

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

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(produced by SZO/BGR - HANNOVER)

November 2015           UPDATED 12.October.2017

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

Event 51101001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/01	00:03:03.32	0.79	0.52	51.5010	16.1050	7.8	2.2	27	1.0			10	246	0.67	3.08	m i k i	BGR
OrigID 51101007																	

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	00:03:51.417	0.5					T__					m_e
BRG	1.50		Pg	00:03:31.616	0.1					T__					m_e
CLL	1.95		Sg	00:04:05.199	-0.1					T__					m_e
CLL	1.95		Pg	00:03:39.500	-0.6					T__					m_e
DPC	1.16		Sg	00:03:39.908	-0.3					T__					m_e
DPC	1.16		Pg	00:03:24.757	-0.4					T__					m_e
FBE	1.83		Sg	00:04:00.717	-0.5					T__					m_e
FBE	1.83		Pg	00:03:37.345	-0.3					T__					m_e
GEC2	3.08		Pn	00:03:53.197	1.5					T__					m_e
GEC2	3.08		Pg	00:04:01.195	-0.0					T__					m_e
KSP	0.67		Sg	00:03:25.157	0.6					T__					m_e
KSP	0.67		Pg	00:03:15.891	-0.0					T__					m_e
MORC	1.95		Sg	00:04:04.672	-0.7					T__					m_e
MORC	1.95		Pn	00:03:36.778	0.1					T__					m_e
MOX	2.96		Pg	00:03:58.739	-0.3					T__					m_e
TANN	2.55		Sg	00:04:23.919	-0.3					T__					m_e
WERD	2.62		Sg	00:04:26.612	0.1					T__					m_e
WERD	2.62		Pg	00:03:53.421	0.7					T__					m_e

Event 51101002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/01	03:48:55.67			42.4350	141.8480				33.0			32		75.37	80.76	m i ke	BGR
OrigID 51101008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51101008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.34		P	04:00:51.753	0.1	34.9		5.52		TAS		12.1	0.87	m_e	mb	4.9
ASSE	76.77		P	04:00:37.214	-0.3	34.9		5.52		TAS		9.7	0.87	m_e	mb	4.9
BFO	80.76		P	04:00:59.232	-0.6	34.9		5.52		TAS		12.4	0.81	m_e	mb	5.0
BRG	76.59		P	04:00:36.537	-0.4	34.9		5.52		TAS		8.7	0.79	m_e	mb	4.9
BSEG	75.41		P	04:00:29.727	0.4	34.9		5.52		TAS		42.0	0.80	m_e	mb	5.5
BUG	78.52		P	04:00:47.046	-0.1	34.9		5.52		TAS		19.4	0.89	m_e	mb	5.1
CLL	76.59		P	04:00:36.273	-0.4	34.9		5.52		TAS		27.5	0.78	m_e	mb	5.4
CLZ	77.11		P	04:00:39.337	0.1	34.9		5.52		TAS		26.7	0.75	m_e	mb	5.5
FBE	76.77		P	04:00:37.654	0.2	34.9		5.52		TAS		15.9	0.76	m_e	mb	5.2
FLT1	76.40		P	04:00:35.279	-0.3	34.9		5.52		TAS		40.9	0.83	m_e	mb	5.6
FUR	79.81		P	04:00:54.326	0.4	34.9		5.52		TAS		34.7	0.72	m_e	mb	5.4
GEC2	78.31		P	04:00:45.843	-0.2	34.9		5.52		TAS		12.2	1.02	m_e	mb	5.0
GRA1	78.57		P	04:00:47.674	0.7	34.9		5.52		TAS		34.1	0.76	m_e	mb	5.5
GTTG	77.50		P	04:00:41.660	0.1	34.9		5.52		TAS		22.4	0.78	m_e	mb	5.4
GUNZ	77.61		P	04:00:42.287	0.1	34.9		5.52		TAS		10.7	1.02	m_e	mb	4.9
IBBN	77.62		P	04:00:42.392	0.2	34.9		5.52		TAS		37.6	0.77	m_e	mb	5.6
MANZ	78.00		P	04:00:44.327	-0.1	34.9		5.52		TAS		3.5	1.00	m_e	mb	4.4
MOX	77.64		P	04:00:42.078	-0.3	34.9		5.52		TAS		9.5	0.87	m_e	mb	4.9
NEUB	77.14		P	04:00:39.731	0.3	34.9		5.52		TAS		33.9	0.79	m_e	mb	5.5
NRDL	76.67		P	04:00:36.816	-0.0	34.9		5.52		TAS		15.9	0.81	m_e	mb	5.2
RJOB	79.56		P	04:00:53.180	0.3	34.9		5.52		TAS		26.4	0.80	m_e	mb	5.2
ROTZ	78.14		P	04:00:45.216	0.1	34.9		5.52		TAS		2.0	0.78	m_e	mb	4.3
RUE	75.37		P	04:00:29.736	-0.1	34.9		5.52		TAS		26.4	0.83	m_e	mb	5.3
STU	80.08		P	04:00:55.832	-0.0	34.9		5.52		TAS		57.9	0.78	m_e	mb	5.6
TANN	77.52		P	04:00:41.555	-0.2	34.9		5.52		TAS		3.3	0.82	m_e	mb	4.5
TNS	79.14		P	04:00:50.550	-0.1	34.9		5.52		TAS		8.0	0.88	m_e	mb	4.8
UBBA	78.09		P	04:00:44.222	-0.6	34.9		5.52		TAS		3.8	0.71	m_e	mb	4.6
UBR	80.65		P	04:00:58.604	-0.4	34.9		5.52		TAS				m_e		
WERD	77.55		P	04:00:42.235	0.3	34.9		5.52		TAS		8.1	0.93	m_e	mb	4.8
WERN	77.65		P	04:00:42.862	0.4	34.9		5.52		TAS		12.7	0.91	m_e	mb	5.0
WET	78.39		P	04:00:46.680	0.1	34.9		5.52		TAS		12.5	0.89	m_e	mb	5.0
WLF	80.40		P	04:00:57.872	0.3	34.9		5.52		TAS		8.8	0.75	m_e	mb	4.8

Event 51101003 Albania

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

2015/11/01 06:26:19.63 41.2380 20.2960 5.0 6.71 12.20 m i ke BGR  
51101009

Magnitude Err Nsta Author OrigID  
ML 5.3 BGR 51101009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	6.92		Pn	06:27:59.549						T__				m_e	ML 5.1
BALST	10.89		Pn	06:28:51.860						T__				m_e	
BFO	11.06		Pn	06:28:53.569						T__				m_e	
DAVA	9.61		Pn	06:28:36.246						T__				m_e	
FUR	9.44		Pn	06:28:32.466						T__				m_e	
GEC2	8.92		Pn	06:28:26.101						T__				m_e	ML 5.2
GRA1	10.58		Pn	06:28:49.004						T__				m_e	
KBA	7.68		Pn	06:28:09.332						T__				m_e	ML 5.3
MANZ	10.45		Pn	06:28:46.499						T__				m_e	
MOA	7.89		Pn	06:28:12.708						T__				m_e	ML 5.3
MOX	11.17		Pn	06:28:56.646						T__				m_e	
OBKA	6.71		Pn	06:27:56.436						T__				m_e	ML 5.6
PLONS	9.76		Pn	06:28:38.147						T__				m_e	
RJOB	8.42		Pn	06:28:20.174						T__				m_e	ML 5.4
ROTZ	10.24		Pn	06:28:44.501						T__				m_e	
SLE	10.65		Pn	06:28:48.207						T__				m_e	
STU	10.88		Pn	06:28:51.743						T__				m_e	
SULZ	10.74		Pn	06:28:49.852						T__				m_e	
TNS	12.20		Pn	06:29:10.325						T__				m_e	
UBR	9.72		Pn	06:28:36.509						T__				m_e	
WET	9.48		Pn	06:28:33.064						T__				m_e	
WILA	10.23		Pn	06:28:44.064						T__				m_e	
WTTA	8.65		Pn	06:28:22.934						T__				m_e	

Event 51101004 Northwestern Balkan Peninsula

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2015/11/01 07:52:32.68 0.50 0.90 45.7930 15.6060 8.9 6.7 52 5.0 26 290 1.03 7.46 m i ke BGR  
51101010

Magnitude Err Nsta Author OrigID  
ML 4.8 BGR 51101010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.46		P	07:52:58.359	0.1					T__				m_e	ML 4.1
BALST	5.67		P	07:53:57.193	-0.0					T__				m_e	
BE1	3.68		P	07:53:30.406	0.4					T__				m_e	
BFO	5.58		P	07:53:55.144	-0.9					T__				m_e	
DAVA	4.22		P	07:53:38.439	1.0					T__				m_e	ML 5.0

FUR	3.80	Sg	07:54:31.317	-1.8	T__	m_e	
FUR	3.80	P	07:53:31.670	0.1	T__	m_e	
FUR	3.80	Pg	07:53:42.764	-1.4	T__	m_e ML	5.3
GEC2	3.32	P	07:53:24.759	-0.2	T__	m_e	
GRA1	4.89	P	07:53:45.734	-0.9	T__	m_e	
KBA	2.02	P	07:53:06.954	-0.4	T__	m_e ML	4.5
KW1	3.11	P	07:53:22.247	0.1	T__	m_e	
KW1	3.11	Pg	07:53:31.573	0.3	T__	m_e	
MANZ	4.81	P	07:53:44.524	-0.9	T__	m_e ML	4.3
MOA	2.25	P	07:53:10.211	-0.2	T__	m_e ML	4.4
MOX	5.54	Sg	07:55:31.305	3.0	T__	m_e	
MOX	5.54	P	07:53:54.429	-1.0	T__	m_e ML	4.9
OBKA	1.03	P	07:52:51.228	0.0	T__	m_e ML	4.8
OBKA	1.03	Sg	07:53:04.300	-1.1	T__	m_e	
PLONS	4.48	P	07:53:42.324	1.3	T__	m_e	
RJOB	2.74	P	07:53:17.838	0.7	T__	m_e	
ROTZ	4.59	P	07:53:41.421	-1.0	T__	m_e ML	4.5
SLE	5.27	P	07:53:51.305	-0.4	T__	m_e	
STU	5.28	Sg	07:55:20.697	0.5	T__	m_e	
STU	5.28	P	07:53:52.228	0.3	T__	m_e ML	5.6
SULZ	5.44	P	07:53:53.936	-0.2	T__	m_e	
TNS	6.53	P	07:54:09.395	0.4	T__	m_e	
UBR	4.23	P	07:53:37.691	0.2	T__	m_e ML	5.1
WET	3.83	P	07:53:31.494	-0.5	T__	m_e	
WET	3.83	Pg	07:53:44.790	0.0	T__	m_e ML	4.8
WILA	4.89	P	07:53:47.000	0.4	T__	m_e	
WLF	7.46	P	07:54:22.832	1.2	T__	m_e	
WTTA	3.11	P	07:53:22.966	0.8	T__	m_e ML	4.8

Event 51101006 Brazil

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/01	15:17:32.01			-11.9110	-52.7070				33.0					82.91	82.91	m i ke	BGR
51101012																	

Magnitude Err Nsta Author OrigID  
mb 4.5 BGR 51101012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.91		P	15:29:54.640		242.3		5.16		TAS		2.4	0.76	m_e mb	4.5

Event 51101008 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2015/11/01 21:09:42.92 22.6550 121.9540 33.0 30 83.38 88.29 m i ke BGR  
 51101014

Magnitude Err Nsta Author OrigID  
 mb 5.2 BGR 51101014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.31		P	21:22:27.068	-0.0	60.0		4.99		TAS				m_e	
ASSE	84.56		P	21:22:13.380	0.1	60.0		4.99		TAS				m_e	
BFO	87.81		P	21:22:29.229	-0.4	60.0		4.99		TAS				m_e	
BRG	83.38		P	21:22:07.088	-0.4	60.0		4.99		TAS				m_e	
BSEG	83.83		P	21:22:09.682	0.0	60.0		4.99		TAS				m_e	
BUG	86.72		P	21:22:23.994	-0.1	60.0		4.99		TAS		46.9	1.29	m_e mb	5.5
CLL	83.70		P	21:22:08.625	-0.4	60.0		4.99		TAS				m_e	
CLZ	84.86		P	21:22:15.109	0.2	60.0		4.99		TAS				m_e	
FBE	83.68		P	21:22:08.865	-0.1	60.0		4.99		TAS		26.8	1.07	m_e mb	5.4
FLT1	84.16		P	21:22:11.027	-0.3	60.0		4.99		TAS				m_e	
FUR	86.21		P	21:22:21.795	0.9	60.0		4.99		TAS		61.1	1.33	m_e mb	5.6
GEC2	84.47		P	21:22:12.804	-0.1	60.0		4.99		TAS				m_e	
GRA1	85.48		P	21:22:18.087	0.4	60.0		4.99		TAS		18.0	1.03	m_e mb	5.2
GTTG	85.23		P	21:22:17.126	0.4	60.0		4.99		TAS				m_e	
GUNZ	84.52		P	21:22:13.236	0.1	60.0		4.99		TAS		13.0	0.96	m_e mb	5.1
IBBN	86.00		P	21:22:20.776	0.3	60.0		4.99		TAS		17.7	0.79	m_e mb	5.3
MANZ	84.83		P	21:22:14.821	0.1	60.0		4.99		TAS		5.9	1.28	m_e mb	4.7
MOX	84.78		P	21:22:14.388	-0.1	60.0		4.99		TAS				m_e	
NEUB	84.43		P	21:22:12.756	0.1	60.0		4.99		TAS				m_e	
NRDL	84.67		P	21:22:14.004	0.1	60.0		4.99		TAS				m_e	
RJOB	85.53		P	21:22:18.245	0.0	60.0		4.99		TAS				m_e	
ROTZ	84.88		P	21:22:15.349	0.4	60.0		4.99		TAS		5.9	1.16	m_e mb	4.7
TANN	84.43		P	21:22:12.419	-0.3	60.0		4.99		TAS		11.7	1.11	m_e mb	5.0
TNS	86.74		P	21:22:24.282	0.0	60.0		4.99		TAS		28.9	1.32	m_e mb	5.2
UBBA	85.58		P	21:22:18.231	-0.2	60.0		4.99		TAS				m_e	
UBR	87.13		P	21:22:25.723	-0.5	60.0		4.99		TAS		9.9	1.15	m_e mb	4.8
WERD	84.50		P	21:22:13.092	0.0	60.0		4.99		TAS		12.6	1.01	m_e mb	5.1
WERN	84.54		P	21:22:13.332	0.1	60.0		4.99		TAS		11.4	0.96	m_e mb	5.1
WET	84.80		P	21:22:14.677	0.1	60.0		4.99		TAS		22.0	1.30	m_e mb	5.2
WLF	88.29		P	21:22:31.775	-0.2	60.0		4.99		TAS		32.0	1.16	m_e mb	5.5

Event 51102001 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2015/11/02 03:04:08.48 -18.2000 -177.8970 600.0 33 143.77 149.88 m i ke BGR  
 51102007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.49		PKPbc	03:22:44.603	0.3	14.6		2.67		TAS				m_e	
ASSE	145.48		PKPbc	03:22:38.677	-0.2	14.6		2.67		TAS				m_e	
BFO	149.52		PKPbc	03:22:49.653	-0.4	14.6		2.67		TAS				m_e	
BRG	146.06		PKPbc	03:22:40.585	0.3	14.6		2.67		TAS				m_e	
BSEG	143.77		PKPbc	03:22:33.519	-0.8	14.6		2.67		TAS				m_e	
BUG	146.58		PKPbc	03:22:42.028	-0.4	14.6		2.67		TAS				m_e	
CLL	145.85		PKPbc	03:22:39.703	-0.3	14.6		2.67		TAS				m_e	
CLZ	145.80		PKPbc	03:22:39.402	0.2	14.6		2.67		TAS				m_e	
FBE	146.15		PKPbc	03:22:40.902	0.3	14.6		2.67		TAS				m_e	
FLT1	145.19		PKPbc	03:22:37.610	-0.5	14.6		2.67		TAS				m_e	
FUR	149.19		PKPbc	03:22:48.694	-0.2	14.6		2.67		TAS				m_e	
GEC2	148.02		PKPbc	03:22:45.930	-0.2	14.6		2.67		TAS				m_e	
GRA1	147.74		PKPbc	03:22:45.126	0.2	14.6		2.67		TAS				m_e	
GTTG	146.15		PKPbc	03:22:40.528	0.7	14.6		2.67		TAS				m_e	
GUNZ	146.88		PKPbc	03:22:43.033	0.3	14.6		2.67		TAS				m_e	
HLG	143.81		PKPbc	03:22:34.166	-0.7	14.6		2.67		TAS				m_e	
IBBN	145.68		PKPbc	03:22:39.414	0.7	14.6		2.67		TAS				m_e	
MANZ	147.29		PKPbc	03:22:43.984	0.2	14.6		2.67		TAS				m_e	
MOX	146.75		PKPbc	03:22:42.319	0.0	14.6		2.67		TAS				m_e	
NEUB	146.19		PKPbc	03:22:40.774	0.5	14.6		2.67		TAS				m_e	
NRDL	145.21		PKPbc	03:22:37.771	0.0	14.6		2.67		TAS				m_e	
RJOB	149.27		PKPbc	03:22:48.941	-0.6	14.6		2.67		TAS				m_e	
ROTZ	147.48		PKPbc	03:22:44.409	0.0	14.6		2.67		TAS				m_e	
RUE	144.59		PKPbc	03:22:36.278	-0.3	14.6		2.67		TAS				m_e	
STU	148.97		PKPbc	03:22:48.075	-0.1	14.6		2.67		TAS				m_e	
TANN	146.81		PKPbc	03:22:42.536	0.3	14.6		2.67		TAS				m_e	
TNS	147.65		PKPbc	03:22:44.793	0.1	14.6		2.67		TAS				m_e	
UBBA	146.85		PKPbc	03:22:42.700	0.2	14.6		2.67		TAS				m_e	
UBR	149.88		PKPbc	03:22:50.497	-0.5	14.6		2.67		TAS				m_e	
WERD	146.81		PKPbc	03:22:42.613	0.3	14.6		2.67		TAS				m_e	
WERN	146.95		PKPbc	03:22:42.996	0.6	14.6		2.67		TAS				m_e	
WET	147.93		PKPbc	03:22:45.622	-0.2	14.6		2.67		TAS				m_e	
WLF	148.44		PKPbc	03:22:47.219	0.3	14.6		2.67		TAS				m_e	

Event 51102002 Caribbean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/02	03:35:29.60			12.5070	-82.5720				33.0					83.01	83.01	m i k e	BGR
51102008																	

Magnitude Err Nsta Author OrigID  
 mb 4.8 BGR 51102008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 83.01 P 03:47:50.551 274.6 5.67 TAS 6.0 0.90 m\_e mb 4.8

Event 51102004 Andreanof Islands, Aleutian Islands, United States

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2015/11/02 08:24:35.92 52.5030 -174.5220 33.0 31 73.12 80.12 m i ke BGR
51102010

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 51102010

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for AHRW, ASSE, BFO, BRG, BSEG, CLL, CLZ, FBE, FLT1, FUR, GEC2, GRA1, GTTG, GUNZ, HLG, IBBN, MANZ, MOX, NEUB, NRDL, RGN, RJOB, ROTZ, RUE, STU, TANN, TNS, UBBA, UBR, WERD, WERN, WET, WLF.

