:18.867		36.2	2.79	TAS	m_e
WERD	147.25	PKPbc	20:13:03.553		36.9	2.76	TAS	m_e
WERD	147.25	pPKPbc	20:13:10.672		36.2	2.79	TAS	m_e
WET	148.01	PKPbc	20:13:05.655		36.9	2.76	TAS	m_e
WET	148.01	pPKPbc	20:13:12.958		36.2	2.79	TAS	m_e

Event 71101015 Tyrrhenian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	23:12:37.10			40.4100	13.3200				437.0			20		8.44	13.68	m i ke	EMSC
71101063																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	8.69		P	23:14:40.531	-0.5	166.6		10.96		TAS		7.8	0.64	m_e	
BSEG	13.68		P	23:15:35.532		166.6		10.96		TAS		18.5	0.96	m_e	
CLL	10.90		P	23:15:05.987		166.6		10.96		TAS		21.3	0.79	m_e	
FBE	10.51		P	23:15:02.326	2.2	166.6		10.96		TAS		29.5	0.91	m_e	
FLT1	12.01		P	23:15:17.188		166.6		10.96		TAS		7.6	0.87	m_e	
GEC2	8.44		P	23:14:37.511	-1.0	166.6		10.96		TAS		11.9	0.89	m_e	
GRA1	9.40		P	23:14:49.808	0.3	166.6		10.96		TAS		44.4	0.72	m_e	
GTTG	11.38		P	23:15:11.278		166.6		10.96		TAS		11.2	0.68	m_e	
GUNZ	9.98		P	23:14:55.872	-0.5	166.6		10.96		TAS		64.1	0.62	m_e	
MANZ	9.61		P	23:14:50.909	0.1	166.6		10.96		TAS		4.3	0.88	m_e	
MOX	10.30		P	23:14:59.363	1.1	166.6		10.96		TAS		28.8	0.82	m_e	
PLN	10.11		P	23:14:57.035	2.7	166.6		10.96		TAS		124.7	1.90	m_e	
ROTZ	9.39		P	23:14:48.467	0.2	166.6		10.96		TAS		3.3	0.53	m_e	
RUE	12.07		P	23:15:18.478		166.6		10.96		TAS		31.4	0.59	m_e	
TANN	10.02		P	23:14:56.363	-0.5	166.6		10.96		TAS		40.1	0.96	m_e	
TNS	10.39		P	23:15:00.328	-0.9	166.6		10.96		TAS		36.5	0.84	m_e	
WERD	10.06		P	23:14:56.713	2.1	166.6		10.96		TAS		31.8	0.93	m_e	
WERN	9.90		P	23:14:54.857	-0.2	166.6		10.96		TAS		22.6	0.69	m_e	
WET	8.74		P	23:14:40.804	-1.1	166.6		10.96		TAS		29.5	0.47	m_e	
WLF	10.55		P	23:15:02.253	-1.4	166.6		10.96		TAS		19.0	0.79	m_e	

Event 71101016 Mexico-Guatemala border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/01	23:29:23.18			15.4600	-91.8400				33.0			33		83.44	88.38	m i ke	BGR
71101022																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	71101022
MBB	5.9		BGR	71101022
Ms	4.4		BGR	71101022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.77		P	23:41:49.425	0.1	289.6		4.92		TAS				m_e	
ASSE	85.42		P	23:41:57.607	0.1	289.6		4.92		TAS		29.6	0.81	a_e	MBB 5.7
BFO	85.20		P	23:41:55.954	-0.4	289.6		4.92		TAS		35.7	1.04	m_e	MBB 5.6
BRG	87.78		P	23:42:09.107	0.0	289.6		4.92		TAS		11.0	0.88	m_e	mb 5.2
BSEG	84.63		P	23:41:53.407	-0.2	289.6		4.92		TAS		56.4	0.76	a_e	MBB 6.1
BUG	83.62		P	23:41:48.255	-0.4	289.6		4.92		TAS		64.7	1.20	m_e	MBB 5.8
CLL	87.07		P	23:42:05.507	-0.1	289.6		4.92		TAS		15.0	0.82	a_e	mb 5.2
CLZ	85.34		P	23:41:57.307	0.2	289.6		4.92		TAS		44.0	0.90	a_e	MBB 5.9
FBE	87.41		P	23:42:06.927	-0.4	289.6		4.92		TAS		10.8	0.74	m_e	mb 5.1
FLT1	85.68		P	23:41:58.257	-0.5	289.6		4.92		TAS		35.0	0.99	a_e	MBB 5.7
FUR	87.12		P	23:42:06.192	0.4	289.6		4.92		TAS		9.1	0.65	m_e	mb 5.0
GEC2	88.38		P	23:42:11.457	-0.6	289.6		4.92		TAS		12.1	0.85	a_e	mb 5.3
GRA1	86.57		P	23:42:03.447	0.1	289.6		4.92		TAS		37.8	1.02	m_e	mb 5.5
GRA1	86.57		L	00:20:42.257						T__		204.2	19.70	a_e	Ms 4.5
GTTG	85.20		P	23:41:56.507	0.3	289.6		4.92		TAS		74.3	0.80	a_e	MBB 6.1
GUNZ	87.01		P	23:42:05.554	-0.2	289.6		4.92		TAS		11.5	0.88	m_e	mb 5.0
IBBN	83.66		P	23:41:48.577	-0.0	289.6		4.92		TAS		104.8	1.15	m_e	MBB 6.1
KAST	84.38		P	23:41:52.257	-0.0	289.6		4.92		TAS		45.4	0.93	a_e	MBB 5.9
MANZ	87.00		P	23:42:05.637		289.6		4.92		TAS		2.7	1.01	m_e	mb 4.3
MOX	86.48		P	23:42:02.657	0.1	289.6		4.92		TAS		12.1	0.91	a_e	MBB 5.3
MOX	86.48		L	00:21:05.898						T__		110.9	19.10	a_e	Ms 4.3
NEUB	86.38		P	23:42:02.207	0.3	289.6		4.92		TAS		17.5	0.78	a_e	MBB 5.6
NRDL	84.98		P	23:41:55.371	-0.4	289.6		4.92		TAS		41.3	0.87	m_e	MBB 5.8
PLN	86.86		P	23:42:04.607	0.4	289.6		4.92		TAS		8.8	0.72	a_e	mb 5.0
RETH	84.47		P	23:41:53.057	-0.1	289.6		4.92		TAS		75.5	0.86	a_e	MBB 6.2
RJOB	88.22		P	23:42:10.895	0.1	289.6		4.92		TAS		7.5	0.88	m_e	mb 5.0
ROTZ	87.14		P	23:42:06.342	0.3	289.6		4.92		TAS		2.0	0.95	m_e	mb 4.2
STU	85.61		P	23:41:58.307	-0.2	289.6		4.92		TAS		135.9	0.82	a_e	MBB 6.2
TANN	87.06		P	23:42:05.930	0.4	289.6		4.92		TAS		8.7	0.83	m_e	mb 4.9
TNS	84.70		P	23:41:54.007	0.1	289.6		4.92		TAS		112.9	0.80	a_e	MBB 6.2
UBBA	85.45		P	23:41:57.907		289.6		4.92		TAS		28.3	0.27	a_e	MBB 5.7
UBR	86.54		P	23:42:03.031		289.6		4.92		TAS		29.8	1.03	m_e	MBB 5.5
WERN	87.06		P	23:42:05.957		289.6		4.92		TAS		16.5	1.21	a_e	mb 5.0
WET	87.77		P	23:42:08.807		289.6		4.92		TAS		15.6	0.80	a_e	mb 5.4
WLF	83.44		P	23:41:47.773		289.6		4.92		TAS		172.4	1.62	m_e	MBB 6.0

Event 71102001 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/02	01:36:13.60			-21.7300	168.9000				10.0					146.98	146.98	m i ke	NEIC-M

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.98		PKPbc	01:55:55.651		40.4		2.34		TAS					m_e

Event 71102002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/02	03:27:27.72			-21.9500	170.1300				23.5	1.1		34		145.02	149.92	m i ke	BGR

Magnitude Err Nsta Author OrigID

Ms 5.1 BGR 71102008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.52		PKPbc	03:47:12.198	0.5	37.3		2.86		TAS					m_e
ASSE	145.95		PKPbc	03:47:04.697	0.4	37.3		2.86		TAS					m_e
BFO	149.92		PKPbc	03:47:15.400		37.3		2.86		TAS					m_e
BRG	145.66		PKPbc	03:47:04.224	-0.1	37.3		2.86		TAS					a_e
BUG	147.68		PKPbc	03:47:09.712	-0.6	37.3		2.86		TAS					m_e
BUG	147.68		pPKPbc	03:47:16.933		37.0		2.94		TAS					m_e
CLL	145.71		PKPbc	03:47:03.487	-0.1	37.3		2.86		TAS					m_e
CLZ	146.29		PKPbc	03:47:06.091	0.2	37.3		2.86		TAS					m_e
CLZ	146.29		pPKPbc	03:47:13.110	0.1	37.0		2.94		TAS					m_e
FBE	145.87		PKPbc	03:47:04.474	0.3	37.3		2.86		TAS					a_e
FBE	145.87		pPKPbc	03:47:11.511	-0.4	37.0		2.94		TAS					m_e
FLT1	145.58		PKPbc	03:47:02.979	-0.2	37.3		2.86		TAS					m_e
FUR	148.84		PKPbc	03:47:13.256	-0.7	37.3		2.86		TAS					m_e
GEC2	147.26		PKPbc	03:47:08.724	0.3	37.3		2.86		TAS					a_e
GEC2	147.26		pPKPbc	03:47:15.641		37.0		2.94		TAS					m_e
GOR1	145.02		PKPbc	03:47:01.557	-0.6	37.3		2.86		TAS					m_e
GRA1	147.69		PKPbc	03:47:10.053	0.1	37.3		2.86		TAS					m_e
GRA1	147.69		L	04:54:36.385						T__		309.7	20.60	a_e Ms	5.1
GTTG	146.68		PKPbc	03:47:07.308	0.4	37.3		2.86		TAS					m_e
GTTG	146.68		pPKPbc	03:47:14.260		37.0		2.94		TAS					m_e
GUNZ	146.71		PKPbc	03:47:07.374	0.1	37.3		2.86		TAS					a_e
GUNZ	146.71		pPKPbc	03:47:14.486		37.0		2.94		TAS					m_e

IBBN	146.78	PKPbc	03:47:07.187	0.3	37.3	2.86	TAS	m_e
KAST	147.51	PKPbc	03:47:09.457	-0.0	37.3	2.86	TAS	m_e
KAST	147.51	pPKPbc	03:47:16.620		37.0	2.94	TAS	m_e
MANZ	147.09	PKPbc	03:47:08.406	-0.0	37.3	2.86	TAS	m_e
MOX	146.78	PKPbc	03:47:07.295	-0.1	37.3	2.86	TAS	m_e
MOX	146.78	L	04:55:50.813				T__	321.3 20.30 a_e Ms 5.1
NEUB	146.29	PKPbc	03:47:05.774	0.3	37.3	2.86	TAS	a_e
NEUB	146.29	pPKPbc	03:47:12.844	-0.2	37.0	2.94	TAS	m_e
NRDL	145.85	PKPbc	03:47:04.349	0.3	37.3	2.86	TAS	m_e
PLN	146.69	PKPbc	03:47:07.160	0.1	37.3	2.86	TAS	m_e
PLN	146.69	pPKPbc	03:47:14.175		37.0	2.94	TAS	m_e
RETH	145.90	PKPbc	03:47:04.591	0.0	37.3	2.86	TAS	m_e
RETH	145.90	pPKPbc	03:47:11.502	0.3	37.0	2.94	TAS	m_e
RJOB	148.48	PKPbc	03:47:11.724	-0.6	37.3	2.86	TAS	a_e
ROTZ	147.22	PKPbc	03:47:08.617	-0.2	37.3	2.86	TAS	m_e
STU	149.23	PKPbc	03:47:14.174		37.3	2.86	TAS	a_e
TANN	146.62	PKPbc	03:47:07.074	-0.2	37.3	2.86	TAS	a_e
TANN	146.62	pPKPbc	03:47:13.955		37.0	2.94	TAS	m_e
TNS	148.32	PKPbc	03:47:12.024	0.0	37.3	2.86	TAS	a_e
UBBA	147.26	PKPbc	03:47:08.621	0.2	37.3	2.86	TAS	m_e
UBR	149.72	PKPbc	03:47:14.981		37.3	2.86	TAS	m_e
WERD	146.66	PKPbc	03:47:07.024	0.5	37.3	2.86	TAS	m_e
WERD	146.66	pPKPbc	03:47:13.944		37.0	2.94	TAS	m_e
WERN	146.75	PKPbc	03:47:07.574	0.1	37.3	2.86	TAS	a_e
WERN	146.75	pPKPbc	03:47:14.608		37.0	2.94	TAS	m_e
WET	147.41	PKPbc	03:47:09.080	0.5	37.3	2.86	TAS	m_e
WET	147.41	pPKPbc	03:47:16.445		37.0	2.94	TAS	m_e
WLF	149.58	PKPbc	03:47:15.774		37.3	2.86	TAS	a_e

Event 71102003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/02	07:12:49.84			-22.0300	170.4100				33.0			28		145.76	150.10	m i ke	BGR
71102009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.12		PKPbc	07:32:25.716	0.3	36.7		2.79		TAS				m_e	
BFO	150.10		PKPbc	07:32:36.545	0.3	36.7		2.79		TAS				m_e	
BRG	145.84		PKPbc	07:32:25.518		36.7		2.79		TAS				m_e	
CLL	145.90		PKPbc	07:32:24.768	0.3	36.7		2.79		TAS				a_e	
CLZ	146.47		PKPbc	07:32:27.115	-0.1	36.7		2.79		TAS				m_e	
FBE	146.05		PKPbc	07:32:25.818		36.7		2.79		TAS				a_e	
FLT1	145.76		PKPbc	07:32:24.175	0.1	36.7		2.79		TAS				m_e	
GEC2	147.46		PKPbc	07:32:29.868		36.7		2.79		TAS				a_e	

GRA1	147.87	PKPbc	07:32:31.085	0.4	36.7	2.79	TAS	m_e
GTTG	146.85	PKPbc	07:32:28.318	-0.4	36.7	2.79	TAS	a_e
GUNZ	146.90	PKPbc	07:32:28.418	-0.1	36.7	2.79	TAS	a_e
IBBN	146.94	PKPbc	07:32:28.268	0.5	36.7	2.79	TAS	a_e
MANZ	147.28	PKPbc	07:32:29.421		36.7	2.79	TAS	m_e
MOX	146.96	PKPbc	07:32:28.153	0.2	36.7	2.79	TAS	m_e
NEUB	146.47	PKPbc	07:32:26.968	0.2	36.7	2.79	TAS	a_e
NRDL	146.02	PKPbc	07:32:25.395	-0.7	36.7	2.79	TAS	m_e
PLN	146.87	PKPbc	07:32:28.158	0.1	36.7	2.79	TAS	m_e
RETH	146.06	PKPbc	07:32:25.507	0.2	36.7	2.79	TAS	m_e
RJOB	148.68	PKPbc	07:32:32.773		36.7	2.79	TAS	m_e
ROTZ	147.41	PKPbc	07:32:29.827		36.7	2.79	TAS	m_e
TANN	146.81	PKPbc	07:32:28.035		36.7	2.79	TAS	m_e
TNS	148.49	PKPbc	07:32:32.772	-0.0	36.7	2.79	TAS	m_e
UBBA	147.44	PKPbc	07:32:29.549	-0.5	36.7	2.79	TAS	m_e
UBR	149.91	PKPbc	07:32:36.068	-0.6	36.7	2.79	TAS	a_e
WERD	146.84	PKPbc	07:32:28.068	0.2	36.7	2.79	TAS	a_e
WERN	146.94	PKPbc	07:32:28.618		36.7	2.79	TAS	a_e
WET	147.60	PKPbc	07:32:30.393		36.7	2.79	TAS	m_e
WLF	149.74	PKPbc	07:32:36.648	-0.3	36.7	2.79	TAS	m_e

Event 71102008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/02	16:53:31.77			-22.1400	169.6100			27.3		1.0		34		145.01	149.89	m i ke	BGR
OrigID 71102014																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	71102014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.52		PKPbc	17:13:15.954	0.3	38.3		2.88		TAS					a_e
AHRW	148.52		pPKPbc	17:13:24.001	-0.1	36.7		2.97		TAS					m_e
ASSE	145.93		PKPbc	17:13:08.104	-0.6	38.3		2.88		TAS					a_e
ASSE	145.93		pPKPbc	17:13:16.431	0.1	36.7		2.97		TAS					m_e
BFO	149.89		PKPbc	17:13:19.431		38.3		2.88		TAS					m_e
BRG	145.60		PKPbc	17:13:07.554	0.4	38.3		2.88		TAS					a_e
BRG	145.60		pPKPbc	17:13:16.022	0.1	36.7		2.97		TAS					m_e
BUG	147.69		PKPbc	17:13:13.307	-0.2	38.3		2.88		TAS					m_e
CLL	145.67		PKPbc	17:13:06.854	0.2	38.3		2.88		TAS					a_e
CLL	145.67		pPKPbc	17:13:15.278	0.1	36.7		2.97		TAS					m_e
CLZ	146.28		PKPbc	17:13:09.454	0.3	38.3		2.88		TAS					a_e
CLZ	146.28		pPKPbc	17:13:17.835	-0.1	36.7		2.97		TAS					m_e
FBE	145.82		PKPbc	17:13:07.704	0.2	38.3		2.88		TAS					a_e
FBE	145.82		pPKPbc	17:13:16.159	0.1	36.7		2.97		TAS					m_e
FLT1	145.56		PKPbc	17:13:06.404	-0.2	38.3		2.88		TAS					a_e

FLT1	145.56	pPKPbc	17:13:14.697	0.1	36.7	2.97	TAS			m_e		
FUR	148.78	PKPbc	17:13:16.639		38.3	2.88	TAS			m_e		
GEC2	147.19	PKPbc	17:13:12.054	-0.6	38.3	2.88	TAS			a_e		
GEC2	147.19	pPKPbc	17:13:20.218		36.7	2.97	TAS			m_e		
GOR1	145.01	PKPbc	17:13:05.155	0.1	38.3	2.88	TAS			m_e		
GRA1	147.64	PKPbc	17:13:13.149	-0.2	38.3	2.88	TAS			m_e		
GRA1	147.64	L	18:16:39.741				T__	174.4	21.20	a_e Ms	4.8	
GTTG	146.66	PKPbc	17:13:10.604	0.0	38.3	2.88	TAS			a_e		
GTTG	146.66	pPKPbc	17:13:18.902	0.4	36.7	2.97	TAS			m_e		
GUNZ	146.67	PKPbc	17:13:10.654	0.1	38.3	2.88	TAS			m_e		
GUNZ	146.67	pPKPbc	17:13:18.975	-0.4	36.7	2.97	TAS			m_e		
IBBN	146.79	PKPbc	17:13:11.004	0.3	38.3	2.88	TAS			a_e		
IBBN	146.79	pPKPbc	17:13:18.908	-0.4	36.7	2.97	TAS			m_e		
KAST	147.50	PKPbc	17:13:13.105	0.2	38.3	2.88	TAS			m_e		
KAST	147.50	pPKPbc	17:13:21.120	-0.1	36.7	2.97	TAS			m_e		
MANZ	147.05	PKPbc	17:13:11.799	0.1	38.3	2.88	TAS			m_e		
MOX	146.74	PKPbc	17:13:10.792	0.4	38.3	2.88	TAS			m_e		
MOX	146.74	pPKPbc	17:13:18.918	0.2	36.7	2.97	TAS			m_e		
MOX	146.74	L	18:21:45.327				T__	197.9	19.80	a_e Ms	4.9	
NEUB	146.25	PKPbc	17:13:09.154	0.2	38.3	2.88	TAS			a_e		
NEUB	146.25	pPKPbc	17:13:17.506	-0.0	36.7	2.97	TAS			m_e		
NRDL	145.84	PKPbc	17:13:07.754	-0.1	38.3	2.88	TAS			a_e		
NRDL	145.84	pPKPbc	17:13:15.974	0.5	36.7	2.97	TAS			m_e		
PLN	146.64	PKPbc	17:13:10.704	0.4	38.3	2.88	TAS			a_e		
PLN	146.64	pPKPbc	17:13:18.596	0.1	36.7	2.97	TAS			m_e		
RETH	145.90	PKPbc	17:13:07.954	-0.8	38.3	2.88	TAS			a_e		
RETH	145.90	pPKPbc	17:13:16.104	0.1	36.7	2.97	TAS			m_e		
RJOB	148.40	PKPbc	17:13:15.010		38.3	2.88	TAS			m_e		
ROTZ	147.17	PKPbc	17:13:11.927	-0.0	38.3	2.88	TAS			m_e		
ROTZ	147.17	pPKPbc	17:13:20.332		36.7	2.97	TAS			m_e		
STU	149.19	PKPbc	17:13:17.504	-0.7	38.3	2.88	TAS			a_e		
TANN	146.57	PKPbc	17:13:10.454	0.3	38.3	2.88	TAS			a_e		
TANN	146.57	pPKPbc	17:13:18.533	-0.2	36.7	2.97	TAS			m_e		
TNS	148.30	PKPbc	17:13:15.254	0.0	38.3	2.88	TAS			a_e		
TNS	148.30	pPKPbc	17:13:23.306		36.7	2.97	TAS			m_e		
UBBA	147.24	PKPbc	17:13:12.183	0.2	38.3	2.88	TAS			m_e		
UBBA	147.24	pPKPbc	17:13:20.107	0.3	36.7	2.97	TAS			m_e		
UBR	149.66	PKPbc	17:13:18.354		38.3	2.88	TAS			a_e		
WERD	146.61	PKPbc	17:13:10.354	0.2	38.3	2.88	TAS			a_e		
WERD	146.61	pPKPbc	17:13:18.636	-0.0	36.7	2.97	TAS			m_e		
WERN	146.71	PKPbc	17:13:10.904	0.1	38.3	2.88	TAS			a_e		
WERN	146.71	pPKPbc	17:13:19.035		36.7	2.97	TAS			m_e		
WET	147.34	PKPbc	17:13:12.567	0.1	38.3	2.88	TAS			m_e		
WET	147.34	pPKPbc	17:13:20.701		36.7	2.97	TAS			m_e		
WLF	149.58	PKPbc	17:13:18.954	-0.1	38.3	2.88	TAS			a_e		
WLF	149.58	pPKPbc	17:13:27.195		36.7	2.97	TAS			m_e		

Event 71102009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/02	21:37:40.46			-21.7800	169.7400				25.2	1.5		28		145.28	149.62	m i ke	BGR
71102015																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.23		PKPbc	21:57:23.633	0.2	38.4		2.84		TAS					a_e
AHRW	148.23		pPKPbc	21:57:31.246		37.7		2.77		TAS					m_e
ASSE	145.65		PKPbc	21:57:15.983	0.4	38.4		2.84		TAS					a_e
BFO	149.62		PKPbc	21:57:26.891		38.4		2.84		TAS					m_e
BRG	145.34		PKPbc	21:57:15.433	0.2	38.4		2.84		TAS					a_e
BRG	145.34		pPKPbc	21:57:23.294	-0.6	37.7		2.77		TAS					m_e
CLL	145.40		PKPbc	21:57:14.783	0.0	38.4		2.84		TAS					a_e
CLZ	145.99		PKPbc	21:57:17.283	0.2	38.4		2.84		TAS					a_e
CLZ	145.99		pPKPbc	21:57:25.094	-0.2	37.7		2.77		TAS					m_e
FBE	145.55		PKPbc	21:57:15.633	0.3	38.4		2.84		TAS					a_e
FBE	145.55		pPKPbc	21:57:23.514	0.0	37.7		2.77		TAS					m_e
FLT1	145.28		PKPbc	21:57:14.283	0.1	38.4		2.84		TAS					a_e
FLT1	145.28		pPKPbc	21:57:22.068	0.0	37.7		2.77		TAS					m_e
GEC2	146.93		PKPbc	21:57:19.983		38.4		2.84		TAS					a_e
GEC2	146.93		pPKPbc	21:57:27.693		37.7		2.77		TAS					m_e
GRA1	147.37		PKPbc	21:57:21.456		38.4		2.84		TAS					m_e
GTTG	146.38		PKPbc	21:57:18.483	-0.1	38.4		2.84		TAS					a_e
GTTG	146.38		pPKPbc	21:57:26.072	0.1	37.7		2.77		TAS					m_e
GUNZ	146.40		PKPbc	21:57:18.583	-0.6	38.4		2.84		TAS					a_e
GUNZ	146.40		pPKPbc	21:57:26.076		37.7		2.77		TAS					m_e
IBBN	146.50		pPKPbc	21:57:26.073	0.2	37.7		2.77		TAS					m_e
KAST	147.22		PKPbc	21:57:20.833	0.2	38.4		2.84		TAS					a_e
KAST	147.22		pPKPbc	21:57:28.293	0.1	37.7		2.77		TAS					m_e
MANZ	146.78		PKPbc	21:57:19.783		38.4		2.84		TAS					a_e
MOX	146.47		PKPbc	21:57:18.733	0.3	38.4		2.84		TAS					a_e
NEUB	145.98		PKPbc	21:57:17.033	0.3	38.4		2.84		TAS					a_e
NEUB	145.98		pPKPbc	21:57:24.868	0.2	37.7		2.77		TAS					m_e
PLN	146.38		PKPbc	21:57:18.533	0.4	38.4		2.84		TAS					a_e
PLN	146.38		pPKPbc	21:57:25.667		37.7		2.77		TAS					m_e
RJOB	148.15		PKPbc	21:57:23.141		38.4		2.84		TAS					m_e
RJOB	148.15		pPKPbc	21:57:30.507		37.7		2.77		TAS					m_e
ROTZ	146.91		PKPbc	21:57:20.133		38.4		2.84		TAS					a_e
ROTZ	146.91		pPKPbc	21:57:27.464		37.7		2.77		TAS					m_e
TANN	146.31		PKPbc	21:57:18.283	-0.0	38.4		2.84		TAS					m_e
TANN	146.31		pPKPbc	21:57:25.884		37.7		2.77		TAS					m_e
TNS	148.02		PKPbc	21:57:23.133	-0.5	38.4		2.84		TAS					a_e
UBBA	146.96		PKPbc	21:57:20.333	0.4	38.4		2.84		TAS					a_e
UBBA	146.96		pPKPbc	21:57:27.473		37.7		2.77		TAS					m_e
UBR	149.40		PKPbc	21:57:26.413		38.4		2.84		TAS					m_e

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WERD	146.35	PKPbc	21:57:18.183	0.2	38.4	2.84	TAS	a_e
WERD	146.35	pPKPbc	21:57:25.853		37.7	2.77	TAS	m_e
WERN	146.44	PKPbc	21:57:18.733	-0.4	38.4	2.84	TAS	a_e
WET	147.09	PKPbc	21:57:20.533		38.4	2.84	TAS	a_e
WET	147.09	pPKPbc	21:57:28.194		37.7	2.77	TAS	m_e
WLF	149.29	PKPbc	21:57:26.948		38.4	2.84	TAS	m_e

Event 71103001 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/02	23:42:37.09			-20.7630	173.1440				33.0			21		144.91	149.90	m i ke	BGR
71103007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.90		PKPbc	00:02:23.845		32.9		2.82		TAS				m_e	
BRG	145.79		PKPbc	00:02:12.662	0.1	32.9		2.82		TAS				m_e	
CLL	145.78		PKPbc	00:02:11.754	0.6	32.9		2.82		TAS				m_e	
CLZ	146.20		PKPbc	00:02:13.565	0.3	32.9		2.82		TAS				m_e	
FBE	145.97		PKPbc	00:02:12.827	0.3	32.9		2.82		TAS				m_e	
FLT1	145.50		PKPbc	00:02:11.259	-0.1	32.9		2.82		TAS				m_e	
GEC2	147.50		PKPbc	00:02:16.951		32.9		2.82		TAS				m_e	
GOR1	144.91		PKPbc	00:02:10.056	-0.8	32.9		2.82		TAS				m_e	
GRA1	147.75		PKPbc	00:02:17.941		32.9		2.82		TAS				m_e	
GUNZ	146.80		PKPbc	00:02:15.714	0.2	32.9		2.82		TAS				m_e	
IBBN	146.53		PKPbc	00:02:15.494	-0.4	32.9		2.82		TAS				m_e	
MANZ	147.19		PKPbc	00:02:16.612		32.9		2.82		TAS				m_e	
MOX	146.81		PKPbc	00:02:15.582	-0.5	32.9		2.82		TAS				m_e	
NEUB	146.30		PKPbc	00:02:13.939	0.3	32.9		2.82		TAS				m_e	
RETH	145.71		PKPbc	00:02:11.597	0.1	32.9		2.82		TAS				m_e	
ROTZ	147.34		PKPbc	00:02:17.116		32.9		2.82		TAS				m_e	
TNS	148.20		PKPbc	00:02:19.526		32.9		2.82		TAS				m_e	
UBR	149.84		PKPbc	00:02:23.367		32.9		2.82		TAS				m_e	
WERD	146.74		PKPbc	00:02:15.219	-0.1	32.9		2.82		TAS				m_e	
WERN	146.84		PKPbc	00:02:15.714	-0.2	32.9		2.82		TAS				m_e	
WET	147.59		PKPbc	00:02:17.441		32.9		2.82		TAS				m_e	

Event 71103003 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	02:49:04.98			22.9520	121.0340				33.0					84.04	84.72	m i ke	BGR
71103009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	71103009
Ms	4.7		BGR	71103009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.72		P	03:01:35.050		65.7		5.05		TAS		22.4	1.53	m_e	mb 5.2
GRA1	84.72		L	03:43:31.211						T__		291.8	20.30	a_e	Ms 4.7
MOX	84.04		L	03:43:13.897						T__		424.8	19.10	a_e	Ms 4.8

Event 71103004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	03:45:14.10			43.4000	144.0600				45.3	0.5		35		75.28	80.70	m i ke	BGR
OrigID 71103010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	71103010
Ms	4.3		BGR	71103010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.22		P	03:57:14.653	0.0	33.2		5.52		TAS		25.2	1.11	a_e	mb 5.2
ASSE	76.68		P	03:57:00.553	0.3	33.2		5.52		TAS		10.6	1.03	a_e	mb 4.9
BFO	80.70		P	03:57:22.503		33.2		5.52		TAS		47.0	1.62	a_e	mb 5.3
BRG	76.58		P	03:57:00.553	-0.1	33.2		5.52		TAS		12.3	1.04	a_e	mb 5.0
BSEG	75.28		P	03:56:52.853	0.0	33.2		5.52		TAS		35.8	1.00	a_e	mb 5.4
BUG	78.38		P	03:57:09.803	-0.0	33.2		5.52		TAS		26.6	1.02	a_e	mb 5.3
CLL	76.56		P	03:56:59.453	-0.5	33.2		5.52		TAS		39.6	0.97	m_e	mb 5.5
CLZ	77.02		P	03:57:02.853	0.1	33.2		5.52		TAS		42.4	1.14	a_e	mb 5.5
FBE	76.75		P	03:57:01.003	-0.3	33.2		5.52		TAS		22.9	0.92	a_e	mb 5.3
FLT1	76.32		P	03:56:58.053	-0.6	33.2		5.52		TAS		34.2	0.95	a_e	mb 5.5
FLT1	76.32		sP	03:57:16.883	-0.1	32.5		5.57		TAS				m_e	
FUR	79.80		P	03:57:17.903	0.5	33.2		5.52		TAS		34.3	0.92	a_e	mb 5.3
GEC2	78.34		P	03:57:09.603	-0.2	33.2		5.52		TAS		34.5	1.75	a_e	mb 5.2
GOR1	75.74		P	03:56:55.853	0.4	33.2		5.52		TAS		46.6	1.31	a_e	mb 5.5
GRA1	78.54		P	03:57:11.303	0.0	33.2		5.52		TAS		44.1	1.07	a_e	mb 5.4
GRA1	78.54		sP	03:57:29.604		32.5		5.57		TAS				m_e	
GRA1	78.54		L	04:33:25.246						T__		137.5	22.00	a_e	Ms 4.2
GTTG	77.41		P	03:57:04.753	-0.1	33.2		5.52		TAS		24.2	0.95	a_e	mb 5.3
GUNZ	77.58		P	03:57:05.612	0.0	33.2		5.52		TAS		15.2	1.05	m_e	mb 5.1
IBBN	77.48		P	03:57:04.953	0.0	33.2		5.52		TAS		27.3	0.94	a_e	mb 5.4
IBBN	77.48		sP	03:57:23.411		32.5		5.57		TAS				m_e	
KAST	78.21		P	03:57:09.153	0.3	33.2		5.52		TAS		15.6	0.97	a_e	mb 5.1
KAST	78.21		sP	03:57:27.353		32.5		5.57		TAS				m_e	
MANZ	77.97		P	03:57:07.753	0.3	33.2		5.52		TAS		2.7	1.04	a_e	mb 4.3
MOX	77.60		P	03:57:05.621	-0.0	33.2		5.52		TAS		19.0	1.21	m_e	mb 5.1

MOX	77.60	L	04:31:24.618				T__	179.8	21.90	a_e	Ms	4.4
NEUB	77.09	P	03:57:02.603	-0.0	33.2	5.52	TAS	41.2	0.95	a_e	mb	5.5
NEUB	77.09	sP	03:57:20.949		32.5	5.57	TAS			m_e		
NRDL	76.56	P	03:56:59.356	0.0	33.2	5.52	TAS	15.4	1.10	m_e	mb	5.0
PLN	77.54	P	03:57:05.403	-0.1	33.2	5.52	TAS	13.0	1.12	a_e	mb	5.0
PLN	77.54	sP	03:57:23.734		32.5	5.57	TAS			m_e		
RETH	76.60	P	03:57:00.234	0.0	33.2	5.52	TAS	34.8	1.23	m_e	mb	5.4
RJOB	79.59	P	03:57:17.003	-0.1	33.2	5.52	TAS	19.7	0.96	a_e	mb	5.0
ROTZ	78.12	P	03:57:08.903	-0.1	33.2	5.52	TAS	3.9	0.98	a_e	mb	4.5
ROTZ	78.12	sP	03:57:27.418		32.5	5.57	TAS			m_e		
RUE	75.32	P	03:56:52.953	-0.2	33.2	5.52	TAS	78.8	1.31	a_e	mb	5.6
STU	80.03	P	03:57:19.101	-0.6	33.2	5.52	TAS	52.9	0.96	m_e	mb	5.4
STU	80.03	sP	03:57:37.408		32.5	5.57	TAS			m_e		
TNS	79.04	P	03:57:13.653	0.3	33.2	5.52	TAS	15.1	1.09	a_e	mb	4.9
UBBA	78.01	P	03:57:08.003	0.1	33.2	5.52	TAS	49.4	1.90	a_e	mb	5.3
UBR	80.63	P	03:57:21.878		33.2	5.52	TAS	8.1	1.06	m_e	mb	4.7
WERD	77.52	P	03:57:05.153	-0.0	33.2	5.52	TAS	11.7	1.11	a_e	mb	4.9
WERN	77.63	P	03:57:05.903	0.0	33.2	5.52	TAS	17.1	1.08	a_e	mb	5.1
WET	78.39	P	03:57:10.453	0.4	33.2	5.52	TAS	27.2	1.08	a_e	mb	5.3
WLF	80.27	P	03:57:21.018	-0.4	33.2	5.52	TAS	13.6	1.05	m_e	mb	4.8

Event 71103005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	07:09:48.10			-21.7100	169.1400				10.0			27		144.45	149.31	m i ke	EMSC
	71103037																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.37		PKPbc	07:29:25.672	-0.4	40.0		2.96		TAS				m_e	
BFO	149.31		PKPbc	07:29:36.580		40.0		2.96		TAS				m_e	
BRG	145.02		PKPbc	07:29:23.982	-0.4	40.0		2.96		TAS				m_e	
CLL	145.09		PKPbc	07:29:24.264	-0.6	40.0		2.96		TAS				m_e	
CLZ	145.71		PKPbc	07:29:27.222	0.8	40.0		2.96		TAS				m_e	
FBE	145.24		PKPbc	07:29:24.264	0.1	40.0		2.96		TAS				m_e	
FLT1	145.00		PKPbc	07:29:24.123	-0.2	40.0		2.96		TAS				m_e	
GEC2	146.60		PKPbc	07:29:28.490	-0.4	40.0		2.96		TAS				m_e	
GOR1	144.45		PKPbc	07:29:23.053	-0.2	40.0		2.96		TAS				m_e	
GRA1	147.06		PKPbc	07:29:29.899	0.5	40.0		2.96		TAS				m_e	
GTTG	146.10		PKPbc	07:29:28.200	-0.5	40.0		2.96		TAS				m_e	
GUNZ	146.09		PKPbc	07:29:28.772	1.0	40.0		2.96		TAS				m_e	
IBBN	146.24		PKPbc	07:29:28.299	-0.3	40.0		2.96		TAS				m_e	
KAST	146.94		PKPbc	07:29:29.894	0.0	40.0		2.96		TAS				m_e	
MANZ	146.47		PKPbc	07:29:27.974		40.0		2.96		TAS				m_e	
MOX	146.17		PKPbc	07:29:28.071	0.4	40.0		2.96		TAS				m_e	

NEUB	145.68	PKPbc	07:29:25.646	0.6	40.0	2.96	TAS	m_e
NRDL	145.28	PKPbc	07:29:25.672	0.0	40.0	2.96	TAS	m_e
PLN	146.07	PKPbc	07:29:27.137	1.4	40.0	2.96	TAS	m_e
RETH	145.34	PKPbc	07:29:25.532	-0.7	40.0	2.96	TAS	m_e
RJOB	147.81	PKPbc	07:29:31.949	-0.5	40.0	2.96	TAS	m_e
ROTZ	146.59	PKPbc	07:29:29.336	-0.4	40.0	2.96	TAS	m_e
TNS	147.74	PKPbc	07:29:33.128		40.0	2.96	TAS	m_e
UBR	149.08	PKPbc	07:29:36.239		40.0	2.96	TAS	m_e
WERD	146.03	PKPbc	07:29:28.054	-0.2	40.0	2.96	TAS	m_e
WERN	146.13	PKPbc	07:29:28.559	0.3	40.0	2.96	TAS	m_e
WET	146.76	PKPbc	07:29:28.913	-0.6	40.0	2.96	TAS	m_e
WLF	149.02	PKPbc	07:29:37.122		40.0	2.96	TAS	m_e

Event 71103006 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	09:06:26.17			-22.4300	170.4600				33.0			39		145.13	151.54	m i ke	BGR
OrigID 71103012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.07		PKPbc	09:26:10.750	0.8	37.0		2.72		TAS					a_e
ASSE	146.51		PKPbc	09:26:03.050	0.2	37.0		2.72		TAS					a_e
BALST	151.54		PKPbc	09:26:16.561		37.0		2.72		TAS					m_e
BFO	150.48		PKPbc	09:26:13.577	-0.5	37.0		2.72		TAS					m_e
BRG	146.22		PKPbc	09:26:02.500	-0.3	37.0		2.72		TAS					a_e
BSEG	145.13		PKPbc	09:25:58.200	-0.8	37.0		2.72		TAS					a_e
BUG	148.24		PKPbc	09:26:08.050	-0.4	37.0		2.72		TAS					a_e
CLL	146.28		PKPbc	09:26:01.800	-0.2	37.0		2.72		TAS					a_e
CLZ	146.85		PKPbc	09:26:04.400	0.4	37.0		2.72		TAS					m_e
FBE	146.43		PKPbc	09:26:02.700	0.0	37.0		2.72		TAS					a_e
FLT1	146.14		PKPbc	09:26:01.350	-0.2	37.0		2.72		TAS					a_e
FUR	149.41		PKPbc	09:26:11.025	-0.2	37.0		2.72		TAS					m_e
GEC2	147.82		PKPbc	09:26:07.000	0.0	37.0		2.72		TAS					a_e
GOR1	145.58		PKPbc	09:25:59.950	0.1	37.0		2.72		TAS					a_e
GRA1	148.25		PKPbc	09:26:08.500	0.5	37.0		2.72		TAS					a_e
GTTG	147.24		PKPbc	09:26:05.500	0.5	37.0		2.72		TAS					a_e
GUNZ	147.28		PKPbc	09:26:05.650	0.4	37.0		2.72		TAS					a_e
IBBN	147.34		PKPbc	09:26:05.700	0.4	37.0		2.72		TAS					a_e
KAST	148.06		PKPbc	09:26:07.800	0.7	37.0		2.72		TAS					a_e
MANZ	147.66		PKPbc	09:26:07.000	0.0	37.0		2.72		TAS					a_e
MOX	147.34		PKPbc	09:26:05.850	0.5	37.0		2.72		TAS					a_e
NEUB	146.85		PKPbc	09:26:04.100	0.4	37.0		2.72		TAS					a_e
NRDL	146.41		PKPbc	09:26:02.700	-0.1	37.0		2.72		TAS					a_e
PLN	147.25		PKPbc	09:26:05.600	0.1	37.0		2.72		TAS					a_e

PLONS	151.08	PKPbc	09:26:15.175		37.0	2.72	TAS	m_e
RETH	146.45	PKPbc	09:26:02.900	0.3	37.0	2.72	TAS	a_e
RJOB	149.05	PKPbc	09:26:10.022	0.3	37.0	2.72	TAS	m_e
ROTZ	147.79	PKPbc	09:26:07.100	0.3	37.0	2.72	TAS	a_e
SLE	150.88	PKPbc	09:26:14.246	-0.5	37.0	2.72	TAS	m_e
STU	149.79	PKPbc	09:26:12.400	-0.4	37.0	2.72	TAS	a_e
SULZ	151.22	PKPbc	09:26:15.521		37.0	2.72	TAS	m_e
TNS	148.87	PKPbc	09:26:10.250	-0.1	37.0	2.72	TAS	a_e
UBBA	147.82	PKPbc	09:26:07.150	0.4	37.0	2.72	TAS	a_e
UBR	150.28	PKPbc	09:26:13.350	-0.7	37.0	2.72	TAS	a_e
WERD	147.22	PKPbc	09:26:05.300	0.4	37.0	2.72	TAS	a_e
WERN	147.32	PKPbc	09:26:05.850	0.7	37.0	2.72	TAS	a_e
WET	147.97	PKPbc	09:26:07.600	0.6	37.0	2.72	TAS	a_e
WILA	150.99	PKPbc	09:26:14.736	-0.3	37.0	2.72	TAS	m_e
WLF	150.13	PKPbc	09:26:13.900	-0.8	37.0	2.72	TAS	a_e

Event 71103008 Off coast of Jalisco, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	11:52:09.00			18.6700	-106.7200				10.0			29		88.54	94.62	m i ke	EMSC
71103040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	71103014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.95		SP	12:17:09.953	-0.1	303.0		11.38		TAS				a_e	
BFO	91.77		SP	12:17:29.353	-0.9	303.0		11.38		TAS				a_e	
BRG	93.45		SP	12:17:51.103	0.2	303.0		11.38		TAS				a_e	
BSEG	89.90		SP	12:17:11.553	0.6	303.0		11.38		TAS				a_e	
BUG	89.60		SP	12:17:06.303	-0.2	303.0		11.38		TAS				a_e	
CLL	92.71		SP	12:17:41.653	-0.8	303.0		11.38		TAS				m_e	
CLZ	91.05		SP	12:17:24.053	0.7	303.0		11.38		TAS				a_e	
FLT1	91.23		SP	12:17:26.053	0.3	303.0		11.38		TAS				a_e	
FUR	93.53		SP	12:17:50.703	0.1	303.0		11.38		TAS				a_e	
GEC2	94.49		SP	12:18:01.703	-0.3	303.0		11.38		TAS				a_e	
GRA1	92.67		SP	12:17:41.153	-0.1	303.0		11.38		TAS				a_e	
GRA1	92.67		L	12:49:37.155						T__		1037.3	18.40	a_e Ms	5.3
GTTG	90.99		SP	12:17:22.653	0.0	303.0		11.38		TAS				a_e	
HLG	88.54		SP	12:16:54.203	-1.1	303.0		11.38		TAS				a_e	
IBBN	89.43		SP	12:17:06.553	1.8	303.0		11.38		TAS				a_e	
KAST	90.35		SP	12:17:15.653	0.7	303.0		11.38		TAS				a_e	
MANZ	92.98		SP	12:17:44.653	-0.4	303.0		11.38		TAS				a_e	
MOX	92.36		SP	12:17:38.153	0.1	303.0		11.38		TAS				m_e	
MOX	92.36		L	12:44:34.395						T__		1249.6	21.20	a_e Ms	5.3
NEUB	92.14		SP	12:17:35.053	-0.7	303.0		11.38		TAS				a_e	

RETH	90.05	SP	12:17:11.753	-0.4	303.0	11.38	TAS	a_e
RGN	91.03	SP	12:17:25.203	0.8	303.0	11.38	TAS	a_e
RJOB	94.62	SP	12:18:04.103	1.1	303.0	11.38	TAS	a_e
ROTZ	93.16	SP	12:17:47.003	0.0	303.0	11.38	TAS	a_e
RUE	92.44	SP	12:17:38.003	-1.9	303.0	11.38	TAS	a_e
STU	92.03	SP	12:17:33.253	-0.3	303.0	11.38	TAS	a_e
TNS	90.87	SP	12:17:20.753	0.2	303.0	11.38	TAS	a_e
UBBA	91.40	SP	12:17:27.703	0.7	303.0	11.38	TAS	a_e
UBR	93.13	SP	12:17:46.103	0.3	303.0	11.38	TAS	a_e
WET	93.87	SP	12:17:55.503	0.5	303.0	11.38	TAS	a_e
WLF	89.86	SP	12:17:07.853	-0.9	303.0	11.38	TAS	a_e

Event 71103010 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
2017/11/03	12:38:08.62			36.8220	141.3670				33.0					83.24	83.24	m i ke	BGR
OrigID 71103016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	71103016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.24		P	12:50:30.554		43.2		4.53		TAS		7.4	0.74	m_e mb	5.0

Event 71103011 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	12:59:30.68	0.63	0.99	42.9510	18.1780	10.0	7.8	171	10.0				22 296	4.40	9.88	m i ke	BGR
OrigID 71103017																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		BGR	71103017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.69		Sn	13:01:29.483	-1.8					T__				m_e	
ARSA	4.69		Pn	13:00:39.185	-1.1					T__				m_e ML	4.0
BFO	8.75		Sn	13:03:06.782	-0.9					T__				m_e	
BFO	8.75		Pn	13:01:33.565	-2.4					T__				m_e ML	4.6
CKRC	6.46		Pn	13:01:05.289	0.7					T__				m_e ML	4.3
DAVA	7.30		Pn	13:01:17.025	0.9					T__				m_e ML	4.8
GEC2	6.67		Sn	13:02:18.866	0.5					T__				m_e	
GEC2	6.67		Pn	13:01:07.237	-0.2					T__				m_e	
GRA1	8.28		Pn	13:01:28.190	-1.4					T__				m_e ML	4.7

JAVC	5.92	Pn	13:00:58.693	1.5	T__	m_e ML	4.1
KBA	5.36	Sn	13:01:46.752	-0.5	T__	m_e	
KBA	5.36	Pn	13:00:49.480	-0.1	T__	m_e ML	4.4
KRUC	6.24	Pn	13:01:01.771	0.2	T__	m_e ML	4.0
MOA	5.62	Sn	13:01:53.599	0.2	T__	m_e	
MOA	5.62	Pn	13:00:53.240	0.2	T__	m_e ML	4.3
MORC	6.84	Pn	13:01:10.424	0.6	T__	m_e	
MOX	8.91	Pn	13:01:38.385	0.1	T__	m_e ML	4.4
OBKA	4.40	Sn	13:01:23.756	-0.6	T__	m_e	
OBKA	4.40	Pn	13:00:36.826	0.5	T__	m_e ML	4.7
PART	6.75	Sn	13:02:22.578	2.4	T__	m_e	
PART	6.75	Pn	13:01:08.793	0.2	T__	m_e ML	4.4
PSZ	5.11	Sg	13:02:10.651	-0.8	T__	m_e	
PSZ	5.11	Pn	13:00:46.159	0.1	T__	m_e ML	4.3
RJOB	6.11	Sn	13:02:06.833	1.9	T__	m_e	
RJOB	6.11	Pn	13:00:59.717	-0.0	T__	m_e ML	4.4
ROTZ	7.97	Pn	13:01:25.752	0.4	T__	m_e ML	4.3
TNS	9.88	Sn	13:03:34.694	0.1	T__	m_e	
TNS	9.88	Pn	13:01:50.781	-0.8	T__	m_e	
UBR	7.40	Pn	13:01:16.348	-1.1	T__	m_e ML	4.9
VYHS	5.56	Pn	13:00:53.339	1.1	T__	m_e ML	3.6
WET	7.21	Pn	13:01:14.847	-0.0	T__	m_e ML	4.3
WTTA	6.33	Pn	13:01:02.994	0.2	T__	m_e ML	4.8

Event 71103013 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	17:19:15.91			53.6600	-166.0600				33.0			20		72.73	78.98	m i ke	BGR
71103019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	71103019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.01		P	17:31:00.670	-0.2	358.4		5.70		TAS		8.6	0.84	m_e mb	4.9
BFO	78.28		P	17:31:13.047		358.4		5.70		TAS		6.6	1.06	m_e mb	4.7
BSEG	72.73		P	17:30:41.802	-0.7	358.4		5.70		TAS		16.6	1.09	m_e mb	5.1
CLL	75.40		P	17:30:56.608	-0.2	358.4		5.70		TAS		9.7	1.16	m_e mb	4.7
CLZ	74.83		P	17:30:54.278	-0.1	358.4		5.70		TAS		7.5	0.76	m_e mb	4.8
FBE	75.79		P	17:31:00.051	0.0	358.4		5.70		TAS		5.9	0.70	m_e mb	4.8
FLT1	74.36		P	17:30:50.431	0.2	358.4		5.70		TAS		4.8	0.73	m_e mb	4.6
GEC2	77.87		P	17:31:10.938		358.4		5.70		TAS		4.3	0.77	m_e mb	4.6
GRA1	77.00		P	17:31:06.817		358.4		5.70		TAS		13.4	0.98	m_e mb	5.0
GTTG	75.11		P	17:30:55.748	0.0	358.4		5.70		TAS		10.2	0.62	m_e mb	5.0
KAST	75.41		P	17:30:57.041	-0.1	358.4		5.70		TAS		5.0	0.79	m_e mb	4.6
MANZ	76.72		P	17:31:04.338		358.4		5.70		TAS		0.9	0.93	m_e mb	3.9

MOX	76.05	P	17:31:00.786	358.4	5.70	TAS	5.8	0.70	m_e mb	4.8
NRDL	74.17	P	17:30:49.772	-0.4 358.4	5.70	TAS	10.0	0.87	m_e mb	4.9
RJOB	78.98	P	17:31:17.225	358.4	5.70	TAS	5.7	0.80	m_e mb	4.7
ROTZ	76.94	P	17:31:05.754	358.4	5.70	TAS	0.9	0.82	m_e mb	3.9
TNS	76.39	P	17:31:02.708	358.4	5.70	TAS	5.6	0.85	m_e mb	4.7
WERD	76.26	P	17:31:01.834	358.4	5.70	TAS	9.4	1.52	m_e mb	4.7
WERN	76.42	P	17:31:02.959	358.4	5.70	TAS	7.7	1.05	m_e mb	4.8
WET	77.57	P	17:31:09.427	358.4	5.70	TAS	6.6	1.18	m_e mb	4.6

Event 71103020 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/03	23:34:46.15			22.6270	121.3410				33.0					85.15	85.15	m i ke	BGR
OrigID 71103026																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71103026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.15		P	23:47:18.394		64.2		4.75		TAS		7.8	1.01	m_e mb	4.9

Event 71108001 Myanmar-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/08	04:50:35.22			21.0890	92.2100				33.0				10	66.61	71.72	m i ke	BGR
OrigID 71108007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71108007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	66.61		P	05:01:21.881	-0.1	82.5		6.26		TAS		4.9	0.72	m_e mb	4.8
BSEG	68.51		P	05:01:33.580	0.1	82.5		6.26		TAS		14.5	0.81	m_e mb	5.3
CLZ	68.73		P	05:01:35.311	-0.3	82.5		6.26		TAS		10.9	0.80	m_e mb	5.1
FBE	66.97		P	05:01:24.274	-0.0	82.5		6.26		TAS		7.5	0.78	m_e mb	5.0
FLT1	68.14		P	05:01:31.051		82.5		6.26		TAS		12.2	1.17	m_e mb	5.0
GEC2	66.96		P	05:01:24.369		82.5		6.26		TAS		5.4	0.82	m_e mb	4.8
GRA1	68.47		P	05:01:33.741		82.5		6.26		TAS		7.6	0.82	m_e mb	5.0
GUNZ	67.68		P	05:01:28.841		82.5		6.26		TAS		5.6	0.81	m_e mb	4.8
IBBN	70.26		P	05:01:44.563		82.5		6.26		TAS		13.0	0.86	m_e mb	5.1
MOX	68.10		P	05:01:30.937		82.5		6.26		TAS		3.4	0.74	m_e mb	4.7
NRDL	68.81		P	05:01:35.615		82.5		6.26		TAS		14.7	0.91	m_e mb	5.2
ROTZ	67.83		P	05:01:29.778		82.5		6.26		TAS		1.4	0.77	m_e mb	4.3

TANN	67.59	P	05:01:28.344	0.1	82.5	6.26	TAS	2.5	0.77	m_e	mb	4.5
WERD	67.68	P	05:01:28.603	-0.1	82.5	6.26	TAS	5.0	0.74	m_e	mb	4.8
WERN	67.66	P	05:01:28.629		82.5	6.26	TAS	2.7	0.75	m_e	mb	4.6
WET	67.46	P	05:01:27.461		82.5	6.26	TAS	2.8	0.75	m_e	mb	4.6
WLF	71.72	P	05:01:54.365		82.5	6.26	TAS	12.0	1.00	m_e	mb	5.0

Event 71108002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/08	07:34:03.96			-23.3100	-177.1600				623.0	2.5		32		148.90	155.00	m i ke	BGR
71108008																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.62		PKPbc	07:53:57.108	0.0	13.7		2.25		TAS				m_e	
ASSE	150.61		PKPbc	07:53:52.661	-0.5	13.7		2.25		TAS				m_e	
ASSE	150.61		pPKPbc	07:56:14.612	-0.5					T__				m_e	
BFO	154.65		PKPbc	07:54:01.793	0.1	13.7		2.25		TAS				m_e	
BRG	151.16		PKPbc	07:53:54.157	0.5	13.7		2.25		TAS				m_e	
BSEG	148.90		PKPbc	07:53:48.361	-0.3	13.7		2.25		TAS				m_e	
BUG	151.71		PKPbc	07:53:55.140	0.1	13.7		2.25		TAS				m_e	
CLL	150.96		PKPbc	07:53:53.466	-0.0	13.7		2.25		TAS				m_e	
CLL	150.96		pPKPbc	07:56:15.420	-0.5					T__				m_e	
CLZ	150.93		PKPbc	07:53:53.423	0.2	13.7		2.25		TAS				m_e	
FBE	151.25		PKPbc	07:53:54.283	0.1	13.7		2.25		TAS				m_e	
FLT1	150.32		PKPbc	07:53:52.001	0.1	13.7		2.25		TAS				m_e	
FLT1	150.32		pPKPbc	07:56:14.013	-0.5					T__				m_e	
FUR	154.31		PKPbc	07:54:01.057	-0.3	13.7		2.25		TAS				m_e	
GEC2	153.10		PKPbc	07:53:58.114	0.2	13.7		2.25		TAS				m_e	
GRA1	152.86		PKPbc	07:53:57.655	0.3	13.7		2.25		TAS				m_e	
GTTG	151.28		PKPbc	07:53:54.262	0.2	13.7		2.25		TAS				m_e	
GUNZ	152.00		PKPbc	07:53:56.128	0.3	13.7		2.25		TAS				m_e	
HLG	148.94		PKPbc	07:53:48.579	-0.2	13.7		2.25		TAS				m_e	
HLG	148.94		pPKPbc	07:56:11.248	-0.5					T__				m_e	
IBBN	150.81		PKPbc	07:53:52.907	-0.1	13.7		2.25		TAS				m_e	
KAST	151.82		PKPbc	07:53:55.373	0.1	13.7		2.25		TAS				m_e	
MANZ	152.40		PKPbc	07:53:56.786	0.1	13.7		2.25		TAS				m_e	
MOX	151.87		PKPbc	07:53:55.560	0.1	13.7		2.25		TAS				m_e	
NEUB	151.32		PKPbc	07:53:54.290	0.1	13.7		2.25		TAS				m_e	
NRDL	150.34		PKPbc	07:53:51.916	0.0	13.7		2.25		TAS				m_e	
NRDL	150.34		pPKPbc	07:56:14.264	-0.5					T__				m_e	
RJOB	154.36		PKPbc	07:54:01.082	-0.5	13.7		2.25		TAS				m_e	
ROTZ	152.59		PKPbc	07:53:57.210	0.1	13.7		2.25		TAS				m_e	
RUE	149.70		PKPbc	07:53:50.436	-0.2	13.7		2.25		TAS				m_e	
TANN	151.92		PKPbc	07:53:55.663	0.0	13.7		2.25		TAS				m_e	

UBBA	151.98	PKPbc	07:53:55.449	-0.3	13.7	2.25	TAS	m_e
UBR	155.00	PKPbc	07:54:01.996		13.7	2.25	TAS	m_e
WERD	151.92	PKPbc	07:53:55.908	0.3	13.7	2.25	TAS	m_e
WERN	152.06	PKPbc	07:53:55.815	-0.1	13.7	2.25	TAS	m_e
WET	153.03	PKPbc	07:53:58.522	-0.5	13.7	2.25	TAS	m_e
WLF	153.57	PKPbc	07:53:59.344	-0.0	13.7	2.25	TAS	m_e

Event 71108003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/08	07:54:45.82			-20.7090	170.3390				33.0		20		143.49	148.87	m i ke	BGR
71108009																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.43		PKPbc	08:14:26.204	-0.6	37.3		2.97		TAS					m_e
ASSE	144.88		PKPbc	08:14:18.167	0.3	37.3		2.97		TAS					m_e
BFO	148.87		PKPbc	08:14:29.277	-0.6	37.3		2.97		TAS					m_e
BRG	144.64		PKPbc	08:14:17.370	0.1	37.3		2.97		TAS					m_e
BSEG	143.49		PKPbc	08:14:14.097	-0.6	37.3		2.97		TAS					m_e
BUG	146.59		PKPbc	08:14:23.814	0.1	37.3		2.97		TAS					m_e
CLL	144.68		PKPbc	08:14:17.341	0.0	37.3		2.97		TAS					m_e
CLZ	145.22		PKPbc	08:14:19.030	-0.3	37.3		2.97		TAS					m_e
FBE	144.84		PKPbc	08:14:18.123	-0.0	37.3		2.97		TAS					m_e
FLT1	144.52		PKPbc	08:14:16.993	0.4	37.3		2.97		TAS					m_e
GEC2	146.27		PKPbc	08:14:22.401		37.3		2.97		TAS					m_e
GRA1	146.65		PKPbc	08:14:23.512		37.3		2.97		TAS					m_e
GTTG	145.61		PKPbc	08:14:20.581	0.1	37.3		2.97		TAS					m_e
GUNZ	145.68		PKPbc	08:14:20.781		37.3		2.97		TAS					m_e
IBBN	145.68		PKPbc	08:14:20.885	-0.3	37.3		2.97		TAS					m_e
KAST	146.42		PKPbc	08:14:23.121	0.4	37.3		2.97		TAS					m_e
MANZ	146.07		PKPbc	08:14:21.904		37.3		2.97		TAS					m_e
MOX	145.74		PKPbc	08:14:20.600	0.1	37.3		2.97		TAS					m_e
NEUB	145.24		PKPbc	08:14:19.429	-0.2	37.3		2.97		TAS					m_e
NRDL	144.77		PKPbc	08:14:17.982	-0.3	37.3		2.97		TAS					m_e
RJOB	147.50		PKPbc	08:14:25.206		37.3		2.97		TAS					m_e
ROTZ	146.20		PKPbc	08:14:22.078		37.3		2.97		TAS					m_e
STU	148.18		PKPbc	08:14:27.790	-0.6	37.3		2.97		TAS					m_e
TANN	145.59		PKPbc	08:14:20.470	-0.2	37.3		2.97		TAS					m_e
TNS	147.25		PKPbc	08:14:25.409		37.3		2.97		TAS					m_e
UBBA	146.20		PKPbc	08:14:22.324	0.1	37.3		2.97		TAS					m_e
UBR	148.70		PKPbc	08:14:28.616	-0.6	37.3		2.97		TAS					m_e
WERD	145.63		PKPbc	08:14:20.426	0.3	37.3		2.97		TAS					m_e
WERN	145.72		PKPbc	08:14:20.821	-1.0	37.3		2.97		TAS					m_e
WET	146.40		PKPbc	08:14:22.556		37.3		2.97		TAS					m_e

WLF 148.49 PKPbc 08:14:29.394 37.3 2.97 TAS m_e

Event 71108007 Southeast of Loyalty Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/08 20:07:11.24 -21.6120 172.5990 33.0 14 146.12 150.51 m i ke BGR
71108013

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 71108007.

Event 71108008 Marshall Islands region

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

2017/11/08 23:22:01.12 9.3560 169.6140 33.0 118.23 118.23 m i ke BGR
71108014

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 118.23 PKPdf 23:40:44.679 32.0 1.45 TAS m_e

Event 71109001 Fox Islands, Aleutian Islands, United States

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/09 00:01:51.40 53.8900 -171.3400 49.5 0.4 28 73.92 78.80 m i ke BGR
71109007

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 71109007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
AHRW 75.93 P 00:13:35.460 -0.1 2.3 5.32 TAS 5.9 0.89 m_e mb 4.7
AHRW 75.93 pP 00:13:49.884 3.5 T__ m_e
ASSE 74.34 P 00:13:25.889 3.5 2.3 5.32 TAS m_e
BFO 78.16 P 00:13:47.703 2.3 5.32 TAS 3.7 0.88 m_e mb 4.5
BRG 75.52 P 00:13:32.999 -0.1 2.3 5.32 TAS 4.7 0.85 m_e mb 4.6
BUG 75.04 P 00:13:29.999 0.1 2.3 5.32 TAS 5.6 0.68 m_e mb 4.7
CLL 75.11 P 00:13:30.126 0.2 2.3 5.32 TAS 4.9 0.88 m_e mb 4.5
CLZ 74.63 P 00:13:27.570 -0.9 2.3 5.32 TAS 7.2 0.82 m_e mb 4.7
FBE 75.49 P 00:13:32.765 -0.1 2.3 5.32 TAS 5.8 0.93 m_e mb 4.6
FBE 75.49 pP 00:13:46.955 3.5 T__ m_e
FLT1 74.13 P 00:13:24.812 -0.3 2.3 5.32 TAS 4.6 0.85 m_e mb 4.5
GEC2 77.55 P 00:13:44.316 2.3 5.32 TAS 3.2 0.87 m_e mb 4.5
GRA1 76.77 P 00:13:40.345 0.8 2.3 5.32 TAS 9.0 0.80 m_e mb 4.9
GTTG 74.93 P 00:13:29.486 3.5 2.3 5.32 TAS m_e
GUNZ 76.07 P 00:13:35.982 0.3 2.3 5.32 TAS 2.3 0.76 m_e mb 4.4
IBBN 74.17 P 00:13:25.162 -1.1 2.3 5.32 TAS 11.9 0.84 m_e mb 5.0
KAST 75.28 P 00:13:31.814 -0.9 2.3 5.32 TAS 4.0 0.89 m_e mb 4.4
MANZ 76.46 P 00:13:38.593 0.3 2.3 5.32 TAS 0.7 0.76 m_e mb 3.9
MOX 75.81 P 00:13:34.506 0.1 2.3 5.32 TAS 5.6 0.77 m_e mb 4.8
NEUB 75.26 P 00:13:31.235 -0.6 2.3 5.32 TAS 10.9 0.85 m_e mb 4.9
NRDL 73.98 P 00:13:24.133 3.5 2.3 5.32 TAS 3.2 0.92 m_e mb 4.3
RJOB 78.69 P 00:13:50.510 2.3 5.32 TAS 4.7 0.84 m_e mb 4.6
ROTZ 76.67 P 00:13:39.761 -0.3 2.3 5.32 TAS 0.6 0.77 m_e mb 3.8
RUE 73.92 P 00:13:23.877 -1.1 2.3 5.32 TAS 18.9 1.06 m_e mb 5.1
TANN 76.02 P 00:13:35.849 0.3 2.3 5.32 TAS 2.3 0.96 m_e mb 4.3
TNS 76.26 P 00:13:37.250 0.5 2.3 5.32 TAS 4.8 0.78 m_e mb 4.7
UBR 78.80 P 00:13:51.084 2.3 5.32 TAS m_e
WERD 75.99 P 00:13:35.674 -0.1 2.3 5.32 TAS 1.4 0.75 m_e mb 4.2

WERN	76.15	P	00:13:36.491	0.4	2.3	5.32	TAS	5.2	0.84	m_e	mb	4.7
WET	77.28	P	00:13:43.090	0.6	2.3	5.32	TAS	4.5	1.12	m_e	mb	4.5

Event 71109002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/09	01:38:28.86			-22.1760	173.4030				33.0			11		146.91	151.30	m i ke	BGR
OrigID 71109008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.26		PKPbc	01:58:08.089	0.1	33.5		2.66		TAS					m_e
BFO	151.30		PKPbc	01:58:19.333	0.1	33.5		2.66		TAS					m_e
BRG	147.17		PKPbc	01:58:08.459	0.0	33.5		2.66		TAS					m_e
CLL	147.17		PKPbc	01:58:07.692	0.1	33.5		2.66		TAS					m_e
CLZ	147.60		PKPbc	01:58:09.269	0.1	33.5		2.66		TAS					m_e
FBE	147.35		PKPbc	01:58:08.414	-0.4	33.5		2.66		TAS					m_e
FLT1	146.91		PKPbc	01:58:07.123	-0.1	33.5		2.66		TAS					m_e
GEC2	148.87		PKPbc	01:58:12.438		33.5		2.66		TAS					m_e
GRA1	149.14		PKPbc	01:58:13.534	0.1	33.5		2.66		TAS					m_e
GUNZ	148.19		PKPbc	01:58:11.130		33.5		2.66		TAS					m_e
IBBN	147.95		PKPbc	01:58:10.487	0.1	33.5		2.66		TAS					m_e
MANZ	148.58		PKPbc	01:58:12.133	0.1	33.5		2.66		TAS					m_e
MOX	148.21		PKPbc	01:58:11.085		33.5		2.66		TAS					m_e
NEUB	147.69		PKPbc	01:58:09.518	0.1	33.5		2.66		TAS					m_e
NRDL	147.12		PKPbc	01:58:08.058	-0.0	33.5		2.66		TAS					m_e
RJOB	150.12		PKPbc	01:58:16.627	0.1	33.5		2.66		TAS					m_e
ROTZ	148.72		PKPbc	01:58:12.567	0.1	33.5		2.66		TAS					m_e
TANN	148.10		PKPbc	01:58:10.551		33.5		2.66		TAS					m_e
TNS	149.61		PKPbc	01:58:15.186		33.5		2.66		TAS					m_e
UBBA	148.60		PKPbc	01:58:12.122		33.5		2.66		TAS					m_e
UBR	151.23		PKPbc	01:58:18.921		33.5		2.66		TAS					m_e
WERD	148.12		PKPbc	01:58:10.551		33.5		2.66		TAS					m_e
WERN	148.23		PKPbc	01:58:10.863		33.5		2.66		TAS					m_e
WET	148.97		PKPbc	01:58:13.025	0.1	33.5		2.66		TAS					m_e

Event 71109003 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/09	03:20:02.48			38.3120	88.2000				33.0					54.23	54.23	m i ke	BGR
OrigID 71109009																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 71109009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 54.23 P 03:29:24.019 77.5 6.60 TAS 10.2 0.91 m_e mb 4.8

Event 71109004 North Pacific Ocean

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2017/11/09 07:42:03.95 31.8100 144.8900 21.2 2.3 29 85.84 91.25 m i ke BGR
 71109010

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 71109010
 Ms 5.9 BGR 71109010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.92		P	07:55:00.490	-0.3	38.5		4.68		TAS		6.6	0.79	m_e mb	4.9
ASSE	87.31		P	07:54:47.577	0.3	38.5		4.68		TAS				m_e	
BFO	91.25		P	07:55:06.433		38.5		4.68		TAS		5.3	0.79	m_e mb	4.9
BRG	87.00		P	07:54:46.649		38.5		4.68		TAS		19.4	0.84	m_e mb	5.3
BSEG	86.00		P	07:54:41.854	0.3	38.5		4.68		TAS		23.9	0.99	m_e mb	5.3
BUG	89.11		P	07:54:56.133	0.3	38.5		4.68		TAS				m_e	
CLL	87.05		P	07:54:46.279	-0.3	38.5		4.68		TAS		46.1	0.86	m_e mb	5.6
CLZ	87.65		P	07:54:49.338	0.3	38.5		4.68		TAS				m_e	
FBE	87.20		P	07:54:47.697		38.5		4.68		TAS		44.2	0.95	m_e mb	5.6
FLT1	86.93		P	07:54:45.923	0.1	38.5		4.68		TAS		31.8	0.86	m_e mb	5.5
GEC2	88.66		P	07:54:53.868		38.5		4.68		TAS				m_e	
GRA1	89.02		P	07:54:55.924		38.5		4.68		TAS				m_e	
GRA1	89.02		L	08:42:48.863						T__		4276.0	18.20	a_e Ms	5.9
GTTG	88.04		P	07:54:50.927	0.3	38.5		4.68		TAS		25.5	0.91	m_e mb	5.5
GTTG	88.04		pP	07:54:57.783	-0.3					T__				m_e	
GUNZ	88.05		P	07:54:51.488		38.5		4.68		TAS		16.2	0.98	m_e mb	5.3
IBBN	88.23		P	07:54:52.437		38.5		4.68		TAS		39.5	0.82	m_e mb	5.8
KAST	88.89		P	07:54:55.431	0.3	38.5		4.68		TAS		13.0	0.89	m_e mb	5.2
KAST	88.89		pP	07:55:01.965	-0.3					T__				m_e	
MANZ	88.43		P	07:54:53.186		38.5		4.68		TAS		2.5	0.85	m_e mb	4.6
MOX	88.11		P	07:54:51.949	-0.3	38.5		4.68		TAS				m_e	
MOX	88.11		pP	07:54:57.595	-0.3					T__				m_e	
MOX	88.11		L	08:37:52.138						T__		5022.1	18.30	a_e Ms	6.0
NEUB	87.62		P	07:54:49.740	-0.3	38.5		4.68		TAS		41.1	0.92	m_e mb	5.8
NEUB	87.62		pP	07:54:55.709	-0.3					T__				m_e	
NRDL	87.23		P	07:54:47.476	0.3	38.5		4.68		TAS		7.8	0.87	m_e mb	4.9
RJOB	89.90		P	07:55:00.322		38.5		4.68		TAS				m_e	
ROTZ	88.56		P	07:54:53.876		38.5		4.68		TAS				m_e	
RUE	85.84		P	07:54:40.946		38.5		4.68		TAS		46.9	0.96	m_e mb	5.6

TNS	145.76	PKPbc	20:06:08.684	-0.1	7.6	3.06	TAS	m_e
UBR	148.22	PKPbc	20:06:16.146		7.6	3.06	TAS	m_e
WERD	145.28	PKPbc	20:06:06.825	0.1	7.6	3.06	TAS	m_e
WERN	145.43	PKPbc	20:06:07.550	0.1	7.6	3.06	TAS	m_e
WET	146.50	PKPbc	20:06:10.626	-0.4	7.6	3.06	TAS	m_e
WLF	146.34	PKPbc	20:06:11.319	0.5	7.6	3.06	TAS	m_e

Event 71110002 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/10	03:03:37.50			32.9500	100.9930				16.9	1.0		9		63.05	66.54	m i ke	BGR
71110008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	71110008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	63.50		P	03:14:03.682	-0.3	67.4		6.48		TAS		3.7	0.75	m_e mb	4.6
BSEG	64.49		P	03:14:09.575	0.2	67.4		6.48		TAS		11.9	0.85	m_e mb	5.1
CLZ	65.23		P	03:14:14.328	-0.7	67.4		6.48		TAS		8.9	0.81	m_e mb	5.0
CLZ	65.23		pP	03:14:19.344	0.2					T__				m_e	
FUR	66.12		P	03:14:20.609		67.4		6.48		TAS		12.0	0.87	m_e mb	5.1
GEC2	64.36		P	03:14:09.343		67.4		6.48		TAS		3.8	1.06	m_e mb	4.6
GEC2	64.36		pP	03:14:13.963	0.2					T__				m_e	
GUNZ	64.64		P	03:14:10.996	0.5	67.4		6.48		TAS		3.7	0.79	m_e mb	4.7
IBBN	66.54		P	03:14:22.114	-0.7	67.4		6.48		TAS		7.3	0.74	m_e mb	5.0
NRDL	65.14		P	03:14:13.977	0.1	67.4		6.48		TAS		7.1	0.89	m_e mb	4.9
RJOB	65.34		P	03:14:15.549		67.4		6.48		TAS		1.5	0.81	m_e mb	4.3
ROTZ	64.94		P	03:14:13.020		67.4		6.48		TAS		1.1	0.81	m_e mb	4.1
ROTZ	64.94		pP	03:14:17.623	0.2					T__				m_e	
RUE	63.05		P	03:14:00.642	-0.7	67.4		6.48		TAS				m_e	
TANN	64.54		P	03:14:10.135	0.2	67.4		6.48		TAS				m_e	
TANN	64.54		pP	03:14:14.856	0.2					T__				m_e	
WERD	64.62		P	03:14:10.465	-0.1	67.4		6.48		TAS		2.6	0.87	m_e mb	4.5
WET	64.76		P	03:14:11.778		67.4		6.48		TAS		1.2	0.83	m_e mb	4.2

Event 71110003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/10	09:03:21.88			-21.5300	169.5900				20.3			30		145.00	149.33	m i ke	BGR
71110009																	

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	147.95		PKPbc	09:23:03.662	0.2	37.9		2.95		TAS				m_e	
ASSE	145.37		PKPbc	09:22:55.494	-0.3	37.9		2.95		TAS				m_e	
BFO	149.33		PKPbc	09:23:06.875	-0.5	37.9		2.95		TAS				m_e	
BRG	145.06		PKPbc	09:22:55.049	0.2	37.9		2.95		TAS				m_e	
BUG	147.12		PKPbc	09:23:01.159	0.1	37.9		2.95		TAS				m_e	
CLL	145.12		PKPbc	09:22:54.905	-0.1	37.9		2.95		TAS				m_e	
CLZ	145.71		PKPbc	09:22:56.598	-0.2	37.9		2.95		TAS				m_e	
FBE	145.27		PKPbc	09:22:55.574	0.1	37.9		2.95		TAS				m_e	
FLT1	145.00		PKPbc	09:22:54.142	-0.5	37.9		2.95		TAS				m_e	
GEC2	146.65		PKPbc	09:22:59.871	0.1	37.9		2.95		TAS				m_e	
GRA1	147.09		PKPbc	09:23:01.165	0.3	37.9		2.95		TAS				m_e	
GTTG	146.10		PKPbc	09:22:57.987	0.1	37.9		2.95		TAS				m_e	
GUNZ	146.12		PKPbc	09:22:58.162	0.2	37.9		2.95		TAS				m_e	
IBBN	146.22		PKPbc	09:22:58.186	-0.3	37.9		2.95		TAS				m_e	
KAST	146.93		PKPbc	09:23:00.474	0.1	37.9		2.95		TAS				m_e	
MANZ	146.50		PKPbc	09:22:59.086	0.0	37.9		2.95		TAS				m_e	
MOX	146.19		PKPbc	09:22:58.346	0.2	37.9		2.95		TAS				m_e	
NEUB	145.70		PKPbc	09:22:56.662	-0.0	37.9		2.95		TAS				m_e	
NRDL	145.27		PKPbc	09:22:55.171	-0.3	37.9		2.95		TAS				m_e	
RJOB	147.87		PKPbc	09:23:02.778	-0.6	37.9		2.95		TAS				m_e	
ROTZ	146.62		PKPbc	09:22:59.553	0.1	37.9		2.95		TAS				m_e	
STU	148.63		PKPbc	09:23:05.472	0.1	37.9		2.95		TAS				m_e	
TANN	146.02		PKPbc	09:22:57.977	0.3	37.9		2.95		TAS				m_e	
TNS	147.74		PKPbc	09:23:03.208	0.5	37.9		2.95		TAS				m_e	
UBBA	146.68		PKPbc	09:22:59.480	-0.1	37.9		2.95		TAS				m_e	
UBR	149.12		PKPbc	09:23:06.440	-0.4	37.9		2.95		TAS				m_e	
UBR	149.12		pPKPbc	09:23:12.543	-0.0					T__				m_e	
WERD	146.06		PKPbc	09:22:57.792	0.0	37.9		2.95		TAS				m_e	
WERN	146.16		PKPbc	09:22:58.200	0.1	37.9		2.95		TAS				m_e	
WET	146.80		PKPbc	09:23:00.375	0.3	37.9		2.95		TAS				m_e	
WLF	149.01		PKPbc	09:23:06.976	0.4	37.9		2.95		TAS				m_e	

Event 71110004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/10	11:19:08.25	0.36	0.60	51.4780	16.1210	4.4	2.2	12	1.0			17	199	0.65	3.60	m i ki	BGR
71110010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.50		Sg	11:19:56.964	1.1					T__				m_e	
BRG	1.50		Pn	11:19:35.243	-0.2					T__				m_e	ML 3.8
CLL	1.96		Sg	11:20:09.789	-0.7					T__				m_e	

CLL	1.96	Pn	11:19:40.600	-1.1	T__	m_e		
CLZ	3.60	Pn	11:20:04.292	0.6	T__	m_e		
DPC	1.14	Pg	11:19:29.543	-0.1	T__	m_e ML	4.2	
FBE	1.83	Sg	11:20:06.133	-0.1	T__	m_e		
FBE	1.83	Pn	11:19:39.971	0.1	T__	m_e ML	3.6	
GEC2	3.06	Sg	11:20:44.582	-0.8	T__	m_e		
GEC2	3.06	Pn	11:19:57.044	0.6	T__	m_e		
GRA1	3.60	Pn	11:20:04.526	0.8	T__	m_e		
KSP	0.65	Sg	11:19:29.715	0.9	T__	m_e		
KSP	0.65	Pg	11:19:20.700	0.3	T__	m_e ML	3.0	
MANZ	2.95	Pn	11:19:55.771	0.7	T__	m_e ML	4.0	
MORC	1.93	Sg	11:20:08.729	-0.8	T__	m_e		
MORC	1.93	Pn	11:19:41.101	-0.1	T__	m_e ML	4.0	
MOX	2.96	Pn	11:19:54.920	-0.2	T__	m_e ML	4.2	
MOX	2.96	Pg	11:20:03.466	-0.6	T__	m_e		
OJC	2.65	Sg	11:20:33.064	0.7	T__	m_e		
OJC	2.65	Pn	11:19:49.410	-1.5	T__	m_e		
OJC	2.65	Pg	11:19:58.065	-0.1	T__	m_e		
OKC	2.09	Pn	11:19:43.256	-0.1	T__	m_e		
ROTZ	3.02	Pn	11:19:56.183	0.2	T__	m_e		
TANN	2.55	Sg	11:20:29.165	0.0	T__	m_e		
TANN	2.55	Pn	11:19:49.847	0.3	T__	m_e ML	4.1	
TANN	2.55	Pg	11:19:56.403	0.2	T__	m_e		
WERD	2.62	Sg	11:20:31.248	-0.3	T__	m_e		
WERD	2.62	Pn	11:19:50.637	0.1	T__	m_e ML	3.9	
WERD	2.62	Pg	11:19:58.088	0.4	T__	m_e		
WET	3.13	Sg	11:20:46.839	-0.7	T__	m_e		
WET	3.13	Pn	11:19:57.766	0.4	T__	m_e		

Event 71110006 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
2017/11/10	16:38:16.64			38.1490	142.3830				85.0	2.1		15		79.41	84.71	m i ke	BGR
71110012																	

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 71110012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.71		P	16:50:46.216		36.7		5.23		TAS		9.3	0.78	m_e mb	5.1
BRG	80.48		P	16:50:23.799	0.1	36.7		5.23		TAS		6.4	0.86	m_e mb	4.6
BRG	80.48		pP	16:50:46.788	0.4					T__				m_e	
BSEG	79.41		P	16:50:17.933	0.3	36.7		5.23		TAS		12.2	0.77	m_e mb	5.0
CLL	80.51		P	16:50:23.685	-0.3	36.7		5.23		TAS		13.9	0.76	m_e mb	5.1
CLZ	81.08		P	16:50:26.860	0.4	36.7		5.23		TAS		11.2	0.76	m_e mb	5.0
CLZ	81.08		pP	16:50:49.620	0.4					T__				m_e	

FBE	80.68	P	16:50:24.763	0.4	36.7	5.23	TAS	11.0	0.77	m_e	mb	5.0
FLT1	80.37	P	16:50:23.082	0.4	36.7	5.23	TAS	13.8	0.74	m_e	mb	5.0
FUR	83.69	P	16:50:41.056		36.7	5.23	TAS	28.5	0.97	m_e	mb	5.5
GEC2	82.17	P	16:50:32.514		36.7	5.23	TAS	6.0	0.99	m_e	mb	4.7
GEC2	82.17	pP	16:50:55.215	0.4			T__			m_e		
GRA1	82.49	P	16:50:34.635		36.7	5.23	TAS	12.9	0.82	m_e	mb	5.1
GRA1	82.49	pP	16:50:56.994	0.4			T__			m_e		
GTTG	81.47	P	16:50:28.730	0.4	36.7	5.23	TAS	11.2	0.85	m_e	mb	4.9
GUNZ	81.52	P	16:50:29.533	0.1	36.7	5.23	TAS	5.3	0.82	m_e	mb	4.7
IBBN	81.64	P	16:50:29.660	0.4	36.7	5.23	TAS	17.5	0.69	m_e	mb	5.3
MANZ	81.91	P	16:50:31.597	0.4	36.7	5.23	TAS	1.3	0.84	m_e	mb	4.1
MANZ	81.91	pP	16:50:53.692	0.4			T__			m_e		
MOX	81.57	P	16:50:29.630	-0.3	36.7	5.23	TAS	4.6	0.74	m_e	mb	4.7
NEUB	81.07	P	16:50:26.627	0.4	36.7	5.23	TAS	17.9	0.82	m_e	mb	5.1
RJOB	83.41	P	16:50:39.795		36.7	5.23	TAS	11.0	0.83	m_e	mb	5.1
ROTZ	82.04	P	16:50:32.228		36.7	5.23	TAS	0.9	0.73	m_e	mb	4.0
STU	84.01	P	16:50:42.031		36.7	5.23	TAS	35.5	0.68	m_e	mb	5.7
UBBA	82.04	P	16:50:31.805	-0.3	36.7	5.23	TAS	2.7	0.68	m_e	mb	4.5
WERD	81.46	P	16:50:28.845	-0.5	36.7	5.23	TAS	3.6	0.84	m_e	mb	4.4
WERN	81.56	P	16:50:29.546	0.2	36.7	5.23	TAS	6.6	0.88	m_e	mb	4.8
WET	82.27	P	16:50:33.546		36.7	5.23	TAS	6.2	0.98	m_e	mb	4.7
WET	82.27	pP	16:50:55.676	0.4			T__			m_e		

Event 71110007 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/10	18:55:23.89			-19.6700	171.2040				33.0				3	146.04	146.04	m i ke	BGR
71110013																	

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	19:14:59.752		42.9		2.70		TAS				m_e	

Event 71110008 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/10	20:52:46.76			34.1970	81.5650				33.0					52.66	52.66	m i ke	BGR
71110014																	

Magnitude Err Nsta Author OrigID

mb	4.8		BGR	71110014
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	52.66		P	21:01:57.014		85.6		6.71		TAS		10.8	0.86	m_e	mb 4.8

Event 71111001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/11	00:27:11.56			-20.3630	169.8410				33.0			11		144.02	148.37	m i ke	BGR
OrigID 71111007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.39		PKPbc	00:46:42.691		37.8		3.05		TAS				m_e	
BFO	148.37		PKPbc	00:46:54.240		37.8		3.05		TAS				m_e	
BRG	144.12		PKPbc	00:46:41.958		37.8		3.05		TAS				m_e	
BUG	146.11		PKPbc	00:46:48.121		37.8		3.05		TAS				m_e	
CLL	144.17		PKPbc	00:46:41.787	0.1	37.8		3.05		TAS				m_e	
CLZ	144.73		PKPbc	00:46:43.449		37.8		3.05		TAS				m_e	
FBE	144.33		PKPbc	00:46:42.621		37.8		3.05		TAS				m_e	
FLT1	144.02		PKPbc	00:46:41.257	-0.2	37.8		3.05		TAS				m_e	
GEC2	145.75		PKPbc	00:46:46.313		37.8		3.05		TAS				m_e	
GRA1	146.14		PKPbc	00:46:47.730		37.8		3.05		TAS				m_e	
GTTG	145.12		PKPbc	00:46:44.926		37.8		3.05		TAS				m_e	
GUNZ	145.17		PKPbc	00:46:44.992		37.8		3.05		TAS				m_e	
IBBN	145.21		PKPbc	00:46:45.266		37.8		3.05		TAS				m_e	
KAST	145.94		PKPbc	00:46:47.538		37.8		3.05		TAS				m_e	
MANZ	145.56		PKPbc	00:46:45.955		37.8		3.05		TAS				m_e	
MOX	145.24		PKPbc	00:46:45.206		37.8		3.05		TAS				m_e	
NEUB	144.74		PKPbc	00:46:43.465		37.8		3.05		TAS				m_e	
NRDL	144.28		PKPbc	00:46:42.286	0.1	37.8		3.05		TAS				m_e	
ROTZ	145.69		PKPbc	00:46:46.360		37.8		3.05		TAS				m_e	
TANN	145.08		PKPbc	00:46:44.430		37.8		3.05		TAS				m_e	
TNS	146.75		PKPbc	00:46:49.851		37.8		3.05		TAS				m_e	
UBBA	145.70		PKPbc	00:46:46.619		37.8		3.05		TAS				m_e	
WERD	145.12		PKPbc	00:46:44.740		37.8		3.05		TAS				m_e	
WERN	145.21		PKPbc	00:46:45.323		37.8		3.05		TAS				m_e	
WET	145.88		PKPbc	00:46:46.794		37.8		3.05		TAS				m_e	
WLF	148.00		PKPbc	00:46:53.889		37.8		3.05		TAS				m_e	

Event 71111002 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/11	01:16:03.53			-21.8480	174.2760				33.0			16		145.72	151.28	m i ke	BGR
OrigID																	

71111008

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	147.22		PKPbc	01:35:42.869	0.2	31.8		2.66		TAS					m_e	
BFO	151.28		PKPbc	01:35:53.850		31.8		2.66		TAS					m_e	
BRG	147.20		PKPbc	01:35:43.124	-0.3	31.8		2.66		TAS					m_e	
BSEG	145.72		PKPbc	01:35:38.974	-0.6	31.8		2.66		TAS					m_e	
CLL	147.17		PKPbc	01:35:42.735	0.2	31.8		2.66		TAS					m_e	
CLZ	147.56		PKPbc	01:35:44.165	0.2	31.8		2.66		TAS					m_e	
FBE	147.37		PKPbc	01:35:43.423	0.0	31.8		2.66		TAS					m_e	
FLT1	146.87		PKPbc	01:35:41.971	-0.0	31.8		2.66		TAS					m_e	
GEC2	148.93		PKPbc	01:35:47.478		31.8		2.66		TAS					m_e	
GRA1	149.15		PKPbc	01:35:48.204		31.8		2.66		TAS					m_e	
GTTG	147.94		PKPbc	01:35:45.193	0.2	31.8		2.66		TAS					m_e	
GUNZ	148.20		PKPbc	01:35:45.984		31.8		2.66		TAS					m_e	
IBBN	147.86		PKPbc	01:35:44.877	0.2	31.8		2.66		TAS					m_e	
KAST	148.69		PKPbc	01:35:47.423		31.8		2.66		TAS					m_e	
MANZ	148.59		PKPbc	01:35:46.868		31.8		2.66		TAS					m_e	
MOX	148.20		PKPbc	01:35:45.685	-0.7	31.8		2.66		TAS					m_e	
NEUB	147.68		PKPbc	01:35:44.325		31.8		2.66		TAS					m_e	
NRDL	147.06		PKPbc	01:35:42.521	0.2	31.8		2.66		TAS					m_e	
RJOB	150.18		PKPbc	01:35:50.627		31.8		2.66		TAS					m_e	
ROTZ	148.74		PKPbc	01:35:47.137		31.8		2.66		TAS					m_e	
STU	150.62		PKPbc	01:35:52.246		31.8		2.66		TAS					m_e	
TANN	148.11		PKPbc	01:35:45.472		31.8		2.66		TAS					m_e	
TNS	149.56		PKPbc	01:35:49.706		31.8		2.66		TAS					m_e	
UBBA	148.57		PKPbc	01:35:46.780		31.8		2.66		TAS					m_e	
UBR	151.25		PKPbc	01:35:53.840		31.8		2.66		TAS					m_e	
WERD	148.13		PKPbc	01:35:45.728	0.1	31.8		2.66		TAS					m_e	
WERN	148.25		PKPbc	01:35:46.208		31.8		2.66		TAS					m_e	
WET	149.01		PKPbc	01:35:47.607		31.8		2.66		TAS					m_e	