Event 51102005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/02	08:28:03.90			53.0770	-174.3010				33.0			26		73.29	79.38	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51102011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.75		P	08:39:47.757	0.3	3.4		5.61		TAS		5.8	0.70	m_e mb	4.8
ASSE	75.08		P	08:39:37.693	-0.5	3.4		5.61		TAS		3.5	0.84	m_e mb	4.4
BFO	78.95		P	08:39:59.410	-0.4	3.4		5.61		TAS		5.2	0.83	m_e mb	4.6
BRG	76.19		P	08:39:44.226	-0.1	3.4		5.61		TAS		10.0	0.86	m_e mb	5.0
BSEG	73.29		P	08:39:27.820	0.3	3.4		5.61		TAS		10.1	0.84	m_e mb	5.0
CLL	75.81		P	08:39:41.754	-0.5	3.4		5.61		TAS		4.1	0.79	m_e mb	4.6
CLZ	75.38		P	08:39:39.777	0.5	3.4		5.61		TAS		11.8	0.80	m_e mb	5.0
FBE	76.18		P	08:39:44.369	0.5	3.4		5.61		TAS		13.9	0.80	m_e mb	5.1
FLT1	74.86		P	08:39:36.398	-0.5	3.4		5.61		TAS		8.4	0.81	m_e mb	4.8
GEC2	78.23		P	08:39:55.664	-0.3	3.4		5.61		TAS		7.4	0.84	m_e mb	4.8
GRA1	77.50		P	08:39:51.877	0.6	3.4		5.61		TAS		18.9	0.79	m_e mb	5.3
GTTG	75.69		P	08:39:41.636	0.1	3.4		5.61		TAS		14.9	1.05	m_e mb	5.1
GUNZ	76.78		P	08:39:47.581	-0.1	3.4		5.61		TAS		5.2	0.86	m_e mb	4.7
IBBN	74.97		P	08:39:36.987	-0.5	3.4		5.61		TAS		14.2	0.86	m_e mb	5.0
MANZ	77.17		P	08:39:49.935	0.1	3.4		5.61		TAS		1.3	0.86	m_e mb	4.1
MOX	76.53		P	08:39:46.227	-0.1	3.4		5.61		TAS		8.7	0.85	m_e mb	4.9
NEUB	75.98		P	08:39:42.996	0.3	3.4		5.61		TAS		17.0	0.92	m_e mb	5.2
RJOB	79.38		P	08:40:01.941	-0.3	3.4		5.61		TAS		6.1	0.80	m_e mb	4.7
ROTZ	77.38		P	08:39:51.288	0.2	3.4		5.61		TAS		1.5	0.85	m_e mb	4.1
TANN	76.73		P	08:39:47.286	-0.1	3.4		5.61		TAS		5.9	1.01	m_e mb	4.7
TNS	77.05		P	08:39:49.523	0.4	3.4		5.61		TAS		8.4	0.85	m_e mb	4.9
UBBA	76.42		P	08:39:45.344	-0.3	3.4		5.61		TAS		2.7	0.93	m_e mb	4.4
WERD	76.70		P	08:39:47.169	-0.1	3.4		5.61		TAS		3.6	0.87	m_e mb	4.5
WERN	76.86		P	08:39:48.405	0.3	3.4		5.61		TAS		12.6	0.91	m_e mb	5.0
WET	77.97		P	08:39:54.408	0.2	3.4		5.61		TAS		6.9	1.09	m_e mb	4.7

Event 51102006 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/02	08:31:23.89			52.1630	-175.6440				46.5	0.9		23		73.40	80.42	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

mb 4.7 BGR 51102012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	75.95		P	08:43:05.512	0.3	4.3		5.55		TAS		5.2	0.88	m_e mb	4.7
BFO	79.83		P	08:43:27.249		4.3		5.55		TAS		8.3	0.97	m_e mb	4.6
BRG	77.02		P	08:43:11.827	0.2	4.3		5.55		TAS				m_e	
BSEG	74.16		P	08:42:55.140	-0.6	4.3		5.55		TAS				m_e	
BUG	76.74		P	08:43:10.482	-0.7	4.3		5.55		TAS		6.6	0.78	m_e mb	4.8
CLL	76.65		P	08:43:09.506	0.7	4.3		5.55		TAS				m_e	
CLZ	76.25		P	08:43:07.401	0.2	4.3		5.55		TAS		11.4	0.83	m_e mb	5.0
FBE	77.01		P	08:43:11.773	0.5	4.3		5.55		TAS		11.4	0.79	m_e mb	5.1
GEC2	79.06		P	08:43:23.042		4.3		5.55		TAS		9.0	0.94	m_e mb	4.8
GRA1	78.36		P	08:43:19.303	0.0	4.3		5.55		TAS				m_e	
GTTG	76.56		P	08:43:09.086	-0.7	4.3		5.55		TAS				m_e	
GUNZ	77.63		P	08:43:15.006	-0.0	4.3		5.55		TAS		9.5	1.05	m_e mb	4.9
IBBN	75.86		P	08:43:05.041	0.4	4.3		5.55		TAS				m_e	
MANZ	78.02		P	08:43:17.238	0.1	4.3		5.55		TAS		1.2	0.91	m_e mb	4.0
MANZ	78.02		pP	08:43:30.774						T__				m_e	
MOX	77.38		P	08:43:13.814	0.1	4.3		5.55		TAS				m_e	
NEUB	76.83		P	08:43:10.542	-0.2	4.3		5.55		TAS				m_e	
NRDL	75.60		P	08:43:03.287	0.7	4.3		5.55		TAS				m_e	
RGN	73.40		P	08:42:50.918	0.4	4.3		5.55		TAS				m_e	
RJOB	80.22		P	08:43:29.459		4.3		5.55		TAS		6.4	0.73	m_e mb	4.6
RJOB	80.22		pP	08:43:42.906						T__				m_e	
ROTZ	78.23		P	08:43:18.344	0.0	4.3		5.55		TAS		1.9	1.00	m_e mb	4.2
ROTZ	78.23		pP	08:43:31.960						T__				m_e	
TANN	77.57		P	08:43:14.637	0.3	4.3		5.55		TAS		9.5	1.09	m_e mb	4.8
TNS	77.93		P	08:43:16.736	0.1	4.3		5.55		TAS		8.2	0.87	m_e mb	4.9
UBBA	77.28		P	08:43:13.108	-0.3	4.3		5.55		TAS		3.6	0.90	m_e mb	4.5
UBR	80.42		P	08:43:30.638		4.3		5.55		TAS				m_e	
UBR	80.42		pP	08:43:43.752						T__				m_e	
WERD	77.54		P	08:43:14.336	-0.1	4.3		5.55		TAS				m_e	
WERN	77.70		P	08:43:15.421	-0.0	4.3		5.55		TAS				m_e	
WET	78.81		P	08:43:21.758	-0.0	4.3		5.55		TAS		18.0	1.32	m_e mb	4.9
WET	78.81		pP	08:43:34.886						T__				m_e	

Event 51103002 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/03	11:00:30.97			48.9590	149.1570				419.8	1.1		19		71.76	77.34	m i ke	BGR
51103008																	

Magnitude Err Nsta Author  
 mb 4.5 BGR 51103008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	75.68	P	11:11:30.698	-0.3	27.1	5.94	TAS	6.6	0.81	m_e	mb	4.7
ASSE	73.27	P	11:11:15.716	0.0	27.1	5.94	TAS	1.9	0.81	m_e	mb	4.3
ASSE	73.27	pP	11:12:48.135	0.6			T__			m_e		
BFO	77.34	P	11:11:39.785	-0.9	27.1	5.94	TAS	4.4	0.69	m_e	mb	4.7
BRG	73.42	P	11:11:17.156	0.4	27.1	5.94	TAS	4.5	1.08	m_e	mb	4.5
BSEG	71.76	P	11:11:07.061	0.6	27.1	5.94	TAS	4.1	0.68	m_e	mb	4.7
CLL	73.32	P	11:11:16.440	-0.1	27.1	5.94	TAS	10.6	0.78	m_e	mb	5.0
CLZ	73.61	P	11:11:18.388	-0.3	27.1	5.94	TAS	7.0	0.87	m_e	mb	4.8
CLZ	73.61	pP	11:12:50.477	0.6			T__			m_e		
FBE	73.55	P	11:11:18.167	-0.1	27.1	5.94	TAS	7.1	0.77	m_e	mb	4.9
FLT1	72.93	P	11:11:13.833	-0.9	27.1	5.94	TAS	5.1	0.77	m_e	mb	4.7
GEC2	75.27	P	11:11:28.428	-0.1	27.1	5.94	TAS	1.7	0.62	m_e	mb	4.2
GRA1	75.28	P	11:11:28.367	0.3	27.1	5.94	TAS	10.5	0.82	m_e	mb	4.9
GUNZ	74.35	P	11:11:22.715	0.1	27.1	5.94	TAS	3.6	0.75	m_e	mb	4.5
MANZ	74.75	P	11:11:25.287	0.2	27.1	5.94	TAS	0.5	0.78	m_e	mb	3.6
MOX	74.32	P	11:11:22.515	0.2	27.1	5.94	TAS	3.8	0.87	m_e	mb	4.4
NRDL	73.10	P	11:11:15.014	-0.2	27.1	5.94	TAS	4.1	0.75	m_e	mb	4.6
NRDL	73.10	pP	11:12:47.142	0.6			T__			m_e		
RJOB	76.53	P	11:11:35.222		27.1	5.94	TAS	3.6	0.71	m_e	mb	4.6
ROTZ	74.92	P	11:11:26.519	-0.1	27.1	5.94	TAS	1.0	0.91	m_e	mb	3.9
TANN	74.27	P	11:11:22.145	-0.2	27.1	5.94	TAS	2.2	0.71	m_e	mb	4.3
TNS	75.60	P	11:11:30.153	0.2	27.1	5.94	TAS	5.5	0.73	m_e	mb	4.7
WERN	74.41	P	11:11:23.377	-0.0	27.1	5.94	TAS	5.8	0.77	m_e	mb	4.7
WET	75.26	P	11:11:28.270	0.1	27.1	5.94	TAS	3.7	0.83	m_e	mb	4.4

Event 51103005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/03	14:10:31.74			-22.2380	-178.2260				649.3	2.1		22		147.69	153.75	m i ke	BGR
51103011																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.45		PKPbc	14:30:27.554	-0.4	18.6		2.42		TAS					m_e
ASSE	149.38		PKPbc	14:30:22.000	0.4	18.6		2.42		TAS					m_e
BFO	153.44		PKPbc	14:30:31.750	-0.4	18.6		2.42		TAS					m_e
BRG	149.88		PKPbc	14:30:23.004	-0.2	18.6		2.42		TAS					m_e
BSEG	147.69		PKPbc	14:30:17.609		18.6		2.42		TAS					m_e
BUG	150.54		PKPbc	14:30:24.940	-0.4	18.6		2.42		TAS					m_e
CLL	149.69		PKPbc	14:30:22.725	-0.0	18.6		2.42		TAS					m_e
CLZ	149.71		PKPbc	14:30:22.864	0.1	18.6		2.42		TAS					m_e
FBE	149.97		PKPbc	14:30:23.794	0.4	18.6		2.42		TAS					m_e
FLT1	149.09		PKPbc	14:30:21.083	-0.3	18.6		2.42		TAS					m_e
FUR	153.04		PKPbc	14:30:30.668	-0.4	18.6		2.42		TAS					m_e
GEC2	151.80		PKPbc	14:30:27.794		18.6		2.42		TAS					m_e

GRA1	151.60	PKPbc	14:30:27.422	0.0	18.6	2.42	TAS	m_e
GTTG	150.06	PKPbc	14:30:23.539	0.2	18.6	2.42	TAS	m_e
GUNZ	150.73	PKPbc	14:30:25.422	0.2	18.6	2.42	TAS	m_e
HLG	147.77	PKPbc	14:30:18.020	-0.4	18.6	2.42	TAS	m_e
IBBN	149.63	PKPbc	14:30:22.686	-0.4	18.6	2.42	TAS	m_e
IBBN	149.63	pPKPbc	14:32:49.151	-0.4			T__	m_e
MANZ	151.13	PKPbc	14:30:26.492	0.3	18.6	2.42	TAS	m_e
MOX	150.62	PKPbc	14:30:24.578	0.0	18.6	2.42	TAS	m_e
NEUB	150.06	PKPbc	14:30:23.655	0.0	18.6	2.42	TAS	m_e
NRDL	149.12	PKPbc	14:30:21.330	-0.1	18.6	2.42	TAS	m_e
RJOB	153.06	PKPbc	14:30:30.530	-0.4	18.6	2.42	TAS	m_e
ROTZ	151.32	PKPbc	14:30:26.538	-0.2	18.6	2.42	TAS	m_e
RUE	148.43	PKPbc	14:30:19.647	-0.4	18.6	2.42	TAS	m_e
RUE	148.43	pPKPbc	14:32:46.894	-0.4			T__	m_e
STU	152.87	PKPbc	14:30:30.380	-0.4	18.6	2.42	TAS	m_e
TANN	150.65	PKPbc	14:30:25.236	0.2	18.6	2.42	TAS	m_e
TNS	151.58	PKPbc	14:30:27.296	-0.4	18.6	2.42	TAS	m_e
UBBA	150.76	PKPbc	14:30:25.096	-0.2	18.6	2.42	TAS	m_e
UBR	153.75	PKPbc	14:30:31.932		18.6	2.42	TAS	m_e
WERD	150.66	PKPbc	14:30:25.050	0.0	18.6	2.42	TAS	m_e
WERN	150.79	PKPbc	14:30:25.794	0.4	18.6	2.42	TAS	m_e
WET	151.74	PKPbc	14:30:27.516	-0.4	18.6	2.42	TAS	m_e
WLF	152.41	PKPbc	14:30:29.886		18.6	2.42	TAS	m_e

Event 51103006 Leeward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/03	17:32:06.05			15.3240	-61.1930				136.2			28		63.82	68.90	m i ke	BGR
51103012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51103012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	64.52		P	17:42:28.190	0.2	266.3		6.24		TAS		14.5	0.81	m_e mb	5.3
ASSE	66.93		P	17:42:43.141	-0.3	266.3		6.24		TAS		6.5	0.84	m_e mb	4.9
BFO	65.11		P	17:42:31.733	-0.9	266.3		6.24		TAS		3.3	0.87	m_e mb	4.6
BRG	68.90		P	17:42:55.583		266.3		6.24		TAS		8.6	0.81	m_e mb	5.0
BSEG	66.88		P	17:42:42.653	0.4	266.3		6.24		TAS		9.2	0.81	m_e mb	5.1
BUG	64.75		P	17:42:29.782	-0.1	266.3		6.24		TAS		7.5	0.70	m_e mb	5.0
CLL	68.32		P	17:42:52.083	-0.3	266.3		6.24		TAS		8.5	0.85	m_e mb	5.0
CLZ	66.72		P	17:42:42.119	-0.2	266.3		6.24		TAS		8.6	0.79	m_e mb	5.0
FBE	68.53		P	17:42:53.507	-0.1	266.3		6.24		TAS		7.1	0.70	m_e mb	5.0
FLT1	67.29		P	17:42:45.500	-0.5	266.3		6.24		TAS		6.6	0.72	m_e mb	5.0
GEC2	68.70		P	17:42:54.100		266.3		6.24		TAS		4.4	0.78	m_e mb	4.8
GRA1	67.11		P	17:42:44.254	-0.1	266.3		6.24		TAS		7.7	0.91	m_e mb	4.9

Station	Mag	Type	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
GTTG	66.44	P	17:42:40.399	0.2	266.3			6.24		TAS	6.6	0.76	m_e	mb				4.9	
GUNZ	67.85	P	17:42:49.236	0.1	266.3			6.24		TAS	5.6	0.68	m_e	mb				4.9	
IBBN	65.16	P	17:42:32.273	-0.1	266.3			6.24		TAS	19.2	0.93	m_e	mb				5.3	
MANZ	67.69	P	17:42:48.465	-0.1	266.3			6.24		TAS	3.1	0.93	m_e	mb				4.5	
MOX	67.41	P	17:42:45.974	0.0	266.3			6.24		TAS	3.0	0.79	m_e	mb				4.6	
NEUB	67.54	P	17:42:47.125	0.3	266.3			6.24		TAS	9.7	0.88	m_e	mb				5.0	
NRDL	66.61	P	17:42:41.644	0.0	266.3			6.24		TAS	9.5	0.81	m_e	mb				5.1	
RJOB	68.07	P	17:42:50.474	0.3	266.3			6.24		TAS			m_e						
ROTZ	67.75	P	17:42:48.465	0.0	266.3			6.24		TAS	1.8	1.14	m_e	mb				4.2	
STU	65.72	P	17:42:35.773	-0.0	266.3			6.24		TAS	39.1	0.86	m_e	mb				5.7	
TANN	67.94	P	17:42:49.711	0.4	266.3			6.24		TAS	5.4	0.70	m_e	mb				4.9	
TNS	65.36	P	17:42:33.993	0.3	266.3			6.24		TAS	14.7	0.83	m_e	mb				5.3	
UBBA	66.40	P	17:42:40.202	-0.0	266.3			6.24		TAS			m_e						
UBR	66.26	P	17:42:39.008	0.6	266.3			6.24		TAS			m_e						
WERD	67.84	P	17:42:49.177	0.0	266.3			6.24		TAS	5.1	0.69	m_e	mb				4.9	
WERN	67.88	P	17:42:49.474	-0.0	266.3			6.24		TAS	4.4	0.75	m_e	mb				4.8	
WET	68.16	P	17:42:51.431	0.1	266.3			6.24		TAS	5.4	0.89	m_e	mb				4.8	
WLF	63.82	P	17:42:23.931	-0.0	266.3			6.24		TAS	12.6	0.78	m_e	mb				5.2	

Event 51104001 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/04	08:12:22.52		1.3060	97.6240				69.1				22		85.00	89.97	m i ke	BGR
OrigID 51104007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51104007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	89.35	P		08:25:11.461		91.9		4.86		TAS		8.4	0.82	m_e	mb	5.0
ASSE	87.10	P		08:25:00.349	0.5	91.9		4.86		TAS		5.6	0.94	m_e	mb	4.7
BFO	88.56	P		08:25:06.940		91.9		4.86		TAS		5.0	0.96	m_e	mb	4.7
BRG	85.00	P		08:24:49.977	-0.2	91.9		4.86		TAS		3.8	0.81	m_e	mb	4.7
BSEG	87.36	P		08:25:01.895	0.2	91.9		4.86		TAS		15.2	0.87	m_e	mb	5.1
BUG	89.21	P		08:25:10.636		91.9		4.86		TAS		12.0	0.78	m_e	mb	5.2
CLL	85.62	P		08:24:52.972	-0.4	91.9		4.86		TAS		3.4	0.85	m_e	mb	4.5
CLZ	87.28	P		08:25:01.715	-0.0	91.9		4.86		TAS		12.1	1.05	m_e	mb	5.0
FBE	85.37	P		08:24:51.791	-0.2	91.9		4.86		TAS		5.9	0.76	m_e	mb	4.9
FLT1	86.76	P		08:24:58.634	0.3	91.9		4.86		TAS		6.6	1.10	m_e	mb	4.7
GEC2	85.01	P		08:24:50.056	0.3	91.9		4.86		TAS		8.8	0.98	m_e	mb	5.0
GRA1	86.68	P		08:24:58.594	0.4	91.9		4.86		TAS		6.3	0.78	m_e	mb	4.8
GTTG	87.53	P		08:25:02.854	-0.6	91.9		4.86		TAS		11.6	0.97	m_e	mb	5.2
GUNZ	85.99	P		08:24:55.212	-0.4	91.9		4.86		TAS		3.2	0.92	m_e	mb	4.4
HLG	88.80	P		08:25:08.738	0.5	91.9		4.86		TAS				m_e		
MANZ	86.12	P		08:24:55.534	0.2	91.9		4.86		TAS		2.3	0.93	m_e	mb	4.3
MOX	86.46	P		08:24:57.467	0.3	91.9		4.86		TAS				m_e		

NEUB	86.38	P	08:24:56.754	0.4	91.9	4.86	TAS	7.6	0.78	m_e	mb	4.9
NRDL	87.46	P	08:25:02.190	0.1	91.9	4.86	TAS	18.1	0.99	m_e	mb	5.2
RJOB	85.55	P	08:24:52.798	0.3	91.9	4.86	TAS			m_e		
ROTZ	86.04	P	08:24:55.108	-0.6	91.9	4.86	TAS	0.8	0.78	m_e	mb	3.9
TNS	88.48	P	08:25:07.211		91.9	4.86	TAS	10.3	0.82	m_e	mb	5.2
UBBA	87.49	P	08:25:02.861	0.5	91.9	4.86	TAS			m_e		
WERD	86.01	P	08:24:55.090	-0.6	91.9	4.86	TAS			m_e		
WERN	85.96	P	08:24:54.998	0.1	91.9	4.86	TAS	3.3	0.88	m_e	mb	4.5
WET	85.57	P	08:24:52.895	-0.1	91.9	4.86	TAS	6.8	0.95	m_e	mb	4.8
WLF	89.97	P	08:25:14.323		91.9	4.86	TAS	8.1	0.86	m_e	mb	5.0

Event 51104004 Off southeast coast of Hokkaido, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/04	13:47:40.31			42.9200	147.1190				33.0					80.02	80.02	m i ke	BGR
OrigID 51104010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51104010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	80.02		P	13:59:45.060		29.6		4.58		TAS		23.4	0.92	m_e	mb	5.1

Event 51104003 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/04	18:10:18.03			-17.1530	179.0030				33.0					146.07	146.07	m i ke	BGR
OrigID 51104009																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.07		PKPbc	18:29:53.883		14.9		2.88		TAS				m_e	

Event 51105001 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/05	01:59:25.43			56.1780	162.3670				72.3	1.3		32		67.88	73.94	m i ke	BGR
OrigID 51105007																	