Event 71111003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/11	02:12:02.50			-21.9220	172.3130				33.0			15		146.32	150.70	m i ke	BGR

71111009

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	146.67		PKPbc	02:31:40.545	0.4	35.1		2.73		TAS					m_e	
BFO	150.70		PKPbc	02:31:51.361		35.1		2.73		TAS					m_e	
BRG	146.52		PKPbc	02:31:40.315	-0.2	35.1		2.73		TAS					m_e	

BUG	148.32	PKPbc	02:31:45.460	0.4	35.1	2.73	TAS	m_e
CLL	146.53	PKPbc	02:31:39.802	0.5	35.1	2.73	TAS	m_e
CLZ	147.02	PKPbc	02:31:41.402	0.4	35.1	2.73	TAS	m_e
FBE	146.71	PKPbc	02:31:40.433	0.4	35.1	2.73	TAS	m_e
FLT1	146.32	PKPbc	02:31:38.997	-0.2	35.1	2.73	TAS	m_e
GEC2	148.19	PKPbc	02:31:44.540		35.1	2.73	TAS	m_e
GTTG	147.40	PKPbc	02:31:42.584	0.4	35.1	2.73	TAS	m_e
GUNZ	147.55	PKPbc	02:31:43.124		35.1	2.73	TAS	m_e
IBBN	147.41	PKPbc	02:31:43.022	-0.2	35.1	2.73	TAS	m_e
KAST	148.19	PKPbc	02:31:44.843	0.4	35.1	2.73	TAS	m_e
MANZ	147.94	PKPbc	02:31:44.380		35.1	2.73	TAS	m_e
MOX	147.59	PKPbc	02:31:42.803	-0.6	35.1	2.73	TAS	m_e
NEUB	147.08	PKPbc	02:31:41.720	0.4	35.1	2.73	TAS	m_e
NRDL	146.54	PKPbc	02:31:40.264	-0.2	35.1	2.73	TAS	m_e
RJOB	149.43	PKPbc	02:31:47.807		35.1	2.73	TAS	m_e
ROTZ	148.08	PKPbc	02:31:44.450		35.1	2.73	TAS	m_e
TANN	147.46	PKPbc	02:31:42.762		35.1	2.73	TAS	m_e
TNS	149.03	PKPbc	02:31:47.455		35.1	2.73	TAS	m_e
UBBA	148.01	PKPbc	02:31:44.152	-0.0	35.1	2.73	TAS	m_e
UBR	150.58	PKPbc	02:31:51.175		35.1	2.73	TAS	m_e
WERD	147.49	PKPbc	02:31:42.884	-0.0	35.1	2.73	TAS	m_e
WERN	147.59	PKPbc	02:31:43.287		35.1	2.73	TAS	m_e
WET	148.30	PKPbc	02:31:44.817		35.1	2.73	TAS	m_e
WLF	150.23	PKPbc	02:31:50.907		35.1	2.73	TAS	m_e

Event 71111005 Northwestern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/11	21:00:05.47			36.7620	73.1110				33.0					45.66	45.66	m i ke	BGR
71111011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	71111011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.66		P	21:08:22.197		91.6		6.81		TAS		5.8	0.82	m_e mb	4.6

Event 71112001 Owen Fracture Zone region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/12	04:51:22.79			11.8730	57.9230				10.0					53.74	53.74	m i ke	BGR
71112007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	71112007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	53.74		P	05:00:42.294		119.0		8.32		TAS		9.1	0.92	m_e	mb 4.8

Event 71112002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/12	07:01:52.57			-21.6660	-173.7080				80.8	1.3		19		147.64	153.47	m i ke	BGR
OrigID																	
71112008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.34		PKPbc	07:21:46.628		9.7		2.40		TAS				m_e	
BRG	150.24		PKPbc	07:21:40.196	0.2	9.7		2.40		TAS				m_e	
BSEG	147.64		PKPbc	07:21:32.803	-0.3	9.7		2.40		TAS				m_e	
CLL	149.95		PKPbc	07:21:38.883	-0.1	9.7		2.40		TAS				m_e	
CLZ	149.71		PKPbc	07:21:37.694	0.2	9.7		2.40		TAS				m_e	
FBE	150.28		PKPbc	07:21:39.704	0.2	9.7		2.40		TAS				m_e	
FBE	150.28		pPKPbc	07:22:02.539	-0.3					T__				m_e	
FLT1	149.15		PKPbc	07:21:36.505	-0.5	9.7		2.40		TAS				m_e	
FUR	153.26		PKPbc	07:21:46.523		9.7		2.40		TAS				m_e	
FUR	153.26		pPKPbc	07:22:09.299	-0.3					T__				m_e	
GEC2	152.24		PKPbc	07:21:44.333		9.7		2.40		TAS				m_e	
GRA1	151.76		PKPbc	07:21:43.803	-0.7	9.7		2.40		TAS				m_e	
GUNZ	150.97		PKPbc	07:21:41.625	0.1	9.7		2.40		TAS				m_e	
GUNZ	150.97		pPKPbc	07:22:04.175	-0.3					T__				m_e	
KAST	150.47		PKPbc	07:21:40.154	0.4	9.7		2.40		TAS				m_e	
MANZ	151.37		PKPbc	07:21:42.567	-0.2	9.7		2.40		TAS				m_e	
MOX	150.78		PKPbc	07:21:41.096	0.3	9.7		2.40		TAS				m_e	
RJOB	153.47		PKPbc	07:21:47.175		9.7		2.40		TAS				m_e	
ROTZ	151.57		PKPbc	07:21:42.861	-0.5	9.7		2.40		TAS				m_e	
TANN	150.90		PKPbc	07:21:41.243	0.2	9.7		2.40		TAS				m_e	
TNS	151.45		PKPbc	07:21:42.861	0.6	9.7		2.40		TAS				m_e	
TNS	151.45		pPKPbc	07:22:05.159	-0.3					T__				m_e	
UBBA	150.76		PKPbc	07:21:41.037	0.2	9.7		2.40		TAS				m_e	
WERD	150.89		PKPbc	07:21:41.213	0.2	9.7		2.40		TAS				m_e	
WERN	151.04		PKPbc	07:21:41.802	0.1	9.7		2.40		TAS				m_e	
WET	152.08		PKPbc	07:21:43.660	0.2	9.7		2.40		TAS				m_e	
WLF	152.06		PKPbc	07:21:44.509	0.1	9.7		2.40		TAS				m_e	

Event 71112004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/12	09:54:37.93			-20.5720	170.6590				107.4	2.1		18		144.50	148.87	m i ke	BGR
71112010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.87		PKPbc	10:14:22.050	-0.1	37.2		2.99		TAS				m_e	
FLT1	144.50		PKPbc	10:14:09.008	-0.1	37.2		2.99		TAS				m_e	
GEC2	146.29		PKPbc	10:14:14.393	0.0	37.2		2.99		TAS				m_e	
GRA1	146.66		PKPbc	10:14:15.628	-0.1	37.2		2.99		TAS				m_e	
GUNZ	145.69		PKPbc	10:14:12.664	0.1	37.2		2.99		TAS				m_e	
IBBN	145.65		PKPbc	10:14:12.713	-0.2	37.2		2.99		TAS				m_e	
MANZ	146.07		PKPbc	10:14:13.701	0.2	37.2		2.99		TAS				m_e	
MOX	145.74		PKPbc	10:14:12.466	-0.2	37.2		2.99		TAS				m_e	
MOX	145.74		pPKPbc	10:14:41.887	-0.1					T__				m_e	
RJOB	147.52		PKPbc	10:14:17.999	-0.2	37.2		2.99		TAS				m_e	
ROTZ	146.21		PKPbc	10:14:14.245	0.4	37.2		2.99		TAS				m_e	
STU	148.18		PKPbc	10:14:19.996	-0.0	37.2		2.99		TAS				m_e	
TANN	145.59		PKPbc	10:14:12.466	0.1	37.2		2.99		TAS				m_e	
TNS	147.23		PKPbc	10:14:17.011	0.0	37.2		2.99		TAS				m_e	
TNS	147.23		pPKPbc	10:14:45.432	-0.1					T__				m_e	
UBR	148.71		PKPbc	10:14:21.309		37.2		2.99		TAS				m_e	
WERD	145.63		PKPbc	10:14:12.367	0.2	37.2		2.99		TAS				m_e	
WERN	145.73		PKPbc	10:14:12.763	-0.3	37.2		2.99		TAS				m_e	
WET	146.41		PKPbc	10:14:14.614	-0.0	37.2		2.99		TAS				m_e	
WLF	148.46		PKPbc	10:14:21.566	0.2	37.2		2.99		TAS				m_e	

Event 71112005 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/12	18:18:20.83			34.7900	44.5700				20.0			37		26.74	32.07	m i ke	BGR
71112011																	

Magnitude Err Nsta Author OrigID

mb	6.7		BGR	71112011
MBB	7.4		BGR	71112011
Ms	6.7		BGR	71112011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	31.35		P	18:24:42.815	0.3	110.7		8.89		TAS		15807.4	4.10	m_e	MBB 7.5
ASSE	29.73		P	18:24:27.570	-0.6	110.7		8.89		TAS		10089.6	4.07	m_e	MBB 7.4
BFO	30.00		P	18:24:29.255	-0.2	110.7		8.89		TAS		6505.6	4.07	m_e	MBB 7.2
BRG	27.36		P	18:24:06.892	-0.2	110.7		8.89		TAS		1385.1	1.88	m_e	MBB 7.2

BSEG	30.65	P	18:24:35.947	0.5	110.7	8.89	TAS	1250.2	1.12	m_e	MBB	7.8
BUG	31.49	P	18:24:43.740	-0.2	110.7	8.89	TAS			m_e		
CLL	28.08	P	18:24:12.794	-0.7	110.7	8.89	TAS	1418.5	1.75	m_e	MBB	7.4
CLZ	29.80	P	18:24:28.413	-0.4	110.7	8.89	TAS	3685.2	2.22	m_e	MBB	7.4
FBE	27.72	P	18:24:10.581	0.2	110.7	8.89	TAS	1198.4	1.79	m_e	MBB	7.3
FLT1	29.49	P	18:24:25.302	-0.6	110.7	8.89	TAS	1475.7	1.37	m_e	MBB	7.6
FUR	28.06	P	18:24:13.159	0.7	110.7	8.89	TAS	8677.3	2.17	m_e	MBB	7.5
GEC2	26.74	P	18:24:01.929	0.5	110.7	8.89	TAS	7980.3	3.51	m_e	MBB	7.3
GOR1	29.72	P	18:24:27.890	0.3	110.7	8.89	TAS	3163.6	1.29	m_e	MBB	7.9
GRA1	28.55	P	18:24:17.862	0.2	110.7	8.89	TAS	4598.3	2.22	m_e	mb	6.9
GRA1	28.55	L	18:39:00.102				T__	230912.0	18.00	a_e	Ms	6.8
GUNZ	28.11	P	18:24:14.249	0.4	110.7	8.89	TAS	1175.4	1.90	m_e	MBB	7.2
HLG	32.07	P	18:24:48.539	0.3	110.7	8.89	TAS	1580.9	1.15	m_e	MBB	7.8
IBBN	31.47	P	18:24:43.886	0.2	110.7	8.89	TAS	2086.8	1.28	m_e	MBB	7.8
KAST	30.73	P	18:24:37.080	-0.1	110.7	8.89	TAS	2403.8	2.09	m_e	MBB	7.6
MANZ	28.11	P	18:24:13.549	-0.2	110.7	8.89	TAS	878.8	2.38	m_e	MBB	6.9
MOX	28.64	P	18:24:17.881	-0.7	110.7	8.89	TAS	654.9	1.85	m_e	MBB	7.3
MOX	28.64	L	18:39:03.213				T__	150160.0	18.70	a_e	Ms	6.6
NEUB	28.74	P	18:24:19.617	0.1	110.7	8.89	TAS	9153.4	3.23	m_e	MBB	7.3
NRDL	30.19	P	18:24:32.281	0.1	110.7	8.89	TAS	3287.5	1.85	m_e	MBB	7.7
PLN	28.26	P	18:24:14.654	-0.5	110.7	8.89	TAS	1370.9	2.42	m_e	MBB	7.4
RETH	30.70	P	18:24:37.225	0.5	110.7	8.89	TAS	7804.7	1.95	m_e	MBB	7.9
RGN	29.36	P	18:24:24.232	1.4	110.7	8.89	TAS	3022.8	1.01	m_e	MBB	7.9
RJOB	26.96	P	18:24:03.849	1.2	110.7	8.89	TAS	3283.0	2.57	m_e	MBB	7.3
ROTZ	27.97	P	18:24:12.789	0.2	110.7	8.89	TAS	1336.5	2.13	m_e	MBB	7.0
RUE	28.14	P	18:24:13.346	-0.1	110.7	8.89	TAS	10655.4	2.23	m_e	MBB	7.6
STU	29.55	P	18:24:25.560	-0.4	110.7	8.89	TAS	995.8	1.45	m_e	MBB	7.5
TANN	28.05	P	18:24:12.623	-0.7	110.7	8.89	TAS	3743.7	2.86	m_e	MBB	7.4
TNS	30.42	P	18:24:33.926	-0.3	110.7	8.89	TAS	1803.8	1.83	m_e	MBB	7.4
UBBA	29.66	P	18:24:27.019	-0.6	110.7	8.89	TAS	1567.2	2.16	m_e	MBB	7.3
UBR	28.69	P	18:24:18.927	1.4	110.7	8.89	TAS	798.6	1.21	m_e	MBB	7.5
WERD	28.15	P	18:24:13.127	-1.1	110.7	8.89	TAS	920.5	2.07	m_e	MBB	7.1
WERN	28.05	P	18:24:13.055	-0.3	110.7	8.89	TAS	3334.1	2.54	m_e	MBB	7.3
WET	27.35	P	18:24:06.236	-0.7	110.7	8.89	TAS	3121.6	2.58	m_e	MBB	7.2
WLF	31.71	P	18:24:45.198	-0.1	110.7	8.89	TAS	469.9	1.04	m_e	MBB	7.4

Event 71112006 Cook Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/12	18:36:56.84			-17.5300	-160.5360				33.0			6		142.98	148.02	m i ke	BGR
71112012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	142.98		PKPbc	18:56:23.828	-0.1	345.4		2.89		TAS					m_e

CLZ	145.01	PKPbc	18:56:29.611	345.4	2.89	TAS	m_e
FLT1	144.67	PKPbc	18:56:28.462	345.4	2.89	TAS	m_e
GUNZ	146.75	PKPbc	18:56:35.031	345.4	2.89	TAS	m_e
IBBN	144.09	PKPbc	18:56:27.261	345.4	2.89	TAS	m_e
KAST	145.27	PKPbc	18:56:29.874	345.4	2.89	TAS	m_e
MANZ	147.09	PKPbc	18:56:35.711	345.4	2.89	TAS	m_e
ROTZ	147.31	PKPbc	18:56:36.202	345.4	2.89	TAS	m_e
TANN	146.72	PKPbc	18:56:35.031	345.4	2.89	TAS	m_e
WERD	146.66	PKPbc	18:56:34.793	345.4	2.89	TAS	m_e
WERN	146.83	PKPbc	18:56:35.202	345.4	2.89	TAS	m_e
WET	148.02	PKPbc	18:56:38.213	345.4	2.89	TAS	m_e
WLF	146.19	PKPbc	18:56:33.610	345.4	2.89	TAS	m_e

Event 71112007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/12	22:24:14.35			38.4030	144.6560				33.0			35		78.44	85.33	m i ke	BGR
71112013																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	71112013
MBB	6.5		BGR	71112013
Ms	5.7		BGR	71112013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.90		P	22:36:39.183	0.0	35.0		5.18		TAS		245.1	1.26	a_e	MBB 6.6
ASSE	81.33		P	22:36:25.733	-0.1	35.0		5.18		TAS		130.6	1.32	a_e	MBB 6.4
BFO	85.33		P	22:36:46.233	-0.3	35.0		5.18		TAS		363.1	1.16	a_e	MBB 6.7
BRG	81.15		P	22:36:25.245	0.6	35.0		5.18		TAS		116.7	1.08	m_e	MBB 6.4
BSEG	79.97		P	22:36:18.683	-0.1	35.0		5.18		TAS		321.7	1.11	a_e	MBB 6.4
BUG	83.08		P	22:36:34.533	-0.3	35.0		5.18		TAS		144.3	1.12	a_e	MBB 6.6
CLL	81.15		P	22:36:24.433	-0.6	35.0		5.18		TAS		249.6	1.08	a_e	MBB 6.6
CLZ	81.67		P	22:36:27.883	0.2	35.0		5.18		TAS		262.4	1.13	a_e	MBB 6.6
FBE	81.33		P	22:36:25.883	-0.0	35.0		5.18		TAS		269.3	1.13	a_e	MBB 6.4
FLT1	80.97		P	22:36:23.333	-0.7	35.0		5.18		TAS		263.5	1.13	m_e	MBB 6.4
FUR	84.36		P	22:36:41.683	0.1	35.0		5.18		TAS		3713.1	2.61	a_e	MBB 6.9
GEC2	82.87		P	22:36:33.783	-0.1	35.0		5.18		TAS		152.0	1.41	a_e	MBB 6.5
GOR1	80.40		P	22:36:21.233	0.2	35.0		5.18		TAS		503.3	1.44	a_e	MBB 6.6
GRA1	83.13		P	22:36:35.683	0.5	35.0		5.18		TAS		332.0	1.24	a_e	MBB 6.9
GRA1	83.13		L	23:14:45.822						T__		3868.2	21.90	m_e	Ms 5.7
GUNZ	82.17		P	22:36:30.233	-0.0	35.0		5.18		TAS		149.5	1.16	a_e	MBB 6.3
IBBN	82.18		P	22:36:30.552	0.3	35.0		5.18		TAS		365.4	1.19	m_e	MBB 6.7
KAST	82.89		P	22:36:34.471	0.6	35.0		5.18		TAS		161.0	1.39	m_e	MBB 6.5
MANZ	82.56		P	22:36:32.283	0.0	35.0		5.18		TAS		32.6	1.33	a_e	MBB 6.0
MOX	82.21		P	22:36:30.383	-0.1	35.0		5.18		TAS		190.4	1.43	a_e	MBB 6.5
MOX	82.21		L	23:14:54.244						T__		3623.2	21.20	a_e	Ms 5.7

NEUB	81.70	P	22:36:27.533	-0.3	35.0	5.18	TAS	307.2	1.15	a_e	MBB	6.6
NRDL	81.23	P	22:36:25.233	-0.1	35.0	5.18	TAS	135.4	1.21	a_e	MBB	6.3
PLN	82.13	P	22:36:30.133	0.1	35.0	5.18	TAS	164.2	1.43	a_e	MBB	6.4
RETH	81.28	P	22:36:25.583	0.0	35.0	5.18	TAS	296.0	1.28	a_e	MBB	6.5
RGN	78.44	P	22:36:11.014	0.1	35.0	5.18	TAS	465.1	1.14	m_e	MBB	6.8
ROTZ	82.70	P	22:36:33.383	0.4	35.0	5.18	TAS	65.9	1.45	a_e	MBB	6.1
RUE	79.93	P	22:36:18.433	-0.2	35.0	5.18	TAS	294.4	1.16	m_e	MBB	6.5
STU	84.64	P	22:36:42.883	-0.2	35.0	5.18	TAS	740.5	1.10	a_e	MBB	7.1
TANN	82.08	P	22:36:29.783	0.0	35.0	5.18	TAS	126.0	1.42	a_e	MBB	6.4
TNS	83.70	P	22:36:38.133	0.0	35.0	5.18	TAS	150.7	1.20	a_e	MBB	6.5
UBBA	82.65	P	22:36:32.533	-0.2	35.0	5.18	TAS	145.0	1.60	a_e	MBB	6.5
UBR	85.21	P	22:36:45.583	-0.4	35.0	5.18	TAS	104.6	1.14	a_e	MBB	6.6
WERD	82.11	P	22:36:29.833	-0.1	35.0	5.18	TAS	123.1	1.20	a_e	mb	5.9
WERN	82.21	P	22:36:30.533	0.1	35.0	5.18	TAS	166.4	1.15	a_e	MBB	6.3
WET	82.95	P	22:36:34.633	0.3	35.0	5.18	TAS	165.3	1.24	a_e	MBB	6.7
WLF	84.96	P	22:36:44.933	0.3	35.0	5.18	TAS	653.4	1.68	a_e	MBB	6.8

Event 71113001 Costa Rica

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/13	02:28:32.83			10.8160	-83.3780				33.0			19		81.55	86.56	m i ke	BGR
71113007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.4		BGR	71113007
MBB	7.1		BGR	71113007
Ms	6.7		BGR	71113007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.03	P		02:40:50.178	-0.4	280.5		5.03		TAS		531.3	1.36	m_e	MBB 7.1
ASSE	84.03	P		02:40:59.489		280.5		5.03		TAS		170.9	1.25	m_e	MBB 7.1
BFO	83.15	P		02:40:55.204		280.5		5.03		TAS		247.8	1.34	m_e	MBB 7.0
BRG	86.28	P		02:41:10.875	0.1	280.5		5.03		TAS		238.5	1.35	m_e	MBB 7.0
BSEG	83.52	P		02:40:56.782		280.5		5.03		TAS		321.2	1.39	m_e	MBB 7.2
BUG	82.04	P		02:40:49.457	0.0	280.5		5.03		TAS		285.1	1.28	m_e	MBB 7.1
CLL	85.61	P		02:41:07.171	-0.0	280.5		5.03		TAS		279.9	1.27	m_e	MBB 7.0
CLZ	83.90	P		02:40:58.980	0.0	280.5		5.03		TAS		332.0	1.27	m_e	MBB 7.2
FBE	85.90	P		02:41:08.907	0.1	280.5		5.03		TAS			1.22	m_e	
FLT1	84.34	P		02:41:00.774		280.5		5.03		TAS		291.7	1.31	m_e	MBB 7.1
GEC2	86.56	P		02:41:12.233		280.5		5.03		TAS		382.6	1.43	m_e	MBB 7.0
GOR1	84.26	P		02:41:00.698		280.5		5.03		TAS			7.36	m_e	
GRA1	84.80	P		02:41:03.866		280.5		5.03		TAS		429.2	1.38	m_e	MBB 7.2
GRA1	84.80	L		03:14:23.672						T_		44481.1	21.30	a_e	Ms 6.8
GUNZ	85.38	P		02:41:06.508		280.5		5.03		TAS			1.34	m_e	
IBBN	82.23	P		02:40:50.338	0.2	280.5		5.03		TAS		449.9	1.38	m_e	MBB 7.1
KAST	82.79	P		02:40:53.220	-0.2	280.5		5.03		TAS		256.9	1.44	m_e	MBB 7.1

MANZ	85.31	P	02:41:06.175	0.1	280.5	5.03	TAS	101.4	1.53	m_e	MBB	6.5
MOX	84.88	P	02:41:04.228	0.1	280.5	5.03	TAS	301.7	1.38	m_e	MBB	7.1
MOX	84.88	L	03:20:50.370				T__	19863.3	20.00	a_e	Ms	6.5
NEUB	84.87	P	02:41:03.634	0.1	280.5	5.03	TAS	431.1	1.40	m_e	MBB	7.3
NRDL	83.63	P	02:40:57.381		280.5	5.03	TAS	292.8	1.29	m_e	MBB	7.2
PLN	85.25	P	02:41:05.867	0.3	280.5	5.03	TAS		0.93	m_e		
RETH	83.14	P	02:40:55.022		280.5	5.03	TAS		1.24	m_e		
RGN	85.14	P	02:41:04.958		280.5	5.03	TAS	865.8	1.28	m_e	MBB	7.3
ROTZ	85.42	P	02:41:06.865	0.1	280.5	5.03	TAS	63.2	1.37	m_e	MBB	6.6
STU	83.65	P	02:40:57.862		280.5	5.03	TAS	1565.5	1.49	m_e	MBB	7.5
TANN	85.45	P	02:41:07.029	0.1	280.5	5.03	TAS	331.6	1.26	m_e	MBB	7.1
TNS	82.95	P	02:40:54.020		280.5	5.03	TAS	411.9	1.42	m_e	MBB	7.1
UBBA	83.83	P	02:40:58.743	-0.5	280.5	5.03	TAS	16761.2	3.98	m_e	MBB	7.1
UBR	84.43	P	02:41:01.519		280.5	5.03	TAS	527.9	1.41	m_e	MBB	7.2
WERD	85.35	P	02:41:06.509	0.1	280.5	5.03	TAS		3.94	m_e		
WERN	85.42	P	02:41:06.668		280.5	5.03	TAS		1.21	m_e		
WET	85.97	P	02:41:09.550		280.5	5.03	TAS	629.0	1.42	m_e	MBB	7.1
WLF	81.55	P	02:40:47.376		280.5	5.03	TAS	420.4	1.30	m_e	MBB	7.1

Event 71113002 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/13	04:28:50.35			38.7340	40.9670				33.0					23.82	23.82	m i ke	BGR
71113008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	71113008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.82		P	04:34:00.335		111.6		9.86		TAS		14.2	0.70	m_e mb	4.6

Event 71113004 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/11/13	13:35:06.99			-20.8860	171.3220				33.0					15	143.96	149.90	m i ke	BGR
71113010																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.38		PKPbc	13:54:41.746	0.1	35.9		2.89		TAS				m_e	
BFO	149.39		PKPbc	13:54:52.973		35.9		2.89		TAS				m_e	
BRG	145.19		PKPbc	13:54:41.488	-0.5	35.9		2.89		TAS				m_e	

BSEG	143.96	PKPbc	13:54:37.213	-0.7	35.9	2.89	TAS	m_e
BUG	147.05	PKPbc	13:54:47.032	0.6	35.9	2.89	TAS	m_e
CLL	145.22	PKPbc	13:54:40.857	-0.2	35.9	2.89	TAS	m_e
CLZ	145.72	PKPbc	13:54:42.737	0.6	35.9	2.89	TAS	m_e
ECH	149.90	PKPbc	13:54:54.499		35.9	2.89	TAS	m_e
FBE	145.39	PKPbc	13:54:41.866	0.6	35.9	2.89	TAS	m_e
FLT1	145.02	PKPbc	13:54:40.220	-0.6	35.9	2.89	TAS	m_e
FUR	148.40	PKPbc	13:54:50.187		35.9	2.89	TAS	m_e
GEC2	146.85	PKPbc	13:54:46.097		35.9	2.89	TAS	m_e
GTTG	146.11	PKPbc	13:54:44.005	0.7	35.9	2.89	TAS	m_e
GUNZ	146.23	PKPbc	13:54:44.285		35.9	2.89	TAS	m_e
IBBN	146.14	PKPbc	13:54:44.030	0.0	35.9	2.89	TAS	m_e
KAST	146.91	PKPbc	13:54:46.570	0.6	35.9	2.89	TAS	m_e
MANZ	146.62	PKPbc	13:54:45.402		35.9	2.89	TAS	m_e
MILB	147.79	PKPbc	13:54:48.776		35.9	2.89	TAS	m_e
MOX	146.27	PKPbc	13:54:44.332	-0.5	35.9	2.89	TAS	m_e
NEUB	145.77	PKPbc	13:54:42.850	0.6	35.9	2.89	TAS	m_e
NRDL	145.26	PKPbc	13:54:41.151	0.1	35.9	2.89	TAS	m_e
POSS	145.98	PKPbc	13:54:43.413	0.6	35.9	2.89	TAS	m_e
ROTZ	146.75	PKPbc	13:54:45.768		35.9	2.89	TAS	m_e
STU	148.71	PKPbc	13:54:51.327		35.9	2.89	TAS	m_e
TANN	146.14	PKPbc	13:54:43.920		35.9	2.89	TAS	m_e
TNS	147.74	PKPbc	13:54:48.646		35.9	2.89	TAS	m_e
UBBA	146.71	PKPbc	13:54:45.620	-0.5	35.9	2.89	TAS	m_e
UBR	149.26	PKPbc	13:54:52.508		35.9	2.89	TAS	m_e
WERD	146.17	PKPbc	13:54:43.905	-0.5	35.9	2.89	TAS	m_e
WERN	146.27	PKPbc	13:54:44.272		35.9	2.89	TAS	m_e
WET	146.97	PKPbc	13:54:46.539		35.9	2.89	TAS	m_e
WIMM	145.60	PKPbc	13:54:42.264	0.1	35.9	2.89	TAS	m_e
WLF	148.96	PKPbc	13:54:52.787		35.9	2.89	TAS	m_e

Event 71113005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/13	21:16:41.60			-20.5950	170.6060				33.0			17		143.47	148.87	m i ke	BGR
71113011																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.87		PKPbc	21:36:25.338		36.8		2.97		TAS					m_e
BRG	144.64		PKPbc	21:36:13.531	0.3	36.8		2.97		TAS					m_e
BSEG	143.47		PKPbc	21:36:09.334	-0.7	36.8		2.97		TAS					m_e
BUG	146.56		PKPbc	21:36:19.407	0.2	36.8		2.97		TAS					m_e
CLL	144.68		PKPbc	21:36:12.971	0.0	36.8		2.97		TAS					m_e
CLZ	145.21		PKPbc	21:36:15.004	0.2	36.8		2.97		TAS					m_e

FBE	144.84	PKPbc	21:36:13.923	0.1	36.8	2.97	TAS	m_e
FLT1	144.50	PKPbc	21:36:12.804	-0.4	36.8	2.97	TAS	m_e
GEC2	146.29	PKPbc	21:36:18.125		36.8	2.97	TAS	m_e
GRA1	146.66	PKPbc	21:36:19.295		36.8	2.97	TAS	m_e
GTTG	145.60	PKPbc	21:36:16.108	0.2	36.8	2.97	TAS	m_e
GUNZ	145.69	PKPbc	21:36:16.441	-0.8	36.8	2.97	TAS	m_e
IBBN	145.66	PKPbc	21:36:16.341		36.8	2.97	TAS	m_e
KAST	146.41	PKPbc	21:36:18.549	0.2	36.8	2.97	TAS	m_e
MANZ	146.07	PKPbc	21:36:17.357		36.8	2.97	TAS	m_e
MOX	145.74	PKPbc	21:36:16.497	0.2	36.8	2.97	TAS	m_e
NEUB	145.24	PKPbc	21:36:15.164	-0.0	36.8	2.97	TAS	m_e
NRDL	144.75	PKPbc	21:36:13.054		36.8	2.97	TAS	m_e
ROTZ	146.21	PKPbc	21:36:18.119		36.8	2.97	TAS	m_e
TANN	145.59	PKPbc	21:36:16.049	0.0	36.8	2.97	TAS	m_e
TNS	147.23	PKPbc	21:36:21.191	-0.0	36.8	2.97	TAS	m_e
UBBA	146.19	PKPbc	21:36:17.987	-0.0	36.8	2.97	TAS	m_e
UBR	148.71	PKPbc	21:36:24.499		36.8	2.97	TAS	m_e
WERD	145.63	PKPbc	21:36:16.217	0.4	36.8	2.97	TAS	m_e
WERN	145.73	PKPbc	21:36:16.776		36.8	2.97	TAS	m_e
WET	146.41	PKPbc	21:36:18.567		36.8	2.97	TAS	m_e
WLF	148.46	PKPbc	21:36:25.282		36.8	2.97	TAS	m_e

Event 71114001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/14	00:24:55.74			-21.5710	172.9490				16.8	0.4		11		145.09	150.59	m i k e	BGR
71114007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.59		PKPbc	00:44:44.306		33.8		2.74		TAS				m_e	
BRG	146.45		PKPbc	00:44:33.160		33.8		2.74		TAS				m_e	
BSEG	145.09		PKPbc	00:44:28.957	0.2	33.8		2.74		TAS				m_e	
BSEG	145.09		pPKPbc	00:44:34.034	0.2					T__				m_e	
CLL	146.45		PKPbc	00:44:32.888		33.8		2.74		TAS				m_e	
CLZ	146.89		PKPbc	00:44:34.169	0.2	33.8		2.74		TAS				m_e	
FBE	146.63		PKPbc	00:44:33.517		33.8		2.74		TAS				m_e	
FLT1	146.20		PKPbc	00:44:31.987	0.2	33.8		2.74		TAS				m_e	
FUR	149.66		PKPbc	00:44:41.640	0.2	33.8		2.74		TAS				m_e	
FUR	149.66		pPKPbc	00:44:46.768	0.2					T__				m_e	
GEC2	148.15		PKPbc	00:44:37.451		33.8		2.74		TAS				m_e	
GRA1	148.43		PKPbc	00:44:38.467		33.8		2.74		TAS				m_e	
GTTG	147.28		PKPbc	00:44:35.233		33.8		2.74		TAS				m_e	
IBBN	147.25		PKPbc	00:44:35.437		33.8		2.74		TAS				m_e	
KAST	148.05		PKPbc	00:44:37.351		33.8		2.74		TAS				m_e	

KAST	148.05	pPKPbc	00:44:42.276	0.2							T__					m_e
MANZ	147.86	PKPbc	00:44:37.096		33.8		2.74				TAS					m_e
MOX	147.49	PKPbc	00:44:35.713		33.8		2.74				TAS					m_e
NEUB	146.98	PKPbc	00:44:34.470		33.8		2.74				TAS					m_e
NRDL	146.41	PKPbc	00:44:32.612	-0.6	33.8		2.74				TAS					m_e
ROTZ	148.00	PKPbc	00:44:37.502		33.8		2.74				TAS					m_e
TANN	147.38	PKPbc	00:44:35.674		33.8		2.74				TAS					m_e
TNS	148.90	PKPbc	00:44:40.117	0.2	33.8		2.74				TAS					m_e
UBBA	147.89	PKPbc	00:44:37.229		33.8		2.74				TAS					m_e
UBR	150.51	PKPbc	00:44:43.950		33.8		2.74				TAS					m_e
WERD	147.41	PKPbc	00:44:35.642		33.8		2.74				TAS					m_e
WERN	147.51	PKPbc	00:44:36.131		33.8		2.74				TAS					m_e
WET	148.24	PKPbc	00:44:37.756		33.8		2.74				TAS					m_e
WLF	150.07	PKPbc	00:44:43.885	0.2	33.8		2.74				TAS					m_e

Event 71114002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/14	01:13:11.77			-19.7080	175.1630				33.0					147.45	147.45	m i ke	BGR
71114008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.45		PKPbc	01:32:51.723		36.6		2.26		TAS					m_e

Event 71114003 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/14	05:25:13.90			-20.6700	171.0920				33.0				20	144.74	149.11	m i ke	BGR
71114009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.11		PKPbc	05:44:58.592		36.1		2.93		TAS					m_e
BRG	144.91		PKPbc	05:44:46.835	-0.3	36.1		2.93		TAS					m_e
CLL	144.93		PKPbc	05:44:46.409	-0.1	36.1		2.93		TAS					m_e
CLZ	145.44		PKPbc	05:44:48.028	0.5	36.1		2.93		TAS					m_e
FBE	145.10		PKPbc	05:44:47.147	0.2	36.1		2.93		TAS					m_e
FLT1	144.74		PKPbc	05:44:45.837	0.2	36.1		2.93		TAS					m_e
GEC2	146.56		PKPbc	05:44:51.889	-0.3	36.1		2.93		TAS					m_e
GTTG	145.83		PKPbc	05:44:49.568	-0.3	36.1		2.93		TAS					m_e

GUNZ	145.94	PKPbc	05:44:49.676	-0.0	36.1	2.93	TAS	m_e
IBBN	145.87	PKPbc	05:44:49.927	0.0	36.1	2.93	TAS	m_e
KAST	146.63	PKPbc	05:44:51.792	0.2	36.1	2.93	TAS	m_e
MANZ	146.33	PKPbc	05:44:51.028	0.6	36.1	2.93	TAS	m_e
MOX	145.99	PKPbc	05:44:49.526	-0.3	36.1	2.93	TAS	m_e
NRDL	144.98	PKPbc	05:44:46.874	-0.2	36.1	2.93	TAS	m_e
ROTZ	146.47	PKPbc	05:44:51.758	0.3	36.1	2.93	TAS	m_e
TANN	145.85	PKPbc	05:44:49.150	-0.0	36.1	2.93	TAS	m_e
TNS	147.47	PKPbc	05:44:54.250	0.5	36.1	2.93	TAS	m_e
UBR	148.97	PKPbc	05:44:58.307		36.1	2.93	TAS	m_e
WERD	145.89	PKPbc	05:44:49.261	-0.0	36.1	2.93	TAS	m_e
WERN	145.99	PKPbc	05:44:49.816	0.2	36.1	2.93	TAS	m_e
WET	146.68	PKPbc	05:44:52.187	-0.4	36.1	2.93	TAS	m_e
WLF	148.68	PKPbc	05:44:58.585	0.2	36.1	2.93	TAS	m_e

Event 71114004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/14	07:55:15.57			-23.2230	-175.4450				33.0			16		149.03	155.19	m i ke	BGR
71114010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	154.77		PKPbc	08:15:14.133	-0.1	13.6		2.28		TAS					m_e
BRG	151.45		PKPbc	08:15:07.082	0.4	13.6		2.28		TAS					m_e
BSEG	149.03		PKPbc	08:15:00.743	-0.4	13.6		2.28		TAS					m_e
CLL	151.21		PKPbc	08:15:05.690	-0.4	13.6		2.28		TAS					m_e
FBE	151.52		PKPbc	08:15:06.938	0.1	13.6		2.28		TAS					m_e
GEC2	153.42		PKPbc	08:15:10.685	-0.6	13.6		2.28		TAS					m_e
GUNZ	152.24		PKPbc	08:15:08.544	0.1	13.6		2.28		TAS					m_e
KAST	151.91		PKPbc	08:15:07.819	0.0	13.6		2.28		TAS					m_e
MANZ	152.64		PKPbc	08:15:09.532	0.2	13.6		2.28		TAS					m_e
MOX	152.08		PKPbc	08:15:08.187	0.1	13.6		2.28		TAS					m_e
ROTZ	152.83		PKPbc	08:15:09.743	-0.0	13.6		2.28		TAS					m_e
TANN	152.16		PKPbc	08:15:08.187	-0.1	13.6		2.28		TAS					m_e
TNS	152.88		PKPbc	08:15:10.339	0.3	13.6		2.28		TAS					m_e
UBR	155.19		PKPbc	08:15:14.931	-0.2	13.6		2.28		TAS					m_e
WERD	152.16		PKPbc	08:15:08.427	0.2	13.6		2.28		TAS					m_e
WERN	152.30		PKPbc	08:15:08.797	0.2	13.6		2.28		TAS					m_e

Event 71114005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2017/11/14 10:49:03.37 -17.6670 -176.8810 33.0 28 143.38 149.52 m i ke BGR
 71114011

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.10		PKPbc	11:08:36.305	-0.0	14.7		2.93		TAS					m_e
BFO	149.12		PKPbc	11:08:48.175	0.0	14.7		2.93		TAS					m_e
BRG	145.76		PKPbc	11:08:38.329	0.1	14.7		2.93		TAS					m_e
BSEG	143.38		PKPbc	11:08:31.354	0.0	14.7		2.93		TAS					m_e
CLL	145.53		PKPbc	11:08:37.758	0.2	14.7		2.93		TAS					m_e
CLZ	145.42		PKPbc	11:08:37.151	-0.1	14.7		2.93		TAS					m_e
FBE	145.83		PKPbc	11:08:38.632	0.2	14.7		2.93		TAS					m_e
FLT1	144.82		PKPbc	11:08:35.452	-0.0	14.7		2.93		TAS					m_e
GEC2	147.73		PKPbc	11:08:43.985	-0.1	14.7		2.93		TAS					m_e
GRA1	147.39		PKPbc	11:08:43.094	0.1	14.7		2.93		TAS					m_e
GTTG	145.76		PKPbc	11:08:38.284	-0.0	14.7		2.93		TAS					m_e
GUNZ	146.55		PKPbc	11:08:40.466	-0.1	14.7		2.93		TAS					m_e
IBBN	145.24		PKPbc	11:08:36.867	-0.1	14.7		2.93		TAS					m_e
KAST	146.28		PKPbc	11:08:40.106	0.2	14.7		2.93		TAS					m_e
MANZ	146.96		PKPbc	11:08:41.699	-0.0	14.7		2.93		TAS					m_e
MOX	146.40		PKPbc	11:08:40.011	-0.1	14.7		2.93		TAS					m_e
NEUB	145.85		PKPbc	11:08:38.501	0.0	14.7		2.93		TAS					m_e
NRDL	144.81		PKPbc	11:08:35.404	-0.1	14.7		2.93		TAS					m_e
RJOB	148.98		PKPbc	11:08:47.687	-0.0	14.7		2.93		TAS					m_e
ROTZ	147.15		PKPbc	11:08:42.454	0.2	14.7		2.93		TAS					m_e
TANN	146.48		PKPbc	11:08:40.350	0.0	14.7		2.93		TAS					m_e
TNS	147.24		PKPbc	11:08:42.673	-0.0	14.7		2.93		TAS					m_e
UBBA	146.47		PKPbc	11:08:40.256	-0.1	14.7		2.93		TAS					m_e
UBR	149.52		PKPbc	11:08:49.071	-0.2	14.7		2.93		TAS					m_e
WERD	146.48		PKPbc	11:08:40.244	-0.1	14.7		2.93		TAS					m_e
WERN	146.62		PKPbc	11:08:40.571	-0.2	14.7		2.93		TAS					m_e
WET	147.62		PKPbc	11:08:43.716	0.0	14.7		2.93		TAS					m_e
WLF	147.99		PKPbc	11:08:45.427	0.2	14.7		2.93		TAS					m_e

Event 71114006 Tonga Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2017/11/14 18:44:04.92 -18.9910 -169.2100 33.0 24 145.12 151.38 m i ke BGR
 71114012

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.38		PKPbc	19:03:47.940	0.1	0.8		2.64		TAS					m_e

ASSE	146.93	PKPbc	19:03:43.371	0.0	0.8	2.64	TAS	m_e
BFO	150.67	PKPbc	19:03:53.582		0.8	2.64	TAS	m_e
BRG	148.09	PKPbc	19:03:47.184	-0.1	0.8	2.64	TAS	m_e
BSEG	145.12	PKPbc	19:03:38.225	-1.1	0.8	2.64	TAS	m_e
CLL	147.71	PKPbc	19:03:45.740	0.6	0.8	2.64	TAS	m_e
CLZ	147.22	PKPbc	19:03:44.147	0.5	0.8	2.64	TAS	m_e
FBE	148.07	PKPbc	19:03:46.846	0.2	0.8	2.64	TAS	m_e
FLT1	146.73	PKPbc	19:03:42.919	0.3	0.8	2.64	TAS	m_e
FUR	150.90	PKPbc	19:03:53.751		0.8	2.64	TAS	m_e
GEC2	150.13	PKPbc	19:03:51.776		0.8	2.64	TAS	m_e
GRA1	149.37	PKPbc	19:03:50.084	-0.4	0.8	2.64	TAS	m_e
GTTG	147.51	PKPbc	19:03:45.161		0.8	2.64	TAS	m_e
GUNZ	148.68	PKPbc	19:03:48.391	0.2	0.8	2.64	TAS	m_e
IBBN	146.67	PKPbc	19:03:43.089	-1.1	0.8	2.64	TAS	m_e
KAST	147.80	PKPbc	19:03:46.161	0.6	0.8	2.64	TAS	m_e
MANZ	149.06	PKPbc	19:03:49.463	-0.3	0.8	2.64	TAS	m_e
MOX	148.41	PKPbc	19:03:47.545	-0.1	0.8	2.64	TAS	m_e
NEUB	147.86	PKPbc	19:03:46.162	-0.0	0.8	2.64	TAS	m_e
NRDL	146.56	PKPbc	19:03:42.091	-1.1	0.8	2.64	TAS	m_e
ROTZ	149.28	PKPbc	19:03:49.802	-0.4	0.8	2.64	TAS	m_e
TANN	148.62	PKPbc	19:03:47.997	0.4	0.8	2.64	TAS	m_e
TNS	148.78	PKPbc	19:03:49.068	0.5	0.8	2.64	TAS	m_e
UBR	151.38	PKPbc	19:03:55.310		0.8	2.64	TAS	m_e
WERD	148.59	PKPbc	19:03:47.940	0.1	0.8	2.64	TAS	m_e
WERN	148.75	PKPbc	19:03:48.561	-0.1	0.8	2.64	TAS	m_e
WET	149.87	PKPbc	19:03:51.212	-0.6	0.8	2.64	TAS	m_e
WLF	149.17	PKPbc	19:03:50.615	-0.1	0.8	2.64	TAS	m_e

Event 71115001 South of Mariana Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	00:23:57.37		11.2600	147.8100				33.0				12		105.73	110.68	m i ke	BGR
71115007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	71115007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	109.59		PP	00:42:56.494						T__					m_e
ASSE	106.89		PP	00:42:37.182						T__					m_e
BFO	110.68		PP	00:43:03.939						T__					m_e
BSEG	105.73		PP	00:42:28.573						T__					m_e
BUG	108.83		PP	00:42:50.444						T__					m_e
CLZ	107.22		PP	00:42:38.345						T__					m_e
FBE	106.54		PP	00:42:33.692						T__					m_e
FLT1	106.50		PP	00:42:32.063						T__					m_e

GEC2	107.78	PP	00:42:42.533	T__														m_e
GRA1	108.38	PP	00:42:46.489	T__														m_e
GRA1	108.38	L	01:30:34.487	T__							646.4	19.00	a_e Ms				5.2	
GTTG	107.61	PP	00:42:40.672	T__														m_e
KAST	108.53	PP	00:42:46.721	T__														m_e
MOX	107.53	PP	00:42:40.207	T__														m_e
MOX	107.53	L	01:29:47.867	T__							771.8	19.60	a_e Ms				5.3	
ROTZ	107.87	PP	00:42:43.929	T__														m_e
TNS	109.24	PP	00:42:53.004	T__														m_e

Event 71115002 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	03:12:21.86			71.9590	3.4130				10.0				21	20.00	24.56	m i ke	BGR
71115008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	71115008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.56		P	03:17:07.860	0.8	353.7		10.37		TAS		17.3	0.91	m_e mb	4.5
ASSE	20.16		P	03:16:53.024	-1.2	353.7		10.37		TAS				m_e	
BFO	23.82		P	03:17:31.055		353.7		10.37		TAS		13.8	0.97	m_e mb	4.5
BRG	21.68		P	03:17:09.227	-0.2	353.7		10.37		TAS				m_e	
BUG	20.66		P	03:16:57.813	-0.8	353.7		10.37		TAS		14.3	0.93	m_e mb	4.3
CLL	21.16		P	03:17:03.334	-1.0	353.7		10.37		TAS				m_e	
CLZ	20.43		P	03:16:55.724	-1.0	353.7		10.37		TAS		17.0	1.03	m_e mb	4.2
FBE	21.58		P	03:17:08.389	-0.2	353.7		10.37		TAS				m_e	
FLT1	20.00		P	03:16:50.842	-1.7	353.7		10.37		TAS		9.0	0.94	m_e mb	4.0
GEC2	23.67		P	03:17:29.954		353.7		10.37		TAS		6.4	0.86	m_e mb	4.2
GRA1	22.62		P	03:17:19.530	0.0	353.7		10.37		TAS		8.1	0.97	m_e mb	4.2
GTTG	20.69		P	03:16:58.474	0.2	353.7		10.37		TAS				m_e	
GUNZ	22.04		P	03:17:13.978	0.0	353.7		10.37		TAS				m_e	
KAST	20.95		P	03:17:01.553	-0.6	353.7		10.37		TAS		11.1	0.87	m_e mb	4.2
MANZ	22.40		P	03:17:17.348	-0.1	353.7		10.37		TAS				m_e	
MOX	21.71		P	03:17:10.155	-0.2	353.7		10.37		TAS				m_e	
NEUB	21.17		P	03:17:04.014	1.7	353.7		10.37		TAS		38.5	0.94	m_e mb	4.7
ROTZ	22.63		P	03:17:19.772	-0.5	353.7		10.37		TAS		1.4	1.02	m_e mb	3.4
TANN	22.00		P	03:17:13.954	-0.4	353.7		10.37		TAS		6.2	0.99	m_e mb	4.0
TNS	21.93		P	03:17:12.606	-0.5	353.7		10.37		TAS		9.6	0.93	m_e mb	4.2
UBBA	21.42		P	03:17:06.923	1.2	353.7		10.37		TAS		8.1	1.16	m_e mb	3.9
UBR	24.56		P	03:17:39.172		353.7		10.37		TAS		8.7	0.96	m_e mb	4.5
WERD	21.96		P	03:17:13.011	-0.0	353.7		10.37		TAS		5.1	0.91	m_e mb	4.0
WERN	22.12		P	03:17:14.554	0.1	353.7		10.37		TAS		17.5	1.02	m_e mb	4.4
WET	23.30		P	03:17:26.075		353.7		10.37		TAS				m_e	
WLF	22.41		P	03:17:16.724	0.0	353.7		10.37		TAS				m_e	

Event 71115003 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	05:00:27.02			-16.7190	-171.7940				197.8	1.8		29		144.27	149.09	m i ke	BGR
71115009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.62		PKPbc	05:19:58.044	-0.1	5.3		2.92		TAS					m_e
BFO	148.47		PKPbc	05:20:09.705	-0.7	5.3		2.92		TAS					m_e
BRG	145.62		PKPbc	05:20:01.266	0.4	5.3		2.92		TAS					m_e
BRG	145.62		pPKPbc	05:20:52.015	-0.7					T__					m_e
BUG	145.35		PKPbc	05:20:01.051	0.1	5.3		2.92		TAS					m_e
BUG	145.35		pPKPbc	05:20:51.492	-0.7					T__					m_e
CLL	145.28		PKPbc	05:20:00.128	-0.4	5.3		2.92		TAS					a_e
CLZ	144.92		PKPbc	05:19:59.107	-0.3	5.3		2.92		TAS					m_e
FBE	145.63		PKPbc	05:20:01.227	0.1	5.3		2.92		TAS					m_e
FLT1	144.39		PKPbc	05:19:57.128	-0.8	5.3		2.92		TAS					m_e
FUR	148.54		PKPbc	05:20:09.628	-0.4	5.3		2.92		TAS					m_e
GEC2	147.65		PKPbc	05:20:06.928	-0.6	5.3		2.92		TAS					a_e
GRA1	147.02		PKPbc	05:20:05.670	2.4	5.3		2.92		TAS					m_e
GTTG	145.23		PKPbc	05:20:00.173	0.5	5.3		2.92		TAS					m_e
GTTG	145.23		pPKPbc	05:20:50.858	-0.7					T__					m_e
GUNZ	146.28		PKPbc	05:20:03.455	0.0	5.3		2.92		TAS					m_e
IBBN	144.49		PKPbc	05:19:58.287	-0.1	5.3		2.92		TAS					m_e
KAST	145.60		PKPbc	05:20:00.988	-0.6	5.3		2.92		TAS					m_e
KAST	145.60		pPKPbc	05:20:51.994	-0.7					T__					m_e
MANZ	146.67		PKPbc	05:20:04.678	0.1	5.3		2.92		TAS					a_e
MOX	146.05		PKPbc	05:20:02.828	0.1	5.3		2.92		TAS					a_e
MOX	146.05		pPKPbc	05:20:53.075	-0.7					T__					m_e
NEUB	145.49		PKPbc	05:20:00.640	-0.0	5.3		2.92		TAS					m_e
NRDL	144.27		PKPbc	05:19:57.223	-0.4	5.3		2.92		TAS					m_e
ROTZ	146.88		PKPbc	05:20:05.278	0.1	5.3		2.92		TAS					a_e
STU	148.02		PKPbc	05:20:08.518	-0.0	5.3		2.92		TAS					m_e
TANN	146.21		PKPbc	05:20:03.278	0.0	5.3		2.92		TAS					a_e
TANN	146.21		pPKPbc	05:20:53.913	-0.7					T__					m_e
TNS	146.58		PKPbc	05:20:04.606	0.4	5.3		2.92		TAS					m_e
UBBA	145.95		PKPbc	05:20:02.316	-0.2	5.3		2.92		TAS					m_e
UBR	149.09		PKPbc	05:20:11.153	-0.7	5.3		2.92		TAS					m_e
WERD	146.19		PKPbc	05:20:03.178	0.0	5.3		2.92		TAS					a_e
WERD	146.19		pPKPbc	05:20:53.529	-0.7					T__					m_e
WERN	146.35		PKPbc	05:20:03.487	0.5	5.3		2.92		TAS					m_e
WET	147.44		PKPbc	05:20:06.619	-0.2	5.3		2.92		TAS					m_e
WLF	147.10		PKPbc	05:20:06.508	0.7	5.3		2.92		TAS					m_e

Event 71115004 Western Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	05:29:26.55			35.3860	132.7550				33.0					80.74	80.74	m i ke	BGR
OrigID 71115010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71115010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.74		P	05:41:35.482		53.5		5.07		TAS		12.8	0.90	m_e mb	4.9

Event 71115006 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	08:23:19.24			-22.2650	170.8010				25.0	0.4		17		146.11	150.46	m i ke	BGR
OrigID 71115012																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	71115012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.46		PKPbc	08:43:08.213		37.8		2.76		TAS				m_e	
BRG	146.22		PKPbc	08:42:56.172	-0.1	37.8		2.76		TAS				m_e	
BUG	148.19		PKPbc	08:43:02.007	-0.4	37.8		2.76		TAS				m_e	
CLL	146.26		PKPbc	08:42:56.199	-0.3	37.8		2.76		TAS				m_e	
CLL	146.26		pPKPbc	08:43:03.858	-0.0					T__				m_e	
CLZ	146.82		PKPbc	08:42:57.997	0.2	37.8		2.76		TAS				m_e	
FBE	146.42		PKPbc	08:42:56.729	0.1	37.8		2.76		TAS				m_e	
FLT1	146.11		PKPbc	08:42:55.690	0.3	37.8		2.76		TAS				m_e	
FUR	149.41		PKPbc	08:43:05.264		37.8		2.76		TAS				m_e	
GEC2	147.84		PKPbc	08:43:01.402		37.8		2.76		TAS				m_e	
GRA1	148.24		L	09:46:08.734						T__		281.5	18.10	a_e Ms	5.1
GTTG	147.21		PKPbc	08:42:59.124	-0.4	37.8		2.76		TAS				m_e	
GTTG	147.21		pPKPbc	08:43:06.544	-0.0					T__				m_e	
GUNZ	147.27		PKPbc	08:42:59.571	0.4	37.8		2.76		TAS				m_e	
KAST	148.02		PKPbc	08:43:01.139	-0.4	37.8		2.76		TAS				m_e	
MANZ	147.65		PKPbc	08:43:00.342	-0.6	37.8		2.76		TAS				m_e	
MOX	147.33		PKPbc	08:42:59.345	0.2	37.8		2.76		TAS				m_e	
MOX	147.33		L	09:45:42.156						T__		238.9	21.10	a_e Ms	5.0
NEUB	146.83		PKPbc	08:42:57.986	-0.4	37.8		2.76		TAS				m_e	
NEUB	146.83		pPKPbc	08:43:05.406	-0.0					T__				m_e	

NRDL	146.37	PKPbc	08:42:56.496	0.2	37.8	2.76	TAS	m_e
NRDL	146.37	pPKPbc	08:43:04.109	-0.0			T__	m_e
RJOB	149.06	PKPbc	08:43:04.029		37.8	2.76	TAS	m_e
ROTZ	147.78	PKPbc	08:43:00.654	-0.0	37.8	2.76	TAS	m_e
STU	149.77	PKPbc	08:43:06.598		37.8	2.76	TAS	m_e
TANN	147.17	PKPbc	08:42:59.089	-0.1	37.8	2.76	TAS	m_e
UBR	150.28	PKPbc	08:43:07.714		37.8	2.76	TAS	m_e
WERD	147.21	PKPbc	08:42:59.077	-0.0	37.8	2.76	TAS	m_e
WERN	147.31	PKPbc	08:42:59.348	0.3	37.8	2.76	TAS	m_e
WET	147.97	PKPbc	08:43:01.448	-0.0	37.8	2.76	TAS	m_e

Event 71115007 South of Aleutian Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	17:19:49.40			46.9910	-170.3800				34.0	1.1		19		80.89	85.62	m i ke	BGR
71115013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	71115013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	81.26		P	17:32:00.019	-1.0	1.1		5.14		TAS		3.1	0.85	m_e	mb	4.4
BRG	82.45		P	17:32:06.613	0.1	1.1		5.14		TAS		6.5	0.81	m_e	mb	4.8
CLL	82.04		P	17:32:03.995	0.3	1.1		5.14		TAS		4.9	0.91	m_e	mb	4.6
CLZ	81.55		P	17:32:01.462	-1.2	1.1		5.14		TAS		6.2	0.81	m_e	mb	4.8
FBE	82.42		P	17:32:06.403	-0.0	1.1		5.14		TAS		11.7	1.04	m_e	mb	5.0
FLT1	81.05		P	17:31:58.056	-1.2	1.1		5.14		TAS		3.0	0.68	m_e	mb	4.4
GEC2	84.48		P	17:32:17.348		1.1		5.14		TAS		2.6	0.83	m_e	mb	4.5
GEC2	84.48		pP	17:32:26.874						T__						m_e
GRA1	83.69		P	17:32:13.297		1.1		5.14		TAS		8.0	0.73	m_e	mb	5.0
GTTG	81.84		P	17:32:03.054	0.3	1.1		5.14		TAS						m_e
GTTG	81.84		pP	17:32:12.835						T__						m_e
GUNZ	83.00		P	17:32:09.790	0.2	1.1		5.14		TAS		2.8	0.82	m_e	mb	4.5
IBBN	81.07		P	17:31:58.782	-1.2	1.1		5.14		TAS		19.0	0.98	m_e	mb	5.1
IBBN	81.07		pP	17:32:08.712						T__						m_e
KAST	82.18		P	17:32:04.817	-0.7	1.1		5.14		TAS		4.1	0.98	m_e	mb	4.5
MANZ	83.38		P	17:32:11.815	-0.1	1.1		5.14		TAS		0.7	0.99	m_e	mb	3.9
MOX	82.73		P	17:32:07.666	0.2	1.1		5.14		TAS		5.6	0.86	m_e	mb	4.8
NEUB	82.18		P	17:32:04.950	-0.3	1.1		5.14		TAS						m_e
NEUB	82.18		pP	17:32:14.732						T__						m_e
NRDL	80.89		P	17:31:57.629	-1.2	1.1		5.14		TAS		3.9	0.88	m_e	mb	4.4
NRDL	80.89		pP	17:32:07.608						T__						m_e
RJOB	85.62		P	17:32:23.139		1.1		5.14		TAS		2.6	0.72	m_e	mb	4.4
ROTZ	83.60		P	17:32:13.001	0.0	1.1		5.14		TAS		0.5	0.79	m_e	mb	3.8
TANN	82.95		P	17:32:09.395	0.1	1.1		5.14		TAS		3.8	1.06	m_e	mb	4.6
TNS	83.16		P	17:32:10.333	0.6	1.1		5.14		TAS						m_e

NRDL	152.49	PKPbc	19:57:07.697	-0.3	99.3	2.41	TAS	m_e
RJOB	150.08	PKPbc	19:57:02.087		99.3	2.41	TAS	m_e
ROTZ	150.87	PKPbc	19:57:04.024	-0.8	99.3	2.41	TAS	m_e
TANN	150.81	PKPbc	19:57:03.484	0.1	99.3	2.41	TAS	m_e
TNS	153.34	PKPbc	19:57:09.905	-0.6	99.3	2.41	TAS	m_e
UBR	151.84	PKPbc	19:57:06.293		99.3	2.41	TAS	m_e
WERD	150.91	PKPbc	19:57:03.892	0.4	99.3	2.41	TAS	m_e
WERN	150.84	PKPbc	19:57:03.852	0.8	99.3	2.41	TAS	m_e
WET	150.32	PKPbc	19:57:02.290	0.0	99.3	2.41	TAS	m_e
WLF	154.75	PKPbc	19:57:13.468	-0.2	99.3	2.41	TAS	m_e

Event 71115011 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	20:23:04.24			-22.4430	171.7640				30.2	2.4		13		146.61	150.98	m i ke	BGR
71115017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.97		PKPbc	20:42:43.129		36.4		2.70		TAS					m_e
ASSE	146.97		pPKPbc	20:42:52.372	-0.1					T__					m_e
BFO	150.98		PKPbc	20:42:54.246		36.4		2.70		TAS					m_e
BRG	146.77		PKPbc	20:42:43.198	-0.5	36.4		2.70		TAS					m_e
CLL	146.80		PKPbc	20:42:42.974	0.6	36.4		2.70		TAS					m_e
CLL	146.80		pPKPbc	20:42:51.833	-0.1					T__					m_e
CLZ	147.32		PKPbc	20:42:44.118		36.4		2.70		TAS					m_e
CLZ	147.32		pPKPbc	20:42:53.811	-0.1					T__					m_e
FBE	146.97		PKPbc	20:42:43.198	-0.0	36.4		2.70		TAS					m_e
FLT1	146.61		PKPbc	20:42:42.043	-0.5	36.4		2.70		TAS					m_e
FLT1	146.61		pPKPbc	20:42:51.122	-0.1					T__					m_e
FUR	149.97		PKPbc	20:42:51.471		36.4		2.70		TAS					m_e
GEC2	148.42		PKPbc	20:42:47.431		36.4		2.70		TAS					m_e
GRA1	148.78		PKPbc	20:42:47.949	-0.5	36.4		2.70		TAS					m_e
GTTG	147.70		PKPbc	20:42:45.236		36.4		2.70		TAS					m_e
GUNZ	147.81		PKPbc	20:42:46.215		36.4		2.70		TAS					m_e
IBBN	147.74		PKPbc	20:42:45.403		36.4		2.70		TAS					m_e
KAST	148.50		PKPbc	20:42:47.867	0.6	36.4		2.70		TAS					m_e
MANZ	148.19		PKPbc	20:42:46.601		36.4		2.70		TAS					m_e
MANZ	148.19		pPKPbc	20:42:55.832	-0.1					T__					m_e
MOX	147.86		PKPbc	20:42:45.927	-0.5	36.4		2.70		TAS					m_e
MOX	147.86		pPKPbc	20:42:55.042	-0.1					T__					m_e
NEUB	147.35		PKPbc	20:42:44.131	0.6	36.4		2.70		TAS					m_e
NRDL	146.85		PKPbc	20:42:42.753	-0.1	36.4		2.70		TAS					m_e
NRDL	146.85		pPKPbc	20:42:52.061	-0.1					T__					m_e
RJOB	149.65		PKPbc	20:42:50.581		36.4		2.70		TAS					m_e

ROTZ	148.33	PKPbc	20:42:47.050	36.4	2.70	TAS	m_e	
TANN	147.72	PKPbc	20:42:45.830	36.4	2.70	TAS	m_e	
TANN	147.72	pPKPbc	20:42:54.741	-0.1		T__	m_e	
TNS	149.34	PKPbc	20:42:50.346	-0.5	36.4	2.70	TAS	m_e
TNS	149.34	pPKPbc	20:42:59.333	-0.1		T__	m_e	
UBBA	148.30	PKPbc	20:42:47.249	-0.5	36.4	2.70	TAS	m_e
UBR	150.83	PKPbc	20:42:53.790	36.4	2.70	TAS	m_e	
WERD	147.75	PKPbc	20:42:45.713	-0.5	36.4	2.70	TAS	m_e
WERD	147.75	pPKPbc	20:42:54.636	-0.1		T__	m_e	
WERN	147.85	PKPbc	20:42:46.536	36.4	2.70	TAS	m_e	
WERN	147.85	pPKPbc	20:42:54.909	-0.1		T__	m_e	
WET	148.54	PKPbc	20:42:47.467	-0.5	36.4	2.70	TAS	m_e
WLF	150.55	PKPbc	20:42:53.586	-0.5	36.4	2.70	TAS	m_e
WLF	150.55	pPKPbc	20:43:02.958	-0.1		T__	m_e	

Event 71115012 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	20:37:03.54			-22.7340	172.5170			23.4		1.4		15		147.14	151.52	m i ke	BGR
71115018																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.50		PKPbc	20:56:43.879		35.4		2.64		TAS					m_e
BFO	151.52		PKPbc	20:56:54.924		35.4		2.64		TAS					m_e
BRG	147.33		PKPbc	20:56:44.200	0.5	35.4		2.64		TAS					m_e
BRG	147.33		pPKPbc	20:56:50.920	0.0					T__					m_e
CLL	147.35		PKPbc	20:56:43.918	0.1	35.4		2.64		TAS					m_e
CLL	147.35		pPKPbc	20:56:50.552	0.0					T__					m_e
CLZ	147.84		PKPbc	20:56:45.452		35.4		2.64		TAS					m_e
FBE	147.52		PKPbc	20:56:44.397		35.4		2.64		TAS					m_e
FLT1	147.14		PKPbc	20:56:42.909	-0.7	35.4		2.64		TAS					m_e
FLT1	147.14		pPKPbc	20:56:50.261	0.0					T__					m_e
GEC2	149.00		PKPbc	20:56:48.469		35.4		2.64		TAS					m_e
GEC2	149.00		pPKPbc	20:56:55.726	0.0					T__					m_e
GTTG	148.22		PKPbc	20:56:46.392		35.4		2.64		TAS					m_e
GUNZ	148.36		PKPbc	20:56:46.703		35.4		2.64		TAS					m_e
IBBN	148.24		PKPbc	20:56:46.487		35.4		2.64		TAS					m_e
KAST	149.01		PKPbc	20:56:48.535		35.4		2.64		TAS					m_e
MANZ	148.75		PKPbc	20:56:47.896		35.4		2.64		TAS					m_e
MANZ	148.75		pPKPbc	20:56:54.894	0.0					T__					m_e
MOX	148.40		PKPbc	20:56:46.649	-0.1	35.4		2.64		TAS					m_e
NEUB	147.90		PKPbc	20:56:45.382	0.1	35.4		2.64		TAS					m_e
NRDL	147.37		PKPbc	20:56:43.704	0.0	35.4		2.64		TAS					m_e
NRDL	147.37		pPKPbc	20:56:50.961	0.0					T__					m_e

RJOB	150.23	PKPbc	20:56:51.418	35.4	2.64	TAS	m_e	
ROTZ	148.89	PKPbc	20:56:48.319	35.4	2.64	TAS	m_e	
TANN	148.27	PKPbc	20:56:46.515	-0.0	35.4	2.64	TAS	m_e
UBBA	148.83	PKPbc	20:56:48.075	0.1	35.4	2.64	TAS	m_e
UBR	151.40	PKPbc	20:56:54.618	35.4	2.64	TAS	m_e	
WERD	148.30	PKPbc	20:56:46.471	-0.5	35.4	2.64	TAS	m_e
WERD	148.30	pPKPbc	20:56:53.672	0.0		T__	m_e	
WERN	148.41	PKPbc	20:56:46.822	35.4	2.64	TAS	m_e	
WET	149.11	PKPbc	20:56:48.530	35.4	2.64	TAS	m_e	
WLF	151.05	PKPbc	20:56:54.263	35.4	2.64	TAS	m_e	

Event 71115013 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	21:10:18.35			-21.0470	171.1450				25.3	1.2		22		145.11	149.48	m i ke	BGR
71115019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.47		PKPbc	21:29:52.361	-0.6	36.3		2.88		TAS					m_e
ASSE	145.47		pPKPbc	21:30:00.178	0.1					T__					m_e
BFO	149.48		PKPbc	21:30:03.833		36.3		2.88		TAS					m_e
BRG	145.27		PKPbc	21:29:52.290	-0.2	36.3		2.88		TAS					m_e
CLL	145.30		PKPbc	21:29:51.867	0.1	36.3		2.88		TAS					m_e
CLZ	145.81		PKPbc	21:29:53.645	0.2	36.3		2.88		TAS					m_e
CLZ	145.81		pPKPbc	21:30:01.604	0.1					T__					m_e
FBE	145.47		PKPbc	21:29:53.019	-0.1	36.3		2.88		TAS					m_e
FLT1	145.11		PKPbc	21:29:51.318	-0.6	36.3		2.88		TAS					m_e
GEC2	146.92		PKPbc	21:29:57.081		36.3		2.88		TAS					m_e
GRA1	147.27		PKPbc	21:29:57.850		36.3		2.88		TAS					m_e
GTTG	146.20		PKPbc	21:29:54.824	0.2	36.3		2.88		TAS					m_e
GUNZ	146.31		PKPbc	21:29:55.358	0.5	36.3		2.88		TAS					m_e
IBBN	146.24		PKPbc	21:29:55.337	0.1	36.3		2.88		TAS					m_e
KAST	147.00		PKPbc	21:29:57.395	0.2	36.3		2.88		TAS					m_e
KAST	147.00		pPKPbc	21:30:04.695	0.1					T__					m_e
MANZ	146.69		PKPbc	21:29:56.524	-0.6	36.3		2.88		TAS					m_e
MOX	146.35		PKPbc	21:29:55.325	0.4	36.3		2.88		TAS					m_e
NEUB	145.85		PKPbc	21:29:54.117	0.6	36.3		2.88		TAS					m_e
NRDL	145.35		PKPbc	21:29:52.502	0.1	36.3		2.88		TAS					m_e
NRDL	145.35		pPKPbc	21:29:59.802	0.1					T__					m_e
RJOB	148.15		PKPbc	21:30:00.033		36.3		2.88		TAS					m_e
ROTZ	146.83		PKPbc	21:29:56.971	2.0	36.3		2.88		TAS					m_e
TANN	146.21		PKPbc	21:29:55.160	0.2	36.3		2.88		TAS					m_e
TNS	147.83		PKPbc	21:30:00.084	0.5	36.3		2.88		TAS					m_e
UBBA	146.80		PKPbc	21:29:56.823	-0.2	36.3		2.88		TAS					m_e

UBR	149.33	PKPbc	21:30:03.525		36.3	2.88	TAS									m_e
WERD	146.25	PKPbc	21:29:54.885	0.5	36.3	2.88	TAS									m_e
WERD	146.25	pPKPbc	21:30:02.493	0.1			T__									m_e
WERN	146.35	PKPbc	21:29:55.649	0.5	36.3	2.88	TAS									m_e
WET	147.04	PKPbc	21:29:57.246		36.3	2.88	TAS									m_e
WLF	149.05	PKPbc	21:30:03.836	-1.0	36.3	2.88	TAS									m_e

Event 71115014 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	21:42:57.80			-21.2060	172.6610				33.0			13		145.76	150.16	m i ke	BGR
	71115020																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.12		PKPbc	22:02:34.253	0.0	34.0		2.79		TAS					m_e
BFO	150.16		PKPbc	22:02:45.463		34.0		2.79		TAS					m_e
BRG	146.01		PKPbc	22:02:34.128	-0.9	34.0		2.79		TAS					m_e
BUG	147.74		PKPbc	22:02:39.213		34.0		2.79		TAS					m_e
CLL	146.01		PKPbc	22:02:34.027	0.4	34.0		2.79		TAS					m_e
CLZ	146.46		PKPbc	22:02:35.109	-0.1	34.0		2.79		TAS					m_e
FBE	146.19		PKPbc	22:02:34.171		34.0		2.79		TAS					m_e
FLT1	145.76		PKPbc	22:02:32.793	0.0	34.0		2.79		TAS					m_e
GEC2	147.70		PKPbc	22:02:39.059		34.0		2.79		TAS					m_e
GTTG	146.84		PKPbc	22:02:36.546		34.0		2.79		TAS					m_e
GUNZ	147.03		PKPbc	22:02:36.706		34.0		2.79		TAS					m_e
IBBN	146.82		PKPbc	22:02:36.469	0.0	34.0		2.79		TAS					m_e
KAST	147.62		PKPbc	22:02:38.561		34.0		2.79		TAS					m_e
MANZ	147.42		PKPbc	22:02:38.354		34.0		2.79		TAS					m_e
MOX	147.05		PKPbc	22:02:36.794		34.0		2.79		TAS					m_e
NEUB	146.54		PKPbc	22:02:35.401		34.0		2.79		TAS					m_e
NRDL	145.98		PKPbc	22:02:33.890	0.0	34.0		2.79		TAS					m_e
RJOB	148.95		PKPbc	22:02:42.435		34.0		2.79		TAS					m_e
ROTZ	147.56		PKPbc	22:02:38.405		34.0		2.79		TAS					m_e
TANN	146.94		PKPbc	22:02:36.358		34.0		2.79		TAS					m_e
TNS	148.47		PKPbc	22:02:41.208		34.0		2.79		TAS					m_e
UBBA	147.46		PKPbc	22:02:37.910		34.0		2.79		TAS					m_e
UBR	150.07		PKPbc	22:02:45.549		34.0		2.79		TAS					m_e
WERD	146.97		PKPbc	22:02:36.538		34.0		2.79		TAS					m_e
WERN	147.07		PKPbc	22:02:37.147		34.0		2.79		TAS					m_e
WET	147.80		PKPbc	22:02:39.059		34.0		2.79		TAS					m_e
WLF	149.65		PKPbc	22:02:44.697		34.0		2.79		TAS					m_e

Event 71115015 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	21:57:24.60			-20.8810	175.6640				33.0					148.70	148.70	m i ke	BGR
OrigID 71115021																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.70		PKPbc	22:17:08.059		36.5		2.11		TAS					m_e

Event 71115016 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/15	22:18:57.38			-21.5700	172.7030				33.0				17	146.12	150.51	m i ke	BGR
OrigID 71115022																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.47		PKPbc	22:38:34.675	-0.2	34.2		2.75		TAS					m_e
BFO	150.51		PKPbc	22:38:45.733		34.2		2.75		TAS					m_e
BRG	146.35		PKPbc	22:38:34.858	0.2	34.2		2.75		TAS					m_e
BUG	148.09		PKPbc	22:38:39.631		34.2		2.75		TAS					m_e
CLL	146.36		PKPbc	22:38:34.496	-0.1	34.2		2.75		TAS					m_e
CLZ	146.81		PKPbc	22:38:35.631		34.2		2.75		TAS					m_e
FBE	146.54		PKPbc	22:38:34.949	0.1	34.2		2.75		TAS					m_e
FLT1	146.12		PKPbc	22:38:33.485	-0.4	34.2		2.75		TAS					m_e
GEC2	148.04		PKPbc	22:38:39.203		34.2		2.75		TAS					m_e
GTTG	147.20		PKPbc	22:38:36.837		34.2		2.75		TAS					m_e
GUNZ	147.37		PKPbc	22:38:37.419	-0.3	34.2		2.75		TAS					m_e
IBBN	147.18		PKPbc	22:38:36.990	0.4	34.2		2.75		TAS					m_e
KAST	147.97		PKPbc	22:38:39.265		34.2		2.75		TAS					m_e
MANZ	147.76		PKPbc	22:38:38.654		34.2		2.75		TAS					m_e
MOX	147.40		PKPbc	22:38:37.282	0.3	34.2		2.75		TAS					m_e
NEUB	146.89		PKPbc	22:38:36.034		34.2		2.75		TAS					m_e
NRDL	146.33		PKPbc	22:38:34.521	-0.0	34.2		2.75		TAS					m_e
ROTZ	147.91		PKPbc	22:38:39.112		34.2		2.75		TAS					m_e
TANN	147.28		PKPbc	22:38:37.053	-0.1	34.2		2.75		TAS					m_e
TNS	148.83		PKPbc	22:38:41.521		34.2		2.75		TAS					m_e
UBBA	147.81		PKPbc	22:38:38.476		34.2		2.75		TAS					m_e
UBR	150.41		PKPbc	22:38:45.378		34.2		2.75		TAS					m_e
WERD	147.31		PKPbc	22:38:37.282	-0.1	34.2		2.75		TAS					m_e
WERN	147.42		PKPbc	22:38:37.694		34.2		2.75		TAS					m_e
WET	148.15		PKPbc	22:38:39.386		34.2		2.75		TAS					m_e

WLF 150.00 PKPbc 22:38:45.209 34.2 2.75 TAS m_e

Event 71115017 Southeast of Loyalty Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/15 22:32:30.40 -22.5400 172.2410 25.2 1.4 23 146.87 151.24 m i ke BGR
71115023

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for ASSE, BFO, BRG, CLL, CLZ, FBE, FLT1, GEC2, GTTG, GUNZ, IBBN, KAST, MANZ, MOX, NEUB, NRDL, RJOB, ROTZ, TANN, UBBA, UBR, WERD, WERN, WET.

Event 71115018 Southeast of Loyalty Islands

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

2017/11/15 23:32:34.54 -22.4160 174.1060 33.0 12 146.22 151.76 m i ke BGR
71115024

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.70		PKPbc	23:52:15.148		32.5		2.61		TAS					m_e
BFO	151.76		PKPbc	23:52:25.848		32.5		2.61		TAS					m_e
BRG	147.65		PKPbc	23:52:15.395	0.0	32.5		2.61		TAS					m_e
BSEG	146.22		PKPbc	23:52:11.153	-0.5	32.5		2.61		TAS					m_e
CLL	147.64		PKPbc	23:52:14.593	0.3	32.5		2.61		TAS					m_e
CLZ	148.04		PKPbc	23:52:16.501		32.5		2.61		TAS					m_e
FBE	147.83		PKPbc	23:52:15.563		32.5		2.61		TAS					m_e
FLT1	147.35		PKPbc	23:52:13.988		32.5		2.61		TAS					m_e
GEC2	149.37		PKPbc	23:52:19.580		32.5		2.61		TAS					m_e
GRA1	149.61		PKPbc	23:52:20.440		32.5		2.61		TAS					m_e
GTTG	148.43		PKPbc	23:52:17.283		32.5		2.61		TAS					m_e
GUNZ	148.66		PKPbc	23:52:17.918		32.5		2.61		TAS					m_e
IBBN	148.36		PKPbc	23:52:17.024		32.5		2.61		TAS					m_e
KAST	149.18		PKPbc	23:52:18.949		32.5		2.61		TAS					m_e
MANZ	149.05		PKPbc	23:52:19.064		32.5		2.61		TAS					m_e
MOX	148.67		PKPbc	23:52:18.032		32.5		2.61		TAS					m_e
NEUB	148.16		PKPbc	23:52:16.363		32.5		2.61		TAS					m_e
NRDL	147.55		PKPbc	23:52:14.478		32.5		2.61		TAS					m_e
RJOB	150.62		PKPbc	23:52:22.685		32.5		2.61		TAS					m_e
ROTZ	149.20		PKPbc	23:52:19.638		32.5		2.61		TAS					m_e
TANN	148.57		PKPbc	23:52:17.803		32.5		2.61		TAS					m_e
TNS	150.05		PKPbc	23:52:21.762		32.5		2.61		TAS					m_e
UBBA	149.05		PKPbc	23:52:19.099		32.5		2.61		TAS					m_e
UBR	151.71		PKPbc	23:52:25.772		32.5		2.61		TAS					m_e
WERD	148.60		PKPbc	23:52:17.636		32.5		2.61		TAS					m_e
WERN	148.71		PKPbc	23:52:18.319		32.5		2.61		TAS					m_e
WET	149.46		PKPbc	23:52:19.897		32.5		2.61		TAS					m_e
WLF	151.19		PKPbc	23:52:25.102		32.5		2.61		TAS					m_e

Event 71116001 Southeast of Loyalty Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/15 23:52:24.08 -23.0800 170.0960 33.0 12 146.60 150.70 m i ke BGR
71116007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.97		PKPbc	00:12:03.140		39.6		2.71		TAS					m_e
BRG	146.64		PKPbc	00:12:02.307	0.7	39.6		2.71		TAS					m_e

BUG	148.72	PKPbc	00:12:08.109		39.6	2.71	TAS										m_e
CLL	146.71	PKPbc	00:12:02.290	-0.2	39.6	2.71	TAS										m_e
FBE	146.85	PKPbc	00:12:02.804		39.6	2.71	TAS										m_e
FLT1	146.60	PKPbc	00:12:02.009	-0.7	39.6	2.71	TAS										m_e
GEC2	148.22	PKPbc	00:12:07.503		39.6	2.71	TAS										m_e
GUNZ	147.70	PKPbc	00:12:05.960	0.4	39.6	2.71	TAS										m_e
MANZ	148.08	PKPbc	00:12:06.892	0.4	39.6	2.71	TAS										m_e
RJOB	149.44	PKPbc	00:12:10.556		39.6	2.71	TAS										m_e
ROTZ	148.21	PKPbc	00:12:07.362	-1.1	39.6	2.71	TAS										m_e
TANN	147.61	PKPbc	00:12:05.335	0.5	39.6	2.71	TAS										m_e
UBR	150.70	PKPbc	00:12:13.378		39.6	2.71	TAS										m_e
WERD	147.65	PKPbc	00:12:05.249	0.9	39.6	2.71	TAS										m_e
WERN	147.74	PKPbc	00:12:05.833	-0.1	39.6	2.71	TAS										m_e
WET	148.38	PKPbc	00:12:07.951		39.6	2.71	TAS										m_e

Event 71116002 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	01:42:39.83			41.7060	81.7980				33.0					48.26	48.26	m i ke	BGR
71116008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	71116008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.26		P	01:51:16.611		76.4		6.83		TAS		9.6	0.72	m_e mb	5.0

Event 71116003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	03:00:25.30			-22.2400	170.9140				69.7	2.7		21		146.13	150.48	m i ke	BGR
71116009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	146.49		PKPbc	03:19:52.302	-0.2	37.6		2.77		TAS						m_e
BFO	150.48		PKPbc	03:20:03.804		37.6		2.77		TAS						m_e
BFO	150.48		pPKPbc	03:20:22.972						T__						m_e
BRG	146.24		PKPbc	03:19:52.361	0.2	37.6		2.77		TAS						m_e
BRG	146.24		pPKPbc	03:20:12.144						T__						m_e
CLL	146.29		PKPbc	03:19:51.391	-0.8	37.6		2.77		TAS						m_e
CLZ	146.84		PKPbc	03:19:53.314	0.2	37.6		2.77		TAS						m_e

CLZ	146.84	pPKPbc	03:20:13.679							T__						m_e
FBE	146.44	PKPbc	03:19:52.684	0.3	37.6			2.77		TAS						m_e
FBE	146.44	pPKPbc	03:20:12.217							T__						m_e
FLT1	146.13	PKPbc	03:19:51.003	-0.8	37.6			2.77		TAS						m_e
GEC2	147.86	PKPbc	03:19:56.887		37.6			2.77		TAS						m_e
GRA1	148.26	PKPbc	03:19:57.662		37.6			2.77		TAS						m_e
GTTG	147.22	PKPbc	03:19:54.526	0.4	37.6			2.77		TAS						m_e
GTTG	147.22	pPKPbc	03:20:14.955							T__						m_e
GUNZ	147.29	PKPbc	03:19:55.335	0.2	37.6			2.77		TAS						m_e
IBBN	147.30	PKPbc	03:19:54.663	-0.0	37.6			2.77		TAS						m_e
KAST	148.04	PKPbc	03:19:56.865	0.2	37.6			2.77		TAS						m_e
MANZ	147.67	PKPbc	03:19:56.240	0.2	37.6			2.77		TAS						m_e
MOX	147.35	PKPbc	03:19:55.084	-0.2	37.6			2.77		TAS						m_e
NEUB	146.85	PKPbc	03:19:53.783	0.1	37.6			2.77		TAS						m_e
NEUB	146.85	pPKPbc	03:20:13.565							T__						m_e
RJOB	149.09	PKPbc	03:19:59.711		37.6			2.77		TAS						m_e
RJOB	149.09	pPKPbc	03:20:19.752							T__						m_e
ROTZ	147.80	PKPbc	03:19:56.305	0.0	37.6			2.77		TAS						m_e
ROTZ	147.80	pPKPbc	03:20:15.946							T__						m_e
TANN	147.20	PKPbc	03:19:54.882	0.4	37.6			2.77		TAS						m_e
TANN	147.20	pPKPbc	03:20:14.653							T__						m_e
TNS	148.86	PKPbc	03:19:59.369		37.6			2.77		TAS						m_e
UBBA	147.81	PKPbc	03:19:56.622	0.2	37.6			2.77		TAS						m_e
UBR	150.30	PKPbc	03:20:03.093		37.6			2.77		TAS						m_e
WERD	147.23	PKPbc	03:19:54.559	0.2	37.6			2.77		TAS						m_e
WERN	147.33	PKPbc	03:19:55.303		37.6			2.77		TAS						m_e
WET	148.00	PKPbc	03:19:57.080		37.6			2.77		TAS						m_e
WLF	150.10	PKPbc	03:20:03.203		37.6			2.77		TAS						m_e

Event 71116004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	03:27:43.05			-21.2070	170.0050				319.7	3.1		31		143.85	149.20	m i ke	BGR
71116010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.22		PKPbc	03:47:15.718	-0.1	38.2		2.92		TAS					m_e
ASSE	145.22		pPKPbc	03:48:34.954	-0.7					T__					m_e
BFO	149.20		PKPbc	03:47:27.256	-0.8	38.2		2.92		TAS					m_e
BRG	144.94		PKPbc	03:47:15.895	0.4	38.2		2.92		TAS					a_e
BSEG	143.85		PKPbc	03:47:11.395	-1.2	38.2		2.92		TAS					m_e
BUG	146.95		PKPbc	03:47:21.565	0.8	38.2		2.92		TAS					m_e
BUG	146.95		pPKPbc	03:48:40.373	-0.7					T__					m_e
CLL	145.00		PKPbc	03:47:15.045	-0.6	38.2		2.92		TAS					a_e

CLZ	145.56	PKPbc	03:47:16.930	0.3	38.2	2.92	TAS	m_e
FBE	145.15	PKPbc	03:47:16.145	0.1	38.2	2.92	TAS	a_e
FBE	145.15	pPKPbc	03:48:34.689	-0.7			T__	m_e
FLT1	144.85	PKPbc	03:47:14.595	-0.7	38.2	2.92	TAS	a_e
FLT1	144.85	pPKPbc	03:48:33.380	-0.7			T__	m_e
FUR	148.13	PKPbc	03:47:24.317	-0.3	38.2	2.92	TAS	m_e
GEC2	146.56	PKPbc	03:47:20.245	-0.1	38.2	2.92	TAS	a_e
GEC2	146.56	pPKPbc	03:48:38.933	-0.7			T__	m_e
GRA1	146.97	PKPbc	03:47:21.695	0.3	38.2	2.92	TAS	a_e
GTTG	145.95	PKPbc	03:47:18.285	0.3	38.2	2.92	TAS	m_e
GUNZ	146.00	PKPbc	03:47:18.736	0.5	38.2	2.92	TAS	m_e
GUNZ	146.00	pPKPbc	03:48:36.875	-0.7			T__	m_e
IBBN	146.05	PKPbc	03:47:18.484	-0.2	38.2	2.92	TAS	m_e
KAST	146.78	PKPbc	03:47:21.195	0.2	38.2	2.92	TAS	a_e
KAST	146.78	pPKPbc	03:48:39.645	-0.7			T__	m_e
MANZ	146.38	PKPbc	03:47:19.945	0.3	38.2	2.92	TAS	a_e
MANZ	146.38	pPKPbc	03:48:38.961	-0.7			T__	m_e
MOX	146.06	PKPbc	03:47:18.845	0.1	38.2	2.92	TAS	a_e
NEUB	145.57	PKPbc	03:47:17.345	0.0	38.2	2.92	TAS	a_e
NRDL	145.12	PKPbc	03:47:15.411	-0.2	38.2	2.92	TAS	m_e
NRDL	145.12	pPKPbc	03:48:34.489	-0.7			T__	m_e
RJOB	147.78	PKPbc	03:47:23.245	-0.7	38.2	2.92	TAS	m_e
ROTZ	146.51	PKPbc	03:47:20.395	0.3	38.2	2.92	TAS	a_e
STU	148.51	PKPbc	03:47:25.795	-0.1	38.2	2.92	TAS	a_e
TANN	145.90	PKPbc	03:47:18.495	0.2	38.2	2.92	TAS	a_e
TNS	147.59	PKPbc	03:47:23.545	0.2	38.2	2.92	TAS	a_e
TNS	147.59	pPKPbc	03:48:41.440	-0.7			T__	m_e
UBBA	146.53	PKPbc	03:47:20.106	0.5	38.2	2.92	TAS	m_e
UBBA	146.53	pPKPbc	03:48:38.016	-0.7			T__	m_e
UBR	149.01	PKPbc	03:47:26.645	-0.7	38.2	2.92	TAS	a_e
WERD	145.94	PKPbc	03:47:18.595	0.2	38.2	2.92	TAS	a_e
WERN	146.04	PKPbc	03:47:18.900	0.4	38.2	2.92	TAS	m_e
WET	146.70	PKPbc	03:47:20.845	0.2	38.2	2.92	TAS	a_e
WLF	148.84	PKPbc	03:47:27.395	0.3	38.2	2.92	TAS	a_e
WLF	148.84	pPKPbc	03:48:45.439	-0.7			T__	m_e