Magnitude Err Nsta Author OrigID  
 mb 5.3 BGR 51105007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.69		P	02:10:38.754	0.3	16.7		6.14		TAS		8.9	0.92	m_e	mb 4.9
ASSE	69.56		P	02:10:25.452	0.0	16.7		6.14		TAS		16.1	1.08	m_e	mb 5.1
BFO	73.63		P	02:10:50.148	-0.3	16.7		6.14		TAS		20.4	0.97	m_e	mb 5.1
BFO	73.63		pP	02:11:08.940	0.6					T__				m_e	
BRG	70.15		P	02:10:29.062	0.0	16.7		6.14		TAS		17.5	0.93	m_e	mb 5.2
BSEG	67.88		P	02:10:14.987	-0.1	16.7		6.14		TAS		22.2	0.87	m_e	mb 5.4
BUG	70.79		P	02:10:32.777	-0.1	16.7		6.14		TAS		18.7	0.89	m_e	mb 5.2
CLL	69.92		P	02:10:27.438	-0.2	16.7		6.14		TAS		37.9	0.99	m_e	mb 5.5
CLZ	69.89		P	02:10:27.171	-0.3	16.7		6.14		TAS		31.9	0.96	m_e	mb 5.4
FBE	70.22		P	02:10:29.834	0.4	16.7		6.14		TAS		28.1	0.91	m_e	mb 5.4
FLT1	69.27		P	02:10:23.344	-0.3	16.7		6.14		TAS		11.7	0.85	m_e	mb 5.1
FUR	73.26		P	02:10:47.770	-0.4	16.7		6.14		TAS		26.8	0.81	m_e	mb 5.4
FUR	73.26		pP	02:11:07.119	0.6					T__				m_e	
GEC2	72.13		P	02:10:41.266	0.1	16.7		6.14		TAS		19.2	0.85	m_e	mb 5.3
GRA1	71.80		P	02:10:39.281	0.1	16.7		6.14		TAS		43.5	0.83	m_e	mb 5.6
GTTG	70.24		P	02:10:29.603	-0.0	16.7		6.14		TAS		10.1	0.89	m_e	mb 5.0
GUNZ	70.95		P	02:10:34.215	0.2	16.7		6.14		TAS		22.4	0.90	m_e	mb 5.3
IBBN	69.87		P	02:10:27.369	0.1	16.7		6.14		TAS		26.1	0.82	m_e	mb 5.4
MANZ	71.35		P	02:10:36.200	-0.2	16.7		6.14		TAS		4.7	0.86	m_e	mb 4.6
MOX	70.81		P	02:10:33.188	0.0	16.7		6.14		TAS		24.2	0.91	m_e	mb 5.3
NEUB	70.26		P	02:10:29.628	-0.1	16.7		6.14		TAS		14.8	0.86	m_e	mb 5.1
NRDL	69.30		P	02:10:23.878	0.0	16.7		6.14		TAS		14.2	0.83	m_e	mb 5.2
RJOB	73.37		P	02:10:49.002	0.2	16.7		6.14		TAS		37.9	0.78	m_e	mb 5.6
ROTZ	71.54		P	02:10:37.691	0.1	16.7		6.14		TAS		5.1	0.87	m_e	mb 4.7
RUE	68.66		P	02:10:19.927	0.0	16.7		6.14		TAS		40.7	0.96	m_e	mb 5.6
STU	73.05		P	02:10:46.856	-0.1	16.7		6.14		TAS		34.4	0.89	m_e	mb 5.5
TANN	70.88		P	02:10:33.736	0.2	16.7		6.14		TAS		18.0	1.01	m_e	mb 5.2
TNS	71.78		P	02:10:38.939	-0.1	16.7		6.14		TAS		13.1	0.87	m_e	mb 5.1
UBBA	70.94		P	02:10:33.736	-0.2	16.7		6.14		TAS		7.9	0.85	m_e	mb 4.9
UBR	73.94		P	02:10:51.946	-0.4	16.7		6.14		TAS		24.7	0.86	m_e	mb 5.3
WERD	70.87		P	02:10:33.667	0.2	16.7		6.14		TAS		32.2	0.86	m_e	mb 5.5
WERN	71.01		P	02:10:34.557	0.2	16.7		6.14		TAS		35.6	0.78	m_e	mb 5.6
WET	72.01		P	02:10:40.490	0.0	16.7		6.14		TAS		29.3	0.91	m_e	mb 5.4
WLF	72.68		P	02:10:45.168	0.6	16.7		6.14		TAS				m_e	

Event 51105002 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/05	08:23:06.18			32.1600	140.7580				62.4			19		84.15	89.28	m i ke	BGR
				51105008													

Magnitude Err Nsta Author OrigID

mb 5.2 BGR 51105008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	85.39		P	08:35:35.137		41.3		5.03		TAS				m_e	
BFO	89.28		P	08:35:54.200		41.3		5.03		TAS		7.1	0.89	m_e mb	4.9
BRG	84.96		P	08:35:33.215	-0.3	41.3		5.03		TAS		20.1	0.97	m_e mb	5.3
BSEG	84.15		P	08:35:29.214	0.1	41.3		5.03		TAS		34.1	1.11	m_e mb	5.5
BUG	87.26		P	08:35:44.950		41.3		5.03		TAS				m_e	
CLL	85.05		P	08:35:33.508	-0.1	41.3		5.03		TAS		46.4	0.89	m_e mb	5.7
CLZ	85.73		P	08:35:37.254	0.1	41.3		5.03		TAS		38.9	1.20	m_e mb	5.4
FBE	85.18		P	08:35:34.524	0.6	41.3		5.03		TAS		41.2	0.98	m_e mb	5.6
FLT1	85.01		P	08:35:33.073	-0.8	41.3		5.03		TAS		30.7	0.95	m_e mb	5.5
GEC2	86.56		P	08:35:40.798	-0.2	41.3		5.03		TAS		8.5	1.05	m_e mb	4.8
GRA1	87.01		P	08:35:43.632		41.3		5.03		TAS		28.8	1.22	m_e mb	5.3
GTTG	86.12		P	08:35:39.077	-0.2	41.3		5.03		TAS		30.3	1.01	m_e mb	5.4
GUNZ	86.03		P	08:35:38.823	0.0	41.3		5.03		TAS		15.5	1.33	m_e mb	5.0
IBBN	86.39		P	08:35:40.241	0.1	41.3		5.03		TAS		50.2	1.28	m_e mb	5.5
MANZ	86.41		P	08:35:40.646	-0.4	41.3		5.03		TAS		2.4	1.35	m_e mb	4.2
MOX	86.12		P	08:35:39.000	0.2	41.3		5.03		TAS		18.8	1.31	m_e mb	5.1
NEUB	85.65		P	08:35:36.849	-0.1	41.3		5.03		TAS		38.2	0.85	m_e mb	5.6
NRDL	85.34		P	08:35:35.092		41.3		5.03		TAS				m_e	
RJOB	87.79		P	08:35:47.075		41.3		5.03		TAS				m_e	
ROTZ	86.53		P	08:35:41.152	0.1	41.3		5.03		TAS		3.8	1.55	m_e mb	4.3
TANN	85.94		P	08:35:37.963	0.2	41.3		5.03		TAS				m_e	
UBBA	86.66		P	08:35:41.529		41.3		5.03		TAS				m_e	
WERD	85.98		P	08:35:38.368	0.1	41.3		5.03		TAS		16.1	1.35	m_e mb	5.0
WERN	86.07		P	08:35:38.874	0.4	41.3		5.03		TAS		17.3	1.23	m_e mb	5.0

Event 51105003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/05	18:03:04.38			38.9770	143.9680				33.0			24		79.22	84.57	m i ke	BGR
OrigID 51105009																	

Magnitude Err Nsta Author OrigID  
mb 5.1 BGR 51105009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.15		P	18:15:26.316	0.0	35.2		5.24		TAS		25.0	1.34	m_e mb	5.3
ASSE	80.58		P	18:15:12.674	-0.1	35.2		5.24		TAS		19.9	1.45	m_e mb	4.9
BFO	84.57		P	18:15:33.773	-0.5	35.2		5.24		TAS		40.9	1.48	m_e mb	5.4
BRG	80.38		P	18:15:11.449	-0.4	35.2		5.24		TAS		20.6	1.32	m_e mb	4.9
BSEG	79.22		P	18:15:05.278	-0.0	35.2		5.24		TAS		23.7	1.09	m_e mb	5.1
CLL	80.39		P	18:15:11.449	-0.4	35.2		5.24		TAS		25.3	1.08	m_e mb	5.1
CLZ	80.92		P	18:15:14.515	0.5	35.2		5.24		TAS		43.9	1.36	m_e mb	5.3
FBE	80.57		P	18:15:12.801	-0.0	35.2		5.24		TAS		45.1	1.42	m_e mb	5.3

FLT1	80.21	P	18:15:10.563	-0.3	35.2	5.24	TAS	28.1	1.14	m_e	mb	5.1
GEC2	82.10	P	18:15:20.789	-0.4	35.2	5.24	TAS			m_e		
GRA1	82.37	P	18:15:22.050	0.6	35.2	5.24	TAS	43.2	1.17	m_e	mb	5.5
GTTG	81.31	P	18:15:16.813	0.2	35.2	5.24	TAS			m_e		
MANZ	81.80	P	18:15:19.322	-0.2	35.2	5.24	TAS	3.5	1.27	m_e	mb	4.3
MOX	81.45	P	18:15:17.554	-0.3	35.2	5.24	TAS	19.3	1.32	m_e	mb	5.0
NEUB	80.94	P	18:15:14.744	-0.0	35.2	5.24	TAS	36.9	1.13	m_e	mb	5.3
RJOB	83.35	P	18:15:27.560	0.8	35.2	5.24	TAS	34.4	1.41	m_e	mb	5.4
ROTZ	81.94	P	18:15:20.145	0.4	35.2	5.24	TAS	8.6	1.56	m_e	mb	4.6
TANN	81.32	P	18:15:16.982	0.3	35.2	5.24	TAS	15.9	1.52	m_e	mb	4.8
TNS	82.94	P	18:15:25.302	0.1	35.2	5.24	TAS	15.5	1.46	m_e	mb	5.0
UBBA	81.89	P	18:15:19.893	-0.2	35.2	5.24	TAS			m_e		
UBR	84.45	P	18:15:33.016	-1.0	35.2	5.24	TAS	26.7	1.48	m_e	mb	5.3
WERN	81.45	P	18:15:17.742	0.3	35.2	5.24	TAS	21.3	1.24	m_e	mb	5.0
WET	82.18	P	18:15:21.250	0.4	35.2	5.24	TAS	21.4	1.29	m_e	mb	5.1
WLF	84.21	P	18:15:32.229	0.4	35.2	5.24	TAS			m_e		

Event 51105004 Cook Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/05	20:43:06.89			-16.9420	-157.4690				33.0					146.07	146.07	m i ke	BGR
51105010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.07		PKPbc	21:02:47.680		345.2		2.84		TAS				m_e	

Event 51106001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/06	01:10:00.83			53.4500	-169.2200				10.0				33	72.35	79.25	m i ke	BGR
51106007																	

Magnitude Err Nsta Author OrigID

mb	5.6		BGR	51106007
Ms	4.7		BGR	51106007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.34		P	01:21:50.372	0.0	0.4		5.69		TAS		63.4	1.24	a_e	mb	5.6
ASSE	74.79		P	01:21:41.322	0.2	0.4		5.69		TAS		39.1	1.22	a_e	mb	5.3
BFO	78.58		P	01:22:02.622	0.0	0.4		5.69		TAS		66.7	1.31	m_e	mb	5.5
BRG	76.02		P	01:21:48.122	-0.1	0.4		5.69		TAS		58.6	1.22	a_e	mb	5.6

BSEG	72.98	P	01:21:30.972	0.3	0.4	5.69	TAS	75.7	1.12	a_e	mb	5.7
BUG	75.44	P	01:21:44.822	-0.4	0.4	5.69	TAS	75.3	1.33	a_e	mb	5.6
CLL	75.60	P	01:21:45.572	-0.2	0.4	5.69	TAS	48.1	1.13	a_e	mb	5.5
CLZ	75.08	P	01:21:43.322	0.2	0.4	5.69	TAS	74.6	1.06	a_e	mb	5.6
FBE	75.98	P	01:21:48.322	-0.2	0.4	5.69	TAS	74.4	1.11	a_e	mb	5.7
FLT1	74.59	P	01:21:40.365	-0.1	0.4	5.69	TAS	41.6	0.99	m_e	mb	5.4
FUR	78.76	P	01:22:04.068	0.1	0.4	5.69	TAS	109.2	1.32	m_e	mb	5.7
GEC2	78.05	P	01:21:59.772	-0.3	0.4	5.69	TAS	70.7	1.40	a_e	mb	5.6
GRA1	77.23	P	01:21:55.672	0.1	0.4	5.69	TAS	146.5	1.38	a_e	mb	5.9
GRA1	77.23	L	02:00:30.723				T__	308.9	20.10	a_e	Ms	4.6
GTTG	75.37	P	01:21:44.922	-0.3	0.4	5.69	TAS	95.7	1.18	a_e	mb	5.7
GUNZ	76.55	P	01:21:51.572	0.2	0.4	5.69	TAS	64.8	1.73	a_e	mb	5.5
IBBN	74.58	P	01:21:40.524	0.1	0.4	5.69	TAS	126.1	1.19	m_e	mb	5.8
MANZ	76.93	P	01:21:53.522	0.1	0.4	5.69	TAS	7.3	1.16	a_e	mb	4.7
MOX	76.28	P	01:21:49.872	0.2	0.4	5.69	TAS	58.2	1.11	a_e	mb	5.6
MOX	76.28	L	02:04:50.221				T__	425.1	19.70	a_e	Ms	4.8
NEUB	75.73	P	01:21:46.572	0.2	0.4	5.69	TAS	93.5	1.12	a_e	mb	5.8
NRDL	74.43	P	01:21:39.172	0.3	0.4	5.69	TAS	49.9	1.09	a_e	mb	5.5
RGN	72.35	P	01:21:27.422	-0.1	0.4	5.69	TAS	153.2	1.03	a_e	mb	6.1
RJOB	79.18	P	01:22:06.438	-0.0	0.4	5.69	TAS	30.0	0.99	m_e	mb	5.3
ROTZ	77.15	P	01:21:54.972	0.3	0.4	5.69	TAS	13.6	1.44	a_e	mb	4.9
RUE	74.42	P	01:21:39.593	-0.2	0.4	5.69	TAS	115.5	1.20	m_e	mb	5.8
STU	78.15	P	01:22:00.272	-0.3	0.4	5.69	TAS	209.8	1.42	a_e	mb	6.1
TANN	76.50	P	01:21:51.272	0.1	0.4	5.69	TAS	45.9	1.52	a_e	mb	5.4
TNS	76.68	P	01:21:52.122	-0.1	0.4	5.69	TAS	52.2	1.27	a_e	mb	5.5
UBBA	76.10	P	01:21:48.822	-0.0	0.4	5.69	TAS	39.4	1.39	a_e	mb	5.4
UBR	79.25	P	01:22:06.771		0.4	5.69	TAS	82.9	1.30	m_e	mb	5.6
WERD	76.47	P	01:21:50.972	0.1	0.4	5.69	TAS	28.6	1.28	a_e	mb	5.2
WERN	76.63	P	01:21:52.072	-0.1	0.4	5.69	TAS	54.7	1.22	a_e	mb	5.5
WET	77.77	P	01:21:58.422	-0.2	0.4	5.69	TAS	50.4	1.31	a_e	mb	5.5
WLF	77.19	P	01:21:55.272	0.3	0.4	5.69	TAS	61.5	1.28	a_e	mb	5.6

Event 51106002 France

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/06	04:03:06.43	0.40	2.07	44.4470	6.8070	17.8	8.9	99	5.0			36	288	2.96	8.42	m i ke	BGR
51106008																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	51106008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	6.10		Pn	04:04:34.840	-0.3					T__				m_e	ML 4.2
ARSA	6.70		Pn	04:04:43.865	0.6					T__				m_e	
ASSE	8.11		Sg	04:07:23.429	0.0					T__				m_e	
BALST	2.96		Sg	04:04:39.123	-1.1					T__				m_e	

BALST	2.96	Pn	04:03:52.182	-0.6	T__	m_e ML	4.2
BFO	4.02	Sg	04:05:14.193	0.1	T__	m_e	
BFO	4.02	Sn	04:04:52.092	1.0	T__	m_e	
BFO	4.02	Pn	04:04:05.879	-1.2	T__	m_e ML	4.0
BFO	4.02	Pg	04:04:19.868	-2.3	T__	m_e	
BRG	8.03	Pg	04:05:37.624	0.1	T__	m_e	
BUG	7.01	Sn	04:06:05.347		T__	m_e	
BUG	7.01	Pn	04:04:48.483	1.1	T__	m_e	
CHRS	7.65	Sn	04:06:19.970		T__	m_e	
CHRS	7.65	Sg	04:07:08.744	-0.3	T__	m_e	
CHRS	7.65	Pg	04:05:29.396	-1.0	T__	m_e	
CLZ	7.77	Sg	04:07:13.413	0.6	T__	m_e	
CLZ	7.77	Pg	04:05:30.738		T__	m_e	
DAVA	3.56	Sg	04:04:53.648	-5.8	T__	m_e	
DAVA	3.56	Pn	04:04:02.009	1.1	T__	m_e ML	4.3
FLT1	8.42	Sg	04:07:37.568	4.2	T__	m_e	
FUR	4.84	Pn	04:04:17.906	-0.2	T__	m_e ML	4.4
GEC2	6.47	Sn	04:05:53.001	4.8	T__	m_e	
GEC2	6.47	Pn	04:04:40.311	0.2	T__	m_e	
GRA1	6.05	Pn	04:04:33.377		T__	m_e	
GRA1	6.05	Pg	04:04:58.635		T__	m_e	
HROE	6.50	Sg	04:06:34.503	1.9	T__	m_e	
HROE	6.50	Pg	04:05:06.075	-2.7	T__	m_e	
KAST	6.85	Pn	04:04:45.899	0.7	T__	m_e	
KBA	5.28	Pn	04:04:26.000	1.9	T__	m_e ML	3.9
MILB	5.64	Sn	04:05:32.577		T__	m_e	
MILB	5.64	Pn	04:04:27.674	-1.3	T__	m_e ML	4.6
MOA	6.20	Pn	04:04:36.620	0.1	T__	m_e ML	4.0
MOX	7.00	Pg	04:05:18.303		T__	m_e	
NEUB	7.53	Pg	04:05:25.018	-3.1	T__	m_e	
NORI	5.02	Sn	04:05:18.255		T__	m_e	
NRDL	8.35	Sg	04:07:36.996	6.0	T__	m_e	
OBER	3.83	Pn	04:04:05.128	0.5	T__	m_e ML	3.8
OBKA	5.82	Pn	04:04:31.325	-0.1	T__	m_e ML	4.1
PART	4.28	Pn	04:04:12.848	2.2	T__	m_e ML	3.7
PLONS	3.17	Sg	04:04:42.952	-3.9	T__	m_e	
PLONS	3.17	Pn	04:03:56.037	0.4	T__	m_e ML	4.1
SLE	3.52	Sg	04:04:58.177	0.1	T__	m_e	
SLE	3.52	Sn	04:04:41.297		T__	m_e	
SLE	3.52	Pn	04:03:59.520	-0.9	T__	m_e ML	4.5
STU	4.63	Sn	04:05:07.241		T__	m_e	
STU	4.63	Pn	04:04:14.926	-0.4	T__	m_e ML	4.4
SULZ	3.21	Sg	04:04:50.418	2.0	T__	m_e	
SULZ	3.21	Pn	04:03:55.934	-0.3	T__	m_e ML	4.4
SULZ	3.21	Pg	04:04:05.089	-1.9	T__	m_e	
TNS	5.88	Pn	04:04:31.547	-0.7	T__	m_e ML	4.0
UBBA	6.73	Sg	04:06:38.412	-3.5	T__	m_e	
UBR	3.97	Pn	04:04:06.823	0.4	T__	m_e ML	4.3
WET	6.28	Sn	04:05:46.707		T__	m_e	

WET	6.28	Pn	04:04:36.926	-0.6	T__	m_e		
WILA	3.31	Pn	04:03:58.150	0.6	T__	m_e ML	4.5	
WILA	3.31	Pg	04:04:06.956	-1.8	T__	m_e		
WIMM	7.75	Sg	04:07:14.035	2.0	T__	m_e		
WIMM	7.75	Pg	04:05:29.467	-2.7	T__	m_e		
WLF	5.24	Sn	04:05:22.641		T__	m_e		
WLF	5.24	Pn	04:04:24.477	0.9	T__	m_e ML	4.2	
WTTA	4.39	Pn	04:04:13.767	1.6	T__	m_e ML	4.3	
ZUGS	4.16	Pn	04:04:09.889	1.5	T__	m_e		

Event 51107001 Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/07	06:58:33.60			8.4300	-70.9900				33.0			27		75.30	80.33	m i ke	BGR
51107007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	51107007
Ms	6.4		BGR	51107007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.96		P	07:10:18.053	0.3	269.3		5.54		TAS		49.1	1.20	m_e	mb 5.5
BFO	76.65		P	07:10:21.103	-0.4	269.3		5.54		TAS		25.5	1.13	m_e	mb 5.3
BRG	80.33		P	07:10:41.870		269.3		5.54		TAS		17.9	1.04	m_e	mb 4.9
BSEG	78.12		P	07:10:29.532	-0.4	269.3		5.54		TAS		34.9	1.08	m_e	mb 5.4
BUG	76.14		P	07:10:18.678	-0.1	269.3		5.54		TAS		29.7	0.98	m_e	mb 5.4
CLL	79.73		P	07:10:38.446		269.3		5.54		TAS		17.5	0.94	m_e	mb 5.0
CLZ	78.09		P	07:10:29.801	-0.1	269.3		5.54		TAS		24.7	0.87	m_e	mb 5.4
FBE	79.95		P	07:10:40.052		269.3		5.54		TAS		27.6	1.06	m_e	mb 5.1
FLT1	78.63		P	07:10:32.162	0.1	269.3		5.54		TAS		34.6	1.06	m_e	mb 5.3
GEC2	80.22		P	07:10:41.108		269.3		5.54		TAS		24.5	1.04	m_e	mb 5.1
GRA1	78.59		L	08:38:39.411						T__	12226.3	18.30	a_e	Ms 6.3	
GTTG	77.83		P	07:10:28.064	0.4	269.3		5.54		TAS		46.8	1.16	m_e	mb 5.5
GUNZ	79.31		P	07:10:36.195	-0.2	269.3		5.54		TAS		34.4	1.29	m_e	mb 5.2
IBBN	76.50		P	07:10:20.665	-0.1	269.3		5.54		TAS		47.4	1.01	m_e	mb 5.6
MANZ	79.17		P	07:10:35.796	0.2	269.3		5.54		TAS		10.9	1.12	m_e	mb 4.8
MOX	78.85		L	08:35:27.936						T__	30245.8	20.30	a_e	Ms 6.6	
NEUB	78.95		P	07:10:34.245	-0.2	269.3		5.54		TAS		71.8	1.52	m_e	mb 5.5
NRDL	77.94		P	07:10:29.100	0.2	269.3		5.54		TAS		44.3	1.38	m_e	mb 5.4
RJOB	79.65		P	07:10:38.249	-0.1	269.3		5.54		TAS		20.8	1.10	m_e	mb 5.0
ROTZ	79.23		P	07:10:35.962	0.2	269.3		5.54		TAS		6.4	1.47	m_e	mb 4.4
STU	77.24		P	07:10:24.542	0.3	269.3		5.54		TAS		115.2	0.86	m_e	mb 6.0
TANN	79.39		P	07:10:36.972	-0.2	269.3		5.54		TAS		41.7	1.22	m_e	mb 5.3
TNS	76.81		P	07:10:22.504	-0.3	269.3		5.54		TAS		36.8	0.93	m_e	mb 5.5
UBBA	77.83		P	07:10:28.247	-0.0	269.3		5.54		TAS		22.2	1.34	m_e	mb 5.1
UBR	77.83		P	07:10:28.317	0.1	269.3		5.54		TAS		48.3	1.29	m_e	mb 5.5