Event 71116005 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	03:35:20.97			-20.2890	171.6800				33.0				7	144.59	148.86	m i ke	BGR
71116011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	71116011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	144.94	PKPbc	03:54:53.560	-0.5	34.9	2.95	TAS										m_e
BRG	144.80	PKPbc	03:54:53.748		34.9	2.95	TAS										m_e
CLL	144.81	PKPbc	03:54:53.407		34.9	2.95	TAS										m_e
CLZ	145.29	PKPbc	03:54:54.726	-0.5	34.9	2.95	TAS										m_e
FBE	144.99	PKPbc	03:54:54.004		34.9	2.95	TAS										m_e
FLT1	144.59	PKPbc	03:54:52.413	0.5	34.9	2.95	TAS										m_e
GEC2	146.48	PKPbc	03:54:58.374		34.9	2.95	TAS										m_e
GRA1	146.79	PKPbc	03:54:59.042		34.9	2.95	TAS										m_e
GRA1	146.79	L	05:04:09.421				T__			171.5	19.30	a_e	Ms			4.8	
GTTG	145.67	PKPbc	03:54:55.926	-0.5	34.9	2.95	TAS										m_e
GUNZ	145.82	PKPbc	03:54:56.427		34.9	2.95	TAS										m_e
IBBN	145.68	PKPbc	03:54:56.187	-0.5	34.9	2.95	TAS										m_e
KAST	146.46	PKPbc	03:54:58.764	-0.5	34.9	2.95	TAS										m_e
MANZ	146.21	PKPbc	03:54:57.470		34.9	2.95	TAS										m_e
MOX	145.86	PKPbc	03:54:56.418	-0.5	34.9	2.95	TAS										m_e
MOX	145.86	L	04:53:39.652				T__			202.2	19.90	a_e	Ms			4.9	
NEUB	145.35	PKPbc	03:54:55.082	-0.5	34.9	2.95	TAS										m_e
NRDL	144.81	PKPbc	03:54:53.355	-0.5	34.9	2.95	TAS										m_e
ROTZ	146.35	PKPbc	03:54:57.706		34.9	2.95	TAS										m_e
TANN	145.73	PKPbc	03:54:56.011		34.9	2.95	TAS										m_e
TNS	147.30	PKPbc	03:55:00.857		34.9	2.95	TAS										m_e
UBBA	146.28	PKPbc	03:54:57.668	-0.5	34.9	2.95	TAS										m_e
UBR	148.86	PKPbc	03:55:05.125		34.9	2.95	TAS										m_e
WERD	145.76	PKPbc	03:54:55.945		34.9	2.95	TAS										m_e
WERN	145.87	PKPbc	03:54:56.767		34.9	2.95	TAS										m_e
WET	146.58	PKPbc	03:54:58.744		34.9	2.95	TAS										m_e
WLF	148.50	PKPbc	03:55:04.851		34.9	2.95	TAS										m_e

Event 71116006 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	03:39:57.29			-20.7390	172.7620				108.4	1.9		15		145.36	149.75	m i ke	BGR
71116012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.71		PKPbc	03:59:31.929	0.2	33.5		2.84		TAS					m_e
BFO	149.75		PKPbc	03:59:43.539		33.5		2.84		TAS					m_e
BRG	145.62		PKPbc	03:59:32.410	0.3	33.5		2.84		TAS					m_e
CLL	145.62		PKPbc	03:59:31.509	-0.1	33.5		2.84		TAS					m_e
CLL	145.62		pPKPbc	04:00:01.005						T__					m_e
CLZ	146.06		PKPbc	03:59:33.032	0.2	33.5		2.84		TAS					m_e
FBE	145.80		PKPbc	03:59:32.732	0.2	33.5		2.84		TAS					m_e
FBE	145.80		pPKPbc	04:00:01.558						T__					m_e
FLT1	145.36		PKPbc	03:59:30.673	-0.4	33.5		2.84		TAS					m_e

GEC2	147.33	PKPbc	03:59:36.554		33.5	2.84	TAS	m_e
GRA1	147.59	PKPbc	03:59:37.686	-0.9	33.5	2.84	TAS	m_e
GTTG	146.44	PKPbc	03:59:33.748		33.5	2.84	TAS	m_e
GUNZ	146.64	PKPbc	03:59:35.048		33.5	2.84	TAS	m_e
IBBN	146.41	PKPbc	03:59:33.720	0.2	33.5	2.84	TAS	m_e
KAST	147.21	PKPbc	03:59:36.606		33.5	2.84	TAS	m_e
MANZ	147.03	PKPbc	03:59:36.464		33.5	2.84	TAS	m_e
MOX	146.66	PKPbc	03:59:34.791	0.1	33.5	2.84	TAS	m_e
MOX	146.66	pPKPbc	04:00:04.121				T__	m_e
NEUB	146.15	PKPbc	03:59:33.633	0.6	33.5	2.84	TAS	m_e
NRDL	145.57	PKPbc	03:59:31.469	0.2	33.5	2.84	TAS	m_e
NRDL	145.57	pPKPbc	04:00:01.132				T__	m_e
RJOB	148.57	PKPbc	03:59:39.691		33.5	2.84	TAS	m_e
ROTZ	147.17	PKPbc	03:59:36.464		33.5	2.84	TAS	m_e
TANN	146.55	PKPbc	03:59:34.285	-0.9	33.5	2.84	TAS	m_e
TNS	148.06	PKPbc	03:59:39.019	-0.9	33.5	2.84	TAS	m_e
UBBA	147.06	PKPbc	03:59:35.840	0.2	33.5	2.84	TAS	m_e
UBR	149.68	PKPbc	03:59:43.241		33.5	2.84	TAS	m_e
WERD	146.58	PKPbc	03:59:34.340	-0.1	33.5	2.84	TAS	m_e
WERN	146.68	PKPbc	03:59:35.305		33.5	2.84	TAS	m_e
WERN	146.68	pPKPbc	04:00:04.267				T__	m_e
WET	147.42	PKPbc	03:59:36.978		33.5	2.84	TAS	m_e
WLF	149.23	PKPbc	03:59:42.701	-0.9	33.5	2.84	TAS	m_e
WLF	149.23	pPKPbc	04:00:11.655				T__	m_e

Event 71116007 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	05:27:07.64			-20.0680	176.4320				33.0					148.17	148.17	m i ke	BGR
71116013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.17		PKPbc	05:46:49.638		34.7		2.17		TAS					m_e

Event 71116008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	07:26:16.07			-21.7560	172.7270				33.0				10	146.30	150.69	m i ke	BGR
71116014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.65		PKPbc	07:45:54.412		34.3		2.73		TAS				m_e	
BFO	150.69		PKPbc	07:46:05.058		34.3		2.73		TAS				m_e	
BRG	146.53		PKPbc	07:45:54.290		34.3		2.73		TAS				m_e	
CLL	146.54		PKPbc	07:45:53.975	0.1	34.3		2.73		TAS				m_e	
CLZ	147.00		PKPbc	07:45:55.400		34.3		2.73		TAS				m_e	
FBE	146.72		PKPbc	07:45:54.704		34.3		2.73		TAS				m_e	
FLT1	146.30		PKPbc	07:45:53.202	-0.2	34.3		2.73		TAS				m_e	
GEC2	148.22		PKPbc	07:45:58.459		34.3		2.73		TAS				m_e	
GTTG	147.38		PKPbc	07:45:56.410		34.3		2.73		TAS				m_e	
GUNZ	147.55		PKPbc	07:45:56.734		34.3		2.73		TAS				m_e	
IBBN	147.37		PKPbc	07:45:56.493		34.3		2.73		TAS				m_e	
KAST	148.16		PKPbc	07:45:58.790		34.3		2.73		TAS				m_e	
MANZ	147.94		PKPbc	07:45:58.253		34.3		2.73		TAS				m_e	
MOX	147.58		PKPbc	07:45:56.805		34.3		2.73		TAS				m_e	
NEUB	147.07		PKPbc	07:45:55.213		34.3		2.73		TAS				m_e	
NRDL	146.52		PKPbc	07:45:53.753	0.1	34.3		2.73		TAS				m_e	
ROTZ	148.08		PKPbc	07:45:58.396		34.3		2.73		TAS				m_e	
TANN	147.46		PKPbc	07:45:56.810		34.3		2.73		TAS				m_e	
TNS	149.01		PKPbc	07:46:01.027		34.3		2.73		TAS				m_e	
UBR	150.59		PKPbc	07:46:05.313		34.3		2.73		TAS				m_e	
WERD	147.49		PKPbc	07:45:56.861		34.3		2.73		TAS				m_e	
WERN	147.60		PKPbc	07:45:57.171		34.3		2.73		TAS				m_e	
WET	148.32		PKPbc	07:45:58.649		34.3		2.73		TAS				m_e	
WLF	150.19		PKPbc	07:46:04.447		34.3		2.73		TAS				m_e	

Event 71116009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	07:37:19.59			-22.2270	171.3460				18.3	1.1		9		146.27	150.63	m i ke	BGR
	71116015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.63		PKPbc	07:56:56.702	-0.3	36.9		2.74		TAS				m_e	
BFO	150.63		PKPbc	07:57:08.412		36.9		2.74		TAS				m_e	
BRG	146.41		PKPbc	07:56:56.696		36.9		2.74		TAS				m_e	
BUG	148.32		PKPbc	07:57:02.175		36.9		2.74		TAS				m_e	
CLL	146.44		PKPbc	07:56:56.530		36.9		2.74		TAS				m_e	
CLL	146.44		pPKPbc	07:57:01.921						T__				m_e	
CLZ	146.97		PKPbc	07:56:58.262	0.3	36.9		2.74		TAS				m_e	
FBE	146.61		PKPbc	07:56:57.152		36.9		2.74		TAS				m_e	
FBE	146.61		pPKPbc	07:57:02.492						T__				m_e	
FLT1	146.27		PKPbc	07:56:56.105	0.3	36.9		2.74		TAS				m_e	

GEC2	148.04	PKPbc	07:57:01.280		36.9		2.74	TAS		m_e
GRA1	148.42	PKPbc	07:57:02.317		36.9		2.74	TAS		m_e
GTTG	147.36	PKPbc	07:56:59.229		36.9		2.74	TAS		m_e
GTTG	147.36	pPKPbc	07:57:04.776					T__		m_e
GUNZ	147.45	PKPbc	07:56:59.317	0.3	36.9		2.74	TAS		m_e
IBBN	147.42	PKPbc	07:56:59.450	-0.3	36.9		2.74	TAS		m_e
KAST	148.17	PKPbc	07:57:01.535		36.9		2.74	TAS		m_e
MANZ	147.84	PKPbc	07:57:00.630		36.9		2.74	TAS		m_e
MOX	147.50	PKPbc	07:56:59.714		36.9		2.74	TAS		m_e
MOX	147.50	pPKPbc	07:57:04.950					T__		m_e
NEUB	147.00	PKPbc	07:56:58.147		36.9		2.74	TAS		m_e
NRDL	146.52	PKPbc	07:56:56.411	-0.3	36.9		2.74	TAS		m_e
RJOB	149.27	PKPbc	07:57:04.495		36.9		2.74	TAS		m_e
ROTZ	147.97	PKPbc	07:57:01.228		36.9		2.74	TAS		m_e
TANN	147.36	PKPbc	07:56:58.999		36.9		2.74	TAS		m_e
TANN	147.36	pPKPbc	07:57:04.824					T__		m_e
TNS	149.00	PKPbc	07:57:03.971		36.9		2.74	TAS		m_e
UBBA	147.95	PKPbc	07:57:00.857		36.9		2.74	TAS		m_e
UBR	150.47	PKPbc	07:57:07.752		36.9		2.74	TAS		m_e
WERD	147.39	PKPbc	07:56:59.213		36.9		2.74	TAS		m_e
WERN	147.49	PKPbc	07:56:59.643		36.9		2.74	TAS		m_e
WERN	147.49	pPKPbc	07:57:05.293					T__		m_e
WET	148.17	PKPbc	07:57:01.734		36.9		2.74	TAS		m_e
WLF	150.22	PKPbc	07:57:07.826		36.9		2.74	TAS		m_e

Event 71116010 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	08:23:58.59			-19.1240	175.6790				33.0					147.06	147.06	m i ke	BGR
71116016																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.06		PKPbc	08:43:37.412		35.4		2.31		TAS					m_e

Event 71116011 Marshall Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	08:49:43.71			10.0100	172.1260				33.0					118.24	118.24	m i ke	BGR
71116017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	118.24		PKPdf	09:08:27.272		19.2		1.82		TAS				m_e	

Event 71116012 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	09:43:25.96			31.6630	142.2290				33.0			29		85.16	90.32	m i ke	BGR
OrigID 71116018																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71116018
Ms	5.2		BGR	71116018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.41		P	09:56:03.010	-0.3	40.0		4.77		TAS		14.8	0.84	m_e mb	5.1
BFO	90.32		P	09:56:21.726	-0.2	40.0		4.77		TAS		29.5	0.75	m_e mb	5.6
BRG	86.02		P	09:56:01.682	0.8	40.0		4.77		TAS		53.8	0.68	m_e mb	5.8
BSEG	85.16		P	09:55:57.178	-0.1	40.0		4.77		TAS		27.6	0.77	m_e mb	5.6
BUG	88.27		P	09:56:11.881	-0.2	40.0		4.77		TAS		19.4	0.75	m_e mb	5.5
CLL	86.09		P	09:56:01.363	-0.4	40.0		4.77		TAS		122.4	0.74	m_e mb	6.1
CLZ	86.75		P	09:56:05.231	0.3	40.0		4.77		TAS		48.1	0.77	m_e mb	5.7
FBE	86.24		P	09:56:02.572	0.1	40.0		4.77		TAS		5886.8	2.19	m_e mb	7.3
FLT1	86.03		P	09:56:00.805	-0.7	40.0		4.77		TAS		86.6	0.70	m_e mb	6.0
GEC2	87.64		P	09:56:08.942	-0.2	40.0		4.77		TAS				m_e	
GRA1	88.06		P	09:56:11.977	0.8	40.0		4.77		TAS				m_e	
GRA1	88.06		L	10:39:39.924						T__		1172.5	19.70	a_e Ms	5.3
GTTG	87.14		P	09:56:06.963	0.2	40.0		4.77		TAS		48.8	0.72	m_e mb	5.7
GUNZ	87.08		P	09:56:06.479	-0.0	40.0		4.77		TAS		26.6	0.74	m_e mb	5.5
IBBN	87.39		P	09:56:07.929	0.3	40.0		4.77		TAS		80.9	0.73	m_e mb	5.9
KAST	88.02		P	09:56:10.913	0.4	40.0		4.77		TAS				m_e	
MANZ	87.46		P	09:56:08.153	-0.2	40.0		4.77		TAS		4.7	0.71	m_e mb	4.7
MOX	87.17		P	09:56:06.517	-0.4	40.0		4.77		TAS				m_e	
MOX	87.17		L	10:36:23.818						T__		754.5	21.70	a_e Ms	5.1
NEUB	86.69		P	09:56:04.711	0.1	40.0		4.77		TAS		65.4	0.76	m_e mb	5.8
NRDL	86.35		P	09:56:02.697	-0.3	40.0		4.77		TAS		18.5	0.85	m_e mb	5.2
RJOB	88.87		P	09:56:15.129	0.1	40.0		4.77		TAS		31.8	0.74	m_e mb	5.6
ROTZ	87.59		P	09:56:09.214	0.3	40.0		4.77		TAS				m_e	
TANN	86.99		P	09:56:05.921	-0.1	40.0		4.77		TAS				m_e	
TNS	88.78		P	09:56:14.690	0.1	40.0		4.77		TAS				m_e	
UBBA	87.69		P	09:56:09.454	0.1	40.0		4.77		TAS				m_e	
UBR	90.08		P	09:56:20.244	-0.6	40.0		4.77		TAS		17.9	0.77	m_e mb	5.4
WERD	87.03		P	09:56:05.921	-0.3	40.0		4.77		TAS				m_e	
WERN	87.12		P	09:56:06.944	0.2	40.0		4.77		TAS		25.8	0.71	m_e mb	5.5
WET	87.77		P	09:56:09.832	0.0	40.0		4.77		TAS		8.1	0.79	m_e mb	5.1
WLF	90.12		P	09:56:21.081	0.1	40.0		4.77		TAS				m_e	

Event 71116013 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	10:04:12.53			-21.8790	172.6610				33.0			13		146.39	150.78	m i ke	BGR
OrigID 71116019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.75		PKPbc	10:23:50.605		34.5		2.72		TAS					m_e
BFO	150.78		PKPbc	10:24:01.682	0.1	34.5		2.72		TAS					m_e
BRG	146.62		PKPbc	10:23:50.513	-0.3	34.5		2.72		TAS					m_e
BUG	148.38		PKPbc	10:23:55.384		34.5		2.72		TAS					m_e
CLL	146.62		PKPbc	10:23:50.092	0.1	34.5		2.72		TAS					m_e
CLZ	147.09		PKPbc	10:23:51.498		34.5		2.72		TAS					m_e
FBE	146.81		PKPbc	10:23:50.761		34.5		2.72		TAS					m_e
FLT1	146.39		PKPbc	10:23:49.681	-0.5	34.5		2.72		TAS					m_e
GEC2	148.30		PKPbc	10:23:54.953		34.5		2.72		TAS					m_e
GRA1	148.60		PKPbc	10:23:55.746	0.1	34.5		2.72		TAS					m_e
GTTG	147.47		PKPbc	10:23:52.754		34.5		2.72		TAS					m_e
GUNZ	147.64		PKPbc	10:23:53.605		34.5		2.72		TAS					m_e
IBBN	147.47		PKPbc	10:23:53.187		34.5		2.72		TAS					m_e
KAST	148.25		PKPbc	10:23:54.869		34.5		2.72		TAS					m_e
MANZ	148.03		PKPbc	10:23:54.715		34.5		2.72		TAS					m_e
MOX	147.67		PKPbc	10:23:53.503	0.1	34.5		2.72		TAS					m_e
NEUB	147.16		PKPbc	10:23:51.847		34.5		2.72		TAS					m_e
NRDL	146.61		PKPbc	10:23:50.509	-0.1	34.5		2.72		TAS					m_e
RJOB	149.54		PKPbc	10:23:58.283		34.5		2.72		TAS					m_e
ROTZ	148.17		PKPbc	10:23:54.834		34.5		2.72		TAS					m_e
TANN	147.55		PKPbc	10:23:53.368		34.5		2.72		TAS					m_e
TNS	149.10		PKPbc	10:23:57.529	0.1	34.5		2.72		TAS					m_e
UBBA	148.08		PKPbc	10:23:54.606	0.1	34.5		2.72		TAS					m_e
UBR	150.68		PKPbc	10:24:01.415		34.5		2.72		TAS					m_e
WERD	147.58		PKPbc	10:23:53.169		34.5		2.72		TAS					m_e
WERN	147.69		PKPbc	10:23:53.526		34.5		2.72		TAS					m_e
WET	148.41		PKPbc	10:23:55.305	0.1	34.5		2.72		TAS					m_e
WLF	150.29		PKPbc	10:24:01.298	0.1	34.5		2.72		TAS					m_e

Event 71116014 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	10:38:14.18			-19.6920	171.1490				33.0					146.04	146.04	m i ke	BGR
OrigID																	

71116020

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	10:57:50.042		43.0		2.64		TAS					m_e

Event 71116015 Off coast of Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	12:54:55.61			14.8930	-95.4580				74.4	0.4		6		87.10	91.02	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 71116021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	87.97		P	13:07:41.959		292.2		4.69		TAS		7.1	0.96	m_e mb	5.0
BFO	87.91		P	13:07:41.365		292.2		4.69		TAS		6.8	0.84	m_e mb	5.0
BSEG	87.10		P	13:07:37.836	-0.3	292.2		4.69		TAS		17.7	1.05	m_e mb	5.1
BSEG	87.10		pP	13:07:58.134						T__				m_e	
CLZ	87.90		P	13:07:41.699	0.4	292.2		4.69		TAS		8.1	0.85	m_e mb	5.1
FLT1	88.21		P	13:07:43.152	0.4	292.2		4.69		TAS		7.1	1.03	m_e mb	4.9
GEC2	91.02		P	13:07:55.976	0.6	292.2		4.69		TAS		5.0	0.93	m_e mb	4.8
GTTG	87.77		P	13:07:41.204	0.6	292.2		4.69		TAS		21.1	0.84	m_e mb	5.5
GUNZ	89.60		P	13:07:49.671	0.6	292.2		4.69		TAS		3.4	0.78	m_e mb	4.6
NRDL	87.51		P	13:07:39.725	0.4	292.2		4.69		TAS		9.4	0.94	m_e mb	5.1
TANN	89.66		P	13:07:49.934	0.6	292.2		4.69		TAS		3.4	0.81	m_e mb	4.6
TNS	87.34		P	13:07:38.890	0.6	292.2		4.69		TAS		28.7	0.84	m_e mb	5.4
UBR	89.26		P	13:07:47.646		292.2		4.69		TAS		7.0	0.91	m_e mb	4.9
WERD	89.55		P	13:07:49.447	0.6	292.2		4.69		TAS		2.1	0.86	m_e mb	4.4
WERD	89.55		pP	13:08:09.876						T__				m_e	
WERN	89.66		P	13:07:49.715		292.2		4.69		TAS		2.6	0.79	m_e mb	4.5
WERN	89.66		pP	13:08:09.965						T__				m_e	
WET	90.41		P	13:07:53.215	0.6	292.2		4.69		TAS		4.5	0.79	m_e mb	4.8

Event 71116016 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/16	14:52:41.28			-19.2600	172.2430				33.0					146.05	146.05	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.05		PKPbc	15:12:17.138		41.0		2.52		TAS				m_e	

Event 71117001 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
2017/11/17	01:02:50.36			37.6080	141.1840				43.8					82.48	82.48	m i ke	BGR
OrigID 71117007																	

Magnitude	Err	Nsta	Author	OrigID
mb 5.1			BGR	71117007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.48		P	01:15:08.365		40.5		4.48		TAS		13.2	0.88	m_e mb	5.1
GRA1	82.48		pP	01:15:21.034						T__				m_e	

Event 71117002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	01:53:45.10			-23.1200	-177.8700				294.0					152.53	152.53	m i ke	EMSC
OrigID 71117034																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.53		PKP	02:13:07.158		18.4		1.69		TAS				m_e	

Event 71117003 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	03:33:11.70			-20.8600	168.9700				10.0					146.24	146.24	m i ke	EMSC
OrigID 71117035																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.24		PKP	03:52:51.042		39.6		3.12		TAS				m_e	

Event 71117004 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	05:25:53.60			-30.4700	-177.9100				10.0					159.60	159.60	m i ke	EMSC
OrigID 71117036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.60		PKP	05:46:31.474		23.1		3.77		TAS				m_e	

Event 71117006 Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	13:40:45.17			-0.6620	-78.5530				70.4					90.35	90.35	m i ke	BGR
OrigID 71117012																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 71117012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.35		P	13:53:43.360		261.0		5.40		TAS		11.8	1.22	m_e mb	5.0
GRA1	90.35		pP	13:54:02.776						T__				m_e	

Event 71117007 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	15:18:41.20			-21.7600	168.6100				10.0				32	144.30	149.15	m i ke	EMSC
OrigID 71117039																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.82		PKPbc	15:38:24.196	-1.0	40.9		2.95		TAS				a_e	
ASSE	145.22		PKPbc	15:38:16.546	0.0	40.9		2.95		TAS				a_e	
BFO	149.15		PKPbc	15:38:27.674		40.9		2.95		TAS				m_e	
BRG	144.84		PKPbc	15:38:16.046	-0.2	40.9		2.95		TAS				a_e	
BUG	147.00		PKPbc	15:38:22.746	-0.2	40.9		2.95		TAS				a_e	
CLL	144.92		PKPbc	15:38:15.296	-0.1	40.9		2.95		TAS				a_e	
CLZ	145.56		PKPbc	15:38:17.896	0.2	40.9		2.95		TAS				a_e	
FLT1	144.84		PKPbc	15:38:14.796	-0.1	40.9		2.95		TAS				a_e	

FUR	148.00	PKPbc	15:38:25.046	-0.7	40.9	2.95	TAS	a_e
GEC2	146.39	PKPbc	15:38:20.496	0.2	40.9	2.95	TAS	a_e
GOR1	144.30	PKPbc	15:38:13.346	-0.6	40.9	2.95	TAS	a_e
GRA1	146.88	PKPbc	15:38:21.946	-0.2	40.9	2.95	TAS	a_e
GRA1	146.88	pPKPbc	15:38:29.054	-1.4			T__	m_e
GTTG	145.95	PKPbc	15:38:19.096	-0.2	40.9	2.95	TAS	a_e
GUNZ	145.91	PKPbc	15:38:19.096	-0.1	40.9	2.95	TAS	a_e
IBBN	146.11	PKPbc	15:38:19.246	-0.0	40.9	2.95	TAS	a_e
IBBN	146.11	pPKPbc	15:38:26.903	-1.4			T__	m_e
KAST	146.80	PKPbc	15:38:22.546	1.0	40.9	2.95	TAS	a_e
MANZ	146.28	PKPbc	15:38:20.296	1.2	40.9	2.95	TAS	a_e
MOX	146.00	PKPbc	15:38:19.146	0.2	40.9	2.95	TAS	a_e
NEUB	145.51	PKPbc	15:38:17.546	0.2	40.9	2.95	TAS	a_e
NRDL	145.13	PKPbc	15:38:16.146	0.2	40.9	2.95	TAS	a_e
PLN	145.89	PKPbc	15:38:18.996	0.1	40.9	2.95	TAS	a_e
RETH	145.20	PKPbc	15:38:16.396	0.2	40.9	2.95	TAS	a_e
RJOB	147.60	PKPbc	15:38:25.446	0.0	40.9	2.95	TAS	a_e
ROTZ	146.40	PKPbc	15:38:20.596	0.8	40.9	2.95	TAS	a_e
STU	148.44	PKPbc	15:38:25.996		40.9	2.95	TAS	a_e
TANN	145.81	PKPbc	15:38:18.796	0.3	40.9	2.95	TAS	m_e
TNS	147.58	PKPbc	15:38:23.746	-0.3	40.9	2.95	TAS	a_e
TNS	147.58	pPKPbc	15:38:31.046	-1.4			T__	m_e
UBR	148.89	PKPbc	15:38:26.846		40.9	2.95	TAS	a_e
UBR	148.89	pPKPbc	15:38:34.271	-1.4			T__	m_e
WERD	145.85	PKPbc	15:38:18.746	0.3	40.9	2.95	TAS	a_e
WERN	145.94	PKPbc	15:38:19.346	0.2	40.9	2.95	TAS	a_e
WET	146.56	PKPbc	15:38:21.046	0.1	40.9	2.95	TAS	a_e
WET	146.56	pPKPbc	15:38:28.482	-1.4			T__	m_e
WLF	148.88	PKPbc	15:38:27.496		40.9	2.95	TAS	a_e
WLF	148.88	pPKPbc	15:38:34.972	-1.4			T__	m_e

Event 71117008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	17:38:46.61			-22.0410	171.8760				23.2	1.3		27		145.69	150.65	m i ke	BGR
71117014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.64		PKPbc	17:58:28.062	-0.1	35.6		2.76		TAS					m_e
ASSE	146.64		pPKPbc	17:58:35.233						T__					m_e
BFO	150.65		PKPbc	17:58:39.451		35.6		2.76		TAS					m_e
BRG	146.45		PKPbc	17:58:28.131	-0.3	35.6		2.76		TAS					m_e
CLL	146.48		PKPbc	17:58:27.297	0.6	35.6		2.76		TAS					m_e
CLZ	146.98		PKPbc	17:58:29.939	0.1	35.6		2.76		TAS					m_e

FLT1	146.28	PKPbc	17:58:26.950	-0.3	35.6	2.76	TAS	m_e
GEC2	148.11	PKPbc	17:58:32.355	-0.6	35.6	2.76	TAS	m_e
GRA1	148.46	PKPbc	17:58:33.043		35.6	2.76	TAS	m_e
GRA1	148.46	pPKPbc	17:58:40.368				T__	m_e
GTTG	147.37	PKPbc	17:58:30.982	-0.1	35.6	2.76	TAS	m_e
GUNZ	147.49	PKPbc	17:58:30.913	0.0	35.6	2.76	TAS	m_e
GUNZ	147.49	pPKPbc	17:58:37.863				T__	m_e
HLG	145.69	PKPbc	17:58:26.026	-0.6	35.6	2.76	TAS	m_e
IBBN	147.40	PKPbc	17:58:30.704	0.2	35.6	2.76	TAS	m_e
IBBN	147.40	pPKPbc	17:58:37.903				T__	m_e
MANZ	147.88	PKPbc	17:58:32.194	-0.3	35.6	2.76	TAS	m_e
MANZ	147.88	pPKPbc	17:58:38.792				T__	m_e
MOX	147.53	PKPbc	17:58:31.178	0.0	35.6	2.76	TAS	m_e
NEUB	147.03	PKPbc	17:58:29.453	0.1	35.6	2.76	TAS	m_e
NEUB	147.03	pPKPbc	17:58:36.165				T__	m_e
NRDL	146.51	PKPbc	17:58:27.923	0.1	35.6	2.76	TAS	m_e
PLN	147.46	PKPbc	17:58:30.495	0.4	35.6	2.76	TAS	m_e
RETH	146.54	PKPbc	17:58:27.992	0.6	35.6	2.76	TAS	m_e
RJOB	149.35	PKPbc	17:58:35.434		35.6	2.76	TAS	m_e
ROTZ	148.01	PKPbc	17:58:32.157	0.3	35.6	2.76	TAS	m_e
STU	149.97	PKPbc	17:58:37.471		35.6	2.76	TAS	m_e
TANN	147.40	PKPbc	17:58:30.565	0.5	35.6	2.76	TAS	m_e
TNS	149.00	PKPbc	17:58:35.298		35.6	2.76	TAS	m_e
UBR	150.52	PKPbc	17:58:38.831		35.6	2.76	TAS	m_e
WERD	147.43	PKPbc	17:58:30.634	0.4	35.6	2.76	TAS	m_e
WERD	147.43	pPKPbc	17:58:37.632				T__	m_e
WERN	147.53	PKPbc	17:58:31.260	-0.2	35.6	2.76	TAS	m_e
WERN	147.53	pPKPbc	17:58:38.125				T__	m_e
WET	148.23	PKPbc	17:58:32.838	-0.2	35.6	2.76	TAS	m_e

Event 71117009 Eastern Xizang-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/17	22:34:15.34			28.6800	95.4500				33.0			36		62.73	68.29	m i ke	BGR
71117015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	71117015
Ms	6.4		BGR	71117015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	67.45		S	22:54:03.205		73.8		12.26		TAS				m_e	
AHRW	67.45		P	22:45:08.435		75.1		6.51		TAS		65.6	0.86	a_e mb	5.9
ASSE	64.83		S	22:53:30.538		73.8		12.26		TAS				m_e	
ASSE	64.83		P	22:44:50.885		75.1		6.51		TAS		34.0	1.03	a_e mb	5.5
BFO	67.35		S	22:54:01.694		73.8		12.26		TAS				m_e	

BFO	67.35	P	22:45:07.435		75.1	6.51	TAS	83.4	0.96	a_e	mb	5.9
BRG	63.15	S	22:53:09.956	0.3	73.8	12.26	TAS			m_e		
BRG	63.15	P	22:44:40.785	0.1	75.1	6.51	TAS	33.9	0.58	a_e	mb	5.8
BSEG	64.59	S	22:53:29.594		73.8	12.26	TAS			m_e		
BSEG	64.59	P	22:44:49.985		75.1	6.51	TAS	209.3	1.00	a_e	mb	6.3
BUG	67.06	S	22:53:57.729		73.8	12.26	TAS			m_e		
BUG	67.06	P	22:45:05.835		75.1	6.51	TAS	170.1	1.20	a_e	mb	6.2
CLL	63.63	S	22:53:14.865	1.3	73.8	12.26	TAS			m_e		
CLL	63.63	P	22:44:42.785	-0.3	75.1	6.51	TAS	114.1	1.20	a_e	mb	5.9
CLZ	65.09	S	22:53:33.370		73.8	12.26	TAS			m_e		
CLZ	65.09	P	22:44:53.085		75.1	6.51	TAS	151.9	0.74	m_e	mb	6.3
FLT1	64.45	S	22:53:25.062		73.8	12.26	TAS			m_e		
FLT1	64.45	P	22:44:48.035		75.1	6.51	TAS	173.2	1.21	a_e	mb	6.2
FUR	65.52	S	22:53:41.490		73.8	12.26	TAS			m_e		
FUR	65.52	P	22:44:56.285		75.1	6.51	TAS	181.6	0.69	a_e	mb	6.4
GEC2	63.79	S	22:53:20.341	-0.3	73.8	12.26	TAS			m_e		
GEC2	63.79	P	22:44:44.635	-0.5	75.1	6.51	TAS	70.0	0.93	a_e	mb	5.8
GOR1	64.25	P	22:44:47.635	0.0	75.1	6.51	TAS		1.33	a_e		
GRA1	65.14	S	22:53:36.202		73.8	12.26	TAS			m_e		
GRA1	65.14	ScS	22:54:55.647	-1.9			T__			m_e		
GRA1	65.14	SS	22:57:43.320	-1.9			T__			m_e		
GRA1	65.14	P	22:44:53.885		75.1	6.51	TAS	102.7	0.91	a_e	mb	6.1
GRA1	65.14	PKPPKPdf	23:13:50.909	-1.9	246.5	3.22	TAS			m_e		
GRA1	65.14	L	23:15:44.397				T__	28065.8	21.90	a_e	Ms	6.4
GTTG	65.41	S	22:53:36.014		73.8	12.26	TAS			m_e		
GTTG	65.41	P	22:44:55.085		75.1	6.51	TAS	91.0	0.95	a_e	mb	6.0
GUNZ	64.27	P	22:44:47.635	-0.6	75.1	6.51	TAS		0.61	a_e		
HLG	65.91	S	22:53:44.322		73.8	12.26	TAS			m_e		
HLG	65.91	P	22:44:58.535		75.1	6.51	TAS			a_e		
IBBN	66.51	S	22:53:49.987		73.8	12.26	TAS			m_e		
IBBN	66.51	P	22:45:02.135		75.1	6.51	TAS	243.1	1.18	a_e	mb	6.3
KAST	66.44	S	22:53:50.365		73.8	12.26	TAS			m_e		
KAST	66.44	P	22:45:01.260		75.1	6.51	TAS	23.9	0.77	m_e	mb	5.5
MANZ	64.51	S	22:53:28.649		73.8	12.26	TAS			m_e		
MANZ	64.51	P	22:44:49.685		75.1	6.51	TAS	6.3	0.73	a_e	mb	4.9
MOX	64.64	S	22:53:28.649		73.8	12.26	TAS			m_e		
MOX	64.64	P	22:44:49.935		75.1	6.51	TAS	79.7	1.10	a_e	mb	5.9
NEUB	64.41	S	22:53:24.684		73.8	12.26	TAS			m_e		
NEUB	64.41	P	22:44:48.185	-0.0	75.1	6.51	TAS	242.4	1.25	a_e	mb	6.3
NRDL	65.08	S	22:53:33.370		73.8	12.26	TAS			m_e		
NRDL	65.08	P	22:44:53.285		75.1	6.51	TAS	205.8	1.01	a_e	mb	6.3
PLN	64.35	P	22:44:48.035	-0.1	75.1	6.51	TAS		0.99	a_e		
RETH	65.45	P	22:44:55.285		75.1	6.51	TAS		1.15	a_e		
RGN	62.73	S	22:53:05.424	1.3	73.8	12.26	TAS			m_e		
RGN	62.73	P	22:44:38.635	1.2	75.1	6.51	TAS			a_e		
RJOB	64.65	S	22:53:29.405		73.8	12.26	TAS			m_e		
RJOB	64.65	P	22:44:50.058		75.1	6.51	TAS	88.6	0.77	m_e	mb	6.1
ROTZ	64.50	S	22:53:28.649		73.8	12.26	TAS			m_e		
ROTZ	64.50	P	22:44:49.635		75.1	6.51	TAS	25.2	0.86	a_e	mb	5.5

Station	Mag	Type	Time	Lat	Long	Smaj	Smin	Az	Depth	Def	Err	Nsta	Gap	Mdist	Mdist	Qual	Author
RUE	62.90	S	22:53:05.801	-1.6	73.8				12.26	TAS							
RUE	62.90	P	22:44:37.985	-0.8	75.1				6.51	TAS	79.3	0.55		a_e mb		6.2	
STU	66.67	S	22:53:54.519		73.8				12.26	TAS							
STU	66.67	P	22:45:03.435		75.1				6.51	TAS							
TANN	64.18	S	22:53:22.607	-0.2	73.8				12.26	TAS							
TANN	64.18	P	22:44:46.935	0.4	75.1				6.51	TAS	89.1	1.05		a_e mb		5.8	
TNS	66.71	S	22:53:53.575		73.8				12.26	TAS							
TNS	66.71	P	22:45:03.535		75.1				6.51	TAS	41.0	0.63		a_e mb		5.8	
UBR	66.41	S	22:53:49.987		73.8				12.26	TAS							
UBR	66.41	P	22:45:01.285		75.1				6.51	TAS	35.2	0.64		a_e mb		5.7	
WERD	64.27	P	22:44:47.385	0.6	75.1				6.51	TAS				0.65	a_e		
WERN	64.26	P	22:44:47.635	0.5	75.1				6.51	TAS				0.80	a_e		
WET	64.24	S	22:53:24.495	-2.0	73.8				12.26	TAS							
WET	64.24	P	22:44:47.535	0.1	75.1				6.51	TAS	54.3	0.75		a_e mb		5.8	
WLF	68.29	S	22:54:14.912		73.8				12.26	TAS							
WLF	68.29	P	22:45:14.335		75.1				6.51	TAS	229.5	1.01		a_e mb		6.4	

Event 71118001 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	00:32:13.26			31.1260	94.3780				33.0					62.77	62.77	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	71118007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	62.77		P	00:42:34.592		78.6		5.81		TAS		6.8	0.81	m_e mb	4.8

Event 71118002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	01:31:04.20			-22.6200	169.5300				21.3	1.4		33		145.00	150.29	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.94		PKPbc	01:50:50.393	0.3	37.1		2.89		TAS				a_e	
AHRW	148.94		PKPab	01:50:53.304	0.3					T__				m_e	
ASSE	146.34		PKPbc	01:50:42.693	-0.1	37.1		2.89		TAS				a_e	
BFO	150.29		PKPbc	01:50:53.279	-0.6	37.1		2.89		TAS				m_e	
BFO	150.29		PKPab	01:50:58.545	0.3					T__				m_e	

BRG	145.99	PKPbc	01:50:42.219	0.3	37.1	2.89	TAS	m_e
BSEG	145.00	PKPbc	01:50:37.743	-0.1	37.1	2.89	TAS	a_e
BUG	148.11	PKPbc	01:50:47.743	0.1	37.1	2.89	TAS	a_e
CLL	146.07	PKPbc	01:50:41.393	0.3	37.1	2.89	TAS	a_e
CLZ	146.69	PKPbc	01:50:44.043	-0.6	37.1	2.89	TAS	a_e
CLZ	146.69	pPKPbc	01:50:50.381	0.3			T__	m_e
FLT1	145.97	PKPbc	01:50:40.943	0.4	37.1	2.89	TAS	a_e
FUR	149.17	PKPbc	01:50:50.741		37.1	2.89	TAS	m_e
FUR	149.17	PKPab	01:50:54.650	0.3			T__	m_e
GEC2	147.56	PKPbc	01:50:46.593	-0.4	37.1	2.89	TAS	a_e
GEC2	147.56	pPKPbc	01:50:53.413	0.3			T__	m_e
GOR1	145.42	PKPbc	01:50:39.643	-0.1	37.1	2.89	TAS	a_e
GRA1	148.03	PKPbc	01:50:48.093	0.0	37.1	2.89	TAS	a_e
GRA1	148.03	pPKPbc	01:50:54.132	0.3			T__	m_e
GTTG	147.07	PKPbc	01:50:45.193	0.2	37.1	2.89	TAS	a_e
GUNZ	147.06	PKPbc	01:50:45.293	0.2	37.1	2.89	TAS	m_e
IBBN	147.22	PKPbc	01:50:45.343	0.4	37.1	2.89	TAS	a_e
KAST	147.91	PKPbc	01:50:47.393	0.3	37.1	2.89	TAS	a_e
MANZ	147.44	PKPbc	01:50:46.238	0.4	37.1	2.89	TAS	m_e
MOX	147.14	PKPbc	01:50:45.343	0.2	37.1	2.89	TAS	a_e
NEUB	146.65	PKPbc	01:50:43.693	0.2	37.1	2.89	TAS	a_e
NRDL	146.25	PKPbc	01:50:42.293	-0.6	37.1	2.89	TAS	a_e
PLN	147.04	PKPbc	01:50:45.143	0.4	37.1	2.89	TAS	a_e
PLN	147.04	pPKPbc	01:50:51.492	0.3			T__	m_e
RETH	146.32	PKPbc	01:50:42.493	0.1	37.1	2.89	TAS	a_e
RJOB	148.78	PKPbc	01:50:49.605		37.1	2.89	TAS	m_e
RJOB	148.78	PKPab	01:50:53.675	0.3			T__	m_e
ROTZ	147.56	PKPbc	01:50:46.650	0.1	37.1	2.89	TAS	m_e
STU	149.59	PKPbc	01:50:52.143	-0.7	37.1	2.89	TAS	a_e
STU	149.59	PKPab	01:50:56.103	0.3			T__	m_e
TANN	146.97	PKPbc	01:50:44.943	0.4	37.1	2.89	TAS	a_e
TNS	148.71	PKPbc	01:50:49.893	0.4	37.1	2.89	TAS	a_e
TNS	148.71	PKPab	01:50:52.424	0.3			T__	m_e
UBR	150.05	PKPbc	01:50:52.993		37.1	2.89	TAS	a_e
WERD	147.01	PKPbc	01:50:44.943	0.5	37.1	2.89	TAS	a_e
WERN	147.10	PKPbc	01:50:45.493	0.3	37.1	2.89	TAS	a_e
WET	147.72	PKPbc	01:50:47.143	-0.8	37.1	2.89	TAS	a_e
WLF	150.00	PKPbc	01:50:53.643	-0.1	37.1	2.89	TAS	a_e
WLF	150.00	PKPab	01:50:57.836	0.3			T__	m_e

Event 71118004 Iran-Iraq border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	04:12:17.80			34.5000	45.6500				27.0					29.41	29.41	m i ke	EMSC
71118036																	

Magnitude Err Nsta Author OrigID
mb 4.2 BGR 71118010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	29.41		P	04:18:17.118		108.0		9.22		TAS		3.6	0.82	m_e	mb 4.2

Event 71118005 Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	04:23:50.18			-2.4990	-78.5390				33.0					91.73	91.73	m i ke	BGR
OrigID 71118011																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 71118011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	91.73		P	04:36:54.806		259.8		5.37		TAS		10.2	1.28	m_e	mb 5.0

Event 71118006 Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	05:55:06.57			9.0570	-70.2210				33.0					77.62	77.62	m i ke	BGR
OrigID 71118012																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 71118012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.62		P	06:06:59.742		263.5		6.13		TAS		21.4	1.59	m_e	mb 5.0

Event 71118007 Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	16:07:02.70			2.5700	128.1800				10.0					105.08	105.08	m i ke	EMSC
OrigID 71118039																	

Magnitude Err Nsta Author OrigID
Ms 5.6 BGR 71118013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	105.08	PP	16:25:30.242
GRA1	105.08	L	17:12:01.873

T__		m_e	
T__	1677.8	21.10	a_e Ms 5.6

Event 71118008 Mexico-Guatemala border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/18	17:07:29.08			15.0780	-92.1240				33.0			33		83.91	88.85	m i ke	BGR
71118014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71118014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.23		P	17:19:56.960	-0.3	289.8		4.85		TAS		130.4	0.95	a_e mb	6.1
ASSE	85.89		P	17:20:04.960	-0.3	289.8		4.85		TAS		46.5	0.89	a_e mb	5.6
BFO	85.67		P	17:20:03.310		289.8		4.85		TAS		29.9	0.92	a_e mb	5.4
BRG	88.25		P	17:20:16.410	0.1	289.8		4.85		TAS		24.6	0.99	a_e mb	5.5
BSEG	85.10		P	17:20:00.760	0.2	289.8		4.85		TAS		107.5	0.86	a_e mb	6.1
BUG	84.09		P	17:19:55.810	0.1	289.8		4.85		TAS		87.7	1.20	a_e mb	5.9
CLL	87.54		P	17:20:12.860	0.1	289.8		4.85		TAS		18.7	0.82	a_e mb	5.5
CLZ	85.81		P	17:20:04.660	0.1	289.8		4.85		TAS		48.3	0.85	a_e mb	5.7
FLT1	86.15		P	17:20:05.610	0.1	289.8		4.85		TAS		52.3	0.93	a_e mb	5.7
GEC2	88.85		P	17:20:18.760	-0.3	289.8		4.85		TAS		29.5	0.98	a_e mb	5.5
GOR1	85.97		P	17:20:05.060	0.0	289.8		4.85		TAS		49.8	1.19	a_e mb	5.5
GRA1	87.03		P	17:20:10.910	-0.1	289.8		4.85		TAS		41.8	0.94	a_e mb	5.5
GTTG	85.67		P	17:20:03.860	-0.1	289.8		4.85		TAS		89.1	0.88	a_e mb	5.9
GUNZ	87.47		P	17:20:12.110	0.5	289.8		4.85		TAS		19.4	0.79	a_e mb	5.3
IBBN	84.13		P	17:19:56.010	0.2	289.8		4.85		TAS		141.8	0.97	a_e mb	6.2
KAST	84.85		P	17:19:59.660	0.4	289.8		4.85		TAS		75.9	1.02	a_e mb	5.9
MANZ	87.47		P	17:20:12.960	0.5	289.8		4.85		TAS		3.0	0.80	a_e mb	4.5
MOX	86.95		P	17:20:10.195	0.2	289.8		4.85		TAS				m_e	
NEUB	86.85		P	17:20:09.560	0.2	289.8		4.85		TAS		30.9	0.73	a_e mb	5.5
NRDL	85.44		P	17:20:02.710	-0.5	289.8		4.85		TAS		68.0	0.92	a_e mb	5.9
PLN	87.33		P	17:20:12.010	-0.4	289.8		4.85		TAS		11.1	0.72	a_e mb	5.1
RETH	84.94		P	17:20:00.410	-0.3	289.8		4.85		TAS		115.8	0.94	a_e mb	6.1
RJOB	88.69		P	17:20:18.110		289.8		4.85		TAS		18.4	1.04	a_e mb	5.2
ROTZ	87.61		P	17:20:13.760	-0.1	289.8		4.85		TAS		2.2	0.70	a_e mb	4.6
RUE	87.56		P	17:20:12.553	-0.4	289.8		4.85		TAS		15.9	0.60	m_e mb	5.5
STU	86.08		P	17:20:05.610	0.1	289.8		4.85		TAS		169.2	0.78	a_e mb	6.2
TANN	87.53		P	17:20:12.460	0.0	289.8		4.85		TAS		18.5	0.83	a_e mb	5.5
TNS	85.17		P	17:20:01.360	0.3	289.8		4.85		TAS		153.0	0.81	m_e mb	6.3
UBBA	85.92		P	17:20:05.360	0.2	289.8		4.85		TAS		24.1	1.03	a_e mb	5.3
UBR	87.00		P	17:20:10.360		289.8		4.85		TAS		49.8	1.13	a_e mb	5.5
WERD	87.43		P	17:20:12.456	-0.2	289.8		4.85		TAS		10.6	0.86	m_e mb	5.0
WERN	87.53		P	17:20:12.560	0.6	289.8		4.85		TAS		21.3	0.89	a_e mb	5.5
WET	88.24		P	17:20:16.110	-0.5	289.8		4.85		TAS		29.1	0.85	a_e mb	5.6

WLF 83.91 P 17:19:55.510 -0.4 289.8 4.85 TAS 75.4 0.95 a_e mb 5.9

Event 71118009 Halmahera, Indonesia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/18 18:36:42.70 2.4700 128.1400 15.0 105.14 105.14 m i ke EMSC
71118041

Magnitude Err Nsta Author OrigID
Ms 5.0 BGR 71118015

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 105.14 PP 18:55:10.103 T__ m_e
GRA1 105.14 L 19:41:52.050 T__ 420.3 18.70 a_e Ms 5.0

Event 71119001 Norfolk Island, Australia, region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/19 09:04:03.29 -27.2540 169.4430 33.0 26 149.87 154.33 m i ke BGR
71119007

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
ASSE 150.48 PKPbc 09:23:50.237 -0.2 42.2 2.83 TAS m_e
BFO 154.33 PKPbc 09:24:00.825 42.2 2.83 TAS m_e
BRG 149.96 PKPbc 09:23:50.022 -0.6 42.2 2.83 TAS m_e
CLL 150.09 PKPbc 09:23:49.216 -0.4 42.2 2.83 TAS m_e
CLZ 150.82 PKPbc 09:23:51.472 0.1 42.2 2.83 TAS m_e
FLT1 150.10 PKPbc 09:23:48.705 -0.3 42.2 2.83 TAS m_e
GRA1 152.04 PKPbc 09:23:55.317 -0.8 42.2 2.83 TAS m_e
GTTG 151.21 PKPbc 09:23:52.711 -0.7 42.2 2.83 TAS m_e
GUNZ 151.06 PKPbc 09:23:52.523 0.3 42.2 2.83 TAS m_e
HLG 149.87 PKPbc 09:23:49.887 -0.1 42.2 2.83 TAS m_e
IBBN 151.46 PKPbc 09:23:52.711 -0.4 42.2 2.83 TAS m_e
KAST 152.09 PKPbc 09:23:58.246 42.2 2.83 TAS m_e
MANZ 151.42 PKPbc 09:23:53.786 0.2 42.2 2.83 TAS m_e
MOX 151.18 PKPbc 09:23:52.630 -0.9 42.2 2.83 TAS m_e
NEUB 150.71 PKPbc 09:23:50.989 0.2 42.2 2.83 TAS m_e
NRDL 150.43 PKPbc 09:23:49.887 0.1 42.2 2.83 TAS m_e
PLN 151.05 PKPbc 09:23:52.093 0.4 42.2 2.83 TAS m_e
ROTZ 151.53 PKPbc 09:23:54.028 3.0 42.2 2.83 TAS m_e
STU 153.62 PKPbc 09:23:59.831 42.2 2.83 TAS m_e

TANN	150.96	PKPbc	09:23:52.144	-0.0	42.2	2.83	TAS	m_e
UBBA	151.75	PKPbc	09:23:53.568	-0.1	42.2	2.83	TAS	m_e
UBR	153.98	PKPbc	09:24:00.341		42.2	2.83	TAS	m_e
WERD	151.01	PKPbc	09:23:52.010	0.0	42.2	2.83	TAS	m_e
WERN	151.09	PKPbc	09:23:52.523	0.3	42.2	2.83	TAS	m_e
WET	151.63	PKPbc	09:23:54.538	0.2	42.2	2.83	TAS	m_e
WLF	154.19	PKPbc	09:24:01.067		42.2	2.83	TAS	m_e

Event 71119002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	09:25:44.56			-22.4600	170.4800				17.1	2.2		28		145.10	150.52	m i ke	BGR
71119008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	71119008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.11		PKPdf	09:45:28.738						T__				m_e	
AHRW	149.11		PKPbc	09:45:31.973	-0.2	36.6		2.92		TAS				a_e	
AHRW	149.11		pPKPbc	09:45:36.428						T__				m_e	
ASSE	146.54		PKPbc	09:45:24.223	0.4	36.6		2.92		TAS				a_e	
ASSE	146.54		pPKPbc	09:45:29.112	0.2					T__				m_e	
ASSE	146.54		X	09:46:02.480	0.0	34.4		2.93		TAS				m_e	
BFO	150.52		PKPdf	09:45:30.426						T__				m_e	
BFO	150.52		PKPbc	09:45:34.973		36.6		2.92		TAS				a_e	
BFO	150.52		X	09:46:12.179		34.4		2.93		TAS				m_e	
BRG	146.25		PKPbc	09:45:23.773	-0.1	36.6		2.92		TAS				a_e	
BRG	146.25		pPKPbc	09:45:28.892	-0.1					T__				m_e	
BRG	146.25		X	09:46:00.864	-0.5	34.4		2.93		TAS				m_e	
BSEG	145.17		PKPbc	09:45:19.273	-0.4	36.6		2.92		TAS				a_e	
BSEG	145.17		X	09:45:56.865	-0.3	34.4		2.93		TAS				m_e	
BUG	148.27		PKPdf	09:45:26.936						T__				m_e	
BUG	148.27		PKPbc	09:45:29.323	0.2	36.6		2.92		TAS				a_e	
BUG	148.27		pPKPbc	09:45:34.943						T__				m_e	
BUG	148.27		X	09:46:08.287	-1.4	34.4		2.93		TAS				m_e	
CLL	146.31		PKPbc	09:45:22.923	-0.1	36.6		2.92		TAS				m_e	
CLL	146.31		pPKPbc	09:45:28.617	-0.2					T__				m_e	
CLL	146.31		X	09:46:00.897	-0.3	34.4		2.93		TAS				m_e	
CLZ	146.88		PKPbc	09:45:25.523	0.1	36.6		2.92		TAS				a_e	
CLZ	146.88		X	09:46:03.234	0.2	34.4		2.93		TAS				m_e	
FLT1	146.18		PKPbc	09:45:22.473	-0.6	36.6		2.92		TAS				a_e	
FLT1	146.18		pPKPbc	09:45:27.847	0.1					T__				m_e	
FLT1	146.18		X	09:46:00.421	-0.6	34.4		2.93		TAS				m_e	
FUR	149.44		PKPdf	09:45:29.113						T__				m_e	
FUR	149.44		PKPbc	09:45:32.090	0.3	36.6		2.92		TAS				m_e	

FUR	149.44	pPKPbc	09:45:37.528					T__		m_e
FUR	149.44	X	09:46:11.374		34.4		2.93	TAS		m_e
GOR1	145.62	PKPbc	09:45:21.073	-0.6	36.6		2.92	TAS		a_e
GOR1	145.62	X	09:45:58.801		0.0	34.4		2.93		TAS
GRA1	148.28	PKPpdf	09:45:27.022					T__		m_e
GRA1	148.28	PKPbc	09:45:29.623		0.3	36.6		2.92		TAS
GRA1	148.28	pPKPbc	09:45:34.778					T__		m_e
GRA1	148.28	X	09:46:08.097	-1.4		34.4		2.93		TAS
GRA1	148.28	L	10:46:05.065					T__	1363.6	20.90 a_e Ms 5.7
GTTG	147.27	PKPbc	09:45:26.723		0.3	36.6		2.92		TAS
GTTG	147.27	X	09:46:04.374		0.9	34.4		2.93		TAS
GUNZ	147.31	PKPbc	09:45:26.773		0.2	36.6		2.92		TAS
GUNZ	147.31	X	09:46:05.045		0.7	34.4		2.93		TAS
HLG	145.70	pPKPbc	09:45:26.966	-0.2				T__		m_e
HLG	145.70	X	09:45:59.491	-0.4		34.4		2.93		TAS
IBBN	147.37	PKPpdf	09:45:26.119					T__		m_e
IBBN	147.37	PKPbc	09:45:26.823		0.3	36.6		2.92		TAS
IBBN	147.37	pPKPbc	09:45:31.862					T__		m_e
KAST	148.10	PKPpdf	09:45:26.870					T__		m_e
KAST	148.10	PKPbc	09:45:29.023	-0.0		36.6		2.92		TAS
MANZ	147.69	PKPpdf	09:45:26.494					T__		m_e
MANZ	147.69	PKPbc	09:45:27.873		0.4	36.6		2.92		TAS
MANZ	147.69	pPKPbc	09:45:32.907					T__		m_e
MOX	147.38	PKPbc	09:45:26.823		0.3	36.6		2.92		TAS
MOX	147.38	pPKPbc	09:45:31.532					T__		m_e
NEUB	146.88	PKPbc	09:45:25.223		0.2	36.6		2.92		TAS
NEUB	146.88	X	09:46:02.992		0.4	34.4		2.93		TAS
NRDL	146.44	PKPbc	09:45:23.823		0.1	36.6		2.92		TAS
NRDL	146.44	pPKPbc	09:45:28.782		0.1			T__		m_e
NRDL	146.44	X	09:46:01.234	-0.2		34.4		2.93		TAS
PLN	147.28	PKPbc	09:45:26.573		0.4	36.6		2.92		TAS
PLN	147.28	X	09:46:05.196		0.7	34.4		2.93		TAS
RETH	146.49	PKPbc	09:45:24.023		0.1	36.6		2.92		TAS
RETH	146.49	pPKPbc	09:45:29.222		0.1			T__		m_e
RETH	146.49	X	09:46:01.444		0.6	34.4		2.93		TAS
ROTZ	147.82	PKPpdf	09:45:26.673					T__		m_e
ROTZ	147.82	PKPbc	09:45:28.273		0.1	36.6		2.92		TAS
ROTZ	147.82	pPKPbc	09:45:33.347					T__		m_e
ROTZ	147.82	X	09:46:05.339		0.9	34.4		2.93		TAS
RUE	145.10	PKPbc	09:45:19.672	-1.0		36.6		2.92		TAS
RUE	145.10	X	09:45:56.892	-1.0		34.4		2.93		TAS
STU	149.82	PKPpdf	09:45:29.858					T__		m_e
STU	149.82	PKPbc	09:45:33.573	-0.8		36.6		2.92		TAS
STU	149.82	X	09:46:10.618			34.4		2.93		TAS
TANN	147.22	PKPbc	09:45:26.423		0.4	36.6		2.92		TAS
TANN	147.22	X	09:46:04.290		0.2	34.4		2.93		TAS
TNS	148.91	PKPpdf	09:45:28.153					T__		m_e
TNS	148.91	PKPbc	09:45:31.423	-0.7		36.6		2.92		TAS
TNS	148.91	pPKPbc	09:45:36.318					T__		m_e

TNS	148.91	X	09:46:09.698		34.4		2.93	TAS		m_e
UBBA	147.85	PKPdf	09:45:26.383					T__		m_e
UBBA	147.85	PKPbc	09:45:28.373	0.3	36.6		2.92	TAS		a_e
UBR	150.32	PKPdf	09:45:30.459					T__		m_e
UBR	150.32	PKPbc	09:45:34.473		36.6		2.92	TAS		a_e
UBR	150.32	X	09:46:11.908		34.4		2.93	TAS		m_e
WERD	147.26	PKPbc	09:45:26.423	0.2	36.6		2.92	TAS		a_e
WERD	147.26	X	09:46:04.386	0.4	34.4		2.93	TAS		m_e
WERN	147.35	PKPbc	09:45:26.973	0.1	36.6		2.92	TAS		a_e
WERN	147.35	X	09:46:05.172	-0.6	34.4		2.93	TAS		m_e
WET	148.01	PKPdf	09:45:27.024					T__		m_e
WET	148.01	PKPbc	09:45:28.723	0.3	36.6		2.92	TAS		a_e
WET	148.01	pPKPbc	09:45:34.063					T__		m_e
WET	148.01	X	09:46:07.741	-1.0	34.4		2.93	TAS		m_e
WLF	150.17	PKPdf	09:45:30.872					T__		m_e
WLF	150.17	PKPbc	09:45:35.173	-0.8	36.6		2.92	TAS		a_e
WLF	150.17	X	09:46:12.399		34.4		2.93	TAS		m_e

Event 71119003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	09:43:36.29			-22.1160	170.0890				33.0		26		145.79	150.05	m i ke	BGR
71119009																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.66		PKPbc	10:03:19.713		38.8		2.81		TAS					m_e
BFO	150.05		PKPbc	10:03:22.986		38.8		2.81		TAS					m_e
BRG	145.79		PKPbc	10:03:11.680	0.1	38.8		2.81		TAS					m_e
BUG	147.82		PKPbc	10:03:17.956		38.8		2.81		TAS					m_e
CLL	145.84		PKPbc	10:03:10.887	-0.0	38.8		2.81		TAS					m_e
CLZ	146.43		PKPbc	10:03:13.485	0.3	38.8		2.81		TAS					m_e
FUR	148.97		PKPbc	10:03:20.459		38.8		2.81		TAS					m_e
GRA1	147.82		PKPbc	10:03:17.360	-0.5	38.8		2.81		TAS					m_e
GTTG	146.82		PKPbc	10:03:14.707	0.1	38.8		2.81		TAS					m_e
GUNZ	146.84		PKPbc	10:03:14.675	0.0	38.8		2.81		TAS					m_e
IBBN	146.93		PKPbc	10:03:14.997	0.1	38.8		2.81		TAS					m_e
MANZ	147.22		PKPbc	10:03:15.833	0.0	38.8		2.81		TAS					m_e
MOX	146.91		PKPbc	10:03:14.386	0.4	38.8		2.81		TAS					m_e
NEUB	146.42		PKPbc	10:03:13.195	0.3	38.8		2.81		TAS					m_e
PLN	146.82		PKPbc	10:03:14.321	0.2	38.8		2.81		TAS					m_e
RETH	146.04		PKPbc	10:03:11.836	-0.2	38.8		2.81		TAS					m_e
ROTZ	147.35		PKPbc	10:03:15.447	-0.1	38.8		2.81		TAS					m_e
STU	149.36		PKPbc	10:03:21.594		38.8		2.81		TAS					m_e
TANN	146.75		PKPbc	10:03:14.128	-0.4	38.8		2.81		TAS					m_e

TNS	148.45	PKPbc	10:03:19.151		38.8	2.81	TAS										m_e
UBBA	147.40	PKPbc	10:03:16.026	0.2	38.8	2.81	TAS										m_e
UBR	149.85	PKPbc	10:03:22.546		38.8	2.81	TAS										m_e
WERD	146.79	PKPbc	10:03:14.450	-0.1	38.8	2.81	TAS										m_e
WERN	146.88	PKPbc	10:03:14.868	0.2	38.8	2.81	TAS										m_e
WET	147.53	PKPbc	10:03:16.573	-0.3	38.8	2.81	TAS										m_e
WLF	149.72	PKPbc	10:03:22.947		38.8	2.81	TAS										m_e

Event 71119004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	09:55:59.24			-22.4700	170.1900				22.1	2.0		33		145.00	150.41	m i ke	BGR
	71119010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.02		PKPbc	10:15:45.610	0.2	37.5		2.96		TAS					a_e
ASSE	146.45		PKPbc	10:15:37.910	0.4	37.5		2.96		TAS					a_e
BFO	150.41		PKPbc	10:15:48.710	-0.9	37.5		2.96		TAS					a_e
BRG	146.14		PKPbc	10:15:37.560	0.1	37.5		2.96		TAS					a_e
BSEG	145.08		PKPbc	10:15:33.110	-0.2	37.5		2.96		TAS					a_e
BUG	148.19		PKPbc	10:15:44.160	0.1	37.5		2.96		TAS					a_e
BUG	148.19		pPKPbc	10:15:50.191	13.8					T__					m_e
CLL	146.20		PKPbc	10:15:36.710	0.2	37.5		2.96		TAS					a_e
CLL	146.20		pPKPbc	10:15:43.844	13.8					T__					m_e
CLZ	146.79		PKPbc	10:15:39.310	1.0	37.5		2.96		TAS					a_e
FLT1	146.08		PKPbc	10:15:36.260	0.4	37.5		2.96		TAS					a_e
FUR	149.33		PKPbc	10:15:46.160		37.5		2.96		TAS					a_e
GOR1	145.52		PKPbc	10:15:34.760	0.0	37.5		2.96		TAS					a_e
GRA1	148.18		PKPbc	10:15:43.260	-0.2	37.5		2.96		TAS					a_e
GRA1	148.18		pPKPbc	10:15:49.645	13.8					T__					m_e
GTTG	147.18		PKPbc	10:15:40.460	-0.4	37.5		2.96		TAS					a_e
GUNZ	147.20		PKPbc	10:15:40.510	0.1	37.5		2.96		TAS					a_e
IBBN	147.29		PKPbc	10:15:40.510	0.1	37.5		2.96		TAS					a_e
KAST	148.01		PKPbc	10:15:42.660	0.5	37.5		2.96		TAS					a_e
MANZ	147.58		PKPbc	10:15:41.560	0.1	37.5		2.96		TAS					a_e
MOX	147.27		PKPbc	10:15:40.410	0.2	37.5		2.96		TAS					a_e
NEUB	146.78		PKPbc	10:15:39.010	0.0	37.5		2.96		TAS					a_e
NRDL	146.35		PKPbc	10:15:37.610	-0.0	37.5		2.96		TAS					a_e
PLN	147.18		PKPbc	10:15:40.260	0.3	37.5		2.96		TAS					a_e
PLN	147.18		pPKPbc	10:15:47.131	13.8					T__					m_e
RETH	146.40		PKPbc	10:15:37.660	-0.8	37.5		2.96		TAS					a_e
ROTZ	147.71		PKPbc	10:15:41.910	0.3	37.5		2.96		TAS					a_e
RUE	145.00		PKPbc	10:15:32.710	-0.5	37.5		2.96		TAS					a_e
STU	149.72		PKPbc	10:15:47.310	-0.4	37.5		2.96		TAS					a_e

TANN	147.11	PKPbc	10:15:40.110	0.5	37.5	2.96	TAS	a_e
TANN	147.11	pPKPbc	10:15:46.738	13.8			T__	m_e
TNS	148.81	PKPbc	10:15:45.010	0.2	37.5	2.96	TAS	a_e
UBBA	147.76	PKPbc	10:15:41.760	0.0	37.5	2.96	TAS	a_e
UBR	150.20	PKPbc	10:15:48.210		37.5	2.96	TAS	a_e
WERD	147.15	PKPbc	10:15:40.160	0.4	37.5	2.96	TAS	m_e
WERN	147.24	PKPbc	10:15:40.710	0.3	37.5	2.96	TAS	a_e
WERN	147.24	pPKPbc	10:15:47.558	13.8			T__	m_e
WET	147.89	PKPbc	10:15:42.310	-0.9	37.5	2.96	TAS	a_e
WET	147.89	pPKPbc	10:15:49.050	13.8			T__	m_e
WLF	150.08	PKPbc	10:15:48.860	0.0	37.5	2.96	TAS	a_e
WLF	150.08	pPKPbc	10:15:55.265	13.8			T__	m_e

Event 71119005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	10:02:16.76			-21.2440	170.2180				21.8			29		143.90	149.31	m i ke	BGR
OrigID 71119011																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.33		PKPbc	10:21:49.273	-0.2	37.9		2.90		TAS					a_e
BFO	149.31		PKPbc	10:22:00.027	-0.4	37.9		2.90		TAS					m_e
BRG	145.06		PKPbc	10:21:48.873		37.9		2.90		TAS					a_e
BUG	147.05		PKPbc	10:21:55.473	0.2	37.9		2.90		TAS					a_e
CLL	145.11		PKPbc	10:21:48.023	0.4	37.9		2.90		TAS					m_e
CLZ	145.67		PKPbc	10:21:50.673	-0.8	37.9		2.90		TAS					a_e
FLT1	144.97		PKPbc	10:21:47.573	0.1	37.9		2.90		TAS					a_e
GOR1	144.40		PKPbc	10:21:46.223	-0.1	37.9		2.90		TAS					a_e
GRA1	147.09		PKPbc	10:21:54.249	0.2	37.9		2.90		TAS					m_e
GRA1	147.09		pPKPbc	10:22:00.798						T__					m_e
GTTG	146.06		PKPbc	10:21:51.773	0.3	37.9		2.90		TAS					a_e
GUNZ	146.12		PKPbc	10:21:51.923	0.4	37.9		2.90		TAS					a_e
IBBN	146.15		PKPbc	10:21:51.773	0.9	37.9		2.90		TAS					a_e
KAST	146.88		PKPbc	10:21:54.123	-0.5	37.9		2.90		TAS					a_e
MANZ	146.50		PKPbc	10:21:52.823		37.9		2.90		TAS					a_e
MOX	146.18		PKPbc	10:21:51.658	-0.8	37.9		2.90		TAS					m_e
NEUB	145.68		PKPbc	10:21:50.323	-0.6	37.9		2.90		TAS					a_e
NRDL	145.22		PKPbc	10:21:48.923	0.3	37.9		2.90		TAS					a_e
PLN	146.09		PKPbc	10:21:51.673	0.3	37.9		2.90		TAS					a_e
RETH	145.27		PKPbc	10:21:49.073	0.1	37.9		2.90		TAS					a_e
ROTZ	146.63		PKPbc	10:21:53.273		37.9		2.90		TAS					a_e
RUE	143.90		PKPbc	10:21:44.673	0.2	37.9		2.90		TAS					a_e
STU	148.62		PKPbc	10:21:58.623	0.2	37.9		2.90		TAS					a_e
TANN	146.02		PKPbc	10:21:51.523	0.1	37.9		2.90		TAS					a_e

TNS	147.70	PKPbc	10:21:56.284	0.3	37.9	2.90	TAS	m_e
UBBA	146.65	PKPbc	10:21:53.473	-0.1	37.9	2.90	TAS	a_e
UBR	149.13	PKPbc	10:21:59.523	0.2	37.9	2.90	TAS	a_e
WERD	146.06	PKPbc	10:21:51.523	0.2	37.9	2.90	TAS	a_e
WERN	146.16	PKPbc	10:21:52.061		37.9	2.90	TAS	m_e
WET	146.82	PKPbc	10:21:53.723		37.9	2.90	TAS	a_e
WLF	148.95	PKPbc	10:22:00.273	-0.3	37.9	2.90	TAS	a_e

Event 71119006 New Caledonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	10:06:38.38			-22.2210	167.9980				33.0					147.03	147.03	m i ke	BGR
OrigID 71119012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.03		PKPbc	10:26:17.214		46.3		2.65		TAS					m_e

Event 71119008 North of New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	10:48:35.84			-27.8890	174.5860				33.0					154.77	154.77	m i ke	BGR
OrigID 71119014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	154.77		PKPbc	11:08:33.973		36.4		2.16		TAS					m_e

Event 71119009 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	11:27:50.81			-20.7740	168.6620				23.9	3.3		33		143.00	148.28	m i ke	BGR
OrigID 71119015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.93		PKPbc	11:47:29.016	0.7	39.9		3.25		TAS					a_e

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.27		PKPbc	11:55:54.695		43.0		2.44		TAS					m_e
GRA1	151.27		pPKPbc	11:56:02.566						T__					m_e

Event 71119011 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	11:42:21.93			-28.7900	172.6070				23.5					154.76	154.76	m i ke	BGR
OrigID 71119017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	154.76		PKPbc	12:02:20.068		41.0		2.16		TAS					m_e
GRA1	154.76		pPKPbc	12:02:27.179						T__					m_e

Event 71119012 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	11:45:07.87			-26.5140	168.0020				33.0					150.74	150.74	m i ke	BGR
OrigID 71119018																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.74		PKPbc	12:04:56.732		46.2		2.49		TAS					m_e

Event 71119014 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	12:37:38.69	1.09	0.93	44.2050	9.8110	20.0	12.2	18	10.0				17 293	3.08	6.09	m i ke	BGR
OrigID 71119020																	

Magnitude Err Nsta Author OrigID
ML 4.6 BGR 71119020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.03		Pn	12:38:52.189	-0.2					T__					m_e

BFO	4.25	Pn	12:38:41.852	-0.1	T__	m_e	ML	4.6
DAVA	3.08	Sn	12:39:01.224	0.8	T__	m_e		
DAVA	3.08	Pn	12:38:27.674	1.5	T__	m_e	ML	4.7
FUR	4.09	Pn	12:38:39.270	-0.4	T__	m_e		
GRA1	5.57	Pn	12:38:57.971	-1.8	T__	m_e		
KBA	3.79	Sn	12:39:16.578	-0.4	T__	m_e		
KBA	3.79	Pn	12:38:36.401	0.7	T__	m_e		
MOA	4.79	Pn	12:38:50.002	0.9	T__	m_e		
NORI	4.55	Pn	12:38:44.738	-1.2	T__	m_e		
OBER	3.22	Pn	12:38:28.795	0.8	T__	m_e	ML	4.3
OBKA	4.06	Pn	12:38:40.153	0.9	T__	m_e		
PART	3.42	Pn	12:38:31.369	0.7	T__	m_e	ML	4.3
ROTZ	5.80	Pn	12:39:00.762	-2.0	T__	m_e		
STU	4.59	Pn	12:38:46.250	-0.2	T__	m_e		
TNS	6.09	Pn	12:39:06.869	0.2	T__	m_e		
UBR	3.48	Pn	12:38:32.214	0.7	T__	m_e	ML	4.8
WET	5.37	Pn	12:38:56.126	-0.9	T__	m_e	ML	4.6
WTTA	3.32	Pn	12:38:29.321	0.0	T__	m_e		

Event 71119015 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	15:09:05.50			-21.0790	170.4580				33.0			33		143.84	149.25	m i ke	BGR
OrigID 71119021																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.81		PKPbc	15:28:46.908	0.3	37.4		2.91		TAS				a_e	
ASSE	145.26		PKPbc	15:28:39.008	0.5	37.4		2.91		TAS				a_e	
BFO	149.25		PKPbc	15:28:48.908	-0.6	37.4		2.91		TAS				a_e	
BRG	145.02		PKPbc	15:28:38.608	-0.8	37.4		2.91		TAS				a_e	
BSEG	143.87		PKPbc	15:28:34.058	-0.1	37.4		2.91		TAS				a_e	
BUG	146.97		PKPbc	15:28:44.208	0.4	37.4		2.91		TAS				a_e	
CLL	145.06		PKPbc	15:28:37.758	0.1	37.4		2.91		TAS				m_e	
CLZ	145.61		PKPbc	15:28:40.308	0.1	37.4		2.91		TAS				a_e	
FLT1	144.90		PKPbc	15:28:37.308	0.4	37.4		2.91		TAS				a_e	
FUR	148.21		PKPbc	15:28:46.258		37.4		2.91		TAS				a_e	
GOR1	144.33		PKPbc	15:28:35.908	-0.0	37.4		2.91		TAS				a_e	
GRA1	147.03		PKPbc	15:28:44.320	-0.0	37.4		2.91		TAS				m_e	
GTTG	145.99		PKPbc	15:28:41.508	-0.4	37.4		2.91		TAS				a_e	
GUNZ	146.06		PKPbc	15:28:41.658	0.5	37.4		2.91		TAS				a_e	
IBBN	146.07		PKPbc	15:28:41.508	0.1	37.4		2.91		TAS				a_e	
KAST	146.81		PKPbc	15:28:43.858	0.5	37.4		2.91		TAS				a_e	
MANZ	146.45		PKPbc	15:28:42.608	0.4	37.4		2.91		TAS				a_e	
MOX	146.12		PKPbc	15:28:40.515	0.4	37.4		2.91		TAS				m_e	

NEUB	145.62	PKPbc	15:28:40.008	0.6	37.4	2.91	TAS	a_e
NRDL	145.15	PKPbc	15:28:38.608	-0.0	37.4	2.91	TAS	a_e
PLN	146.03	PKPbc	15:28:41.408	0.3	37.4	2.91	TAS	a_e
RETH	145.19	PKPbc	15:28:38.708	-1.0	37.4	2.91	TAS	a_e
ROTZ	146.58	PKPbc	15:28:43.058	0.4	37.4	2.91	TAS	a_e
RUE	143.84	PKPbc	15:28:33.708	-0.5	37.4	2.91	TAS	a_e
STU	148.56	PKPbc	15:28:48.408	-1.2	37.4	2.91	TAS	a_e
TANN	145.97	PKPbc	15:28:41.208	0.6	37.4	2.91	TAS	a_e
TNS	147.63	PKPbc	15:28:46.258	0.4	37.4	2.91	TAS	a_e
UBBA	146.58	PKPbc	15:28:43.258	0.4	37.4	2.91	TAS	a_e
UBR	149.08	PKPbc	15:28:49.308		37.4	2.91	TAS	a_e
WERD	146.01	PKPbc	15:28:41.258	0.5	37.4	2.91	TAS	a_e
WERN	146.10	PKPbc	15:28:41.858	0.4	37.4	2.91	TAS	a_e
WET	146.78	PKPbc	15:28:43.558	-1.5	37.4	2.91	TAS	a_e
WLF	148.87	PKPbc	15:28:50.008	0.3	37.4	2.91	TAS	a_e

Event 71119016 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	15:16:51.40			-26.8970	169.1430				23.7					151.59	151.59	m i ke	BGR
OrigID 71119022																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.59		PKPbc	15:36:42.366		44.8		2.41		TAS					m_e
GRA1	151.59		pPKPbc	15:36:49.524						T__					m_e

Event 71119017 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	15:19:49.77			-26.2530	163.4810				25.8					148.29	148.29	m i ke	BGR
OrigID 71119023																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.29		PKPbc	15:39:32.256		52.6		2.75		TAS					m_e
GRA1	148.29		pPKPbc	15:39:40.005						T__					m_e

Event 71119019 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	16:08:08.46			-20.0060	171.8690				40.3	1.8		33		143.30	148.77	m i ke	BGR
71119025																	

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	147.23		PKPbc	16:27:48.209	-0.2	34.4		2.98		TAS					a_e
ASSE	144.74		PKPbc	16:27:40.259	0.4	34.4		2.98		TAS					a_e
BFO	148.77		PKPbc	16:27:51.409	-1.1	34.4		2.98		TAS					a_e
BRG	144.61		PKPbc	16:27:39.759	-0.0	34.4		2.98		TAS					a_e
BSEG	143.30		PKPbc	16:27:35.409	-0.1	34.4		2.98		TAS					a_e
BUG	146.38		PKPbc	16:27:45.559	0.4	34.4		2.98		TAS					a_e
CLL	144.62		PKPbc	16:27:38.959	-0.2	34.4		2.98		TAS					a_e
CLL	144.62		pPKPbc	16:27:51.514						T__					m_e
CLZ	145.08		PKPbc	16:27:41.609	0.1	34.4		2.98		TAS					a_e
CLZ	145.08		pPKPbc	16:27:53.944						T__					m_e
FLT1	144.39		PKPbc	16:27:38.509	0.3	34.4		2.98		TAS					a_e
FUR	147.83		PKPbc	16:27:51.109		34.4		2.98		TAS					a_e
GOR1	143.80		PKPbc	16:27:37.109	-0.1	34.4		2.98		TAS					a_e
GRA1	146.60		PKPbc	16:27:45.959	-0.3	34.4		2.98		TAS					a_e
GRA1	146.60		pPKPbc	16:27:57.854						T__					m_e
GTTG	145.47		PKPbc	16:27:42.859	-0.9	34.4		2.98		TAS					a_e
GUNZ	145.64		PKPbc	16:27:42.809	0.2	34.4		2.98		TAS					a_e
IBBN	145.47		PKPbc	16:27:42.959	-0.1	34.4		2.98		TAS					a_e
KAST	146.25		PKPbc	16:27:45.309	-0.1	34.4		2.98		TAS					a_e
KAST	146.25		pPKPbc	16:27:57.345						T__					m_e
MANZ	146.03		PKPbc	16:27:44.159	0.4	34.4		2.98		TAS					a_e
MOX	145.67		PKPbc	16:27:42.959	-0.1	34.4		2.98		TAS					a_e
NEUB	145.16		PKPbc	16:27:41.309	0.4	34.4		2.98		TAS					a_e
NRDL	144.61		PKPbc	16:27:39.859	0.2	34.4		2.98		TAS					a_e
PLN	145.60		PKPbc	16:27:42.709	-0.1	34.4		2.98		TAS					a_e
RETH	144.62		PKPbc	16:27:40.009	1.7	34.4		2.98		TAS					a_e
ROTZ	146.17		PKPbc	16:27:44.559	0.2	34.4		2.98		TAS					a_e
ROTZ	146.17		pPKPbc	16:27:56.106						T__					m_e
RUE	143.39		PKPbc	16:27:37.909	-0.7	34.4		2.98		TAS					a_e
STU	148.10		PKPbc	16:27:49.909	1.6	34.4		2.98		TAS					a_e
TANN	145.55		PKPbc	16:27:42.509	-0.0	34.4		2.98		TAS					m_e
TNS	147.10		PKPbc	16:27:47.609	0.1	34.4		2.98		TAS					a_e
UBBA	146.08		PKPbc	16:27:44.659	0.3	34.4		2.98		TAS					a_e
UBR	148.68		PKPbc	16:27:50.859		34.4		2.98		TAS					a_e
WERD	145.58		PKPbc	16:27:42.509	-0.1	34.4		2.98		TAS					a_e
WERN	145.68		PKPbc	16:27:43.009	0.1	34.4		2.98		TAS					a_e
WET	146.41		PKPbc	16:27:45.059	-0.9	34.4		2.98		TAS					a_e
WLF	148.28		PKPbc	16:27:51.509	-0.2	34.4		2.98		TAS					a_e

Event 71119020 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	17:26:49.42			-24.4410	167.5450				32.4					148.76	148.76	m i ke	BGR
OrigID 71119026																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.76		PKPbc	17:46:33.129		44.8		2.70		TAS					m_e
GRA1	148.76		pPKPbc	17:46:42.877						T__					m_e

Event 71119021 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	18:58:11.42			-28.3060	166.6560				33.0					151.58	151.58	m i ke	BGR
OrigID 71119027																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.58		PKPbc	19:18:02.378		50.3		2.41		TAS					m_e

Event 71119022 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	19:33:18.97			-25.8070	168.6790				33.0					150.45	150.45	m i ke	BGR
OrigID 71119028																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.45		PKPbc	19:53:07.091		44.4		2.52		TAS					m_e

Event 71119023 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	19:34:15.48			-26.2330	168.9550				22.5					150.94	150.94	m i ke	BGR
OrigID																	

71119029

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.94		PKPbc	19:54:04.837		44.4		2.47		TAS					m_e
GRA1	150.94		pPKPbc	19:54:11.604						T__					m_e

Event 71119024 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	19:43:12.30			-26.8760	170.1710				20.9					152.04	152.04	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.04		PKPbc	20:03:04.320		43.1		2.37		TAS					m_e
GRA1	152.04		pPKPbc	20:03:10.615						T__					m_e

Event 71119025 Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	21:42:12.20			-1.6800	-78.0100				158.0					90.77	90.77	m i ke	EMSC

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 71119031

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.77		P	21:54:58.325		268.3		5.13		TAS		8.6	0.91	m_e mb	5.1

Event 71119026 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	21:49:53.57			-26.4030	166.9520				33.0					150.15	150.15	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.15		PKPbc	22:09:40.955		47.7		2.55		TAS					m_e

Event 71119027 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	22:00:46.88			-27.3980	170.6260				33.0					152.69	152.69	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.69		PKPbc	22:20:40.425		42.9		2.31		TAS					m_e

Event 71119028 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	22:43:32.83			-20.0170	172.1920				33.0			34		143.40	148.89	m i ke	BGR

Magnitude Err Nsta Author OrigID
Ms 6.4 BGR 71119034

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.34		PKPbc	23:03:13.164	-0.1	33.9		2.96		TAS				a_e	
ASSE	144.86		PKPbc	23:03:05.314	0.3	33.9		2.96		TAS				a_e	
BFO	148.89		PKPbc	23:03:16.314	1.9	33.9		2.96		TAS				a_e	
BRG	144.75		PKPbc	23:03:04.814	0.4	33.9		2.96		TAS				a_e	
BSEG	143.40		PKPbc	23:03:00.414	-0.3	33.9		2.96		TAS				a_e	
BUG	146.48		PKPbc	23:03:10.414	-0.9	33.9		2.96		TAS				a_e	
CLL	144.75		PKPbc	23:03:04.014	0.4	33.9		2.96		TAS				m_e	
CLZ	145.20		PKPbc	23:03:06.614	0.4	33.9		2.96		TAS				a_e	
FLT1	144.50		PKPbc	23:03:03.564	0.0	33.9		2.96		TAS				a_e	
FUR	147.96		PKPbc	23:03:16.314	-1.2	33.9		2.96		TAS				a_e	
GOR1	143.92		PKPbc	23:03:02.214	0.0	33.9		2.96		TAS				a_e	
GRA1	146.72		PKPbc	23:03:10.714	-0.4	33.9		2.96		TAS				a_e	
GRA1	146.72		L	00:05:43.084						T__		6929.9	19.40	a_e Ms	6.4
GTTG	145.58		PKPbc	23:03:07.814	0.1	33.9		2.96		TAS				a_e	
GUNZ	145.77		PKPbc	23:03:07.914	0.1	33.9		2.96		TAS				a_e	
HLG	143.84		PKPbc	23:03:02.464	-0.8	33.9		2.96		TAS				a_e	
IBBN	145.56		PKPbc	23:03:07.964	-0.7	33.9		2.96		TAS				a_e	
KAST	146.36		PKPbc	23:03:10.214	-0.2	33.9		2.96		TAS				a_e	
MANZ	146.16		PKPbc	23:03:09.114	-0.0	33.9		2.96		TAS				a_e	

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MOX	145.79	PKPbc	23:03:07.964	0.3	33.9	2.96	TAS	a_e
NEUB	145.28	PKPbc	23:03:06.314	-0.1	33.9	2.96	TAS	a_e
NRDL	144.72	PKPbc	23:03:04.914	1.6	33.9	2.96	TAS	a_e
PLN	145.73	PKPbc	23:03:07.714	-0.2	33.9	2.96	TAS	a_e
RETH	144.73	PKPbc	23:03:05.114	-0.0	33.9	2.96	TAS	a_e
ROTZ	146.30	PKPbc	23:03:09.464	0.4	33.9	2.96	TAS	a_e
RUE	143.52	PKPbc	23:03:02.864	0.3	33.9	2.96	TAS	a_e
STU	148.22	PKPbc	23:03:14.864	-0.9	33.9	2.96	TAS	a_e
TANN	145.68	PKPbc	23:03:07.564	0.0	33.9	2.96	TAS	a_e
TNS	147.21	PKPbc	23:03:12.614	0.1	33.9	2.96	TAS	a_e
UBBA	146.20	PKPbc	23:03:09.614	-0.0	33.9	2.96	TAS	a_e
UBR	148.81	PKPbc	23:03:15.714		33.9	2.96	TAS	a_e
WERD	145.71	PKPbc	23:03:07.514	-0.1	33.9	2.96	TAS	a_e
WERN	145.81	PKPbc	23:03:08.114	0.3	33.9	2.96	TAS	a_e
WET	146.54	PKPbc	23:03:09.914	-0.3	33.9	2.96	TAS	a_e
WLF	148.39	PKPbc	23:03:16.414	-0.0	33.9	2.96	TAS	a_e

Event 71119029 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	22:51:26.66			-25.3840	168.4060				33.0					149.96	149.96	m i ke	BGR
71119035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.96		PKPbc	23:11:13.544		44.4		2.57		TAS					m_e

Event 71119030 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/19	22:58:46.82			-26.8270	170.0180				30.5					151.93	151.93	m i ke	BGR
71119036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.93		PKPbc	23:18:38.591		43.3		2.38		TAS					m_e
GRA1	151.93		pPKPbc	23:18:47.785						T__					m_e

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Event 71119031 Norfolk Island, Australia, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/19 23:03:56.77 -26.1370 171.1570 27.8 151.82 151.82 m i ke BGR
71119037

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.82		PKPbc	23:23:48.266		40.7		2.39		TAS				m_e	
GRA1	151.82		pPKPbc	23:23:56.647						T__				m_e	

Event 71119032 New Caledonia region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/19 23:23:17.50 -25.7970 168.4820 33.0 150.35 150.35 m i ke BGR
71119038

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.35		PKPbc	23:43:05.377		44.7		2.53		TAS				m_e	

Event 71119033 Norfolk Island, Australia, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/19 23:24:35.83 -26.7540 169.9110 33.0 151.82 151.82 m i ke BGR
71119039

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.82		PKPbc	23:44:27.329		43.4		2.39		TAS				m_e	

Event 71119034 New Caledonia region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/19 23:32:32.04 -26.0380 168.8910 33.0 150.74 150.74 m i ke BGR
71119040

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.74		PKPbc	23:52:20.907		44.3		2.49		TAS					m_e

Event 71120001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	00:09:27.33			-21.1370	170.1640				33.0			34		143.78	149.19	m i ke	BGR
OrigID 71120007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.77		PKPbc	00:29:08.112	0.2	37.9		2.92		TAS					a_e
ASSE	145.21		PKPbc	00:29:00.462	0.1	37.9		2.92		TAS					a_e
BFO	149.19		PKPbc	00:29:11.093		37.9		2.92		TAS					m_e
BRG	144.95		PKPbc	00:28:59.962	-0.1	37.9		2.92		TAS					a_e
BSEG	143.83		PKPbc	00:28:55.562	-0.5	37.9		2.92		TAS					a_e
BUG	146.93		PKPbc	00:29:06.662	0.0	37.9		2.92		TAS					a_e
CLL	145.00		PKPbc	00:28:59.112	0.0	37.9		2.92		TAS					a_e
CLZ	145.56		PKPbc	00:29:01.812	0.3	37.9		2.92		TAS					a_e
FLT1	144.85		PKPbc	00:28:58.762	-0.6	37.9		2.92		TAS					a_e
FUR	148.14		PKPbc	00:29:08.783	0.3	37.9		2.92		TAS					m_e
GEC2	146.57		PKPbc	00:29:04.412	0.2	37.9		2.92		TAS					a_e
GOR1	144.28		PKPbc	00:28:57.262	-0.6	37.9		2.92		TAS					a_e
GRA1	146.97		PKPbc	00:29:05.978	0.5	37.9		2.92		TAS					m_e
GTTG	145.94		PKPbc	00:29:03.012	0.6	37.9		2.92		TAS					a_e
GUNZ	146.00		PKPbc	00:29:03.112	0.3	37.9		2.92		TAS					a_e
IBBN	146.03		PKPbc	00:29:03.062	0.2	37.9		2.92		TAS					a_e
KAST	146.76		PKPbc	00:29:05.262	0.9	37.9		2.92		TAS					a_e
MANZ	146.38		PKPbc	00:29:03.162	-0.8	37.9		2.92		TAS					a_e
MOX	146.06		PKPbc	00:29:03.162	-0.6	37.9		2.92		TAS					a_e
NEUB	145.56		PKPbc	00:29:01.462	0.3	37.9		2.92		TAS					a_e
NRDL	145.11		PKPbc	00:29:00.062	-0.2	37.9		2.92		TAS					a_e
PLN	145.97		PKPbc	00:29:02.912	0.5	37.9		2.92		TAS					a_e
RETH	145.15		PKPbc	00:29:00.212	0.4	37.9		2.92		TAS					a_e
ROTZ	146.51		PKPbc	00:29:04.362	-0.0	37.9		2.92		TAS					m_e
RUE	143.78		PKPbc	00:28:56.762	-1.1	37.9		2.92		TAS					a_e
STU	148.50		PKPbc	00:29:10.204	-0.7	37.9		2.92		TAS					m_e
TANN	145.91		PKPbc	00:29:02.662	0.4	37.9		2.92		TAS					a_e
TNS	147.58		PKPbc	00:29:07.862	-0.1	37.9		2.92		TAS					a_e
UBBA	146.53		PKPbc	00:29:03.412	-0.8	37.9		2.92		TAS					a_e
UBR	149.01		PKPbc	00:29:10.762		37.9		2.92		TAS					a_e
WERD	145.94		PKPbc	00:29:02.762	0.4	37.9		2.92		TAS					a_e
WERN	146.04		PKPbc	00:29:03.362	-0.1	37.9		2.92		TAS					m_e