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WERD	79.29	P	07:10:36.308	0.1	269.3	5.54	TAS	38.2	1.11	m_e	mb	5.3
WERN	79.34	P	07:10:36.267	0.2	269.3	5.54	TAS	25.5	1.14	m_e	mb	5.2
WET	79.68	P	07:10:38.383		269.3	5.54	TAS	24.2	1.12	m_e	mb	5.0
WLF	75.30	P	07:10:14.048	-0.0	269.3	5.54	TAS	58.4	1.20	m_e	mb	5.5

Event 51107002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/07	10:06:17.24			-18.3790	-173.2850				33.0			25		145.85	150.65	m i ke	BGR
51107008																	

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	10:25:53.943	0.1	8.2		2.73		TAS				m_e	
BFO	150.10		PKPbc	10:26:04.682		8.2		2.73		TAS				m_e	
BRG	147.07		PKPbc	10:25:56.709	-0.4	8.2		2.73		TAS				m_e	
BUG	147.01		PKPbc	10:25:56.549	0.1	8.2		2.73		TAS				m_e	
CLL	146.77		PKPbc	10:25:55.702	-0.1	8.2		2.73		TAS				m_e	
CLZ	146.49		PKPbc	10:25:55.306	0.1	8.2		2.73		TAS				m_e	
FBE	147.10		PKPbc	10:25:56.667	0.5	8.2		2.73		TAS				m_e	
FLT1	145.93		PKPbc	10:25:52.815	-0.1	8.2		2.73		TAS				m_e	
FUR	150.06		PKPbc	10:26:04.107		8.2		2.73		TAS				m_e	
GEC2	149.09		PKPbc	10:26:02.187		8.2		2.73		TAS				m_e	
GTTG	146.81		PKPbc	10:25:56.186	-0.0	8.2		2.73		TAS				m_e	
GUNZ	147.78		PKPbc	10:25:58.979	0.3	8.2		2.73		TAS				m_e	
IBBN	146.13		PKPbc	10:25:54.231	0.3	8.2		2.73		TAS				m_e	
MANZ	148.17		PKPbc	10:26:00.099	-0.3	8.2		2.73		TAS				m_e	
MOX	147.57		PKPbc	10:25:57.959	0.5	8.2		2.73		TAS				m_e	
NEUB	147.01		PKPbc	10:25:56.511	0.0	8.2		2.73		TAS				m_e	
NRDL	145.85		PKPbc	10:25:52.884	0.3	8.2		2.73		TAS				m_e	
RJOB	150.30		PKPbc	10:26:05.169		8.2		2.73		TAS				m_e	
ROTZ	148.38		PKPbc	10:26:00.331	0.1	8.2		2.73		TAS				m_e	
TANN	147.71		PKPbc	10:25:58.419	0.2	8.2		2.73		TAS				m_e	
TNS	148.20		PKPbc	10:25:59.895	-0.3	8.2		2.73		TAS				m_e	
UBR	150.65		PKPbc	10:26:06.408		8.2		2.73		TAS				m_e	
WERD	147.69		PKPbc	10:25:57.885	0.1	8.2		2.73		TAS				m_e	
WERN	147.84		PKPbc	10:25:59.257	0.0	8.2		2.73		TAS				m_e	
WLF	148.79		PKPbc	10:26:02.016		8.2		2.73		TAS				m_e	

Event 51107004 Near east coast of eastern Honshu, Japan

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

2015/11/07 13:44:43.70 36.5500 141.2900 100.0 26 80.26 85.68 m i ke BGR  
51107010

Magnitude Err Nsta Author OrigID  
mb 5.4 BGR 51107010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.68		P	13:57:11.042		38.2		5.15		TAS		39.9	1.13	m_e	mb 5.4
BRG	81.42		P	13:56:49.445	0.1	38.2		5.15		TAS		25.7	0.92	m_e	mb 5.2
BSEG	80.45		P	13:56:44.587	-0.4	38.2		5.15		TAS		47.3	1.13	m_e	mb 5.3
CLL	81.47		P	13:56:49.519	-0.2	38.2		5.15		TAS		52.3	0.87	m_e	mb 5.6
CLZ	82.08		P	13:56:53.411	0.2	38.2		5.15		TAS		50.8	1.14	m_e	mb 5.5
FBE	81.62		P	13:56:50.778	-0.0	38.2		5.15		TAS		52.6	0.94	m_e	mb 5.6
FLT1	81.36		P	13:56:48.864	-0.3	38.2		5.15		TAS		52.9	1.09	m_e	mb 5.5
FUR	84.62		P	13:57:06.155		38.2		5.15		TAS		49.1	0.84	m_e	mb 5.8
GEC2	83.07		P	13:56:57.851	-0.0	38.2		5.15		TAS		18.2	1.10	m_e	mb 5.2
GRA1	83.44		P	13:57:00.535	-0.1	38.2		5.15		TAS		69.9	1.12	m_e	mb 5.8
GTTG	82.47		P	13:56:55.229	0.3	38.2		5.15		TAS		36.3	1.00	m_e	mb 5.5
GUNZ	82.47		P	13:56:55.193	0.2	38.2		5.15		TAS		19.2	0.90	m_e	mb 5.2
IBBN	82.68		P	13:56:56.217	-0.2	38.2		5.15		TAS		37.0	0.79	m_e	mb 5.7
MANZ	82.85		P	13:56:57.085	0.0	38.2		5.15		TAS		4.5	0.87	m_e	mb 4.7
MOX	82.54		P	13:56:55.220	-0.3	38.2		5.15		TAS		35.3	1.43	m_e	mb 5.4
NEUB	82.04		P	13:56:52.780	0.2	38.2		5.15		TAS		60.7	0.98	m_e	mb 5.7
NRDL	81.66		P	13:56:50.573	0.4	38.2		5.15		TAS		20.9	1.06	m_e	mb 5.2
RJOB	84.31		P	13:57:04.627		38.2		5.15		TAS		27.4	1.01	m_e	mb 5.4
ROTZ	82.98		P	13:56:57.952	0.5	38.2		5.15		TAS		15.4	1.51	m_e	mb 5.0
RUE	80.26		P	13:56:43.666	0.1	38.2		5.15		TAS		52.6	1.06	m_e	mb 5.4
STU	84.98		P	13:57:07.889		38.2		5.15		TAS		104.7	1.16	m_e	mb 6.0
TANN	82.38		P	13:56:54.330	0.2	38.2		5.15		TAS		14.2	1.08	m_e	mb 5.0
TNS	84.11		P	13:57:03.394		38.2		5.15		TAS		21.3	1.35	m_e	mb 5.2
UBBA	83.03		P	13:56:57.642	0.1	38.2		5.15		TAS		15.5	1.12	m_e	mb 5.1
WERN	82.51		P	13:56:55.431	0.1	38.2		5.15		TAS		22.8	0.94	m_e	mb 5.4
WET	83.19		P	13:56:58.741	0.1	38.2		5.15		TAS		26.8	1.30	m_e	mb 5.3

Event 51107005 Luzon, Philippine Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2015/11/07 19:40:14.67 16.9360 120.9920 60.0 20 86.80 91.75 m i ke BGR  
51107011

Magnitude Err Nsta Author OrigID  
mb 4.9 BGR 51107011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.75		P	19:53:14.569		64.2		4.68		TAS		5.7	0.88	m_e	mb 4.9
BRG	87.35		P	19:52:54.079	0.1	64.2		4.68		TAS		9.6	0.91	m_e	mb 4.9

BSEG	88.07	P	19:52:58.180	-1.0	64.2	4.68	TAS	13.5	0.87	m_e	mb	5.3
CLL	87.72	P	19:52:55.900	0.6	64.2	4.68	TAS	4.8	0.79	m_e	mb	4.9
CLZ	88.97	P	19:53:02.608	-0.3	64.2	4.68	TAS	8.8	0.89	m_e	mb	5.0
FBE	87.68	P	19:52:55.909	-0.1	64.2	4.68	TAS	9.5	0.87	m_e	mb	5.1
FLT1	88.28	P	19:52:57.631	-0.1	64.2	4.68	TAS	4.6	0.85	m_e	mb	4.8
FUR	90.07	P	19:53:07.598		64.2	4.68	TAS	12.0	0.85	m_e	mb	5.2
GEC2	88.31	P	19:52:58.719	-0.5	64.2	4.68	TAS	18.3	1.38	m_e	mb	5.2
GTTG	89.33	P	19:53:02.716		64.2	4.68	TAS	7.2	0.91	m_e	mb	4.9
GUNZ	88.50	P	19:52:59.186	0.1	64.2	4.68	TAS	5.9	0.87	m_e	mb	4.9
MOX	88.79	P	19:53:00.885	0.6	64.2	4.68	TAS	3.4	0.83	m_e	mb	4.6
NRDL	88.83	P	19:53:01.633	0.1	64.2	4.68	TAS	8.8	0.86	m_e	mb	5.0
RJOB	89.32	P	19:53:03.457		64.2	4.68	TAS	5.2	0.79	m_e	mb	4.8
ROTZ	88.82	P	19:53:01.315	-0.1	64.2	4.68	TAS	1.1	0.89	m_e	mb	4.1
RUE	86.80	P	19:52:51.774	-0.2	64.2	4.68	TAS	32.7	0.94	m_e	mb	5.4
STU	91.03	P	19:53:11.639		64.2	4.68	TAS	27.3	1.05	m_e	mb	5.5
UBR	90.98	P	19:53:11.170		64.2	4.68	TAS	11.2	0.87	m_e	mb	5.2
WERN	88.51	P	19:52:59.671	0.5	64.2	4.68	TAS	4.2	0.91	m_e	mb	4.7
WET	88.69	P	19:53:01.003	0.7	64.2	4.68	TAS	2.4	0.94	m_e	mb	4.4

Event 51108002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	05:04:54.80			-20.4660	170.0890				33.0			25		144.32	148.56	m i ke	BGR
51108008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.56		PKPbc	05:24:37.311		37.5		3.02		TAS				m_e	
BRG	144.32		PKPbc	05:24:24.090	0.2	37.5		3.02		TAS				m_e	
BUG	146.28		PKPbc	05:24:30.699	-0.4	37.5		3.02		TAS				m_e	
CLL	144.36		PKPbc	05:24:24.645	0.2	37.5		3.02		TAS				m_e	
CLZ	144.91		PKPbc	05:24:26.656	-0.1	37.5		3.02		TAS				m_e	
FBE	144.52		PKPbc	05:24:25.705	0.3	37.5		3.02		TAS				m_e	
FUR	147.51		PKPbc	05:24:34.740		37.5		3.02		TAS				m_e	
GEC2	145.94		PKPbc	05:24:29.646	0.4	37.5		3.02		TAS				m_e	
GRA1	146.34		PKPbc	05:24:31.540		37.5		3.02		TAS				m_e	
GTTG	145.30		PKPbc	05:24:28.168	0.4	37.5		3.02		TAS				m_e	
GUNZ	145.37		PKPbc	05:24:28.401	-0.5	37.5		3.02		TAS				m_e	
IBBN	145.38		PKPbc	05:24:28.238	0.2	37.5		3.02		TAS				m_e	
MANZ	145.75		PKPbc	05:24:29.509	-0.3	37.5		3.02		TAS				m_e	
MOX	145.42		PKPbc	05:24:28.109	-0.1	37.5		3.02		TAS				m_e	
RJOB	147.17		PKPbc	05:24:33.372		37.5		3.02		TAS				m_e	
ROTZ	145.88		PKPbc	05:24:30.019	0.3	37.5		3.02		TAS				m_e	
STU	147.87		PKPbc	05:24:35.942		37.5		3.02		TAS				m_e	
TANN	145.27		PKPbc	05:24:27.868	0.1	37.5		3.02		TAS				m_e	

TNS	146.93	PKPbc	05:24:32.851		37.5	3.02	TAS		m_e
UBBA	145.89	PKPbc	05:24:29.729	0.2	37.5	3.02	TAS		m_e
UBR	148.38	PKPbc	05:24:36.533		37.5	3.02	TAS		m_e
WERD	145.31	PKPbc	05:24:28.066	-0.3	37.5	3.02	TAS		m_e
WERN	145.41	PKPbc	05:24:28.569	0.6	37.5	3.02	TAS		m_e
WET	146.08	PKPbc	05:24:30.433	-0.6	37.5	3.02	TAS		m_e
WLF	148.18	PKPbc	05:24:37.251		37.5	3.02	TAS		m_e

Event 51108003 Central Bolivia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	08:13:50.28			-15.1700	-66.9000				150.0			28		90.85	95.96	m i ke	BGR
OrigID 51108009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	51108009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	91.73	P		08:26:40.779	0.1	251.4		4.58		TAS		46.1	1.08	m_e mb	5.7
ASSE	94.40	P		08:26:53.013	0.1	251.4		4.58		TAS		29.3	1.19	m_e mb	5.5
BFO	91.68	P		08:26:40.002	-0.5	251.4		4.58		TAS		16.1	1.11	m_e mb	5.3
BRG	95.96	P		08:27:00.216		251.4		4.58		TAS		22.5	1.31	m_e mb	5.5
BSEG	94.78	P		08:26:54.384	0.1	251.4		4.58		TAS		41.2	1.11	m_e mb	5.8
BUG	92.17	P		08:26:42.438	-0.2	251.4		4.58		TAS		69.8	1.16	m_e mb	5.9
CLL	95.52	P		08:26:57.809		251.4		4.58		TAS		32.3	1.19	m_e mb	5.7
CLZ	94.13	P		08:26:51.661	-0.1	251.4		4.58		TAS		47.4	1.09	m_e mb	5.7
FBE	95.62	P		08:26:58.338		251.4		4.58		TAS		29.3	1.13	m_e mb	5.7
FLT1	94.79	P		08:26:54.340	0.4	251.4		4.58		TAS		26.8	1.01	m_e mb	5.6
FUR	93.48	P		08:26:48.685	-0.0	251.4		4.58		TAS		77.3	1.22	m_e mb	6.0
GEC2	95.22	P		08:26:56.383		251.4		4.58		TAS		17.9	1.05	m_e mb	5.4
GRA1	93.94	P		08:26:50.863	0.4	251.4		4.58		TAS		49.8	1.08	m_e mb	5.8
GTTG	93.79	P		08:26:50.197	0.0	251.4		4.58		TAS		47.2	1.14	m_e mb	5.7
GUNZ	94.83	P		08:26:54.952	-0.3	251.4		4.58		TAS		23.9	1.33	m_e mb	5.5
IBBN	92.77	P		08:26:45.379	-0.1	251.4		4.58		TAS		59.8	1.01	m_e mb	6.0
MANZ	94.58	P		08:26:53.536	-0.3	251.4		4.58		TAS		10.0	1.11	m_e mb	5.2
MOX	94.48	P		08:26:53.289	-0.4	251.4		4.58		TAS		88.4	2.53	m_e mb	5.6
NRDL	94.19	P		08:26:52.276	0.1	251.4		4.58		TAS		39.9	1.17	m_e mb	5.6
RJOB	94.32	P		08:26:52.479	0.0	251.4		4.58		TAS		15.7	1.08	m_e mb	5.3
ROTZ	94.57	P		08:26:53.800	-0.3	251.4		4.58		TAS		7.6	1.16	m_e mb	5.0
STU	92.38	P		08:26:43.507	-0.1	251.4		4.58		TAS		167.7	1.15	m_e mb	6.3
TANN	94.92	P		08:26:55.667	0.2	251.4		4.58		TAS		37.8	1.21	m_e mb	5.7
TNS	92.43	P		08:26:43.946	0.1	251.4		4.58		TAS		47.1	1.03	m_e mb	5.8
UBR	92.58	P		08:26:44.844	0.3	251.4		4.58		TAS		53.1	1.20	m_e mb	5.8
WERN	94.83	P		08:26:55.256	-0.2	251.4		4.58		TAS		22.5	1.15	m_e mb	5.5
WET	94.80	P		08:26:54.670	0.4	251.4		4.58		TAS		22.0	1.16	m_e mb	5.5
WLF	90.85	P		08:26:36.769	0.2	251.4		4.58		TAS		79.8	1.26	m_e mb	5.9

Event 51108004 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	09:35:01.53			0.7340	97.5850				73.7	1.4		33		85.41	90.38	m i ke	BGR
OrigID 51108010																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	51108010
Ms	4.7		BGR	51108010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.76		P	09:47:51.716	0.2	92.3		4.82		TAS		178.8	1.27	a_e mb	6.1
AHRW	89.76		pP	09:48:11.953						T__				m_e	
ASSE	87.52		P	09:47:40.516	-0.2	92.3		4.82		TAS		268.0	1.45	a_e mb	6.4
ASSE	87.52		pP	09:48:00.778						T__				m_e	
BFO	88.96		P	09:47:47.266	-0.4	92.3		4.82		TAS		243.2	1.73	a_e mb	6.1
BFO	88.96		pP	09:48:07.362						T__				m_e	
BRG	85.41		P	09:47:30.616	0.1	92.3		4.82		TAS		212.6	1.54	a_e mb	6.1
BRG	85.41		pP	09:47:50.452						T__				m_e	
BSEG	87.80		P	09:47:42.016	0.0	92.3		4.82		TAS		424.0	1.53	a_e mb	6.5
BSEG	87.80		pP	09:48:02.183						T__				m_e	
BUG	89.63		P	09:47:50.716	0.2	92.3		4.82		TAS		256.7	1.36	a_e mb	6.3
BUG	89.63		pP	09:48:10.972						T__				m_e	
CLL	86.03		P	09:47:33.166	-0.4	92.3		4.82		TAS		132.8	1.27	a_e mb	5.9
CLL	86.03		pP	09:47:53.219						T__				m_e	
CLZ	87.70		P	09:47:41.666	0.1	92.3		4.82		TAS		407.1	1.39	a_e mb	6.6
CLZ	87.70		pP	09:48:01.982						T__				m_e	
FBE	85.79		P	09:47:32.616	0.2	92.3		4.82		TAS		259.3	1.46	a_e mb	6.1
FBE	85.79		pP	09:47:52.394						T__				m_e	
FLT1	87.18		P	09:47:38.266	-0.8	92.3		4.82		TAS		120.4	1.12	a_e mb	5.9
FLT1	87.18		pP	09:47:58.531						T__				m_e	
FUR	86.99		P	09:47:37.866	-0.3	92.3		4.82		TAS		185.9	1.45	a_e mb	6.0
FUR	86.99		pP	09:47:57.919						T__				m_e	
GEC2	85.42		P	09:47:30.766	0.2	92.3		4.82		TAS		308.9	1.37	a_e mb	6.4
GEC2	85.42		pP	09:47:50.652						T__				m_e	
GRA1	87.08		P	09:47:39.066	0.4	92.3		4.82		TAS		233.0	1.33	a_e mb	6.1
GRA1	87.08		pP	09:47:59.237						T__				m_e	
GRA1	87.08		L	10:34:58.085						T__		282.6	19.40	a_e Ms	4.7
GTTG	87.94		P	09:47:42.766	0.0	92.3		4.82		TAS		357.5	1.29	a_e mb	6.5
GTTG	87.94		pP	09:48:03.085						T__				m_e	
GUNZ	86.40		P	09:47:35.516	0.2	92.3		4.82		TAS		184.5	1.59	a_e mb	6.0
GUNZ	86.40		pP	09:47:55.642						T__				m_e	
IBBN	89.32		P	09:47:49.316	-0.2	92.3		4.82		TAS		396.5	1.38	a_e mb	6.5
IBBN	89.32		pP	09:48:09.532						T__				m_e	
MANZ	86.52		P	09:47:36.416	0.5	92.3		4.82		TAS		47.8	1.19	a_e mb	5.5