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WET	146.70	PKPbc	00:29:03.962	0.5	37.9	2.92	TAS	a_e
WLF	148.83	PKPbc	00:29:11.462	-0.9	37.9	2.92	TAS	a_e

Event 71120002 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	01:40:19.57			-26.2540	171.6990				33.0					152.16	152.16	m i ke	BGR
OrigID 71120008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.16		PKPbc	02:00:11.841		39.9		2.36		TAS					m_e

Event 71120003 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	02:20:50.07			-25.5380	168.7600				33.0					150.25	150.25	m i ke	BGR
OrigID 71120009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.25		PKPbc	02:40:37.695		44.0		2.54		TAS					m_e

Event 71120004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	02:58:47.98			-25.8660	169.9030				33.0					151.05	151.05	m i ke	BGR
OrigID 71120010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.05		PKPbc	03:18:37.594		42.5		2.46		TAS					m_e

Event 71120005 New Caledonia region

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	02:58:49.92			-25.5130	168.8080				25.9					150.25	150.25	m i ke	BGR
71120011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.25		PKPbc	03:18:37.552		43.9		2.54		TAS				m_e	
GRA1	150.25		pPKPbc	03:18:45.349						T__				m_e	

Event 71120007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	03:14:52.42			-26.4180	173.7950				19.3					153.15	153.15	m i ke	BGR
71120013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.15		PKPbc	03:34:46.982		36.4		2.27		TAS				m_e	
GRA1	153.15		pPKPbc	03:34:52.812						T__				m_e	

Event 71120006 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	03:14:52.80			-26.5140	173.2860				33.0					153.03	153.03	m i ke	BGR
71120012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.03		PKPbc	03:34:47.113		37.4		2.28		TAS				m_e	
GRA1	153.03		pPKPbc	03:34:52.903						T__				m_e	

Event 71120008 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	03:18:19.43			-24.2360	167.1500				33.0					148.40	148.40	m i ke	BGR
71120014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.40		PKPbc	03:38:02.157		45.2		2.74		TAS					m_e

Event 71120009 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	05:49:54.93			-27.5210	168.9460				25.1					152.03	152.03	m i ke	BGR
OrigID 71120015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.03		PKPbc	06:09:46.956		45.8		2.37		TAS					m_e
GRA1	152.03		pPKPbc	06:09:54.546						T__					m_e

Event 71120010 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	08:03:16.01			-25.7720	170.0910				25.0					151.05	151.05	m i ke	BGR
OrigID 71120016																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.05		PKPbc	08:23:05.628		42.1		2.46		TAS					m_e
GRA1	151.05		pPKPbc	08:23:13.152						T__					m_e

Event 71120011 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	10:14:11.15			-26.2200	166.0900				33.0					149.57	149.57	m i ke	BGR
OrigID 71120017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.57		PKPbc	10:33:57.059		48.8		2.61		TAS					m_e

Event 71120015 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	13:17:51.56			41.0790	142.8870				33.0					80.13	80.13	m i ke	BGR
OrigID 71120021																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	71120021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.13		P	13:29:57.007		29.9		4.35		TAS		6.1	0.82	m_e mb	4.6

Event 71120016 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	13:50:22.15			-25.3460	170.2640				33.0					150.75	150.75	m i ke	BGR
OrigID 71120022																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.75		PKPbc	14:10:11.012		41.4		2.49		TAS				m_e	

Event 71120017 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	14:23:21.01			-25.9940	171.7260				33.0					151.94	151.94	m i ke	BGR
OrigID 71120023																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.94		PKPbc	14:43:12.780		39.6		2.38		TAS				m_e	

Event 71120018 Iran-Iraq border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
2017/11/20 15:23:41.90 32.8200 46.4200 20.0 31.01 31.01 m i ke EMSC
71120050

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 71120024

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 31.01 P 15:29:59.091 109.6 9.80 TAS 9.7 0.85 m_e mb 4.8

Event 71120020 Norfolk Island, Australia, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/20 17:28:58.59 -26.8590 170.7020 33.0 152.26 152.26 m i ke BGR
71120026

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 152.26 PKPbc 17:48:51.119 42.2 2.35 TAS m_e

Event 71120019 Norfolk Island, Australia, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/20 17:28:58.79 -26.8590 170.7020 33.0 152.26 152.26 m i ke BGR
71120025

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 152.26 PKPbc 17:48:51.324 42.2 2.35 TAS m_e

Event 71120021 New Caledonia region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/20 17:33:59.18 -26.6880 168.5650 20.7 151.15 151.15 m i ke BGR
71120027

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.15		PKPbc	17:53:49.068		45.5		2.45		TAS					m_e
GRA1	151.15		pPKPbc	17:53:55.299						T__					m_e

Event 71120022 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	18:51:00.30			-18.4100	-173.6140				33.0					148.55	148.55	m i ke	BGR
OrigID 71120028																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.55		PKPbc	19:10:43.277		8.8		2.73		TAS					m_e

Event 71120023 New Caledonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	18:57:51.80			-23.8800	166.5190				32.5					147.80	147.80	m i ke	BGR
OrigID 71120029																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.80		PKPbc	19:17:32.875		45.8		2.81		TAS					m_e
GRA1	147.80		pPKPbc	19:17:42.648						T__					m_e

Event 71120025 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	23:19:55.36			47.8890	152.6830				33.0				13	73.66	79.29	m i ke	BGR
OrigID 71120031																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 71120031

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.29		P	23:31:56.139		25.4		5.63		TAS					m_e
BSEG	73.66		P	23:31:24.035	0.1	25.4		5.63		TAS		7.8	0.98	m_e mb	4.7
CLL	75.31		P	23:31:33.526	-0.0	25.4		5.63		TAS		14.8	1.05	m_e mb	4.9

GEC2	77.30	P	23:31:45.035	25.4	5.63	TAS											m_e	
GUNZ	76.34	P	23:31:40.097	25.4	5.63	TAS					4.9	0.70	m_e mb					4.7
MOX	76.29	P	23:31:39.407	25.4	5.63	TAS					4.2	0.80	m_e mb					4.6
RETH	74.99	P	23:31:32.098	0.4 25.4	5.63	TAS											m_e	
RJOB	78.57	P	23:31:51.498	25.4	5.63	TAS					8.8	1.37	m_e mb					4.6
ROTZ	76.92	P	23:31:42.773	25.4	5.63	TAS					1.6	0.95	m_e mb					4.1
TNS	77.52	P	23:31:46.412	25.4	5.63	TAS					7.8	0.72	m_e mb					4.9
WERD	76.28	P	23:31:39.664	25.4	5.63	TAS					2.8	0.76	m_e mb					4.5
WERN	76.40	P	23:31:40.373	25.4	5.63	TAS					6.1	0.69	m_e mb					4.8
WET	77.28	P	23:31:45.196	25.4	5.63	TAS					5.5	0.88	m_e mb					4.7

Event 71120026 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/20	23:41:41.60			-1.2570	99.6660				33.0					89.94	89.94	m i ke	BGR
71120032																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71120032

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	89.94		P	23:54:37.905		110.4		4.06		TAS		8.0	0.98	m_e mb	4.9

Event 71121001 Western Indian-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	01:04:36.00			-51.8900	139.3700				10.0					147.71	147.71	m i ke	EMSC
71121033																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	71121007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.71		PKP	01:24:20.127		114.2		3.09		TAS				m_e	
GRA1	147.71		L	02:33:49.336						T__		589.2	21.30	a_e Ms	5.3

Event 71121002 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	02:16:44.81			-24.9920	167.5050				33.0					149.21	149.21	m i ke	BGR

71121008

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.21		PKPbc	02:36:29.734		45.4		2.65		TAS					m_e

Event 71121003 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	04:13:10.80			14.4500	-93.8000				10.0					88.54	88.54	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	71121009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.54		P	04:26:05.002		290.6		5.26		TAS		16.8	1.43	m_e mb	5.1

Event 71121004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	07:44:55.01			-23.3000	-170.4730				33.0					153.62	153.62	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.62		PKPbc	08:04:50.562		3.5		2.23		TAS					m_e

Event 71121005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	09:56:43.76			-20.2340	170.3010				32.8	4.3		33		143.03	148.42	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.97		PKPbc	10:16:22.662	0.3	37.0		3.04		TAS					a_e

AHRW	146.97	pPKPbc	10:16:32.408	0.0			T__	m_e
ASSE	144.43	PKPbc	10:16:14.612	-0.6	37.0	3.04	TAS	a_e
ASSE	144.43	pPKPbc	10:16:24.103	0.0			T__	m_e
BFO	148.42	PKPbc	10:16:25.953		37.0	3.04	TAS	m_e
BRG	144.20	PKPbc	10:16:14.162	0.2	37.0	3.04	TAS	a_e
BRG	144.20	pPKPbc	10:16:24.182	0.0			T__	m_e
BSEG	143.03	PKPbc	10:16:09.762	-0.1	37.0	3.04	TAS	a_e
CLL	144.23	PKPbc	10:16:13.262	0.4	37.0	3.04	TAS	a_e
CLL	144.23	pPKPbc	10:16:23.541	0.0			T__	m_e
CLZ	144.77	PKPbc	10:16:15.912	-1.0	37.0	3.04	TAS	a_e
CLZ	144.77	pPKPbc	10:16:25.834	0.0			T__	m_e
FBE	144.40	PKPbc	10:16:14.262	0.2	37.0	3.04	TAS	a_e
FBE	144.40	pPKPbc	10:16:24.057	0.0			T__	m_e
FLT1	144.06	PKPbc	10:16:12.862	0.4	37.0	3.04	TAS	a_e
FLT1	144.06	pPKPbc	10:16:23.225	0.0			T__	m_e
GEC2	145.84	PKPbc	10:16:18.662	-0.9	37.0	3.04	TAS	a_e
GEC2	145.84	pPKPbc	10:16:28.374	0.0			T__	m_e
GOR1	143.50	PKPbc	10:16:11.362	-0.2	37.0	3.04	TAS	a_e
GRA1	146.21	PKPbc	10:16:20.114	-0.7	37.0	3.04	TAS	m_e
GRA1	146.21	pPKPbc	10:16:29.797	0.0			T__	m_e
GTTG	145.16	PKPbc	10:16:17.162	0.0	37.0	3.04	TAS	a_e
GTTG	145.16	pPKPbc	10:16:27.169	0.0			T__	m_e
GUNZ	145.24	PKPbc	10:16:17.212	0.5	37.0	3.04	TAS	m_e
GUNZ	145.24	pPKPbc	10:16:27.413	0.0			T__	m_e
IBBN	145.22	PKPbc	10:16:17.312	0.3	37.0	3.04	TAS	a_e
IBBN	145.22	pPKPbc	10:16:27.323	0.0			T__	m_e
KAST	145.97	PKPbc	10:16:18.362	0.6	37.0	3.04	TAS	a_e
MANZ	145.63	PKPbc	10:16:18.562	0.2	37.0	3.04	TAS	a_e
MANZ	145.63	pPKPbc	10:16:28.434	0.0			T__	m_e
MOX	145.29	PKPbc	10:16:17.262	0.2	37.0	3.04	TAS	a_e
MOX	145.29	pPKPbc	10:16:27.076	0.0			T__	m_e
NEUB	144.79	PKPbc	10:16:15.612	0.2	37.0	3.04	TAS	a_e
NRDL	144.32	PKPbc	10:16:14.112	-0.6	37.0	3.04	TAS	a_e
PLN	145.21	PKPbc	10:16:17.062	0.3	37.0	3.04	TAS	a_e
PLN	145.21	pPKPbc	10:16:26.924	0.0			T__	m_e
RETH	144.35	PKPbc	10:16:14.362	0.0	37.0	3.04	TAS	a_e
RJOB	147.07	PKPbc	10:16:21.862		37.0	3.04	TAS	a_e
RJOB	147.07	pPKPbc	10:16:31.620	0.0			T__	m_e
ROTZ	145.76	PKPbc	10:16:19.012	-0.2	37.0	3.04	TAS	a_e
ROTZ	145.76	pPKPbc	10:16:28.697	0.0			T__	m_e
STU	147.74	PKPbc	10:16:24.362		37.0	3.04	TAS	a_e
TANN	145.15	PKPbc	10:16:16.812	0.5	37.0	3.04	TAS	a_e
TANN	145.15	pPKPbc	10:16:26.843	0.0			T__	m_e
TNS	146.79	PKPbc	10:16:23.462	0.2	37.0	3.04	TAS	a_e
TNS	146.79	pPKPbc	10:16:32.003	0.0			T__	m_e
UBBA	145.75	PKPbc	10:16:19.112	0.1	37.0	3.04	TAS	a_e
UBBA	145.75	pPKPbc	10:16:28.669	0.0			T__	m_e
UBR	148.26	PKPbc	10:16:25.212		37.0	3.04	TAS	a_e
UBR	148.26	pPKPbc	10:16:35.266	0.0			T__	m_e

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WERD	145.18	PKPbc	10:16:16.862	1.7	37.0	3.04	TAS	a_e
WERD	145.18	pPKPbc	10:16:26.896	0.0			T__	m_e
WERN	145.28	PKPbc	10:16:17.412	0.2	37.0	3.04	TAS	a_e
WERN	145.28	pPKPbc	10:16:27.396	0.0			T__	m_e
WET	145.96	PKPbc	10:16:19.412	-0.8	37.0	3.04	TAS	a_e
WET	145.96	pPKPbc	10:16:28.799	0.0			T__	m_e
WLF	148.03	PKPbc	10:16:25.862	-0.2	37.0	3.04	TAS	a_e
WLF	148.03	pPKPbc	10:16:35.767	0.0			T__	m_e

Event 71121007 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	14:23:37.70			-21.3300	168.2200				10.0					146.34	146.34	m i ke	EMSC
71121039																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.34		PKP	14:43:15.064		41.1		2.69		TAS				m_e	
GRA1	146.34		pPKP	14:43:24.798						T__				m_e	

Event 71121008 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	14:26:21.29			-24.2670	162.1870				33.1					146.00	146.00	m i ke	BGR
71121014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.00		PKPbc	14:45:57.150		52.3		3.36		TAS				m_e	
GRA1	146.00		pPKPbc	14:46:07.075						T__				m_e	

Event 71121009 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	14:29:01.30			-25.6730	177.3380				33.2					153.71	153.71	m i ke	BGR
71121015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.71		PKPbc	14:48:57.104		29.2		2.22		TAS				m_e	
GRA1	153.71		pPKPbc	14:49:07.129						T__				m_e	

Event 71121011 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	15:20:00.13			-25.3160	174.1290				33.0					152.28	152.28	m i ke	BGR
OrigID 71121017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.28		PKPbc	15:39:52.664		34.8		2.35		TAS				m_e	

Event 71121012 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	16:00:53.10			-20.4480	169.4890				41.6	2.6		29		143.97	148.31	m i ke	BGR
OrigID 71121018																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.34		PKPbc	16:20:23.476	0.1	38.4		3.06		TAS				a_e	
BFO	148.31		PKPbc	16:20:35.351		38.4		3.06		TAS				m_e	
BRG	144.05		PKPbc	16:20:23.026	-0.3	38.4		3.06		TAS				a_e	
CLL	144.11		PKPbc	16:20:22.176	-0.0	38.4		3.06		TAS				a_e	
CLZ	144.68		PKPbc	16:20:24.876	0.4	38.4		3.06		TAS				a_e	
FBE	144.26		PKPbc	16:20:23.176	0.2	38.4		3.06		TAS				a_e	
FLT1	143.97		PKPbc	16:20:21.726	-0.5	38.4		3.06		TAS				a_e	
GEC2	145.66		PKPbc	16:20:27.626	0.1	38.4		3.06		TAS				a_e	
GRA1	146.08		PKPbc	16:20:29.076	0.8	38.4		3.06		TAS				a_e	
GRA1	146.08		pPKPbc	16:20:41.202	-0.7					T__				m_e	
GTTG	145.07		PKPbc	16:20:26.126	0.4	38.4		3.06		TAS				a_e	
GTTG	145.07		pPKPbc	16:20:38.616	-0.7					T__				m_e	
GUNZ	145.11		PKPbc	16:20:26.176	-0.3	38.4		3.06		TAS				a_e	
GUNZ	145.11		pPKPbc	16:20:38.696	-0.7					T__				m_e	
IBBN	145.17		PKPbc	16:20:26.226	0.2	38.4		3.06		TAS				a_e	
IBBN	145.17		pPKPbc	16:20:39.482	-0.7					T__				m_e	
KAST	145.90		PKPbc	16:20:28.376	-0.3	38.4		3.06		TAS				a_e	
KAST	145.90		pPKPbc	16:20:40.770	-0.7					T__				m_e	

MANZ	145.49	PKPbc	16:20:27.426	0.3	38.4		3.06	TAS	a_e
MANZ	145.49	pPKPbc	16:20:39.788	-0.7				T__	m_e
MOX	145.17	PKPbc	16:20:26.176	-0.1	38.4		3.06	TAS	a_e
MOX	145.17	pPKPbc	16:20:38.592	-0.7				T__	m_e
NEUB	144.68	PKPbc	16:20:24.526	0.3	38.4		3.06	TAS	a_e
NRDL	144.24	PKPbc	16:20:23.076	0.1	38.4		3.06	TAS	a_e
PLN	145.08	PKPbc	16:20:25.976	0.4	38.4		3.06	TAS	a_e
PLN	145.08	pPKPbc	16:20:38.463	-0.7				T__	m_e
RETH	144.29	PKPbc	16:20:23.176	0.2	38.4		3.06	TAS	a_e
RJOB	146.88	PKPbc	16:20:30.726		38.4		3.06	TAS	a_e
RJOB	146.88	pPKPbc	16:20:43.728	-0.7				T__	m_e
ROTZ	145.62	PKPbc	16:20:27.926	-0.1	38.4		3.06	TAS	a_e
ROTZ	145.62	pPKPbc	16:20:40.188	-0.7				T__	m_e
TANN	145.01	PKPbc	16:20:25.726	0.1	38.4		3.06	TAS	m_e
TANN	145.01	pPKPbc	16:20:37.817	-0.7				T__	m_e
TNS	146.71	PKPbc	16:20:31.016		38.4		3.06	TAS	m_e
UBBA	145.65	PKPbc	16:20:28.026	-0.8	38.4		3.06	TAS	a_e
UBBA	145.65	pPKPbc	16:20:40.341	-0.7				T__	m_e
UBR	148.11	PKPbc	16:20:34.176		38.4		3.06	TAS	a_e
WERD	145.05	PKPbc	16:20:25.826	0.3	38.4		3.06	TAS	a_e
WERN	145.15	PKPbc	16:20:26.376	0.5	38.4		3.06	TAS	a_e
WET	145.80	PKPbc	16:20:28.326	-0.9	38.4		3.06	TAS	a_e
WLF	147.97	PKPbc	16:20:35.651		38.4		3.06	TAS	m_e

Event 71121013 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	16:17:45.22			-24.3900	167.4470				32.8					148.67	148.67	m i ke	BGR
71121019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.67		PKPbc	16:37:28.679		44.9		2.71		TAS					m_e
GRA1	148.67		pPKPbc	16:37:38.550						T__					m_e

Event 71121014 Norfolk Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	18:23:26.86			-26.3620	171.9960				33.5					152.38	152.38	m i ke	BGR
71121020																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.38		PKPbc	18:43:19.644		39.5		2.34		TAS				m_e	
GRA1	152.38		pPKPbc	18:43:29.764						T__				m_e	

Event 71122001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/21	23:40:53.74			-24.7390	171.3170				29.8					150.66	150.66	m i ke	BGR
OrigID 71122007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.66		PKPbc	00:00:42.358		39.1		2.50		TAS				m_e	
GRA1	150.66		pPKPbc	00:00:51.351						T__				m_e	

Event 71122002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/22	06:57:39.43			-23.8260	173.9840				34.3					150.87	150.87	m i ke	BGR
OrigID 71122008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.87		PKPbc	07:17:28.539		33.8		2.48		TAS				m_e	
GRA1	150.87		pPKPbc	07:17:38.877						T__				m_e	

Event 71122003 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/22	06:58:27.73			-24.0640	168.6800				34.3					148.94	148.94	m i ke	BGR
OrigID 71122009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.94		PKPbc	07:18:11.925		42.7		2.68		TAS				m_e	
GRA1	148.94		pPKPbc	07:18:22.251						T__				m_e	

Event 71122004 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/22	07:42:58.30			-36.3500	177.4400				20.0					163.32	163.32	m i ke	EMSC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	163.32		PKP	08:03:52.929		42.1		4.06		TAS				m_e	

Event 71122007 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/22	14:20:18.19			23.8800	121.9060				33.0					84.48	84.48	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 71122013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.48		P	14:32:47.013		64.6		4.95		TAS		21.2	1.35	m_e mb	5.2

Event 71122008 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/22	20:22:52.50			37.1200	28.5500				5.0				32	15.95	21.07	m i ke	KAN

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 71122014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.40		P	20:27:32.437	-1.7	128.6		10.94		TAS		65.6	1.24	m_e mb	4.9
ASSE	19.59		P	20:27:22.199	0.0	128.6		10.94		TAS		52.8	1.41	m_e mb	4.7
BFO	18.55		P	20:27:12.659	-1.0	128.6		10.94		TAS		96.9	1.20	m_e mb	4.9
BRG	17.26		P	20:26:58.000	-1.1	128.6		10.94		TAS		73.5	1.80	m_e mb	4.6
BSEG	21.01		P	20:27:38.021		128.6		10.94		TAS		114.3	1.27	m_e mb	5.3
BUG	20.80		P	20:27:35.229		128.6		10.94		TAS		177.1	1.32	m_e mb	5.3

CLL	17.98	P	20:27:05.911	1.3	128.6	10.94	TAS	47.7	1.25	m_e	mb	4.6
CLZ	19.54	P	20:27:22.199	-1.3	128.6	10.94	TAS	76.9	1.21	m_e	mb	4.9
FBE	17.55	P	20:27:00.559	-1.9	128.6	10.94	TAS	40.1	1.15	m_e	mb	4.5
FLT1	19.48	P	20:27:21.733	-1.0	128.6	10.94	TAS	155.4	1.75	m_e	mb	5.0
FUR	16.79	P	20:26:50.554	0.8	128.6	10.94	TAS	41.8	1.11	m_e	mb	4.5
GEC2	15.95	P	20:26:44.039	0.3	128.6	10.94	TAS	140.2	1.36	m_e	mb	4.9
GOR1	19.92	P	20:27:25.922	0.3	128.6	10.94	TAS	71.9	1.30	m_e	mb	4.8
GRA1	17.73	P	20:27:03.817	0.7	128.6	10.94	TAS	145.4	1.56	m_e	mb	5.0
GTTG	19.53	P	20:27:21.966	1.0	128.6	10.94	TAS	117.7	1.18	m_e	mb	5.1
GUNZ	17.63	P	20:27:02.654	-0.6	128.6	10.94	TAS	79.5	1.55	m_e	mb	4.7
IBBN	21.07	P	20:27:39.417		128.6	10.94	TAS	123.7	1.38	m_e	mb	5.3
KAST	20.08	P	20:27:28.481	0.6	128.6	10.94	TAS	106.4	1.46	m_e	mb	5.1
MANZ	17.48	P	20:26:58.698	-0.0	128.6	10.94	TAS	48.7	2.05	m_e	mb	4.4
MOX	18.15	P	20:27:09.169	1.4	128.6	10.94	TAS			m_e		
NRDL	20.10	P	20:27:29.645	1.4	128.6	10.94	TAS	111.0	1.35	m_e	mb	5.1
PLN	17.79	P	20:27:04.748	0.4	128.6	10.94	TAS	23.6	1.17	m_e	mb	4.3
RETH	20.60	P	20:27:34.764	-0.5	128.6	10.94	TAS	87.5	1.35	m_e	mb	5.0
ROTZ	17.29	P	20:26:57.535	-0.1	128.6	10.94	TAS	14.1	1.40	m_e	mb	4.0
STU	18.28	P	20:27:09.867	-0.6	128.6	10.94	TAS			m_e		
TANN	17.60	P	20:27:02.421	0.6	128.6	10.94	TAS	43.9	1.29	m_e	mb	4.5
TNS	19.49	P	20:27:21.035	-0.6	128.6	10.94	TAS	141.1	1.34	m_e	mb	5.1
UBR	17.19	P	20:26:54.742	-1.0	128.6	10.94	TAS	39.9	1.38	m_e	mb	4.5
WERD	17.70	P	20:27:02.188	0.9	128.6	10.94	TAS	27.3	1.18	m_e	mb	4.4
WERN	17.55	P	20:27:01.257	0.7	128.6	10.94	TAS	72.7	1.64	m_e	mb	4.6
WET	16.55	P	20:26:50.787	-1.9	128.6	10.94	TAS	122.4	1.23	m_e	mb	4.9
WLF	20.45	P	20:27:33.135		128.6	10.94	TAS	178.6	1.65	m_e	mb	5.2

Event 71122009 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/22	22:37:35.23	1.28	0.82	40.5340	22.9820	56.7	20.0	52	10.0				9 346	8.55	13.04	m i ke	BGR
71122015																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	71122015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	8.60		Sn	22:41:04.940	-0.9					T__				m_e	
ARSA	8.60		Pn	22:39:37.502	0.4					T__				m_e	ML 4.2
BFO	13.04		Pn	22:40:35.110	-1.5					T__				m_e	
DAVA	11.60		Pn	22:40:17.681	0.3					T__				m_e	
KBA	9.55		Pn	22:39:50.139	0.3					T__				m_e	
MOA	9.62		Pn	22:39:52.201	1.4					T__				m_e	
OBKA	8.55		Pn	22:39:36.253	-0.1					T__				m_e	ML 4.4
RJOB	10.26		Pn	22:39:58.690	-0.7					T__				m_e	
UBR	11.68		Pn	22:40:17.995	-0.5					T__				m_e	

WTTA	10.59	Sn	22:41:53.087	0.9	T__	m_e
WTTA	10.59	Pn	22:40:04.154	0.4	T__	m_e

Event 71123001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/23	09:05:28.90			46.8300	152.7800				30.0					78.25	78.25	m i ke	EMSC
OrigID 71123033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71123007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.25		P	09:17:25.669		25.8		4.89		TAS		9.7	0.93	m_e mb	4.9

Event 71123002 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/23	09:43:35.00			29.4000	108.1600				10.0					72.37	72.37	m i ke	EMSC
OrigID 71123034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	71123008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	72.37		P	09:55:02.281		65.4		5.31		TAS		13.3	0.70	m_e mb	5.2

Event 71123004 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/23	15:45:09.90			-21.1900	168.4400				10.0					146.31	146.31	m i ke	EMSC
OrigID 71123036																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.31		PKPbc	16:04:51.787		40.6		2.78		TAS				m_e	
GRA1	146.31		pPKPbc	16:05:00.979						T__				m_e	

Event 71123005 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/23	18:02:44.20			27.9070	129.8640				33.0					85.50	85.50	m i ke	BGR
OrigID 71123011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	71123011
Ms	5.2		BGR	71123011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.50		P	18:15:17.902		59.0		4.59		TAS		28.6	1.10	m_e	mb 5.4
GRA1	85.50		L	18:55:39.575						T__		890.7	18.40	a_e	Ms 5.2

Event 71123006 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/23	18:09:40.00			-21.6600	168.7300				10.0					146.85	146.85	m i ke	NEIC
OrigID 71123045																	

Magnitude	Err	Nsta	Author	OrigID
mb				
Ms				

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.85		PKP	18:29:21.986		40.6		2.82		TAS				m_e	

Event 71124002 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/24	21:49:50.76			39.5860	26.9050				10.0				8	13.22	18.34	m i ke	BGR
OrigID 71124008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	71124008
Ms	4.5		BGR	71124008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	17.72		P	21:53:54.475		126.4		11.18		TAS		50.3	1.00	m_e	mb 4.6
ASSE	16.84		P	21:53:44.623	0.3	126.4		11.18		TAS		14.0	1.05	m_e	mb 4.0
BFO	15.95		P	21:53:34.397		126.4		11.18		TAS		43.0	1.02	m_e	mb 4.5
BRG	14.49		P	21:53:17.419		126.4		11.18		TAS				m_e	
BSEG	18.24		P	21:53:57.867	-0.1	126.4		11.18		TAS		66.7	0.96	m_e	mb 4.7

BUG	18.10	P	21:53:59.004	0.3	126.4	11.18	TAS	69.1	1.04	m_e	mb	4.7
CLL	15.22	P	21:53:25.934	0.3	126.4	11.18	TAS	18.4	1.00	m_e		
FBE	14.79	P	21:53:20.893		126.4	11.18	TAS	13.4	0.87	m_e		
FLT1	16.72	P	21:53:43.052	0.7	126.4	11.18	TAS	23.3	1.10	m_e		
GEC2	13.22	P	21:53:04.730		126.4	11.18	TAS	40.0	1.00	m_e		
GRA1	15.03	P	21:53:25.930		126.4	11.18	TAS	30.5	0.92	m_e		
GRA1	15.03	L	22:00:45.625				T__	4106.3	18.30	a_e	Ms	4.6
GTTG	16.79	P	21:53:44.374	0.3	126.4	11.18	TAS	51.3	0.90	m_e		
GUNZ	14.89	P	21:53:23.915		126.4	11.18	TAS			m_e		
IBBN	18.34	P	21:54:01.549	0.7	126.4	11.18	TAS	38.0	0.99	m_e		
KAST	17.37	P	21:53:50.975		126.4	11.18	TAS	24.1	1.06	m_e		
MANZ	14.75	P	21:53:22.155		126.4	11.18	TAS	3.2	0.88	m_e		
MOX	15.42	P	21:53:29.605		126.4	11.18	TAS	17.4	0.91	m_e		
MOX	15.42	L	22:00:33.586				T__	2913.2	19.00	a_e	Ms	4.5
NEUB	15.70	P	21:53:31.994	-0.1	126.4	11.18	TAS			m_e		
NRDL	17.34	P	21:53:49.931	-0.1	126.4	11.18	TAS	36.8	1.02	m_e		
ROTZ	14.57	P	21:53:20.103		126.4	11.18	TAS	3.5	0.99	m_e		
STU	15.65	P	21:53:31.948		126.4	11.18	TAS	224.0	1.00	m_e		
TANN	14.86	P	21:53:23.322		126.4	11.18	TAS	12.1	0.89	m_e		
TNS	16.81	P	21:53:45.025		126.4	11.18	TAS	48.3	1.00	m_e		
UBBA	16.33	P	21:53:39.097	-0.1	126.4	11.18	TAS			m_e		
UBR	14.59	P	21:53:19.035		126.4	11.18	TAS			m_e		
WERD	14.95	P	21:53:24.230		126.4	11.18	TAS	11.4	0.94	m_e		
WERN	14.81	P	21:53:23.144		126.4	11.18	TAS	13.0	0.90	m_e		
WET	13.83	P	21:53:11.747		126.4	11.18	TAS	42.0	1.01	m_e		
WLF	17.83	P	21:53:54.875		126.4	11.18	TAS			m_e		

Event 71125001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/25	15:37:08.13			-21.1770	175.0690			21.7		1.3		12		146.47	150.90	m i ke	BGR
71125007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.89		PKPbc	15:56:57.644	-0.1	30.0		2.70		TAS					m_e
BRG	146.87		PKPbc	15:56:47.184	0.2	30.0		2.70		TAS					m_e
BRG	146.87		pPKPbc	15:56:53.418	-0.1					T__					m_e
CLL	146.82		PKPbc	15:56:46.356	-0.1	30.0		2.70		TAS					m_e
CLL	146.82		pPKPbc	15:56:52.899	-0.1					T__					m_e
FBE	147.03		PKPbc	15:56:47.184	0.3	30.0		2.70		TAS					m_e
FLT1	146.47		PKPbc	15:56:45.639	-0.5	30.0		2.70		TAS					m_e
FLT1	146.47		pPKPbc	15:56:52.179	-0.1					T__					m_e
GEC2	148.63		PKPbc	15:56:51.546		30.0		2.70		TAS					m_e
GEC2	148.63		pPKPbc	15:56:58.093	-0.1					T__					m_e

GUNZ	147.85	PKPbc	15:56:49.338	0.1	30.0	2.70	TAS	m_e
GUNZ	147.85	pPKPbc	15:56:56.245	-0.1			T__	m_e
MANZ	148.24	PKPbc	15:56:50.592	-0.4	30.0	2.70	TAS	m_e
NRDL	146.65	PKPbc	15:56:46.182		30.0	2.70	TAS	m_e
ROTZ	148.40	PKPbc	15:56:50.875	-0.2	30.0	2.70	TAS	m_e
TANN	147.76	PKPbc	15:56:49.289	-0.1	30.0	2.70	TAS	m_e
TANN	147.76	pPKPbc	15:56:55.832	-0.1			T__	m_e
UBR	150.90	PKPbc	15:56:57.635		30.0	2.70	TAS	m_e
UBR	150.90	pPKPbc	15:57:03.852	-0.1			T__	m_e
WERD	147.78	PKPbc	15:56:49.456	0.4	30.0	2.70	TAS	m_e
WERN	147.90	PKPbc	15:56:49.547	0.5	30.0	2.70	TAS	m_e
WET	148.69	PKPbc	15:56:51.637	-0.1	30.0	2.70	TAS	m_e
WET	148.69	pPKPbc	15:56:58.316	-0.1			T__	m_e

Event 71125002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/25	17:30:02.19			-21.6830	177.4590				33.0				8	150.00	150.00	m i ke	BGR
71125008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.00		PKPbc	17:49:49.081			33.9	1.97		TAS					m_e

Event 71125004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/25	23:05:24.10			-20.0170	-173.8620				33.0				12	145.99	152.22	m i ke	BGR
71125010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.70		PKPbc	23:25:15.754		9.6		2.56		TAS					m_e
BRG	148.60		PKPbc	23:25:07.708	0.1	9.6		2.56		TAS					m_e
BSEG	145.99		PKPbc	23:25:00.723	0.1	9.6		2.56		TAS					m_e
BUG	148.63		PKPbc	23:25:08.061	0.1	9.6		2.56		TAS					m_e
CLL	148.31		PKPbc	23:25:06.757	0.0	9.6		2.56		TAS					m_e
FBE	148.64		PKPbc	23:25:07.927	0.1	9.6		2.56		TAS					m_e
GEC2	150.60		PKPbc	23:25:12.827		9.6		2.56		TAS					m_e
GTTG	148.39		PKPbc	23:25:06.968	0.1	9.6		2.56		TAS					m_e
GUNZ	149.32		PKPbc	23:25:09.358	0.0	9.6		2.56		TAS					m_e

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KAST	148.83	PKPbc	23:25:08.216	0.1	9.6	2.56	TAS	m_e
MANZ	149.72	PKPbc	23:25:10.623		9.6	2.56	TAS	m_e
NEUB	148.57	PKPbc	23:25:07.484	-0.2	9.6	2.56	TAS	m_e
NRDL	147.44	PKPbc	23:25:04.531	0.1	9.6	2.56	TAS	m_e
ROTZ	149.92	PKPbc	23:25:10.926		9.6	2.56	TAS	m_e
TANN	149.25	PKPbc	23:25:09.322	0.0	9.6	2.56	TAS	m_e
TNS	149.81	PKPbc	23:25:10.986		9.6	2.56	TAS	m_e
UBR	152.22	PKPbc	23:25:16.947		9.6	2.56	TAS	m_e
WERD	149.24	PKPbc	23:25:09.358	-0.1	9.6	2.56	TAS	m_e

Event 71126001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/26	06:07:33.45			52.8000	-179.6200				33.0			13		76.07	79.56	m i ke	BGR
71126007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	71126007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.02		P	06:19:34.659	0.1	7.5		5.46		TAS		3.4	0.89	m_e mb	4.4
BRG	76.07		P	06:19:18.260	0.9	7.5		5.46		TAS		5.1	0.74	m_e mb	4.7
FBE	76.08		P	06:19:18.227	0.1	7.5		5.46		TAS		14.6	1.27	m_e mb	5.0
GEC2	78.10		P	06:19:29.415		7.5		5.46		TAS		2.3	0.89	m_e mb	4.3
GRA1	77.47		P	06:19:26.110	0.1	7.5		5.46		TAS				m_e	
GUNZ	76.72		P	06:19:21.928	-0.2	7.5		5.46		TAS				m_e	
MANZ	77.11		P	06:19:23.748	-0.1	7.5		5.46		TAS		0.5	0.88	m_e mb	3.7
MOX	76.50		P	06:19:20.620	-0.8	7.5		5.46		TAS				m_e	
ROTZ	77.32		P	06:19:25.297	1.6	7.5		5.46		TAS		0.4	0.81	m_e mb	3.6
UBR	79.56		P	06:19:37.459	0.1	7.5		5.46		TAS				m_e	
WERD	76.64		P	06:19:20.998	-0.7	7.5		5.46		TAS				m_e	
WERN	76.79		P	06:19:22.129	-0.2	7.5		5.46		TAS				m_e	
WET	77.88		P	06:19:28.420	-0.4	7.5		5.46		TAS		2.8	0.96	m_e mb	4.4

Event 71126002 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/26	14:20:34.22			-15.8470	-172.7830				133.6	2.8		15		144.32	148.17	m i ke	BGR
71126008																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	147.59	PKPbc	14:40:14.506	0.1	6.9	3.35	TAS	m_e
BRG	144.64	PKPbc	14:40:05.565	-0.5	6.9	3.35	TAS	m_e
BUG	144.49	PKPbc	14:40:05.306	0.3	6.9	3.35	TAS	m_e
CLL	144.32	PKPbc	14:40:04.072	0.1	6.9	3.35	TAS	m_e
CLL	144.32	pPKPbc	14:40:39.607	0.1			T__	m_e
FBE	144.67	PKPbc	14:40:05.611	0.4	6.9	3.35	TAS	m_e
GEC2	146.67	PKPbc	14:40:12.017	0.1	6.9	3.35	TAS	m_e
GRA1	146.09	PKPbc	14:40:10.076	0.1	6.9	3.35	TAS	m_e
GTTG	144.32	PKPbc	14:40:04.278	0.3	6.9	3.35	TAS	m_e
GUNZ	145.32	PKPbc	14:40:08.002	-0.1	6.9	3.35	TAS	m_e
GUNZ	145.32	pPKPbc	14:40:42.709	0.1			T__	m_e
KAST	144.72	PKPbc	14:40:05.814	0.1	6.9	3.35	TAS	m_e
MANZ	145.72	PKPbc	14:40:09.257	0.0	6.9	3.35	TAS	m_e
MOX	145.11	PKPbc	14:40:06.861	0.1	6.9	3.35	TAS	m_e
NEUB	144.55	PKPbc	14:40:04.996	0.1	6.9	3.35	TAS	m_e
ROTZ	145.93	PKPbc	14:40:09.967		6.9	3.35	TAS	m_e
TANN	145.26	PKPbc	14:40:07.511	0.1	6.9	3.35	TAS	m_e
TANN	145.26	pPKPbc	14:40:42.706	0.1			T__	m_e
TNS	145.70	PKPbc	14:40:09.421	0.0	6.9	3.35	TAS	m_e
UBBA	145.04	PKPbc	14:40:07.075	0.1	6.9	3.35	TAS	m_e
UBR	148.17	PKPbc	14:40:16.142	0.1	6.9	3.35	TAS	m_e
WERD	145.24	PKPbc	14:40:07.729	-0.2	6.9	3.35	TAS	m_e
WERD	145.24	pPKPbc	14:40:42.396	0.1			T__	m_e
WERN	145.40	PKPbc	14:40:08.002	0.1	6.9	3.35	TAS	m_e
WERN	145.40	pPKPbc	14:40:43.875	0.1			T__	m_e
WET	146.47	PKPbc	14:40:11.353	0.1	6.9	3.35	TAS	m_e
WLF	146.26	PKPbc	14:40:11.433	0.1	6.9	3.35	TAS	m_e

Event 71127001 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/27	01:41:13.31			50.7090	151.1530				33.0			13		71.89	74.54	m i ke	BGR
71127007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	71127007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	72.45		P	01:52:34.912	0.1	25.1		5.85		TAS		3.8	1.09	m_e mb	4.4
CLL	72.33		P	01:52:34.078	-0.4	25.1		5.85		TAS		6.8	0.83	m_e mb	4.8
FBE	72.58		P	01:52:35.583	0.0	25.1		5.85		TAS		4.7	0.82	m_e mb	4.7
FLT1	71.89		P	01:52:31.481	0.1	25.1		5.85		TAS		5.6	0.73	m_e mb	4.8
GEC2	74.34		P	01:52:46.053		25.1		5.85		TAS		2.3	0.90	m_e mb	4.2
GRA1	74.28		P	01:52:45.690	-0.1	25.1		5.85		TAS		8.1	0.84	m_e mb	4.8
GUNZ	73.37		P	01:52:40.272	0.6	25.1		5.85		TAS		1.8	0.86	m_e mb	4.2
MANZ	73.77		P	01:52:42.839	-0.2	25.1		5.85		TAS		0.7	1.02	m_e mb	3.6

MOX	73.31	P	01:52:39.884	-0.2	25.1	5.85	TAS	4.9	1.16	m_e	mb	4.5
ROTZ	73.94	P	01:52:43.980	0.0	25.1	5.85	TAS	0.8	0.90	m_e	mb	3.7
TANN	73.28	P	01:52:39.952	0.2	25.1	5.85	TAS	1.0	0.76	m_e	mb	4.0
TNS	74.54	P	01:52:47.492	0.1	25.1	5.85	TAS	5.4	0.69	m_e	mb	4.7
WERD	73.30	P	01:52:39.936	0.3	25.1	5.85	TAS	1.1	0.74	m_e	mb	4.1
WERN	73.42	P	01:52:40.653	-0.1	25.1	5.85	TAS	4.5	0.92	m_e	mb	4.6
WET	74.31	P	01:52:46.053		25.1	5.85	TAS	2.3	0.70	m_e	mb	4.3

Event 71127002 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/27	07:11:17.95			-0.4000	150.9500				33.0			30		117.00	122.43	m i ke	BGR
71127008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	71127008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	118.66		PKPdf	07:30:03.158	-0.1	49.0		1.88		TAS				m_e		
BFO	122.37		PKPdf	07:30:10.245		49.0		1.88		TAS				m_e		
BRG	117.96		PKPdf	07:30:01.641	0.7	49.0		1.88		TAS				m_e		
BSEG	117.56		PKPdf	07:30:00.981	-0.1	49.0		1.88		TAS				m_e		
BUG	120.64		PKPdf	07:30:06.911		49.0		1.88		TAS				m_e		
CLL	118.13		PKPdf	07:30:01.980	0.1	49.0		1.88		TAS				m_e		
FBE	118.21		PKPdf	07:30:02.338	0.0	49.0		1.88		TAS				m_e		
FLT1	118.27		PKPdf	07:30:02.304	0.3	49.0		1.88		TAS				m_e		
FUR	121.03		PKPdf	07:30:07.614		49.0		1.88		TAS				m_e		
GEC2	119.36		PKPdf	07:30:04.551		49.0		1.88		TAS				m_e		
GRA1	120.05		PKPdf	07:30:05.950		49.0		1.88		TAS				m_e		
GRA1	120.05		L	08:29:55.118						T__		1656.3	20.30	a_e	Ms	5.7
GTTG	119.38		PKPdf	07:30:04.508	-0.1	49.0		1.88		TAS				m_e		
GUNZ	119.07		PKPdf	07:30:03.891	0.7	49.0		1.88		TAS				m_e		
IBBN	119.81		PKPdf	07:30:05.239		49.0		1.88		TAS				m_e		
KAST	120.31		PKPdf	07:30:06.354	-0.1	49.0		1.88		TAS				m_e		
MANZ	119.42		PKPdf	07:30:04.476		49.0		1.88		TAS				m_e		
MOX	119.23		PKPdf	07:30:04.118	0.7	49.0		1.88		TAS				m_e		
MOX	119.23		L	08:27:48.265						T__		1502.1	21.40	a_e	Ms	5.6
NEUB	118.79		PKPdf	07:30:03.419	-0.1	49.0		1.88		TAS				m_e		
NRDL	118.66		PKPdf	07:30:03.041		49.0		1.88		TAS				m_e		
ROTZ	119.52		PKPdf	07:30:04.955		49.0		1.88		TAS				m_e		
RUE	117.00		PKPdf	07:29:59.863	0.2	49.0		1.88		TAS				m_e		
STU	121.65		PKPdf	07:30:08.983		49.0		1.88		TAS				m_e		
TANN	118.97		PKPdf	07:30:03.682		49.0		1.88		TAS				m_e		
TNS	120.99		PKPdf	07:30:07.777	0.7	49.0		1.88		TAS				m_e		
UBBA	119.86		PKPdf	07:30:05.315	0.7	49.0		1.88		TAS				m_e		
UBR	121.94		PKPdf	07:30:09.354		49.0		1.88		TAS				m_e		

WERD	119.03	PKPdf	07:30:03.568	-0.0	49.0	1.88	TAS	m_e
WERN	119.10	PKPdf	07:30:04.173		49.0	1.88	TAS	m_e
WET	119.59	PKPdf	07:30:05.240		49.0	1.88	TAS	m_e
WLF	122.43	PKPdf	07:30:10.829		49.0	1.88	TAS	m_e

Event 71127003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/27	07:54:22.15			-22.0690	170.0000				26.6	1.6		17		145.64	149.98	m i ke	BGR
71127009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.98		PKPbc	08:14:09.723		38.9		2.82		TAS				m_e	
BRG	145.71		PKPbc	08:13:57.610	-0.3	38.9		2.82		TAS				m_e	
CLL	145.77		PKPbc	08:13:57.726	0.1	38.9		2.82		TAS				m_e	
FBE	145.92		PKPbc	08:13:58.513	-0.8	38.9		2.82		TAS				m_e	
FLT1	145.64		PKPbc	08:13:57.262	-0.8	38.9		2.82		TAS				m_e	
GEC2	147.30		PKPbc	08:14:02.327		38.9		2.82		TAS				m_e	
GTTG	146.74		PKPbc	08:14:00.558	0.6	38.9		2.82		TAS				m_e	
GTTG	146.74		pPKPbc	08:14:08.843	-0.1					T__				m_e	
GUNZ	146.76		PKPbc	08:14:01.090	-0.1	38.9		2.82		TAS				m_e	
IBBN	146.85		PKPbc	08:14:00.908	-0.4	38.9		2.82		TAS				m_e	
IBBN	146.85		pPKPbc	08:14:09.367	-0.1					T__				m_e	
KAST	147.57		PKPbc	08:14:03.040	-0.8	38.9		2.82		TAS				m_e	
KAST	147.57		pPKPbc	08:14:11.036	-0.1					T__				m_e	
MANZ	147.15		PKPbc	08:14:01.935	0.1	38.9		2.82		TAS				m_e	
MOX	146.84		PKPbc	08:14:01.057	-0.1	38.9		2.82		TAS				m_e	
MOX	146.84		pPKPbc	08:14:08.705	-0.1					T__				m_e	
ROTZ	147.27		PKPbc	08:14:02.365	-0.3	38.9		2.82		TAS				m_e	
ROTZ	147.27		pPKPbc	08:14:10.179	-0.1					T__				m_e	
TANN	146.67		PKPbc	08:14:00.569	0.5	38.9		2.82		TAS				m_e	
TANN	146.67		pPKPbc	08:14:08.427	-0.1					T__				m_e	
TNS	148.38		PKPbc	08:14:05.917	-0.1	38.9		2.82		TAS				m_e	
UBR	149.77		PKPbc	08:14:09.318		38.9		2.82		TAS				m_e	
UBR	149.77		pPKPbc	08:14:17.215	-0.1					T__				m_e	
WERD	146.71		PKPbc	08:14:00.511	0.1	38.9		2.82		TAS				m_e	
WERN	146.81		PKPbc	08:14:01.554	-0.1	38.9		2.82		TAS				m_e	
WET	147.45		PKPbc	08:14:02.816	-0.1	38.9		2.82		TAS				m_e	
WLF	149.64		PKPbc	08:14:09.809	-0.3	38.9		2.82		TAS				m_e	

Event 71127004 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/27	22:18:43.33			61.2700	-147.5100				17.2	2.1		27		63.80	70.19	m i k e	BGR
71127010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	71127010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	69.03		P	22:29:45.805		349.1		6.38		TAS		10.0	0.89	m_e	mb 5.1
BFO	69.03		pP	22:29:50.632	-0.0					T__				m_e	
BRG	67.22		P	22:29:35.132		349.1		6.38		TAS		12.1	0.87	m_e	mb 5.1
BSEG	63.80		P	22:29:12.740	-0.2	349.1		6.38		TAS		16.3	0.92	m_e	mb 5.2
BUG	65.84		P	22:29:26.039		349.1		6.38		TAS		21.2	0.78	m_e	mb 5.4
CLL	66.69		P	22:29:31.484		349.1		6.38		TAS		11.4	0.83	m_e	mb 5.1
FBE	67.11		P	22:29:34.085		349.1		6.38		TAS		11.4	0.85	m_e	mb 5.1
FLT1	65.49		P	22:29:23.744		349.1		6.38		TAS		11.9	0.93	m_e	mb 5.1
FUR	69.59		P	22:29:49.961		349.1		6.38		TAS		36.5	0.82	m_e	mb 5.5
GEC2	69.20		P	22:29:47.290		349.1		6.38		TAS		8.1	0.88	m_e	mb 5.0
GRA1	68.08		P	22:29:40.264		349.1		6.38		TAS		13.5	0.84	m_e	mb 5.2
GTTG	66.10		P	22:29:27.603		349.1		6.38		TAS		37.6	0.94	m_e	mb 5.6
GTTG	66.10		pP	22:29:32.452	-0.0					T__				m_e	
GUNZ	67.55		P	22:29:36.503		349.1		6.38		TAS		11.2	0.88	m_e	mb 5.1
IBBN	65.07		P	22:29:21.026		349.1		6.38		TAS		20.3	0.80	m_e	mb 5.4
KAST	66.23		P	22:29:28.183	-0.0	349.1		6.38		TAS		10.5	0.91	m_e	mb 5.1
KAST	66.23		pP	22:29:33.626	-0.0					T__				m_e	
MANZ	67.89		P	22:29:38.811		349.1		6.38		TAS		1.9	1.01	m_e	mb 4.3
MOX	67.19		P	22:29:34.326	-0.1	349.1		6.38		TAS		23.4	0.82	m_e	mb 5.5
NRDL	65.19		P	22:29:21.294		349.1		6.38		TAS		19.7	0.99	m_e	mb 5.3
RJOB	70.19		P	22:29:52.995		349.1		6.38		TAS		13.1	0.83	m_e	mb 5.1
ROTZ	68.12		P	22:29:40.857		349.1		6.38		TAS		3.2	0.86	m_e	mb 4.6
ROTZ	68.12		pP	22:29:45.212	-0.0					T__				m_e	
RUE	65.63		P	22:29:24.702		349.1		6.38		TAS				m_e	
TANN	67.51		P	22:29:36.503		349.1		6.38		TAS		14.7	0.97	m_e	mb 5.2
TANN	67.51		pP	22:29:41.535	-0.0					T__				m_e	
TNS	67.20		P	22:29:34.402		349.1		6.38		TAS		7.9	0.82	m_e	mb 5.0
UBR	69.91		P	22:29:51.743		349.1		6.38		TAS		22.1	0.93	m_e	mb 5.3
UBR	69.91		pP	22:29:56.317	-0.0					T__				m_e	
WERD	67.46		P	22:29:35.769		349.1		6.38		TAS		11.7	0.83	m_e	mb 5.1
WERN	67.63		P	22:29:37.394		349.1		6.38		TAS		14.5	0.94	m_e	mb 5.2
WET	68.81		P	22:29:44.915		349.1		6.38		TAS		20.8	0.99	m_e	mb 5.3
WLF	67.41		P	22:29:36.476		349.1		6.38		TAS		21.7	0.95	m_e	mb 5.4

Event 71127005 Tonga Islands

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

2017/11/27 22:45:35.19
71127011

-15.9510 -173.9410

33.0

16

143.47 148.19 m i ke BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.66		PKPbc	23:05:15.730	-0.3	8.9		3.10		TAS				m_e	
BRG	144.59		PKPbc	23:05:06.196	-0.6	8.9		3.10		TAS				m_e	
CLL	144.29		PKPbc	23:05:05.154	0.3	8.9		3.10		TAS				m_e	
FBE	144.63		PKPbc	23:05:06.169	0.3	8.9		3.10		TAS				m_e	
FLT1	143.47		PKPbc	23:05:02.375	-0.7	8.9		3.10		TAS				m_e	
FUR	147.59		PKPbc	23:05:15.555		8.9		3.10		TAS				m_e	
GEC2	146.60		PKPbc	23:05:11.867		8.9		3.10		TAS				m_e	
GRA1	146.09		PKPbc	23:05:11.047	-0.3	8.9		3.10		TAS				m_e	
GTTG	144.35		PKPbc	23:05:05.274	-0.7	8.9		3.10		TAS				m_e	
GUNZ	145.30		PKPbc	23:05:08.295	0.3	8.9		3.10		TAS				m_e	
MANZ	145.70		PKPbc	23:05:09.814	0.7	8.9		3.10		TAS				m_e	
MOX	145.10		PKPbc	23:05:07.124	-0.1	8.9		3.10		TAS				m_e	
RJOB	147.82		PKPbc	23:05:15.848		8.9		3.10		TAS				m_e	
ROTZ	145.90		PKPbc	23:05:10.169	-0.6	8.9		3.10		TAS				m_e	
STU	147.17		PKPbc	23:05:14.919	-0.3	8.9		3.10		TAS				m_e	
TANN	145.24		PKPbc	23:05:08.295	-0.0	8.9		3.10		TAS				m_e	
TNS	145.76		PKPbc	23:05:10.156	-0.6	8.9		3.10		TAS				m_e	
UBR	148.19		PKPbc	23:05:17.370		8.9		3.10		TAS				m_e	
WERD	145.22		PKPbc	23:05:07.944	0.2	8.9		3.10		TAS				m_e	
WERN	145.37		PKPbc	23:05:08.881	-0.1	8.9		3.10		TAS				m_e	
WET	146.43		PKPbc	23:05:11.620	-0.3	8.9		3.10		TAS				m_e	
WLF	146.38		PKPbc	23:05:12.587	0.7	8.9		3.10		TAS				m_e	

Event 71128001 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/28	13:15:50.43		72.2600		4.5100				10.0				27	18.56	24.90	m i ke	BGR
71128007																	

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 71128007
Ms 5.0 BGR 71128007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	20.39		P	13:20:27.490	-0.2	355.5		10.38		TAS				m_e	
BFO	24.07		P	13:21:05.362		355.5		10.38		TAS		60.9	1.05	m_e mb	5.1
BRG	21.87		P	13:20:43.205	-0.4	355.5		10.38		TAS				m_e	
BSEG	18.56		P	13:20:08.702	0.3	355.5		10.38		TAS		22.0	0.95	m_e mb	4.4
BUG	20.93		P	13:20:33.367	-0.4	355.5		10.38		TAS				m_e	
CLL	21.36		P	13:20:37.444	-0.4	355.5		10.38		TAS				m_e	

FBE	21.77	P	13:20:41.983	-0.4	355.5	10.38	TAS											m_e	
FLT1	20.22	P	13:20:25.468	-0.2	355.5	10.38	TAS			32.3	0.97	m_e	mb						4.5
GEC2	23.86	P	13:21:03.982		355.5	10.38	TAS			18.3	0.83	m_e	mb						4.6
GRA1	22.85	L	13:29:25.424				T__			6769.3	21.70	a_e	Ms						5.0
GTTG	20.93	P	13:20:33.922	0.3	355.5	10.38	TAS			48.7	0.97	m_e	mb						4.8
GUNZ	22.25	P	13:20:47.306	-0.4	355.5	10.38	TAS											m_e	
IBBN	20.08	P	13:20:24.152	0.7	355.5	10.38	TAS			75.9	1.11	m_e	mb						4.8
KAST	21.20	P	13:20:36.523	0.6	355.5	10.38	TAS			22.7	0.93	m_e	mb						4.5
MANZ	22.61	P	13:20:51.168	-0.4	355.5	10.38	TAS			5.6	1.05	m_e	mb						4.0
MOX	21.92	P	13:20:43.763		355.5	10.38	TAS			27.6	0.97	m_e	mb						4.7
MOX	21.92	L	13:28:46.648				T__			5595.7	21.80	a_e	Ms						4.9
NEUB	21.39	P	13:20:38.350	1.4	355.5	10.38	TAS			60.0	0.84	m_e	mb						5.0
NRDL	19.99	P	13:20:23.635		355.5	10.38	TAS			58.5	1.03	m_e	mb						4.8
RJOB	24.90	P	13:21:14.558		355.5	10.38	TAS											m_e	
ROTZ	22.84	P	13:20:53.843	-0.4	355.5	10.38	TAS			5.9	1.15	m_e	mb						4.0
TANN	22.21	P	13:20:47.121	-0.4	355.5	10.38	TAS											m_e	
TNS	22.19	P	13:20:47.024	-0.4	355.5	10.38	TAS											m_e	
UBBA	21.66	P	13:20:41.513		355.5	10.38	TAS											m_e	
UBR	24.80	P	13:21:12.651		355.5	10.38	TAS			17.4	0.91	m_e	mb						4.8
WERD	22.17	P	13:20:46.773	-0.4	355.5	10.38	TAS											m_e	
WERN	22.33	P	13:20:48.750	-0.4	355.5	10.38	TAS											m_e	
WET	23.50	P	13:21:00.913		355.5	10.38	TAS											m_e	
WLF	22.69	P	13:20:51.705		355.5	10.38	TAS			26.3	1.01	m_e	mb						4.7

Event 71129001 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/29	03:36:28.16			-26.4320	-9.7510				10.0					78.05	78.05	m i ke	BGR
71129007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	71129007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.05		P	03:48:25.776		202.8		6.21		TAS		5.8	0.88	m_e	mb	4.7

Event 71129002 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/29	22:32:31.70			47.1400	148.2100				29.8	1.5		27		73.15	78.74	m i ke	BGR
71129008																	

Magnitude	Err	Nsta	Author	OrigID

mb 5.0 BGR 71129008
 Ms 4.9 BGR 71129008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	74.64		P	22:44:08.348	-1.1	29.5		5.65		TAS		8.0	1.00	m_e	mb 4.7
BFO	78.71		P	22:44:31.513		29.5		5.65		TAS		24.2	1.18	m_e	mb 5.1
BRG	74.73		P	22:44:09.447	0.1	29.5		5.65		TAS		10.7	1.04	m_e	mb 4.8
BSEG	73.15		P	22:43:59.943	-0.1	29.5		5.65		TAS		11.2	0.86	m_e	mb 5.0
BSEG	73.15		pP	22:44:08.769	0.4					T__				m_e	
BUG	76.22		P	22:44:17.451	0.4	29.5		5.65		TAS		23.5	1.01	m_e	mb 5.3
BUG	76.22		pP	22:44:26.146	0.4					T__				m_e	
CLL	74.65		P	22:44:08.087	0.4	29.5		5.65		TAS		27.3	0.96	m_e	mb 5.3
FBE	74.87		P	22:44:10.004		29.5		5.65		TAS		16.4	0.93	m_e	mb 5.0
FBE	74.87		pP	22:44:18.106	0.4					T__				m_e	
FLT1	74.30		P	22:44:05.996	0.2	29.5		5.65		TAS		31.7	1.14	m_e	mb 5.2
FLT1	74.30		pP	22:44:14.822	0.4					T__				m_e	
FUR	77.94		P	22:44:26.968		29.5		5.65		TAS		36.0	0.99	m_e	mb 5.5
GEC2	76.56		P	22:44:18.801		29.5		5.65		TAS		8.7	0.88	m_e	mb 4.9
GEC2	76.56		pP	22:44:27.514	0.4					T__				m_e	
GRA1	76.62		P	22:44:20.184		29.5		5.65		TAS		28.3	0.82	m_e	mb 5.4
GRA1	76.62		L	23:25:13.316						T__		874.9	18.50	a_e	Ms 5.1
GTTG	75.36		P	22:44:12.252	0.4	29.5		5.65		TAS		16.8	0.98	m_e	mb 5.0
GUNZ	75.68		P	22:44:14.322	-0.1	29.5		5.65		TAS		9.1	0.88	m_e	mb 4.9
IBBN	75.31		P	22:44:12.427	-1.1	29.5		5.65		TAS		32.2	1.09	m_e	mb 5.3
KAST	76.11		P	22:44:16.789	0.4	29.5		5.65		TAS		15.0	0.98	m_e	mb 5.1
KAST	76.11		pP	22:44:25.681	0.4					T__				m_e	
MANZ	76.08		P	22:44:16.825		29.5		5.65		TAS		2.3	0.90	m_e	mb 4.3
MOX	75.66		P	22:44:14.540	0.4	29.5		5.65		TAS		10.9	0.92	m_e	mb 5.0
MOX	75.66		pP	22:44:23.037	0.4					T__				m_e	
MOX	75.66		L	23:24:14.318						T__		470.3	20.30	a_e	Ms 4.8
NEUB	75.13		P	22:44:11.112		29.5		5.65		TAS		24.0	0.92	m_e	mb 5.2
NRDL	74.48		P	22:44:07.434	0.1	29.5		5.65		TAS		13.8	1.01	m_e	mb 4.9
ROTZ	76.24		P	22:44:17.944		29.5		5.65		TAS				m_e	
ROTZ	76.24		pP	22:44:26.146	0.4					T__				m_e	
TANN	75.60		P	22:44:14.124	-0.4	29.5		5.65		TAS		4.8	1.01	m_e	mb 4.6
TNS	76.98		P	22:44:22.184	-0.0	29.5		5.65		TAS		13.9	0.85	m_e	mb 5.1
UBBA	75.99		P	22:44:16.129		29.5		5.65		TAS				m_e	
UBR	78.74		P	22:44:31.513		29.5		5.65		TAS		5.0	0.81	m_e	mb 4.6
UBR	78.74		pP	22:44:39.741	0.4					T__				m_e	
WERD	75.62		P	22:44:13.756	-0.0	29.5		5.65		TAS		8.2	0.92	m_e	mb 4.8
WERN	75.73		P	22:44:14.914	-0.2	29.5		5.65		TAS		9.3	0.84	m_e	mb 4.9
WERN	75.73		pP	22:44:23.305	0.4					T__				m_e	
WET	76.57		P	22:44:19.328		29.5		5.65		TAS		18.8	0.89	m_e	mb 5.2

OrigID
 2017/11/30 02:39:46.15 -22.7780 168.7070 17.7 2.3 26 145.77 150.09 m i ke BGR
 71130007

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	146.18		PKPbc	02:59:23.311	-0.4	41.5		2.81		TAS				m_e		
BFO	150.09		PKPbc	02:59:34.110	-0.8	41.5		2.81		TAS				m_e		
BRG	145.77		PKPbc	02:59:22.500	-0.5	41.5		2.81		TAS				m_e		
BUG	147.98		PKPbc	02:59:28.570	-0.6	41.5		2.81		TAS				m_e		
CLL	145.86		PKPbc	02:59:22.264	0.0	41.5		2.81		TAS				m_e		
CLL	145.86		pPKPbc	02:59:27.834	0.0					T__				m_e		
FBE	145.99		PKPbc	02:59:22.870	0.1	41.5		2.81		TAS				m_e		
FLT1	145.80		PKPbc	02:59:22.092	-0.3	41.5		2.81		TAS				m_e		
FLT1	145.80		pPKPbc	02:59:27.068	0.0					T__				m_e		
GEC2	147.31		PKPbc	02:59:27.149	-0.5	41.5		2.81		TAS				m_e		
GRA1	147.82		PKPbc	02:59:28.480	-0.0	41.5		2.81		TAS				m_e		
GTTG	146.91		PKPbc	02:59:25.439	-0.1	41.5		2.81		TAS				m_e		
GTTG	146.91		pPKPbc	02:59:30.935	0.0					T__				m_e		
GUNZ	146.85		PKPbc	02:59:25.897	1.2	41.5		2.81		TAS				m_e		
IBBN	147.09		PKPbc	02:59:25.956	-0.0	41.5		2.81		TAS				m_e		
KAST	147.76		PKPbc	02:59:27.980	-0.3	41.5		2.81		TAS				m_e		
MANZ	147.22		PKPbc	02:59:26.725	0.0	41.5		2.81		TAS				m_e		
MOX	146.94		PKPbc	02:59:26.010	0.1	41.5		2.81		TAS				m_e		
NEUB	146.46		PKPbc	02:59:24.305	-0.3	41.5		2.81		TAS				m_e		
NEUB	146.46		pPKPbc	02:59:29.578	0.0					T__				m_e		
NRDL	146.10		PKPbc	02:59:23.029	-0.0	41.5		2.81		TAS				m_e		
NRDL	146.10		pPKPbc	02:59:28.005	0.0					T__				m_e		
ROTZ	147.34		PKPbc	02:59:27.212	0.2	41.5		2.81		TAS				m_e		
ROTZ	147.34		pPKPbc	02:59:32.262	0.0					T__				m_e		
TANN	146.75		PKPbc	02:59:25.414	0.4	41.5		2.81		TAS				m_e		
TNS	148.54		PKPbc	02:59:30.817	0.5	41.5		2.81		TAS				m_e		
UBBA	147.47		PKPbc	02:59:27.248	0.3	41.5		2.81		TAS				m_e		
UBR	149.82		PKPbc	02:59:33.221		41.5		2.81		TAS				m_e		
UBR	149.82		pPKPbc	02:59:39.236	0.0					T__				m_e		
WERD	146.79		PKPbc	02:59:25.455	-0.4	41.5		2.81		TAS				m_e		
WERD	146.79		pPKPbc	02:59:30.877	0.0					T__				m_e		
WERN	146.88		PKPbc	02:59:26.002	0.7	41.5		2.81		TAS				m_e		
WERN	146.88		pPKPbc	02:59:31.052	0.0					T__				m_e		
WET	147.49		PKPbc	02:59:27.764	-0.6	41.5		2.81		TAS				m_e		
WLF	149.85		PKPbc	02:59:34.350	1.4	41.5		2.81		TAS				m_e		

Event 71130002 Kuril Islands, Russia

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

2017/11/30 04:24:13.18 49.7720 153.0020 201.5 3.3 21 72.42 77.77 m i ke BGR
71130008

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 71130008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.56		P	04:35:40.453	-0.3	24.4		5.75		TAS		5.2	0.94	m_e	mb 4.5
BFO	77.64		P	04:36:04.047		24.4		5.75		TAS		13.9	0.78	m_e	mb 5.1
BRG	73.82		P	04:35:42.212	-0.1	24.4		5.75		TAS		6.4	0.98	m_e	mb 4.6
BRG	73.82		pP	04:36:30.898	0.2					T__				m_e	
BUG	75.03		P	04:35:49.043	-0.3	24.4		5.75		TAS		17.3	0.89	m_e	mb 5.1
CLL	73.69		P	04:35:41.334	0.3	24.4		5.75		TAS		14.8	0.81	m_e	mb 5.1
FBE	73.94		P	04:35:42.807	-0.3	24.4		5.75		TAS		12.1	0.82	m_e	mb 5.0
FBE	73.94		pP	04:36:30.977	0.2					T__				m_e	
FLT1	73.23		P	04:35:38.324	0.1	24.4		5.75		TAS		7.1	0.82	m_e	mb 4.8
FUR	77.01		P	04:36:00.462		24.4		5.75		TAS		25.6	0.85	m_e	mb 5.4
GEC2	75.71		P	04:35:53.290		24.4		5.75		TAS		5.2	0.71	m_e	mb 4.8
GRA1	75.63		P	04:35:53.373	0.3	24.4		5.75		TAS		30.5	0.75	m_e	mb 5.5
GUNZ	74.72		P	04:35:47.674	0.3	24.4		5.75		TAS		9.2	0.76	m_e	mb 4.9
IBBN	74.11		P	04:35:43.622	-0.7	24.4		5.75		TAS		22.0	0.86	m_e	mb 5.2
KAST	74.97		P	04:35:48.869	-0.3	24.4		5.75		TAS		15.3	0.81	m_e	mb 5.1
KAST	74.97		pP	04:36:36.225	0.2					T__				m_e	
MANZ	75.13		P	04:35:49.723	0.1	24.4		5.75		TAS		2.3	1.03	m_e	mb 4.1
MOX	74.66		P	04:35:46.777	0.2	24.4		5.75		TAS		8.7	0.85	m_e	mb 4.8
NRDL	73.36		P	04:35:39.478	0.2	24.4		5.75		TAS		8.4	0.85	m_e	mb 4.9
ROTZ	75.30		P	04:35:51.084	-0.6	24.4		5.75		TAS		2.0	0.79	m_e	mb 4.2
RUE	72.42		P	04:35:34.133	0.2	24.4		5.75		TAS		14.8	0.65	m_e	mb 5.3
TANN	74.64		P	04:35:47.033	-0.2	24.4		5.75		TAS		3.6	0.75	m_e	mb 4.5
TNS	75.87		P	04:35:54.398	0.4	24.4		5.75		TAS		23.9	0.70	m_e	mb 5.4
UBBA	74.93		P	04:35:48.728	-0.1	24.4		5.75		TAS		4.5	0.69	m_e	mb 4.6
UBR	77.77		P	04:36:04.900		24.4		5.75		TAS		9.2	0.70	m_e	mb 5.0
WERD	74.65		P	04:35:46.905	0.3	24.4		5.75		TAS		5.7	0.78	m_e	mb 4.7
WERN	74.78		P	04:35:48.186	0.5	24.4		5.75		TAS		13.6	0.69	m_e	mb 5.1
WET	75.68		P	04:35:53.437	-0.3	24.4		5.75		TAS		12.6	0.80	m_e	mb 5.1

Event 71130003 New Guinea, Papua New Guinea

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/11/30 05:50:05.59 -6.4630 144.9190 118.5 2.6 19 119.96 124.79 m i ke BGR
71130009

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	121.03		PKPdf	06:08:54.707	-0.1	57.9		1.93		TAS				m_e	

BFO	124.40	PKPdf	06:09:01.576		57.9	1.93	TAS	m_e
BRG	119.96	PKPdf	06:08:53.017	-0.0	57.9	1.93	TAS	m_e
BSEG	120.18	PKPdf	06:08:53.574	0.0	57.9	1.93	TAS	m_e
BSEG	120.18	pPKPdf	06:09:26.190				T__	m_e
BUG	123.15	PKPdf	06:08:58.796	-0.1	57.9	1.93	TAS	m_e
CLL	120.25	PKPdf	06:08:53.242	-1.0	57.9	1.93	TAS	m_e
FBE	120.26	PKPdf	06:08:53.530	-0.1	57.9	1.93	TAS	m_e
FLT1	120.63	PKPdf	06:08:54.285	-0.0	57.9	1.93	TAS	m_e
FUR	122.84	PKPdf	06:08:58.640		57.9	1.93	TAS	m_e
GEC2	121.10	PKPdf	06:08:55.234		57.9	1.93	TAS	m_e
GRA1	122.06	PKPdf	06:08:56.893		57.9	1.93	TAS	m_e
GTTG	121.72	PKPdf	06:08:56.222	-0.1	57.9	1.93	TAS	m_e
GUNZ	121.10	PKPdf	06:08:55.091	0.0	57.9	1.93	TAS	m_e
IBBN	122.39	PKPdf	06:08:57.794	0.0	57.9	1.93	TAS	m_e
KAST	122.71	PKPdf	06:08:58.028	-0.1	57.9	1.93	TAS	m_e
MANZ	121.42	PKPdf	06:08:55.850	-0.5	57.9	1.93	TAS	m_e
MOX	121.34	PKPdf	06:08:55.413	0.0	57.9	1.93	TAS	m_e
NEUB	120.97	PKPdf	06:08:54.504	-0.1	57.9	1.93	TAS	m_e
NRDL	121.11	PKPdf	06:08:55.081	0.2	57.9	1.93	TAS	m_e
STU	123.68	PKPdf	06:08:59.976		57.9	1.93	TAS	m_e
TANN	121.00	PKPdf	06:08:54.902	-0.2	57.9	1.93	TAS	m_e
TANN	121.00	pPKPdf	06:09:26.683				T__	m_e
TNS	123.26	PKPdf	06:08:59.394	0.0	57.9	1.93	TAS	m_e
TNS	123.26	pPKPdf	06:09:31.551				T__	m_e
UBR	123.76	PKPdf	06:09:00.184		57.9	1.93	TAS	m_e
WERD	121.07	PKPdf	06:08:55.091	-0.1	57.9	1.93	TAS	m_e
WERN	121.12	PKPdf	06:08:55.186	0.8	57.9	1.93	TAS	m_e
WERN	121.12	pPKPdf	06:09:26.554				T__	m_e
WET	121.42	PKPdf	06:08:55.566		57.9	1.93	TAS	m_e
WLF	124.79	PKPdf	06:09:02.428	0.0	57.9	1.93	TAS	m_e

Event 71130004 South Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/30	06:32:44.35			-2.4610	-22.0450				10.0			15		57.08	62.50	m i ke	BGR
71130010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71130010
Ms	6.2		BGR	71130010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	61.01		P	06:42:59.099		219.5		6.91		TAS					m_e
BFO	57.08		P	06:42:31.837		219.5		6.91		TAS		86.7	0.95	m_e mb	5.8
BRG	61.37		P	06:43:01.433		219.5		6.91		TAS					m_e
BSEG	62.32		P	06:43:07.625	0.2	219.5		6.91		TAS					m_e

BUG	59.20	P	06:42:46.329	-0.3	219.5	6.91	TAS	43.8	0.94	m_e	mb	5.5
CLL	61.30	P	06:43:01.342		219.5	6.91	TAS	63.8	1.17	m_e	mb	5.3
FBE	61.15	P	06:42:59.886		219.5	6.91	TAS	64.0	1.22	m_e	mb	5.3
FLT1	61.39	P	06:43:01.861	0.1	219.5	6.91	TAS	105.9	1.30	m_e	mb	5.5
FUR	58.18	P	06:42:39.591		219.5	6.91	TAS	127.8	0.94	m_e	mb	5.9
GEC2	59.76	P	06:42:50.409		219.5	6.91	TAS	69.0	1.00	m_e	mb	5.6
GRA1	59.33	P	06:42:47.751		219.5	6.91	TAS	93.4	1.06	m_e	mb	5.7
GRA1	59.33	L	07:07:02.520				T__	23444.2	20.10	a_e	Ms	6.3
GTTG	60.28	P	06:42:54.120		219.5	6.91	TAS			m_e		
GUNZ	60.31	P	06:42:54.724		219.5	6.91	TAS	64.6	1.07	m_e	mb	5.6
IBBN	60.09	P	06:42:52.055	0.2	219.5	6.91	TAS			m_e		
KAST	59.43	P	06:42:48.243	0.3	219.5	6.91	TAS			m_e		
MANZ	59.93	P	06:42:51.662		219.5	6.91	TAS	18.1	1.05	m_e	mb	5.0
MOX	60.23	P	06:42:53.985	0.1	219.5	6.91	TAS	52.4	0.88	m_e	mb	5.6
MOX	60.23	L	07:06:56.548				T__	18743.5	21.80	a_e	Ms	6.2
NEUB	60.71	P	06:42:57.195		219.5	6.91	TAS	89.3	1.00	m_e	mb	5.6
NRDL	61.09	P	06:42:59.318	0.3	219.5	6.91	TAS	81.2	1.23	m_e	mb	5.4
ROTZ	59.80	P	06:42:51.112		219.5	6.91	TAS	16.9	1.12	m_e	mb	5.0
RUE	62.50	P	06:43:09.198	0.2	219.5	6.91	TAS			m_e		
STU	57.78	P	06:42:37.169		219.5	6.91	TAS	192.9	0.97	m_e	mb	6.1
TANN	60.40	P	06:42:54.970		219.5	6.91	TAS	80.4	1.08	m_e	mb	5.7
TNS	58.65	P	06:42:42.829		219.5	6.91	TAS	62.6	0.98	m_e	mb	5.6
UBBA	59.72	P	06:42:50.130	-0.3	219.5	6.91	TAS			m_e		
UBR	57.31	P	06:42:33.806		219.5	6.91	TAS	138.5	0.96	m_e	mb	6.0
WERD	60.36	P	06:42:54.980		219.5	6.91	TAS	59.8	1.11	m_e	mb	5.5
WERN	60.27	P	06:42:54.478		219.5	6.91	TAS	69.2	1.11	m_e	mb	5.6
WET	59.62	P	06:42:49.675	0.2	219.5	6.91	TAS	74.9	0.98	m_e	mb	5.7
WLF	57.33	P	06:42:33.266		219.5	6.91	TAS			m_e		

Event 71130005 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
2017/11/30	09:17:14.11			35.7040	141.1260				33.0					84.10	84.10	m i ke	BGR
71130011																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 71130011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.10		P	09:29:40.515		43.8		4.46		TAS		10.1	1.06	m_e	mb 5.0

Event 71130006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2017/11/30 10:51:03.99 -21.9270 -174.0330 33.0 18 147.87 152.44 m i ke BGR
 71130012

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.63		PKPbc	11:10:50.263	0.1	10.4		2.38		TAS					m_e
BRG	150.44		PKPbc	11:10:52.502	-0.1	10.4		2.38		TAS					m_e
BSEG	147.87		PKPbc	11:10:45.704	-0.3	10.4		2.38		TAS					m_e
BUG	150.52		PKPbc	11:10:52.305		10.4		2.38		TAS					m_e
CLL	150.16		PKPbc	11:10:51.199	0.1	10.4		2.38		TAS					m_e
FBE	150.49		PKPbc	11:10:52.298	0.1	10.4		2.38		TAS					m_e
FLT1	149.38		PKPbc	11:10:49.164	-0.3	10.4		2.38		TAS					m_e
GEC2	152.44		PKPbc	11:10:56.246		10.4		2.38		TAS					m_e
GRA1	151.98		PKPbc	11:10:55.758		10.4		2.38		TAS					m_e
GTTG	150.27		PKPbc	11:10:50.856		10.4		2.38		TAS					m_e
GUNZ	151.18		PKPbc	11:10:54.008	0.0	10.4		2.38		TAS					m_e
MANZ	151.58		PKPbc	11:10:54.781	-0.2	10.4		2.38		TAS					m_e
MOX	151.00		PKPbc	11:10:53.397	0.3	10.4		2.38		TAS					m_e
NEUB	150.44		PKPbc	11:10:51.932	0.4	10.4		2.38		TAS					m_e
NRDL	149.32		PKPbc	11:10:49.489	0.1	10.4		2.38		TAS					m_e
ROTZ	151.78		PKPbc	11:10:55.188	-0.7	10.4		2.38		TAS					m_e
TANN	151.11		PKPbc	11:10:53.926	0.5	10.4		2.38		TAS					m_e
TNS	151.69		PKPbc	11:10:55.581		10.4		2.38		TAS					m_e
WERD	151.10		PKPbc	11:10:53.560	0.2	10.4		2.38		TAS					m_e
WERN	151.25		PKPbc	11:10:54.455	-0.0	10.4		2.38		TAS					m_e
WET	152.29		PKPbc	11:10:56.287		10.4		2.38		TAS					m_e

Event 71130007 Tonga Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2017/11/30 11:47:48.70 -21.2350 -171.1330 33.0 23 147.34 153.60 m i ke BGR
 71130013

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.13		PKPbc	12:07:34.401	0.1	4.6		2.42		TAS					m_e
BFO	152.96		PKPbc	12:07:43.291	-0.3	4.6		2.42		TAS					m_e
BRG	150.15		PKPbc	12:07:36.535	-0.2	4.6		2.42		TAS					m_e
BSEG	147.34		PKPbc	12:07:29.232	-0.7	4.6		2.42		TAS					m_e
CLL	149.81		PKPbc	12:07:35.573	-0.3	4.6		2.42		TAS					m_e
FBE	150.16		PKPbc	12:07:36.882	0.8	4.6		2.42		TAS					m_e
FLT1	148.91		PKPbc	12:07:33.298	-0.4	4.6		2.42		TAS					m_e
GEC2	152.18		PKPbc	12:07:41.224	-0.4	4.6		2.42		TAS					m_e

GTTG	149.74	PKPbc	12:07:35.465		4.6		2.42	TAS		m_e
GUNZ	150.80	PKPbc	12:07:38.536	0.2	4.6		2.42	TAS		m_e
IBBN	148.97	PKPbc	12:07:33.682	0.3	4.6		2.42	TAS		m_e
KAST	150.09	PKPbc	12:07:36.400	0.4	4.6		2.42	TAS		m_e
MANZ	151.19	PKPbc	12:07:39.501	0.2	4.6		2.42	TAS		m_e
MOX	150.57	PKPbc	12:07:37.571	0.1	4.6		2.42	TAS		m_e
NEUB	150.01	PKPbc	12:07:36.027	0.1	4.6		2.42	TAS		m_e
NRDL	148.78	PKPbc	12:07:32.882	-0.1	4.6		2.42	TAS		m_e
ROTZ	151.41	PKPbc	12:07:39.983	0.2	4.6		2.42	TAS		m_e
TANN	150.74	PKPbc	12:07:38.329	0.2	4.6		2.42	TAS		m_e
TNS	151.07	PKPbc	12:07:39.639	0.2	4.6		2.42	TAS		m_e
UBR	153.60	PKPbc	12:07:44.807		4.6		2.42	TAS		m_e
WERD	150.72	PKPbc	12:07:38.191	0.2	4.6		2.42	TAS		m_e
WERN	150.88	PKPbc	12:07:38.674	0.6	4.6		2.42	TAS		m_e
WET	151.97	PKPbc	12:07:40.672	-0.5	4.6		2.42	TAS		m_e
WLF	151.55	PKPbc	12:07:40.672	-0.5	4.6		2.42	TAS		m_e

Event 71130008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/30	14:32:51.21			-21.6500	-177.1400				33.0			19		147.27	151.52	m i ke	BGR
	71130014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.98		PKPbc	14:52:32.912	-0.2	14.1		2.45		TAS					m_e
ASSE	148.98		PKPab	14:52:37.169	0.1	14.1		2.45		TAS					m_e
BRG	149.57		PKPbc	14:52:35.018	-0.1	14.1		2.45		TAS					m_e
BRG	149.57		PKPab	14:52:40.244	0.1	14.1		2.45		TAS					m_e
BSEG	147.27		PKPbc	14:52:28.777	0.1	14.1		2.45		TAS					m_e
BUG	150.07		PKPbc	14:52:35.770	0.1	14.1		2.45		TAS					m_e
CLL	149.36		PKPbc	14:52:33.922	-0.2	14.1		2.45		TAS					m_e
CLL	149.36		PKPab	14:52:38.693	0.1	14.1		2.45		TAS					m_e
FBE	149.65		PKPbc	14:52:34.932	-0.2	14.1		2.45		TAS					m_e
FBE	149.65		PKPab	14:52:40.089	0.1	14.1		2.45		TAS					m_e
FLT1	148.70		PKPbc	14:52:31.946	-0.2	14.1		2.45		TAS					m_e
FLT1	148.70		PKPab	14:52:35.868	0.1	14.1		2.45		TAS					m_e
GEC2	151.52		PKPbc	14:52:39.060		14.1		2.45		TAS					m_e
GUNZ	150.39		PKPbc	14:52:36.908	0.1	14.1		2.45		TAS					m_e
GUNZ	150.39		PKPab	14:52:43.286	0.1	14.1		2.45		TAS					m_e
KAST	150.19		PKPbc	14:52:36.161	0.0	14.1		2.45		TAS					m_e
MANZ	150.79		PKPbc	14:52:37.698	-0.6	14.1		2.45		TAS					m_e
MOX	150.26		PKPbc	14:52:36.030	0.2	14.1		2.45		TAS					m_e
NEUB	149.70		PKPbc	14:52:34.669	0.5	14.1		2.45		TAS					m_e
NEUB	149.70		PKPab	14:52:39.817	0.1	14.1		2.45		TAS					m_e

NRDL	148.71	PKPbc	14:52:32.069	0.1	14.1	2.45	TAS	m_e
ROTZ	150.98	PKPbc	14:52:38.050		14.1	2.45	TAS	m_e
ROTZ	150.98	PKPab	14:52:45.406	0.1	14.1	2.45	TAS	m_e
TANN	150.31	PKPbc	14:52:36.688	0.7	14.1	2.45	TAS	m_e
TANN	150.31	PKPab	14:52:42.896	0.1	14.1	2.45	TAS	m_e
TNS	151.15	PKPbc	14:52:38.489	-0.1	14.1	2.45	TAS	m_e
WERD	150.31	PKPbc	14:52:36.337	0.3	14.1	2.45	TAS	m_e
WERN	150.45	PKPbc	14:52:36.775	0.1	14.1	2.45	TAS	m_e
WERN	150.45	PKPab	14:52:43.406	0.1	14.1	2.45	TAS	m_e

Event 71130009 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/30	17:58:03.47			-21.7590	-170.4440				33.0			23		147.87	154.13	m i ke	BGR
71130015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.67		PKPbc	18:17:49.813	-0.3	3.3		2.37		TAS					m_e
BFO	153.47		PKPbc	18:17:58.585		3.3		2.37		TAS					m_e
BRG	150.74		PKPbc	18:17:52.707	0.1	3.3		2.37		TAS					m_e
BSEG	147.87		PKPbc	18:17:45.077	-0.2	3.3		2.37		TAS					m_e
BUG	150.32		PKPbc	18:17:51.205	0.0	3.3		2.37		TAS					m_e
CLL	150.38		PKPbc	18:17:51.260	0.1	3.3		2.37		TAS					m_e
FBE	150.74		PKPbc	18:17:52.095	0.1	3.3		2.37		TAS					m_e
FLT1	149.46		PKPbc	18:17:49.090	0.0	3.3		2.37		TAS					m_e
GEC2	152.77		PKPbc	18:17:56.826		3.3		2.37		TAS					m_e
GRA1	152.09		PKPbc	18:17:55.490	-0.3	3.3		2.37		TAS					m_e
GTTG	150.27		PKPbc	18:17:51.149	-0.2	3.3		2.37		TAS					m_e
GUNZ	151.37		PKPbc	18:17:53.820	0.4	3.3		2.37		TAS					m_e
IBBN	149.47		PKPbc	18:17:49.424	-0.3	3.3		2.37		TAS					m_e
KAST	150.60		PKPbc	18:17:52.039	-0.2	3.3		2.37		TAS					m_e
MANZ	151.76		PKPbc	18:17:54.599	0.3	3.3		2.37		TAS					m_e
MOX	151.13		PKPbc	18:17:53.264	0.0	3.3		2.37		TAS					m_e
NEUB	150.57		PKPbc	18:17:51.872	0.4	3.3		2.37		TAS					m_e
NRDL	149.32		PKPbc	18:17:48.506	-0.3	3.3		2.37		TAS					m_e
ROTZ	151.97		PKPbc	18:17:55.434	-0.2	3.3		2.37		TAS					m_e
RUE	149.16		PKPbc	18:17:48.199	-0.1	3.3		2.37		TAS					m_e
TANN	151.31		PKPbc	18:17:53.598	0.5	3.3		2.37		TAS					m_e
TNS	151.58		PKPbc	18:17:54.766	0.3	3.3		2.37		TAS					m_e
UBR	154.13		PKPbc	18:17:59.664		3.3		2.37		TAS					m_e
WERD	151.29		PKPbc	18:17:53.653	0.1	3.3		2.37		TAS					m_e
WERN	151.44		PKPbc	18:17:54.377	-0.0	3.3		2.37		TAS					m_e
WET	152.55		PKPbc	18:17:56.325	-0.6	3.3		2.37		TAS					m_e

Event 71130010 Zaire

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/11/30	21:48:04.32			-7.5780	27.4880				11.3					58.77	58.77	m i ke	BGR
71130016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	71130016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	58.77		P	21:58:01.130		158.6		7.14		TAS		4.9	0.81	m_e mb	4.6
GRA1	58.77		pP	21:58:04.269						T__				m_e	