MANZ	86.52	pP	09:47:56.488							T__							m_e
MOX	86.87	P	09:47:37.766	0.2	92.3		4.82			TAS	195.5	1.46	a_e	mb			6.0
MOX	86.87	pP	09:47:57.554							T__							m_e
MOX	86.87	L	10:40:24.127							T__	265.4	19.80	a_e	Ms			4.6
NEUB	86.80	P	09:47:37.066	-0.2	92.3		4.82			TAS	273.6	1.19	a_e	mb			6.3
NEUB	86.80	pP	09:47:57.394							T__							m_e
NRDL	87.88	P	09:47:42.766	0.3	92.3		4.82			TAS	494.9	1.38	a_e	mb			6.7
NRDL	87.88	pP	09:48:02.856							T__							m_e
RGN	86.07	P	09:47:33.616	-0.1	92.3		4.82			TAS	441.3	1.22	a_e	mb			6.5
RJOB	85.95	P	09:47:32.566	-0.6	92.3		4.82			TAS	74.6	1.20	a_e	mb			5.7
RJOB	85.95	pP	09:47:52.857							T__							m_e
ROTZ	86.45	P	09:47:35.916	0.4	92.3		4.82			TAS	28.3	1.10	a_e	mb			5.3
ROTZ	86.45	pP	09:47:55.890							T__							m_e
RUE	85.64	P	09:47:31.466	-0.2	92.3		4.82			TAS	605.9	1.36	a_e	mb			6.6
RUE	85.64	pP	09:47:51.778							T__							m_e
STU	88.39	P	09:47:44.866	-0.0	92.3		4.82			TAS	903.4	2.00	a_e	mb			6.8
STU	88.39	pP	09:48:04.718							T__							m_e
TANN	86.32	P	09:47:35.016	0.1	92.3		4.82			TAS	162.6	1.69	a_e	mb			5.9
TANN	86.32	pP	09:47:54.816							T__							m_e
TNS	88.89	P	09:47:47.516	0.2	92.3		4.82			TAS	289.3	1.21	a_e	mb			6.4
TNS	88.89	pP	09:48:07.692							T__							m_e
UBBA	87.90	P	09:47:42.666	0.1	92.3		4.82			TAS	157.5	1.42	a_e	mb			6.1
UBBA	87.90	pP	09:48:02.573							T__							m_e
UBR	87.76	P	09:47:41.666	-0.2	92.3		4.82			TAS	91.4	1.30	a_e	mb			5.9
WERD	86.42	P	09:47:35.416	-0.0	92.3		4.82			TAS	96.8	1.16	a_e	mb			5.8
WERD	86.42	pP	09:47:55.410							T__							m_e
WERN	86.37	P	09:47:35.316	0.1	92.3		4.82			TAS	78.2	1.16	a_e	mb			5.7
WERN	86.37	pP	09:47:55.570							T__							m_e
WET	85.98	P	09:47:33.366	0.1	92.3		4.82			TAS	171.9	1.33	a_e	mb			6.0
WET	85.98	pP	09:47:53.442							T__							m_e
WLF	90.38	P	09:47:54.666		92.3		4.82			TAS	234.2	1.33	m_e	mb			6.2
WLF	90.38	pP	09:48:14.687							T__							m_e

Event 51108005 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	10:42:01.10			5.9290	94.4650				32.2	0.8		21		79.45	84.43	m i ke	BGR
OrigID 51108011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51108011
Ms	5.2		BGR	51108011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.04		P	10:54:22.945		91.3		5.31		TAS		21.9	0.97	m_e	mb 5.4
BFO	83.04		pP	10:54:32.022						T__				m_e	

BRG	79.45	P	10:54:03.937	-0.3	91.3	5.31	TAS	19.8	1.34	m_e	mb	5.0
BSEG	81.79	P	10:54:16.644		91.3	5.31	TAS	48.6	1.02	m_e	mb	5.6
BSEG	81.79	pP	10:54:26.208				T__			m_e		
BUG	83.66	P	10:54:26.293		91.3	5.31	TAS	21.8	1.10	m_e	mb	5.3
CLZ	81.72	P	10:54:16.246	0.3	91.3	5.31	TAS	29.4	1.14	m_e	mb	5.3
FBE	79.82	P	10:54:06.319	0.1	91.3	5.31	TAS	30.8	1.17	m_e	mb	5.1
GEC2	79.48	P	10:54:04.602	0.1	91.3	5.31	TAS	40.4	1.43	m_e	mb	5.3
GRA1	81.14	P	10:54:13.645	-0.4	91.3	5.31	TAS	62.8	1.66	m_e	mb	5.4
GRA1	81.14	L	11:37:50.099				T__	1110.8	20.30	a_e	Ms	5.2
GTTG	81.97	P	10:54:17.786		91.3	5.31	TAS	84.1	1.87	m_e	mb	5.6
GUNZ	80.44	P	10:54:09.440	0.4	91.3	5.31	TAS	46.4	1.94	m_e	mb	5.1
IBBN	83.34	P	10:54:24.823		91.3	5.31	TAS	28.2	0.81	m_e	mb	5.5
MANZ	80.57	P	10:54:10.602	0.1	91.3	5.31	TAS	7.0	1.23	m_e	mb	4.6
MOX	80.91	L	11:45:26.110				T__	1137.0	20.20	a_e	Ms	5.2
NEUB	80.83	P	10:54:11.571	-0.2	91.3	5.31	TAS	101.1	2.07	m_e	mb	5.5
NRDL	81.89	P	10:54:17.276		91.3	5.31	TAS	63.5	1.69	m_e	mb	5.5
RJOB	80.04	P	10:54:07.048	0.4	91.3	5.31	TAS	17.1	1.21	m_e	mb	4.8
ROTZ	80.50	P	10:54:10.296	0.0	91.3	5.31	TAS	5.3	1.20	m_e	mb	4.4
RUE	79.65	P	10:54:04.986	-0.3	91.3	5.31	TAS	57.4	1.13	m_e	mb	5.4
STU	82.46	P	10:54:20.325		91.3	5.31	TAS	221.9	2.06	m_e	mb	5.9
UBR	81.85	P	10:54:16.773		91.3	5.31	TAS	13.7	0.79	m_e	mb	5.1
WET	80.04	P	10:54:07.492	-0.1	91.3	5.31	TAS	19.1	1.22	m_e	mb	4.9
WLF	84.43	P	10:54:31.080		91.3	5.31	TAS	72.8	1.76	m_e	mb	5.6

Event 51108006 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	11:33:22.32			52.4200	-173.1800				45.1	1.9		32		73.98	80.24	m i ke	BGR
51108012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	51108012
Ms	5.3		BGR	51108012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.42		P	11:45:11.992	0.2	2.7		5.58		TAS		78.5	1.47	m_e	mb	5.6
ASSE	75.78		P	11:45:03.661	0.3	2.7		5.58		TAS		32.2	1.19	a_e	mb	5.3
ASSE	75.78		pP	11:45:16.508						T__				m_e		
BFO	79.62		P	11:45:24.861	-0.2	2.7		5.58		TAS		35.5	1.07	a_e	mb	5.2
BRG	76.91		P	11:45:09.711	0.1	2.7		5.58		TAS		57.8	1.22	a_e	mb	5.6
BRG	76.91		pP	11:45:22.653						T__				m_e		
BSEG	73.98		P	11:44:53.461	-0.1	2.7		5.58		TAS		66.9	1.13	a_e	mb	5.6
BUG	76.51		P	11:45:07.561	-0.0	2.7		5.58		TAS		80.8	1.38	a_e	mb	5.7
CLL	76.52		P	11:45:07.361	0.2	2.7		5.58		TAS		87.8	1.65	a_e	mb	5.6
CLZ	76.07		P	11:45:05.661	-0.1	2.7		5.58		TAS		58.0	1.05	m_e	mb	5.6
CLZ	76.07		pP	11:45:18.541						T__				m_e		

FBE	76.89	P	11:45:10.061	0.0	2.7	5.58	TAS	152.3	1.70	a_e	mb	5.9
FBE	76.89	pP	11:45:22.607				T__			m_e		
FLT1	75.56	P	11:45:01.861	0.1	2.7	5.58	TAS	36.7	1.01	a_e	mb	5.5
FUR	79.72	P	11:45:25.561	-0.1	2.7	5.58	TAS	90.0	1.56	a_e	mb	5.5
FUR	79.72	pP	11:45:38.714				T__			m_e		
GEC2	78.94	P	11:45:21.161	-0.2	2.7	5.58	TAS	118.2	2.14	a_e	mb	5.5
GEC2	78.94	pP	11:45:34.111				T__			m_e		
GRA1	78.20	P	11:45:17.611	0.2	2.7	5.58	TAS	130.8	1.22	a_e	mb	5.9
GRA1	78.20	pP	11:45:31.050				T__			m_e		
GRA1	78.20	L	12:29:48.567				T__	1706.7	18.10	a_e	Ms	5.4
GTTG	76.38	P	11:45:07.261	-0.4	2.7	5.58	TAS	98.9	1.24	a_e	mb	5.8
GUNZ	77.49	P	11:45:13.411	0.1	2.7	5.58	TAS	105.2	1.85	a_e	mb	5.7
GUNZ	77.49	pP	11:45:26.301				T__			m_e		
IBBN	75.64	P	11:45:02.961	0.4	2.7	5.58	TAS	80.2	1.04	a_e	mb	5.8
MANZ	77.87	P	11:45:15.311	0.5	2.7	5.58	TAS	34.6	2.29	a_e	mb	5.1
MANZ	77.87	pP	11:45:28.811				T__			m_e		
MOX	77.23	P	11:45:11.811	-0.1	2.7	5.58	TAS	75.9	1.48	a_e	mb	5.6
MOX	77.23	pP	11:45:24.517				T__			m_e		
MOX	77.23	L	12:24:43.990				T__	1131.5	20.70	a_e	Ms	5.2
NEUB	76.68	P	11:45:08.611	-0.2	2.7	5.58	TAS	87.2	1.08	a_e	mb	5.8
NEUB	76.68	pP	11:45:21.472				T__			m_e		
NRDL	75.42	P	11:45:01.511	0.1	2.7	5.58	TAS	33.3	1.02	a_e	mb	5.3
NRDL	75.42	pP	11:45:14.307				T__			m_e		
RJOB	80.09	P	11:45:27.461		2.7	5.58	TAS	15.5	0.87	a_e	mb	4.9
RJOB	80.09	pP	11:45:40.052				T__			m_e		
ROTZ	78.09	P	11:45:16.711	0.5	2.7	5.58	TAS	20.9	1.76	a_e	mb	5.0
RUE	75.31	P	11:45:00.961	-0.5	2.7	5.58	TAS	69.4	1.07	a_e	mb	5.6
STU	79.17	P	11:45:22.411	-0.1	2.7	5.58	TAS	120.6	1.05	a_e	mb	5.9
STU	79.17	pP	11:45:35.783				T__			m_e		
TANN	77.43	P	11:45:13.061	0.3	2.7	5.58	TAS	68.8	1.66	a_e	mb	5.5
TNS	77.73	P	11:45:14.561	0.2	2.7	5.58	TAS	41.2	0.95	a_e	mb	5.5
UBBA	77.10	P	11:45:11.061	-0.7	2.7	5.58	TAS	54.8	1.49	a_e	mb	5.5
UBR	80.24	P	11:45:28.411		2.7	5.58	TAS	65.6	1.53	a_e	mb	5.3
WERD	77.40	P	11:45:12.579	0.2	2.7	5.58	TAS	72.4	1.72	m_e	mb	5.5
WERN	77.56	P	11:45:13.861	-0.0	2.7	5.58	TAS	64.3	1.18	a_e	mb	5.6
WERN	77.56	pP	11:45:26.912				T__			m_e		
WET	78.68	P	11:45:20.011	-0.1	2.7	5.58	TAS	42.0	1.59	a_e	mb	5.2
WLF	78.29	P	11:45:18.011	-0.1	2.7	5.58	TAS	73.9	1.42	a_e	mb	5.6

Event 51108007 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	11:54:31.07			4.2900	94.3100				19.3	1.3		18		80.60	84.15	m i ke	BGR
51108013																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 51108013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.15		P	12:07:00.804		92.5		5.24		TAS		7.7	0.77	m_e mb	5.0
BRG	80.61		P	12:06:42.484	-0.3	92.5		5.24		TAS		9.4	0.95	m_e mb	4.8
BSEG	83.01		P	12:06:55.216		92.5		5.24		TAS		19.1	0.67	m_e mb	5.5
CLL	81.23		P	12:06:44.929	0.1	92.5		5.24		TAS		5.5	0.79	m_e mb	4.6
CLZ	82.90		P	12:06:54.653		92.5		5.24		TAS		14.0	0.83	m_e mb	5.2
CLZ	82.90		pP	12:07:00.326						T__				m_e	
FBE	80.98		P	12:06:45.218	-0.3	92.5		5.24		TAS			0.89	m_e	
FBE	80.98		pP	12:06:50.434						T__				m_e	
GEC2	80.60		P	12:06:42.807	0.0	92.5		5.24		TAS		30.1	1.12	m_e mb	5.2
GRA1	82.27		P	12:06:52.106	-0.5	92.5		5.24		TAS		19.2	0.95	m_e mb	5.2
GUNZ	81.59		P	12:06:48.211	0.3	92.5		5.24		TAS			0.82	m_e	
MANZ	81.72		P	12:06:48.887	-0.1	92.5		5.24		TAS		16.3	1.38	m_e mb	5.0
MOX	82.07		P	12:06:50.288	0.2	92.5		5.24		TAS		22.2	1.25	m_e mb	5.2
MOX	82.07		pP	12:06:55.959						T__				m_e	
NRDL	83.09		P	12:06:55.909		92.5		5.24		TAS		21.0	1.03	m_e mb	5.3
RJOB	81.13		P	12:06:45.209	0.1	92.5		5.24		TAS		8.5	0.67	m_e mb	4.9
ROTZ	81.64		P	12:06:48.596	0.6	92.5		5.24		TAS		2.5	0.86	m_e mb	4.4
ROTZ	81.64		pP	12:06:54.330						T__				m_e	
TANN	81.51		P	12:06:47.670	0.0	92.5		5.24		TAS		4.3	0.94	m_e mb	4.6
TNS	84.08		P	12:07:01.128		92.5		5.24		TAS		6.0	0.60	m_e mb	5.0
UBR	82.94		P	12:06:55.052		92.5		5.24		TAS		9.0	0.68	m_e mb	5.1
WERD	81.61		P	12:06:48.097	-0.1	92.5		5.24		TAS			0.93	m_e	
WET	81.16		P	12:06:45.776	-1.1	92.5		5.24		TAS		6.9	0.85	m_e mb	4.7
WET	81.16		pP	12:06:51.483						T__				m_e	

Event 51108008 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	13:24:09.32			7.1430	92.5030				28.8	5.6		26		77.28	82.25	m i ke	BGR
OrigID 51108014																	

Magnitude Err Nsta Author OrigID  
mb 4.9 BGR 51108014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.39		P	13:36:11.259	-0.2	92.0		5.48		TAS		3.9	0.73	m_e mb	4.5
ASSE	79.39		pP	13:36:19.683						T__				m_e	
BFO	80.84		P	13:36:19.683		92.0		5.48		TAS		9.4	0.70	m_e mb	4.9
BRG	77.28		P	13:36:00.891	-0.2	92.0		5.48		TAS		9.2	0.89	m_e mb	4.9
BRG	77.28		pP	13:36:09.037						T__				m_e	
BSEG	79.67		P	13:36:13.533	-0.5	92.0		5.48		TAS		12.7	0.69	m_e mb	5.0
BSEG	79.67		pP	13:36:21.321						T__				m_e	
BUG	81.49		P	13:36:22.512		92.0		5.48		TAS		11.5	0.65	m_e mb	5.1

BUG	81.49	pP	13:36:30.986							T__						m_e	
CLL	77.90	P	13:36:04.136	0.1	92.0		5.48			TAS	9.6	0.96	m_e	mb		4.9	
CLL	77.90	pP	13:36:11.851							T__						m_e	
CLZ	79.56	P	13:36:13.196	-0.2	92.0		5.48			TAS	11.4	0.69	m_e	mb		4.9	
CLZ	79.56	pP	13:36:21.202							T__						m_e	
FBE	77.65	P	13:36:03.262	0.1	92.0		5.48			TAS	20.9	0.92	m_e	mb		5.3	
FBE	77.65	pP	13:36:11.242							T__						m_e	
FLT1	79.05	P	13:36:09.735	-0.7	92.0		5.48			TAS	6.3	0.70	m_e	mb		4.8	
FLT1	79.05	pP	13:36:17.331							T__						m_e	
GEC2	77.29	P	13:36:01.343	0.1	92.0		5.48			TAS	17.9	0.84	m_e	mb		5.2	
GEC2	77.29	pP	13:36:09.409							T__						m_e	
GRA1	78.95	P	13:36:10.540	-0.5	92.0		5.48			TAS	8.6	0.71	m_e	mb		4.9	
GRA1	78.95	pP	13:36:18.868							T__						m_e	
GTTG	79.81	P	13:36:14.739	6.8	92.0		5.48			TAS						m_e	
GUNZ	78.27	P	13:36:04.969	0.3	92.0		5.48			TAS	3.8	0.74	m_e	mb		4.6	
GUNZ	78.27	pP	13:36:14.479							T__						m_e	
IBBN	81.18	P	13:36:19.933		92.0		5.48			TAS	21.9	0.63	m_e	mb		5.3	
IBBN	81.18	pP	13:36:29.371							T__						m_e	
MANZ	78.39	P	13:36:07.497	0.2	92.0		5.48			TAS	1.6	0.70	m_e	mb		4.2	
MANZ	78.39	pP	13:36:15.494							T__						m_e	
MOX	78.74	P	13:36:08.814	-1.4	92.0		5.48			TAS	3.8	0.65	m_e	mb		4.6	
MOX	78.74	pP	13:36:16.792							T__						m_e	
NEUB	78.66	P	13:36:08.359	-1.0	92.0		5.48			TAS	11.7	0.73	m_e	mb		5.0	
NEUB	78.66	pP	13:36:16.038							T__						m_e	
ROTZ	78.32	P	13:36:07.013	-0.3	92.0		5.48			TAS	2.1	0.70	m_e	mb		4.4	
ROTZ	78.32	pP	13:36:14.995							T__						m_e	
RUE	77.50	P	13:36:09.441	7.2	92.0		5.48			TAS						m_e	
STU	80.26	P	13:36:17.245		92.0		5.48			TAS	27.6	0.68	m_e	mb		5.3	
TANN	78.19	P	13:36:05.473	-1.6	92.0		5.48			TAS	12.1	1.23	m_e	mb		4.9	
TNS	80.75	P	13:36:19.672		92.0		5.48			TAS	6.9	0.67	m_e	mb		4.8	
UBR	79.64	P	13:36:13.379	-2.5	92.0		5.48			TAS	10.0	0.68	m_e	mb		4.9	
UBR	79.64	pP	13:36:21.745							T__						m_e	
WERD	78.29	pP	13:36:14.452							T__						m_e	
WERN	78.23	P	13:36:04.958	0.2	92.0		5.48			TAS	3.3	0.74	m_e	mb		4.5	
WERN	78.23	pP	13:36:14.940							T__						m_e	
WET	77.85	P	13:36:04.317	-0.6	92.0		5.48			TAS	11.8	0.87	m_e	mb		5.0	
WET	77.85	pP	13:36:12.354							T__						m_e	
WLF	82.25	P	13:36:35.146		92.0		5.48			TAS	10.1	0.97	m_e	mb		4.9	

Event 51108009 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	14:34:05.08			5.7280	94.6380				33.0			22		79.71	84.07	m i ke	BGR
	51108015																

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 51108015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.07		P	14:46:33.891		91.3		5.29		TAS		10.7	1.07	m_e	mb 5.0
ASSE	81.80		P	14:46:20.671	-0.3	91.3		5.29		TAS		15.9	1.29	m_e	mb 5.0
BFO	83.30		P	14:46:28.912		91.3		5.29		TAS		8.6	0.97	m_e	mb 5.0
BRG	79.71		P	14:46:10.096	-0.1	91.3		5.29		TAS		8.6	0.99	m_e	mb 4.6
BSEG	82.06		P	14:46:22.520	0.6	91.3		5.29		TAS		14.9	0.94	m_e	mb 5.1
BUG	83.92		P	14:46:32.480		91.3		5.29		TAS		7.2	0.82	m_e	mb 4.9
CLL	80.33		P	14:46:13.054	0.2	91.3		5.29		TAS		7.0	1.04	m_e	mb 4.5
CLZ	81.98		P	14:46:22.283	-0.0	91.3		5.29		TAS		8.0	0.76	m_e	mb 4.9
FBE	80.08		P	14:46:12.625	0.2	91.3		5.29		TAS		12.4	0.86	m_e	mb 4.9
GEC2	79.75		P	14:46:10.637	0.2	91.3		5.29		TAS		11.7	0.91	m_e	mb 4.8
GRA1	81.40		P	14:46:18.902	0.5	91.3		5.29		TAS		16.1	0.99	m_e	mb 5.0
GTTG	82.23		P	14:46:24.078		91.3		5.29		TAS		13.2	1.07	m_e	mb 5.0
GUNZ	80.71		P	14:46:15.551	0.5	91.3		5.29		TAS		3.9	0.79	m_e	mb 4.5
IBBN	83.60		P	14:46:30.488		91.3		5.29		TAS		12.2	0.68	m_e	mb 5.3
MANZ	80.84		P	14:46:16.741	-0.6	91.3		5.29		TAS		2.6	0.96	m_e	mb 4.2
MOX	81.18		P	14:46:17.013	-0.0	91.3		5.29		TAS		4.2	0.86	m_e	mb 4.5
NRDL	82.16		P	14:46:23.515		91.3		5.29		TAS		15.6	1.09	m_e	mb 5.1
RJOB	80.30		P	14:46:13.039	0.1	91.3		5.29		TAS		9.1	0.85	m_e	mb 4.7
ROTZ	80.77		P	14:46:16.249	-0.3	91.3		5.29		TAS		1.8	0.85	m_e	mb 4.1
RUE	79.91		P	14:46:11.005	-0.2	91.3		5.29		TAS		19.9	0.71	m_e	mb 5.2
TANN	80.63		P	14:46:15.151	0.0	91.3		5.29		TAS		3.4	0.87	m_e	mb 4.4
UBR	82.12		P	14:46:22.968	-0.2	91.3		5.29		TAS		7.8	0.78	m_e	mb 4.9
WERN	80.68		P	14:46:15.583	0.4	91.3		5.29		TAS		3.4	0.84	m_e	mb 4.4
WET	80.30		P	14:46:13.548	-0.3	91.3		5.29		TAS		5.5	0.83	m_e	mb 4.5

Event 51108010 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	15:41:13.73			51.4370	154.1560				33.0			32		71.04	76.56	m i ke	BGR
OrigID 51108016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	51108016
Ms	5.2		BGR	51108016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.62		P	15:52:47.908	-0.1	23.0		5.84		TAS		112.5	1.45	a_e	mb 5.7
ASSE	72.31		P	15:52:34.658	-0.3	23.0		5.84		TAS		83.1	1.59	a_e	mb 5.6
BFO	76.40		P	15:52:57.635		23.0		5.84		TAS		90.9	1.43	m_e	mb 5.7
BRG	72.63		P	15:52:35.908	0.0	23.0		5.84		TAS		47.0	1.41	a_e	mb 5.4
BUG	73.74		P	15:52:42.708	0.1	23.0		5.84		TAS		111.9	1.47	a_e	mb 5.7
CLL	72.48		P	15:52:34.858	0.7	23.0		5.84		TAS		85.4	1.35	a_e	mb 5.7
CLZ	72.64		P	15:52:36.908	0.6	23.0		5.84		TAS		113.7	1.36	a_e	mb 5.8

FBE	72.74	P	15:52:36.858	-0.1	23.0	5.84	TAS	129.7	1.67	a_e	mb	5.8
FLT1	71.98	P	15:52:32.158	0.4	23.0	5.84	TAS	88.4	1.50	a_e	mb	5.7
FUR	75.81	P	15:52:54.715	-0.5	23.0	5.84	TAS	147.6	1.58	m_e	mb	5.9
GEC2	74.54	P	15:52:47.008	0.2	23.0	5.84	TAS	39.5	1.28	a_e	mb	5.3
GRA1	74.42	P	15:52:46.858	-0.3	23.0	5.84	TAS	140.1	1.34	a_e	mb	5.8
GRA1	74.42	L	16:30:16.637				T__	1363.2	20.60	a_e	Ms	5.2
GTTG	73.01	P	15:52:38.858	0.1	23.0	5.84	TAS	72.3	1.41	a_e	mb	5.6
GUNZ	73.51	P	15:52:41.558	0.1	23.0	5.84	TAS	58.9	1.41	a_e	mb	5.4
HLG	71.04	P	15:52:24.858	-0.2	23.0	5.84	TAS	433.5	1.24	a_e	mb	6.4
IBBN	72.82	P	15:52:37.708	0.5	23.0	5.84	TAS	64.9	1.25	a_e	mb	5.6
MANZ	73.92	P	15:52:43.658	0.2	23.0	5.84	TAS	12.3	1.42	a_e	mb	4.7
MOX	73.44	P	15:52:41.008	0.2	23.0	5.84	TAS	64.3	1.41	a_e	mb	5.6
MOX	73.44	L	16:29:26.581				T__	1152.5	20.80	a_e	Ms	5.1
NEUB	72.90	P	15:52:37.608	0.1	23.0	5.84	TAS	77.1	1.36	a_e	mb	5.7
NRDL	72.10	P	15:52:33.458	-0.5	23.0	5.84	TAS	51.3	1.47	a_e	mb	5.4
RJOB	75.80	P	15:52:54.608	-0.1	23.0	5.84	TAS	71.3	1.69	a_e	mb	5.5
ROTZ	74.09	P	15:52:44.858	0.1	23.0	5.84	TAS	25.3	1.62	a_e	mb	5.0
RUE	71.21	P	15:52:28.189	0.4	23.0	5.84	TAS	89.9	1.28	m_e	mb	5.7
STU	75.78	P	15:52:54.058	-0.5	23.0	5.84	TAS	225.9	1.49	m_e	mb	6.1
TANN	73.43	P	15:52:41.008	0.1	23.0	5.84	TAS	65.6	1.63	a_e	mb	5.5
TNS	74.60	P	15:52:47.758	0.4	23.0	5.84	TAS	108.4	1.60	a_e	mb	5.6
UBBA	73.68	P	15:52:42.358	-0.1	23.0	5.84	TAS	70.8	1.45	a_e	mb	5.5
UBR	76.56	P	15:52:58.636		23.0	5.84	TAS	102.3	1.56	m_e	mb	5.7
WERD	73.44	P	15:52:41.008	0.2	23.0	5.84	TAS	63.1	1.39	a_e	mb	5.6
WERN	73.57	P	15:52:41.858	0.2	23.0	5.84	TAS	63.7	1.29	a_e	mb	5.5
WET	74.49	P	15:52:47.158	0.1	23.0	5.84	TAS	101.1	1.39	a_e	mb	5.7
WLF	75.65	P	15:52:54.108	-0.5	23.0	5.84	TAS	224.2	2.14	a_e	mb	5.9

Event 51108011 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/08	16:47:04.07		6.6100	94.3800				33.0				33		78.87	83.86	m i ke	BGR
51108017																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	51108017
Ms	6.0		BGR	51108017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.23		P	16:59:28.066	0.2	91.1		5.29		TAS		746.7	1.78	a_e	mb	6.6
ASSE	80.96		P	16:59:15.516	-0.2	91.1		5.29		TAS		647.5	1.85	a_e	mb	6.3
BFO	82.48		P	16:59:23.366	-0.5	91.1		5.29		TAS		215.6	1.22	a_e	mb	6.1
BRG	78.87		P	16:59:04.716	-0.0	91.1		5.29		TAS		682.5	1.75	a_e	mb	6.4
BSEG	81.20		P	16:59:17.066	0.1	91.1		5.29		TAS		466.8	1.20	m_e	mb	6.4
BUG	83.08		P	16:59:26.866	0.2	91.1		5.29		TAS		482.2	1.45	a_e	mb	6.5
CLL	79.48		P	16:59:07.566	-0.4	91.1		5.29		TAS		356.4	1.49	a_e	mb	6.2

CLZ	81.14	P	16:59:16.816	0.1	91.1	5.29	TAS	522.2	1.58	a_e	mb	6.3
FBE	79.24	P	16:59:06.966	0.2	91.1	5.29	TAS	1035.8	1.88	a_e	mb	6.5
FLT1	80.61	P	16:59:13.166	-0.8	91.1	5.29	TAS	324.7	1.78	a_e	mb	6.1
FUR	80.52	P	16:59:13.166	-0.2	91.1	5.29	TAS	1033.7	1.91	a_e	mb	6.5
GEC2	78.92	P	16:59:05.116	0.1	91.1	5.29	TAS	1413.3	1.98	a_e	mb	6.7
GRA1	80.57	P	16:59:14.216	0.5	91.1	5.29	TAS	724.1	1.53	a_e	mb	6.5
GRA1	80.57	L	18:00:40.871				T__	7630.5	21.90	a_e	Ms	6.0
GTTG	81.39	P	16:59:18.066	-0.0	91.1	5.29	TAS	403.3	1.41	a_e	mb	6.3
GUNZ	79.87	P	16:59:10.116	0.1	91.1	5.29	TAS	272.8	1.34	a_e	mb	6.0
IBBN	82.75	P	16:59:25.216	-0.1	91.1	5.29	TAS	361.9	1.08	a_e	mb	6.5
MANZ	80.00	P	16:59:11.266	0.5	91.1	5.29	TAS	121.9	1.48	a_e	mb	5.6
MOX	80.34	P	16:59:12.566	0.1	91.1	5.29	TAS	420.0	1.63	a_e	mb	6.1
MOX	80.34	L	18:00:27.235				T__	5883.8	20.00	a_e	Ms	5.9
NEUB	80.25	P	16:59:11.766	-0.3	91.1	5.29	TAS	372.9	1.47	a_e	mb	6.1
NRDL	81.31	P	16:59:17.966	0.3	91.1	5.29	TAS	798.1	1.50	a_e	mb	6.5
RGN	79.46	P	16:59:07.816	0.1	91.1	5.29	TAS	996.4	1.62	a_e	mb	6.6
RJOB	79.48	P	16:59:07.566	-0.3	91.1	5.29	TAS	418.1	1.55	m_e	mb	6.2
ROTZ	79.93	P	16:59:10.816	0.5	91.1	5.29	TAS	145.8	1.70	a_e	mb	5.6
RUE	79.06	P	16:59:05.516	-0.2	91.1	5.29	TAS	2038.9	1.94	a_e	mb	6.8
STU	81.90	P	16:59:20.666	-0.1	91.1	5.29	TAS	1495.7	1.90	a_e	mb	6.8
TANN	79.79	P	16:59:09.616	0.0	91.1	5.29	TAS	438.7	1.85	a_e	mb	6.1
TNS	82.36	P	16:59:23.366	0.1	91.1	5.29	TAS	249.7	1.43	a_e	mb	6.1
UBBA	81.37	P	16:59:18.016	0.1	91.1	5.29	TAS	476.1	2.06	a_e	mb	6.2
UBR	81.30	P	16:59:17.266	-0.2	91.1	5.29	TAS	290.2	1.31	a_e	mb	6.1
WERD	79.89	P	16:59:10.116	-0.0	91.1	5.29	TAS	469.6	1.86	a_e	mb	6.1
WERN	79.84	P	16:59:10.066	0.2	91.1	5.29	TAS	271.4	1.64	a_e	mb	5.9
WET	79.48	P	16:59:08.116	0.2	91.1	5.29	TAS	538.5	1.69	a_e	mb	6.3
WLF	83.86	P	16:59:31.366		91.1	5.29	TAS	709.0	1.67	a_e	mb	6.6

Event 51109001 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/09	08:12:46.04		6.6280	95.1720				10.0				28		79.36	84.36	m i ke	BGR
51109007																	

Magnitude Err Nsta Author OrigID  
 mb 5.0 BGR 51109007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.72		P	08:25:15.105		90.3		5.32		TAS		10.9	0.88	a_e	mb	5.1
ASSE	81.43		P	08:25:02.605	0.3	90.3		5.32		TAS		11.4	1.09	a_e	mb	4.8
BFO	83.00		P	08:25:10.505		90.3		5.32		TAS		10.2	0.85	a_e	mb	5.1
BRG	79.36		P	08:24:51.855	-0.1	90.3		5.32		TAS		15.3	0.86	a_e	mb	5.1
BSEG	81.65		P	08:25:04.305	2.4	90.3		5.32		TAS		28.0	0.95	a_e	mb	5.4
BUG	83.56		P	08:25:13.955		90.3		5.32		TAS				a_e		
CLL	79.97		P	08:24:54.705	-0.1	90.3		5.32		TAS		10.2	0.92	a_e	mb	4.7

CLZ	81.62	P	08:25:03.905	-0.7	90.3	5.32	TAS	12.7	0.80	a_e	mb	5.1
FBE	79.73	P	08:24:54.105	0.2	90.3	5.32	TAS	24.3	0.82	a_e	mb	5.2
FUR	81.03	P	08:25:00.255	-0.3	90.3	5.32	TAS	18.4	0.81	a_e	mb	5.2
GEC2	79.43	P	08:24:52.305	-0.1	90.3	5.32	TAS	31.1	0.85	m_e	mb	5.4
GRA1	81.07	P	08:25:01.405	-0.0	90.3	5.32	TAS	14.8	0.73	a_e	mb	5.1
GUNZ	80.37	P	08:24:57.305	-0.2	90.3	5.32	TAS	8.0	0.90	a_e	mb	4.6
IBBN	83.22	P	08:25:12.305		90.3	5.32	TAS	20.9	0.83	a_e	mb	5.4
MANZ	80.50	P	08:24:58.455	-0.1	90.3	5.32	TAS	3.8	0.90	a_e	mb	4.4
MOX	80.83	P	08:24:59.655	0.3	90.3	5.32	TAS	4.8	0.79	a_e	mb	4.6
NRDL	81.78	P	08:25:05.105	-0.1	90.3	5.32	TAS	14.4	0.93	a_e	mb	5.1
RJOB	80.01	P	08:24:55.555	-0.1	90.3	5.32	TAS	18.7	0.79	a_e	mb	5.1
ROTZ	80.43	P	08:24:57.955	0.4	90.3	5.32	TAS	2.4	0.81	a_e	mb	4.2
RUE	79.53	P	08:24:52.705	-0.1	90.3	5.32	TAS	50.1	0.83	a_e	mb	5.5
STU	82.41	P	08:25:10.555	-0.1	90.3	5.32	TAS	36.9	0.88	a_e	mb	5.5
TANN	80.28	P	08:24:56.755	0.1	90.3	5.32	TAS	9.0	1.08	a_e	mb	4.6
TNS	82.86	P	08:25:10.455	-0.1	90.3	5.32	TAS	9.5	0.95	a_e	mb	5.0
UBR	81.82	P	08:25:04.355	-0.8	90.3	5.32	TAS	14.6	0.92	a_e	mb	5.1
WERD	80.38	P	08:24:57.255	0.3	90.3	5.32	TAS	6.7	0.86	a_e	mb	4.6
WERN	80.34	P	08:24:57.205	-0.0	90.3	5.32	TAS	5.3	0.77	a_e	mb	4.5
WET	79.98	P	08:24:55.205	0.2	90.3	5.32	TAS	15.7	0.85	a_e	mb	5.0
WLF	84.36	P	08:25:18.455		90.3	5.32	TAS	10.0	0.85	a_e	mb	5.1

Event 51109005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/09	16:03:54.72			52.5000	-173.5000			55.9		1.8		32		73.89	80.15	m i ke	BGR
OrigID 51109011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	51109011
Ms	6.2		BGR	51109011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.33		P	16:15:43.348	0.3	3.0		5.59		TAS		188.4	1.59	m_e	mb	6.0
ASSE	75.69		P	16:15:33.972	0.2	3.0		5.59		TAS		235.4	1.88	m_e	mb	6.0
BFO	79.54		P	16:15:55.206	-0.2	3.0		5.59		TAS		160.5	1.52	m_e	mb	5.7
BRG	76.81		P	16:15:40.066	0.1	3.0		5.59		TAS		135.3	1.33	m_e	mb	5.9
BRG	76.81		pP	16:15:55.359						T__				m_e		
BSEG	73.89		P	16:15:23.833	-0.2	3.0		5.59		TAS		184.8	1.48	m_e	mb	5.9
BUG	76.43		P	16:15:37.747	-0.1	3.0		5.59		TAS		169.2	1.58	m_e	mb	5.9
CLL	76.42		P	16:15:37.725	0.2	3.0		5.59		TAS		118.9	1.35	m_e	mb	5.8
CLZ	75.98		P	16:15:36.002	-0.4	3.0		5.59		TAS		188.1	1.45	m_e	mb	6.0
FBE	76.79		P	16:15:40.379	0.0	3.0		5.59		TAS		343.9	1.54	m_e	mb	6.2
FLT1	75.47		P	16:15:32.285	-0.0	3.0		5.59		TAS		61.7	0.97	m_e	mb	5.6
FUR	79.63		P	16:15:55.926	-0.2	3.0		5.59		TAS		324.1	1.82	m_e	mb	6.0
GEC2	78.85		P	16:15:51.500	-0.3	3.0		5.59		TAS		89.1	1.36	m_e	mb	5.6

GRA1	78.11	P	16:15:47.983	0.2	3.0	5.59	TAS	280.6	1.45	m_e	mb	6.2
GRA1	78.11	L	16:58:35.883				T__	13339.8	18.70	a_e	Ms	6.3
GTTG	76.29	P	16:15:37.529	-0.4	3.0	5.59	TAS	171.4	1.26	m_e	mb	6.0
GUNZ	77.39	P	16:15:43.877	0.1	3.0	5.59	TAS	138.3	1.41	m_e	mb	5.9
IBBN	75.56	P	16:15:33.315	0.3	3.0	5.59	TAS	281.7	1.47	m_e	mb	6.2
IBBN	75.56	pP	16:15:49.076				T__			m_e		
MANZ	77.78	P	16:15:45.722	0.4	3.0	5.59	TAS	69.4	2.22	m_e	mb	5.4
MOX	77.14	P	16:15:42.212	0.2	3.0	5.59	TAS	214.5	1.73	m_e	mb	6.0
MOX	77.14	L	16:55:17.051				T__	11750.4	20.00	a_e	Ms	6.2
NEUB	76.59	P	16:15:38.966	-0.2	3.0	5.59	TAS	249.2	1.29	m_e	mb	6.2
NRDL	75.34	P	16:15:31.843	0.1	3.0	5.59	TAS	191.6	1.89	m_e	mb	5.8
RJOB	80.00	P	16:15:57.906		3.0	5.59	TAS	44.0	1.06	m_e	mb	5.3
ROTZ	78.00	P	16:15:47.137	0.4	3.0	5.59	TAS	55.1	1.94	m_e	mb	5.4
RUE	75.22	P	16:15:31.347	-0.5	3.0	5.59	TAS			m_e		
STU	79.08	P	16:15:52.660	-0.2	3.0	5.59	TAS	477.0	1.68	m_e	mb	6.3
TANN	77.34	P	16:15:43.467	0.2	3.0	5.59	TAS	207.3	1.69	m_e	mb	6.0
TNS	77.64	P	16:15:44.981	0.2	3.0	5.59	TAS	134.8	1.55	m_e	mb	5.8
UBBA	77.01	P	16:15:41.475	0.1	3.0	5.59	TAS	173.0	1.77	m_e	mb	5.9
UBR	80.15	P	16:15:58.823		3.0	5.59	TAS	176.0	1.46	m_e	mb	5.8
UBR	80.15	pP	16:16:14.622				T__	176.0	1.46	m_e		
WERD	77.31	P	16:15:43.237	0.2	3.0	5.59	TAS	226.7	1.77	m_e	mb	6.0
WERN	77.47	P	16:15:44.221	0.0	3.0	5.59	TAS			m_e		
WERN	77.47	pP	16:16:00.189				T__			m_e		
WET	78.59	P	16:15:50.406	-0.3	3.0	5.59	TAS	135.2	1.78	m_e	mb	5.7
WLF	78.21	P	16:15:48.417	-0.2	3.0	5.59	TAS	180.1	1.62	m_e	mb	5.9

Event 51110001 South of Aleutian Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/09	23:54:09.66			50.3530	-171.7110			46.6		0.6		12		77.66	82.21	m i ke	BGR
51110007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	51110007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	81.70		P	00:06:21.551		1.9		5.42		TAS		3.3	0.81	m_e	mb	4.5
BRG	79.04		P	00:06:07.251		1.9		5.42		TAS		5.0	0.83	m_e	mb	4.6
BRG	79.04		pP	00:06:20.853	0.3					T__				m_e		
CLZ	78.17		P	00:06:03.339	0.3	1.9		5.42		TAS		9.1	0.92	m_e	mb	4.9
FBE	79.01		P	00:06:07.931		1.9		5.42		TAS		7.9	0.84	m_e	mb	4.8
FLT1	77.66		P	00:05:59.613	0.4	1.9		5.42		TAS		5.2	0.65	m_e	mb	4.8
FLT1	77.66		pP	00:06:12.874	0.3					T__				m_e		
GEC2	81.07		P	00:06:18.959		1.9		5.42		TAS		2.4	0.82	m_e	mb	4.3
GUNZ	79.60		P	00:06:10.334	0.3	1.9		5.42		TAS				m_e		
MANZ	79.99		pP	00:06:26.759	0.3					T__				m_e		

MOX	79.34	P	00:06:09.048	1.9	5.42	TAS	3.9	0.72	m_e	mb	4.5
RJOB	82.21	P	00:06:24.798	1.9	5.42	TAS	2.9	0.77	m_e	mb	4.5
ROTZ	80.20	P	00:06:13.657	1.9	5.42	TAS	0.7	0.78	m_e	mb	3.6
TNS	79.80	P	00:06:12.538	1.9	5.42	TAS	5.2	0.87	m_e	mb	4.5
UBBA	79.20	pP	00:06:22.683	0.3		T__				m_e	
WERN	79.68	P	00:06:11.556	1.9	5.42	TAS	7.0	0.96	m_e	mb	4.6
WET	80.81	P	00:06:17.555	1.9	5.42	TAS				m_e	

Event 51110002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/10	03:24:39.39			-21.5290	-177.8110				600.0			23		147.06	153.14	m i ke	BGR
51110008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.81		PKPbc	03:43:29.969		17.5		2.37		TAS				m_e	
BFO	152.81		PKPab	03:43:42.243		17.5		2.37		TAS				m_e	
BRG	149.30		PKPbc	03:43:22.266	0.3	17.5		2.37		TAS				m_e	
BRG	149.30		PKPab	03:43:27.525	0.1	17.5		2.37		TAS				m_e	
BSEG	147.06		PKPbc	03:43:15.839	-0.3	17.5		2.37		TAS				m_e	
CLL	149.10		PKPbc	03:43:21.629	0.2	17.5		2.37		TAS				m_e	
CLZ	149.08		PKPbc	03:43:21.785	0.3	17.5		2.37		TAS				m_e	
FBE	149.39		PKPbc	03:43:22.824	0.1	17.5		2.37		TAS				m_e	
FBE	149.39		PKPab	03:43:28.561	-0.0	17.5		2.37		TAS				m_e	
FLT1	148.47		PKPbc	03:43:19.890	-0.0	17.5		2.37		TAS				m_e	
FLT1	148.47		PKPab	03:43:24.228	0.1	17.5		2.37		TAS				m_e	
FUR	152.44		PKPab	03:43:41.229		17.5		2.37		TAS				m_e	
GEC2	151.23		PKPbc	03:43:26.663		17.5		2.37		TAS				m_e	
GTTG	149.43		PKPbc	03:43:22.721	0.2	17.5		2.37		TAS				m_e	
GTTG	149.43		PKPab	03:43:28.676	-0.3	17.5		2.37		TAS				m_e	
GUNZ	150.13		PKPbc	03:43:24.480		17.5		2.37		TAS				m_e	
GUNZ	150.13		PKPab	03:43:32.754		17.5		2.37		TAS				m_e	
IBBN	148.98		PKPab	03:43:26.115	0.2	17.5		2.37		TAS				m_e	
MANZ	150.54		PKPbc	03:43:25.361		17.5		2.37		TAS				m_e	
MOX	150.01		PKPbc	03:43:23.894		17.5		2.37		TAS				m_e	
NRDL	148.49		PKPbc	03:43:20.265	0.1	17.5		2.37		TAS				m_e	
NRDL	148.49		PKPab	03:43:24.487	0.4	17.5		2.37		TAS				m_e	
RJOB	152.49		PKPbc	03:43:29.258		17.5		2.37		TAS				m_e	
RJOB	152.49		PKPab	03:43:41.645		17.5		2.37		TAS				m_e	
ROTZ	150.72		PKPbc	03:43:25.594		17.5		2.37		TAS				m_e	
STU	152.25		PKPbc	03:43:29.281		17.5		2.37		TAS				m_e	
TANN	150.06		PKPbc	03:43:24.182		17.5		2.37		TAS				m_e	
TNS	150.94		PKPbc	03:43:26.339		17.5		2.37		TAS				m_e	
TNS	150.94		PKPab	03:43:34.886		17.5		2.37		TAS				m_e	

UBR	153.14	PKPbc	03:43:30.902	17.5	2.37	TAS	m_e
WERD	150.06	PKPbc	03:43:24.147	17.5	2.37	TAS	m_e
WERN	150.20	PKPbc	03:43:24.336	17.5	2.37	TAS	m_e
WERN	150.20	PKPab	03:43:31.973	17.5	2.37	TAS	m_e
WET	151.16	PKPbc	03:43:26.149	17.5	2.37	TAS	m_e
WET	151.16	PKPab	03:43:35.896	17.5	2.37	TAS	m_e
WLF	151.75	PKPbc	03:43:28.768	17.5	2.37	TAS	m_e

Event 51110007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/10	20:58:42.18			-16.4760	-177.7440				33.0			20		143.81	148.22	m i ke	BGR
OrigID 51110013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	143.81		PKPbc	21:18:10.870	-0.8	15.5		3.17		TAS					m_e
BFO	147.84		PKPbc	21:18:23.442		15.5		3.17		TAS					m_e
BRG	144.43		PKPbc	21:18:12.827	0.2	15.5		3.17		TAS					m_e
CLL	144.20		PKPbc	21:18:11.760	0.6	15.5		3.17		TAS					m_e
FBE	144.50		PKPbc	21:18:13.153	1.3	15.5		3.17		TAS					m_e
FUR	147.54		PKPbc	21:18:23.418		15.5		3.17		TAS					m_e
GEC2	146.39		PKPbc	21:18:19.685		15.5		3.17		TAS					m_e
GUNZ	145.23		PKPbc	21:18:16.215	-0.9	15.5		3.17		TAS					m_e
MANZ	145.64		PKPbc	21:18:17.300		15.5		3.17		TAS					m_e
MOX	145.09		PKPbc	21:18:15.355	0.2	15.5		3.17		TAS					m_e
RJOB	147.64		PKPbc	21:18:23.203		15.5		3.17		TAS					m_e
ROTZ	145.83		PKPbc	21:18:18.154		15.5		3.17		TAS					m_e
TANN	145.16		PKPbc	21:18:15.799	-0.7	15.5		3.17		TAS					m_e
TNS	145.97		PKPbc	21:18:19.524		15.5		3.17		TAS					m_e
UBBA	145.18		PKPbc	21:18:14.831	-0.3	15.5		3.17		TAS					m_e
UBR	148.22		PKPbc	21:18:24.377		15.5		3.17		TAS					m_e
WERD	145.16		PKPbc	21:18:15.828	0.3	15.5		3.17		TAS					m_e
WERN	145.30		PKPbc	21:18:16.594		15.5		3.17		TAS					m_e
WET	146.29		PKPbc	21:18:19.892		15.5		3.17		TAS					m_e
WLF	146.75		PKPbc	21:18:21.155		15.5		3.17		TAS					m_e

Event 51111006 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/11	15:33:28.90			25.1360	121.3780				120.6	2.3		17		81.10	85.98	m i ke	BGR
OrigID 51111012																	

Magnitude Err Nsta Author OrigID  
 mb 4.6 BGR 51111012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.00		P	15:45:50.501		58.9		5.14		TAS		7.7	0.90	m_e	mb 4.9
BFO	85.54		P	15:45:52.579		58.9		5.14		TAS		2.8	0.82	m_e	mb 4.4
BRG	81.10		P	15:45:29.747	0.8	58.9		5.14		TAS		5.0	0.96	m_e	mb 4.5
BUG	84.39		P	15:45:47.220		58.9		5.14		TAS		32.5	1.28	m_e	mb 5.4
CLL	81.40		P	15:45:30.774	0.3	58.9		5.14		TAS		5.4	0.82	m_e	mb 4.6
CLL	81.40		pP	15:46:01.887						T__				m_e	
FBE	81.40		P	15:45:32.722	0.1	58.9		5.14		TAS		7.3	0.82	m_e	mb 4.8
FBE	81.40		pP	15:46:02.924						T__				m_e	
GEC2	82.22		P	15:45:36.441	0.9	58.9		5.14		TAS		5.8	0.89	m_e	mb 4.7
GUNZ	82.24		P	15:45:36.267	0.0	58.9		5.14		TAS		2.9	0.79	m_e	mb 4.5
GUNZ	82.24		pP	15:46:07.112						T__				m_e	
IBBN	83.66		pP	15:46:16.799						T__				m_e	
MANZ	82.56		P	15:45:37.200		58.9		5.14		TAS		0.4	0.74	m_e	mb 3.8
MOX	82.49		P	15:45:37.996	-0.6	58.9		5.14		TAS		1.9	0.80	m_e	mb 4.3
NRDL	82.34		P	15:45:37.086	0.2	58.9		5.14		TAS		3.2	0.78	m_e	mb 4.5
RJOB	83.30		P	15:45:42.555		58.9		5.14		TAS		8.0	0.87	m_e	mb 5.0
ROTZ	82.61		P	15:45:38.499		58.9		5.14		TAS		0.8	0.86	m_e	mb 4.0
UBR	84.88		P	15:45:49.633		58.9		5.14		TAS		6.4	0.76	m_e	mb 4.9
WERN	82.26		P	15:45:36.584	-0.1	58.9		5.14		TAS		4.0	0.85	m_e	mb 4.6
WET	82.55		P	15:45:36.778		58.9		5.14		TAS		2.3	0.92	m_e	mb 4.4
WLF	85.98		P	15:45:55.367		58.9		5.14		TAS		16.9	0.83	m_e	mb 5.2

Event 51111008 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/11	18:19:07.13		49.5000	145.5000					391.3	9.8		24		70.24	75.78	m i ke	BGR
OrigID 51111014																	

Magnitude Err Nsta Author OrigID  
 mb 4.7 BGR 51111014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.18		P	18:30:01.685		28.9		5.80		TAS		9.0	0.97	m_e	mb 4.8
ASSE	71.72		pP	18:31:15.279						T__				m_e	
BFO	75.78		P	18:30:09.886		28.9		5.80		TAS		3.2	0.85	m_e	mb 4.5
BRG	71.78		P	18:29:46.345	0.1	28.9		5.80		TAS		4.0	0.98	m_e	mb 4.5
BSEG	70.24		P	18:29:38.887	-0.5	28.9		5.80		TAS		4.8	0.77	m_e	mb 4.7
CLL	71.71		P	18:29:46.785	0.0	28.9		5.80		TAS		11.6	0.79	m_e	mb 5.1
CLZ	72.06		P	18:29:49.735	0.6	28.9		5.80		TAS		5.8	0.72	m_e	mb 4.8
FBE	71.93		P	18:29:49.220	0.2	28.9		5.80		TAS		7.4	0.70	m_e	mb 4.9
FBE	71.93		pP	18:31:17.565						T__				m_e	

FLT1	71.37	P	18:29:44.759	0.7	28.9	5.80	TAS	6.9	0.71	m_e	mb	4.9
FUR	75.00	P	18:30:06.879		28.9	5.80	TAS	35.3	1.28	m_e	mb	5.2
GEC2	73.61	P	18:29:58.334		28.9	5.80	TAS	2.7	0.72	m_e	mb	4.4
GEC2	73.61	pP	18:31:25.252				T__			m_e		
GRA1	73.68	P	18:29:58.681		28.9	5.80	TAS	73.6	1.51	m_e	mb	5.5
GTTG	72.44	P	18:29:51.450	0.1	28.9	5.80	TAS	11.3	1.10	m_e	mb	4.9
GUNZ	72.74	P	18:29:53.828	-0.0	28.9	5.80	TAS	2.6	0.69	m_e	mb	4.5
GUNZ	72.74	pP	18:31:19.221				T__			m_e		
MANZ	73.14	P	18:29:55.656	0.4	28.9	5.80	TAS	0.7	0.89	m_e	mb	3.8
MANZ	73.14	pP	18:31:21.709				T__			m_e		
MOX	72.73	P	18:29:53.306	-0.4	28.9	5.80	TAS	2.5	0.78	m_e	mb	4.4
NEUB	72.20	P	18:29:50.470	0.0	28.9	5.80	TAS	18.0	1.09	m_e	mb	5.1
RJOB	74.87	P	18:30:06.019		28.9	5.80	TAS	4.0	0.84	m_e	mb	4.5
ROTZ	73.30	P	18:29:56.728	-0.9	28.9	5.80	TAS	1.3	0.98	m_e	mb	4.0
ROTZ	73.30	pP	18:31:22.013				T__			m_e		
TNS	74.06	P	18:30:00.853		28.9	5.80	TAS	4.0	0.65	m_e	mb	4.6
UBBA	73.07	P	18:29:54.620	0.3	28.9	5.80	TAS	2.7	0.69	m_e	mb	4.5
WERD	72.68	P	18:29:52.954	0.1	28.9	5.80	TAS	8.1	0.97	m_e	mb	4.8
WERN	72.80	P	18:29:53.593	0.0	28.9	5.80	TAS	3.9	0.81	m_e	mb	4.6
WET	73.63	P	18:29:58.005		28.9	5.80	TAS	29.0	1.37	m_e	mb	5.1
WET	73.63	pP	18:31:24.782				T__			m_e		

Event 51112004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/12	18:28:45.84			-20.7200	-178.4100				500.0			25		146.18	152.23	m i ke	BGR
OrigID 51112010																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.92		PKPab	18:47:54.681		15.2		4.23		TAS				m_e	
BRG	148.38		PKPbc	18:47:35.164	-0.7	15.2		4.23		TAS				m_e	
BRG	148.38		PKPab	18:47:40.237	-0.4	15.2		4.23		TAS				m_e	
BSEG	146.18		PKPbc	18:47:29.198	-0.1	15.2		4.23		TAS				m_e	
CLL	148.19		PKPbc	18:47:34.414	0.1	15.2		4.23		TAS				m_e	
CLL	148.19		PKPab	18:47:39.221	0.1	15.2		4.23		TAS				m_e	
CLZ	148.19		PKPbc	18:47:34.596		15.2		4.23		TAS				m_e	
FBE	148.47		PKPbc	18:47:35.397	-0.3	15.2		4.23		TAS				m_e	
FBE	148.47		PKPab	18:47:40.889	-0.1	15.2		4.23		TAS				m_e	
FLT1	147.57		PKPbc	18:47:32.732	-0.1	15.2		4.23		TAS				m_e	
FLT1	147.57		PKPab	18:47:36.190	0.2	15.2		4.23		TAS				m_e	
GEC2	150.31		PKPbc	18:47:39.624		15.2		4.23		TAS				m_e	
GEC2	150.31		PKPab	18:47:48.466		15.2		4.23		TAS				m_e	
GRA1	150.09		PKPbc	18:47:39.682		15.2		4.23		TAS				m_e	
GRA1	150.09		PKPab	18:47:47.683		15.2		4.23		TAS				m_e	

GTTG	148.54	PKPbc	18:47:35.858	15.2	4.23	TAS	m_e
GTTG	148.54	PKPab	18:47:40.811	0.1 15.2	4.23	TAS	m_e
GUNZ	149.22	PKPbc	18:47:37.353	15.2	4.23	TAS	m_e
GUNZ	149.22	PKPab	18:47:43.917	15.2	4.23	TAS	m_e
MANZ	149.63	PKPbc	18:47:38.208	15.2	4.23	TAS	m_e
MOX	149.11	PKPbc	18:47:36.666	15.2	4.23	TAS	m_e
MOX	149.11	PKPab	18:47:42.878	15.2	4.23	TAS	m_e
NEUB	148.55	PKPbc	18:47:35.369	0.5 15.2	4.23	TAS	m_e
NRDL	147.60	PKPbc	18:47:32.928	15.2	4.23	TAS	m_e
NRDL	147.60	PKPab	18:47:36.783	-0.3 15.2	4.23	TAS	m_e
RJOB	151.56	PKPab	18:47:54.195	15.2	4.23	TAS	m_e
ROTZ	149.81	PKPbc	18:47:38.592	15.2	4.23	TAS	0.7 0.97 m_e
RUE	146.92	PKPbc	18:47:30.818	15.2	4.23	TAS	m_e
TANN	149.15	PKPbc	18:47:37.031	15.2	4.23	TAS	m_e
TNS	150.06	PKPbc	18:47:39.568	15.2	4.23	TAS	m_e
UBR	152.23	PKPbc	18:47:43.625	15.2	4.23	TAS	m_e
WERD	149.15	PKPbc	18:47:36.776	15.2	4.23	TAS	m_e
WERN	149.28	PKPab	18:47:44.380	15.2	4.23	TAS	m_e
WET	150.24	PKPab	18:47:48.437	15.2	4.23	TAS	m_e
WLF	150.89	PKPab	18:47:50.499	15.2	4.23	TAS	m_e

Event 51113001 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/13	06:04:14.20			-29.8700	-64.4100				10.0			28		101.36	105.80	m i ke	EMSC
OrigID 51113033																	

Magnitude Err Nsta Author  
 Ms 5.5 BGR OrigID 51113007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	104.61		PP	06:22:36.609	-0.1					T__					m_e
BFO	101.36		PP	06:22:12.906	0.1					T__					m_e
BRG	105.80		PP	06:22:44.960						T__					m_e
BSEG	105.33		PP	06:22:40.797						T__					m_e
BUG	102.45		PP	06:22:20.418	-0.1					T__					m_e
CLL	105.48		PP	06:22:42.426						T__					m_e
CLZ	104.31		PP	06:22:34.221	0.3					T__					m_e
FBE	105.49		PP	06:22:42.923						T__					m_e
FLT1	105.02		PP	06:22:38.936						T__					m_e
FUR	102.96		PP	06:22:24.824	-0.6					T__					m_e
GEC2	104.70		PP	06:22:36.936	-0.2					T__					m_e
GRA1	103.70		PP	06:22:30.094	0.1					T__					m_e
GRA1	103.70		L	07:04:26.383						T__	1512.0	19.50	a_e	Ms	5.5
GTTG	103.94		PP	06:22:31.723	0.1					T__					m_e
GUNZ	104.65		PP	06:22:36.842	-0.3					T__					m_e



MANZ	81.68	P	21:03:56.999	0.2	49.2	5.24	TAS	229.7	2.76	a_e	MBB	6.0
MOX	81.50	P	21:03:55.999	0.1	49.2	5.24	TAS	488.2	2.54	m_e	MBB	6.5
MOX	81.50	S	21:14:16.825				T__				m_e	
MOX	81.50	L	21:43:41.333				T__	378418.0	19.50	a_e	Ms	7.8
NEUB	81.06	P	21:03:53.499	-0.0	49.2	5.24	TAS	1760.3	3.04	a_e	MBB	6.7
NRDL	81.00	P	21:03:53.499	0.0	49.2	5.24	TAS	484.6	2.31	a_e	MBB	6.7
RETH	81.18	P	21:03:54.149	-0.1	49.2	5.24	TAS	1840.3	4.35	a_e	MBB	6.2
RJOB	82.78	P	21:04:02.899	0.1	49.2	5.24	TAS	5202.8	4.54	a_e	MBB	6.9
ROTZ	81.77	P	21:03:57.599	0.1	49.2	5.24	TAS	214.3	2.70	a_e	MBB	6.0
RUE	79.29	P	21:03:44.199	-0.1	49.2	5.24	TAS	1625.1	2.76	a_e	MBB	6.8
STU	83.91	P	21:04:08.299	-0.5	49.2	5.24	TAS	337.2	1.10	a_e	MBB	7.2
TANN	81.23	P	21:03:54.499	0.0	49.2	5.24	TAS	1442.3	3.60	a_e	MBB	6.5
TNS	83.29	P	21:04:05.499	-0.3	49.2	5.24	TAS	5076.0	4.29	a_e	MBB	6.9
UBBA	82.16	P	21:03:59.399	0.3	49.2	5.24	TAS	421.9	1.89	a_e	MBB	6.7
UBR	84.19	P	21:04:09.699	0.0	49.2	5.24	TAS	2994.5	3.69	a_e	MBB	6.8
WERD	81.29	P	21:03:54.749	0.4	49.2	5.24	TAS	1607.3	3.67	a_e	MBB	6.4
WERN	81.35	P	21:03:55.299	-0.2	49.2	5.24	TAS	112.1	1.34	a_e	MBB	6.3
WET	81.84	P	21:03:57.849	-0.1	49.2	5.24	TAS	913.4	2.93	a_e	MBB	6.6
WLF	84.75	P	21:04:12.949		49.2	5.24	TAS	2359.8	2.57	a_e	MBB	6.9

Event 51114002 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/14	05:25:15.78			4.4710	-35.8120				33.0					59.99	59.99	m i ke	BGR
OrigID 51114008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51114008
Ms	4.6		BGR	51114008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	59.99		P	05:35:19.943		231.6		6.56		TAS		22.9	1.22	m_e	mb	5.1
GRA1	59.99		L	05:54:28.751						T__		432.7	21.20	a_e	Ms	4.6

Event 51114003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/14	10:21:47.59			39.1450	144.2020				16.1					82.31	82.31	m i ke	BGR
OrigID 51114009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	51114009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.31		P	10:34:07.011		40.5		4.67		TAS		15.5	1.14	m_e	mb 5.0
GRA1	82.31		pP	10:34:11.737		39.0		4.60		TAS				m_e	

Event 51114004 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/14	16:53:41.67			6.5300	94.3500				27.6	0.0		28		78.91	83.91	m i ke	BGR
OrigID 51114010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	51114010
Ms	4.6		BGR	51114010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.27		P	17:06:05.980		91.2		5.31		TAS		61.4	1.55	a_e	mb 5.6
ASSE	81.00		P	17:05:53.380	0.1	91.2		5.31		TAS		33.9	1.32	a_e	mb 5.2
BFO	82.52		P	17:06:01.330	-0.1	91.2		5.31		TAS		31.3	1.30	a_e	mb 5.4
BRG	78.91		P	17:05:42.580	0.0	91.2		5.31		TAS		61.5	1.65	a_e	mb 5.4
BSEG	81.25		P	17:05:54.980	0.3	91.2		5.31		TAS		91.7	1.35	a_e	mb 5.6
BUG	83.12		P	17:06:04.780	0.3	91.2		5.31		TAS		79.6	1.45	a_e	mb 5.7
FBE	79.29		P	17:05:44.830	0.3	91.2		5.31		TAS		142.9	1.84	a_e	mb 5.7
FLT1	80.66		P	17:05:51.030	0.5	91.2		5.31		TAS		25.6	1.29	a_e	mb 5.1
FUR	80.55		P	17:05:51.030	-0.8	91.2		5.31		TAS		71.1	1.44	a_e	mb 5.5
GEC2	78.96		P	17:05:42.980	0.2	91.2		5.31		TAS		60.6	1.34	a_e	mb 5.5
GRA1	80.61		P	17:05:52.080	-0.3	91.2		5.31		TAS		118.0	1.60	a_e	mb 5.7
GRA1	80.61		L	17:47:40.807						T__		312.9	18.70	a_e	Ms 4.7
GTTG	81.43		P	17:05:55.930	-0.0	91.2		5.31		TAS		61.9	1.45	a_e	mb 5.4
GUNZ	79.91		P	17:05:47.980	-0.1	91.2		5.31		TAS		51.8	1.55	a_e	mb 5.2
IBBN	82.80		P	17:06:03.080	0.2	91.2		5.31		TAS		141.1	1.58	a_e	mb 6.0
MANZ	80.05		P	17:05:49.080	-0.3	91.2		5.31		TAS		17.0	1.41	m_e	mb 4.8
MOX	80.38		P	17:05:50.380	-0.2	91.2		5.31		TAS		67.7	1.69	a_e	mb 5.3
MOX	80.38		L	17:47:25.159						T__		254.0	18.70	a_e	Ms 4.6
NEUB	80.30		P	17:05:49.580	0.0	91.2		5.31		TAS		41.0	1.35	a_e	mb 5.2
NRDL	81.35		P	17:05:55.830	-0.3	91.2		5.31		TAS		125.8	1.51	a_e	mb 5.7
RJOB	79.52		P	17:05:45.280	0.0	91.2		5.31		TAS		95.8	2.19	a_e	mb 5.3
ROTZ	79.98		P	17:05:48.630	0.5	91.2		5.31		TAS		15.4	1.53	a_e	mb 4.7
RUE	79.11		P	17:05:43.280	-0.3	91.2		5.31		TAS		151.0	1.48	a_e	mb 5.8
STU	81.94		P	17:05:58.580	-0.4	91.2		5.31		TAS		191.4	1.83	a_e	mb 5.9
TANN	79.83		P	17:05:47.480	0.2	91.2		5.31		TAS		490.9	3.83	a_e	mb 5.8
UBBA	81.41		P	17:05:55.980	-0.0	91.2		5.31		TAS		101.2	2.28	a_e	mb 5.4
UBR	81.34		P	17:05:55.080	0.2	91.2		5.31		TAS		191.0	2.71	a_e	mb 5.6
WERD	79.93		P	17:05:47.930	0.4	91.2		5.31		TAS		53.8	1.64	a_e	mb 5.2
WERD	79.93		pP	17:05:55.911	8.9					T__				m_e	
WERN	79.88		P	17:05:47.880	0.1	91.2		5.31		TAS		30.5	1.67	a_e	mb 5.0
WERN	79.88		pP	17:05:55.852	8.9					T__				m_e	

WLF 83.91 P 17:06:09.380 91.2 5.31 TAS 56.1 1.46 a\_e mb 5.6

Event 51114005 Northwest of Ryukyu Islands, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2015/11/14 19:20:24.46 31.3080 128.7950 21.9 0.8 9 79.18 84.66 m i ke BGR
51114011

Magnitude Err Nsta Author OrigID
mb 5.5 BGR 51114011
Ms 6.2 BGR 51114011

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists seismic station data for various stations including AHRW, ASSE, BFO, BRG, BSEG, BUG, FBE, FLT1, FUR, GEC2, GRA1, GTTG, GUNZ, IBBN, MANZ, MOX, NEUB, NRDL, RJOB, ROTZ, RUE, STU, and TANN.

UBBA	82.06	P	19:32:42.254	0.4	49.1	5.25	TAS	34.5	1.11	a_e	mb	5.4
UBR	84.06	P	19:32:52.604	0.2	49.1	5.25	TAS	60.5	1.37	a_e	mb	5.6
WERD	81.17	P	19:32:37.504	0.1	49.1	5.25	TAS	25.0	1.14	a_e	mb	5.1
WERN	81.24	P	19:32:38.004	-0.3	49.1	5.25	TAS	43.7	1.17	a_e	mb	5.4
WERN	81.24	pP	19:32:44.362		49.9	5.26	TAS				m_e	
WLF	84.66	P	19:32:55.854		49.1	5.25	TAS	155.8	1.05	a_e	mb	6.2

Event 51115001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/15	17:11:34.09			42.9080	145.3490				33.0					79.42	79.42	m i ke	BGR
OrigID 51115007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51115007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.42		P	17:23:35.617		32.8		4.63		TAS		13.5	0.98	m_e	mb 4.9

Event 51116001 North of Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/16	00:39:37.78			18.1200	-81.6100				17.5	2.3		30		74.98	79.99	m i ke	BGR
OrigID 51116007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	51116007
MBB	5.8		BGR	51116007
Ms	5.3		BGR	51116007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.41		P	00:51:20.983	0.3	283.7		5.60		TAS		102.1	1.08	a_e	MBB 6.0
ASSE	77.29		P	00:51:31.483	0.2	283.7		5.60		TAS		60.4	1.21	a_e	mb 5.6
ASSE	77.29		pP	00:51:36.619						T__					m_e
BFO	76.65		P	00:51:27.183	-0.4	283.7		5.60		TAS		23.8	0.99	a_e	mb 5.3
BFO	76.65		pP	00:51:32.358						T__					m_e
BRG	79.58		P	00:51:44.033	-0.1	283.7		5.60		TAS		65.8	1.17	a_e	MBB 5.6
BSEG	76.68		P	00:51:27.783	-0.0	283.7		5.60		TAS		60.2	1.14	a_e	MBB 5.8
BSEG	76.68		pP	00:51:33.375						T__					m_e
BUG	75.36		P	00:51:20.183	-0.3	283.7		5.60		TAS		71.3	1.05	a_e	MBB 5.8
FBE	79.21		P	00:51:42.183	0.2	283.7		5.60		TAS		87.4	1.06	a_e	MBB 5.7
FLT1	77.58		P	00:51:32.383	-0.5	283.7		5.60		TAS		66.5	1.08	a_e	MBB 5.9
FUR	78.61		P	00:51:38.583	0.0	283.7		5.60		TAS		71.1	1.17	a_e	MBB 5.8

GEC2	79.99	P	00:51:46.333	0.0	283.7	5.60	TAS	78.4	1.23	a_e	MBB	5.7
GRA1	78.20	S	01:01:40.880				T__				m_e	
GRA1	78.20	P	00:51:36.383	0.1	283.7	5.60	TAS	51.4	1.09	a_e	MBB	5.7
GRA1	78.20	L	01:20:53.578				T__	2119.3	21.90	a_e	Ms	5.4
GTTG	76.99	P	00:51:29.733	0.1	283.7	5.60	TAS	99.6	1.09	a_e	MBB	6.0
GUNZ	78.72	P	00:51:39.283	-0.0	283.7	5.60	TAS	63.6	1.32	a_e	MBB	5.6
HLG	75.23	P	00:51:19.583	-0.1	283.7	5.60	TAS	313.6	1.19	a_e	mb	6.2
IBBN	75.50	P	00:51:21.133	-0.1	283.7	5.60	TAS	118.1	1.03	a_e	mb	5.9
MANZ	78.68	P	00:51:39.083	0.0	283.7	5.60	TAS	8.1	1.16	a_e	mb	4.6
MOX	78.21	S	01:01:40.765				T__				m_e	
MOX	78.21	P	00:51:36.333	-0.1	283.7	5.60	TAS	67.2	1.32	m_e	MBB	5.8
MOX	78.21	L	01:20:43.789				T__	1384.0	22.00	a_e	Ms	5.2
NEUB	78.17	P	00:51:36.183	-0.0	283.7	5.60	TAS	89.6	1.09	a_e	MBB	5.9
NRDL	76.87	P	00:51:29.133	0.2	283.7	5.60	TAS	73.5	1.10	a_e	MBB	5.8
RGN	78.25	P	00:51:36.783	0.2	283.7	5.60	TAS	90.4	1.03	a_e	MBB	6.1
RGN	78.25	pP	00:51:41.693				T__				m_e	
RJOB	79.70	P	00:51:44.583	-0.1	283.7	5.60	TAS	42.7	1.19	a_e	mb	5.3
ROTZ	78.80	P	00:51:39.933	0.2	283.7	5.60	TAS	13.1	1.22	a_e	MBB	5.1
RUE	79.05	P	00:51:40.833	-0.3	283.7	5.60	TAS	100.3	1.46	a_e	mb	5.6
STU	77.12	P	00:51:30.033	-0.2	283.7	5.60	TAS	78.9	0.93	a_e	mb	5.8
TANN	78.79	P	00:51:39.683	0.0	283.7	5.60	TAS	81.6	1.23	a_e	MBB	5.9
UBBA	77.17	P	00:51:30.683	0.1	283.7	5.60	TAS	39.4	1.37	a_e	mb	5.4
UBBA	77.17	pP	00:51:35.047				T__				m_e	
UBR	77.96	P	00:51:35.183	0.3	283.7	5.60	TAS	68.3	1.49	a_e	mb	5.6
WERD	78.69	P	00:51:38.983	-0.1	283.7	5.60	TAS	65.8	1.27	a_e	MBB	5.6
WERN	78.77	P	00:51:39.733	0.2	283.7	5.60	TAS	84.3	1.31	a_e	MBB	5.7
WLF	74.98	P	00:51:18.483	0.2	283.7	5.60	TAS	101.0	1.13	a_e	MBB	5.9

Event 51116011 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/16	16:49:15.70			48.8900	153.7300				24.4			31		71.69	78.77	m i ke	BGR
51116017																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	51116017
MBB	6.4		BGR	51116017
Ms	5.8		BGR	51116017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.90		P	17:01:07.005	0.0	24.4		5.73		TAS		284.1	1.17	a_e	MBB 6.5
ASSE	74.55		P	17:00:53.605	0.1	24.4		5.73		TAS		247.5	1.56	a_e	MBB 6.3
BFO	78.64		P	17:01:16.455	-0.3	24.4		5.73		TAS		558.4	1.88	a_e	MBB 6.4
BRG	74.82		P	17:00:54.805	-0.3	24.4		5.73		TAS		296.9	1.81	a_e	MBB 6.1
BRG	74.82		pP	17:01:01.795						T__					m_e
BSEG	72.99		P	17:00:44.605	-0.1	24.4		5.73		TAS		347.6	1.74	a_e	MBB 6.4

BUG	76.02	P	17:01:01.705	0.0	24.4	5.73	TAS	585.6	1.83	a_e	MBB	6.5
CLL	74.69	P	17:00:53.805	0.2	24.4	5.73	TAS	237.1	0.96	a_e	MBB	6.4
FBE	74.94	P	17:00:55.755	-0.1	24.4	5.73	TAS	405.2	1.62	a_e	MBB	6.2
FLT1	74.23	P	17:00:51.155	0.1	24.4	5.73	TAS	407.0	1.72	a_e	MBB	6.4
FUR	78.01	P	17:01:13.355	-0.5	24.4	5.73	TAS	343.3	1.11	a_e	MBB	6.6
GEC2	76.71	P	17:01:05.855	0.3	24.4	5.73	TAS	300.7	1.65	a_e	MBB	6.3
GRA1	76.63	P	17:01:05.805	0.4	24.4	5.73	TAS	902.1	1.73	a_e	MBB	6.7
GRA1	76.63	L	17:38:33.487				T__	4857.8	21.20	a_e	Ms	5.8
GTTG	75.27	P	17:00:57.805	-0.2	24.4	5.73	TAS	413.4	1.75	a_e	MBB	6.4
GUNZ	75.72	P	17:01:00.405	0.2	24.4	5.73	TAS	371.3	1.66	a_e	MBB	6.4
IBBN	75.10	P	17:00:56.605	-0.5	24.4	5.73	TAS	702.0	1.91	a_e	MBB	6.5
MANZ	76.13	P	17:01:02.555	0.2	24.4	5.73	TAS	50.5	1.52	a_e	MBB	5.8
MOX	75.66	P	17:00:59.905	0.0	24.4	5.73	TAS	410.3	1.85	m_e	MBB	6.4
MOX	75.66	L	17:37:43.458				T__	4349.5	20.60	a_e	Ms	5.7
NEUB	75.12	P	17:00:56.505	0.0	24.4	5.73	TAS	533.8	1.77	a_e	MBB	6.4
NRDL	74.36	P	17:00:52.405	-0.5	24.4	5.73	TAS	305.9	1.70	a_e	MBB	6.4
RGN	71.69	P	17:00:37.005	-0.1	24.4	5.73	TAS	394.5	0.99	a_e	MBB	6.7
ROTZ	76.30	P	17:01:03.755	0.0	24.4	5.73	TAS	43.1	1.09	a_e	MBB	5.8
RUE	73.42	P	17:00:46.955	0.0	24.4	5.73	TAS	736.9	1.83	a_e	MBB	6.7
STU	78.01	P	17:01:13.055	0.0	24.4	5.73	TAS	1316.4	1.84	a_e	MBB	6.9
TANN	75.64	P	17:00:59.855	0.2	24.4	5.73	TAS	257.0	1.72	a_e	MBB	6.3
TNS	76.86	P	17:01:06.755	0.4	24.4	5.73	TAS	502.7	1.73	a_e	MBB	6.5
UBBA	75.92	P	17:01:01.355	0.1	24.4	5.73	TAS	376.2	1.72	a_e	MBB	6.5
UBR	78.77	P	17:01:17.455		24.4	5.73	TAS	439.1	1.79	a_e	MBB	6.3
WERD	75.65	P	17:00:59.955	0.1	24.4	5.73	TAS	382.9	1.76	a_e	MBB	6.3
WERN	75.78	P	17:01:00.755	0.1	24.4	5.73	TAS	355.8	1.62	a_e	MBB	6.4
WET	76.68	P	17:01:06.055	0.0	24.4	5.73	TAS	610.1	1.76	a_e	MBB	6.6
WLF	77.94	P	17:01:13.055	-0.3	24.4	5.73	TAS	292.0	1.59	a_e	MBB	6.4

Event 51117001 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/17	07:10:07.90	0.79	0.89	38.7030	20.5900	24.5	10.0	43	10.0			22	336	11.29	17.74	m i ke	BGR
51117007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	15.22		Pn	07:13:41.962	1.4					T__					m_e
BALST	12.77		Sn	07:15:24.802	1.5					T__					m_e
BALST	12.77		Pn	07:13:07.444	-0.1					T__					m_e
BFO	13.09		Sn	07:15:31.877	1.0					T__					m_e
BFO	13.09		Pn	07:13:11.348	-0.5					T__					m_e
BRG	13.04		Pn	07:13:11.483	0.3					T__					m_e
BSEG	16.78		Pn	07:14:01.297	-0.3					T__					m_e
CLL	13.69		Pn	07:13:20.219	0.3					T__					m_e

FBE	13.24	Pn	07:13:14.150	0.3	T__	m_e
FUR	11.62	Sn	07:14:54.878	-1.1	T__	m_e
FUR	11.62	Pn	07:12:52.487	0.5	T__	m_e
GEC2	11.29	Sn	07:14:49.456	1.4	T__	m_e
GEC2	11.29	Pn	07:12:47.250	-0.2	T__	m_e
GRA1	12.87	Pn	07:13:07.950	-0.8	T__	m_e
GUNZ	13.05	Pn	07:13:10.516	-0.8	T__	m_e
HLG	17.74	Pn	07:14:13.943	-0.7	T__	m_e
MOX	13.53	Pn	07:13:16.898	-0.8	T__	m_e
NRDL	15.60	Pn	07:13:47.338	1.7	T__	m_e
PLN	13.21	Pn	07:13:13.233	-0.2	T__	m_e
SLE	12.63	Sn	07:15:19.835	-0.1	T__	m_e
SLE	12.63	Pn	07:13:05.265	-0.3	T__	m_e
STU	12.99	Pn	07:13:10.866	0.4	T__	m_e
TNS	14.39	Sn	07:16:01.798	0.0	T__	m_e
TNS	14.39	Pn	07:13:29.039	-0.3	T__	m_e
UBBA	14.24	Pn	07:13:26.388	-0.9	T__	m_e
UBR	11.78	Sn	07:14:57.190	-2.6	T__	m_e
UBR	11.78	Pn	07:12:54.695	0.6	T__	m_e
WERD	13.13	Pn	07:13:13.039	0.7	T__	m_e
WET	11.82	Pn	07:12:54.256	-0.4	T__	m_e

Event 51117002 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/17	08:33:39.70	0.91	0.93	38.4740	20.4960	28.9	12.2	44	10.0				16 338	11.47	16.96	m i k e	BGR
51117008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	15.37		Pn	08:37:15.420	1.0					T__					m_e
BALST	12.89		Sn	08:38:57.319	-0.6					T__					m_e
BALST	12.89		Pn	08:36:41.448	0.6					T__					m_e
BFO	13.22		Sn	08:39:05.674	-0.1					T__					m_e
BFO	13.22		Pn	08:36:45.191	-0.2					T__					m_e
BSEG	16.96		Pn	08:37:35.420	-0.5					T__					m_e
FUR	11.77		Pn	08:36:26.229	0.4					T__					m_e
GEC2	11.47		Sn	08:38:25.078	0.9					T__					m_e
GEC2	11.47		Pn	08:36:20.851	-0.9					T__					m_e
GRA1	13.03		Pn	08:36:42.272	-0.6					T__					m_e
GUNZ	13.23		Pn	08:36:45.313	-0.2					T__					m_e
MOX	13.70		Pn	08:36:50.719	-1.1					T__					m_e
NRDL	15.77		Pn	08:37:21.065	1.2					T__					m_e
SLE	12.76		Sn	08:38:52.672	-2.1					T__					m_e
SLE	12.76		Pn	08:36:39.356	0.2					T__					m_e

STU	13.14	Pn	08:36:44.396	0.2	T__	m_e
TNS	14.54	Pn	08:37:02.958	-0.3	T__	m_e
UBR	11.92	Sn	08:38:36.756	1.9	T__	m_e
UBR	11.92	Pn	08:36:29.299	1.5	T__	m_e
WERN	13.15	Pn	08:36:44.101	-0.3	T__	m_e
WET	11.99	Pn	08:36:27.809	-1.0	T__	m_e

Event 51117008 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/17	17:29:43.91			40.7300	72.5000				22.0	3.9		29		40.96	46.20	m i ke	BGR
OrigID 51117014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	51117014
MBB	6.0		BGR	51117014
Ms	5.6		BGR	51117014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	45.40		P	17:38:01.000		79.3		8.02		TAS		192.8	1.21	m_e	MBB 6.1
AHRW	45.40		pP	17:38:06.961		78.1		8.04		TAS				m_e	
BFO	45.17		P	17:37:58.624		79.3		8.02		TAS		189.2	1.25	m_e	MBB 6.0
BFO	45.17		pP	17:38:04.687		78.1		8.04		TAS				m_e	
BRG	41.06		P	17:37:26.056	-0.0	79.3		8.02		TAS		242.7	1.05	m_e	MBB 6.0
BRG	41.06		pP	17:37:31.997	-0.6	78.1		8.04		TAS				m_e	
BSEG	42.79		P	17:37:39.731	0.8	79.3		8.02		TAS		435.5	0.96	m_e	mb 6.2
BUG	45.07		P	17:37:59.423		79.3		8.02		TAS		382.0	1.19	m_e	MBB 6.3
BUG	45.07		pP	17:38:04.274		78.1		8.04		TAS				m_e	
CLL	41.57		P	17:37:29.786	0.5	79.3		8.02		TAS		281.9	1.14	m_e	MBB 6.0
CLL	41.57		pP	17:37:35.713	-0.0	78.1		8.04		TAS				m_e	
CLZ	43.10		P	17:37:43.515	-0.0	79.3		8.02		TAS		256.1	1.59	m_e	MBB 5.9
CLZ	43.10		pP	17:37:48.485	0.2	78.1		8.04		TAS				m_e	
FBE	41.42		P	17:37:29.232	-0.7	79.3		8.02		TAS		406.4	1.06	m_e	MBB 6.2
FBE	41.42		pP	17:37:35.171	0.1	78.1		8.04		TAS				m_e	
FLT1	42.49		P	17:37:36.999	0.1	79.3		8.02		TAS		392.3	0.89	m_e	MBB 6.2
FLT1	42.49		pP	17:37:42.889	0.2	78.1		8.04		TAS				m_e	
FUR	43.30		P	17:37:44.489	-0.2	79.3		8.02		TAS		308.2	0.99	m_e	MBB 6.2
FUR	43.30		pP	17:37:50.468	0.1	78.1		8.04		TAS				m_e	
GEC2	41.58		P	17:37:30.550	0.2	79.3		8.02		TAS		353.5	1.23	m_e	MBB 6.1
GEC2	41.58		pP	17:37:36.390	-0.1	78.1		8.04		TAS				m_e	
GRA1	42.99		P	17:37:42.428	0.7	79.3		8.02		TAS		352.5	0.97	m_e	mb 6.1
GRA1	42.99		pP	17:37:48.516	-0.1	78.1		8.04		TAS				m_e	
GRA1	42.99		L	17:57:52.199						T__		6619.5	21.90	a_e	Ms 5.5
GTTG	43.40		P	17:37:45.177	-0.4	79.3		8.02		TAS		750.0	1.05	m_e	MBB 6.4
GTTG	43.40		pP	17:37:51.128	-0.5	78.1		8.04		TAS				m_e	
GUNZ	42.16		P	17:37:35.065	-0.3	79.3		8.02		TAS		188.5	1.15	m_e	MBB 5.8



ECH	13.36	Pn	12:18:50.172	0.9	T__	m_e
EMING	12.29	Pn	12:18:34.674	-0.1	T__	m_e
GEC2	11.02	Sn	12:20:16.326	0.8	T__	m_e
GEC2	11.02	Pn	12:18:16.402	-1.2	T__	m_e
METMA	12.47	Sn	12:20:49.040	-1.0	T__	m_e
METMA	12.47	Pn	12:18:36.613	-0.6	T__	m_e
MOX	13.26	Sn	12:21:07.553	-1.1	T__	m_e
MOX	13.26	Pn	12:18:47.705	-0.1	T__	m_e
NORI	12.07	Pn	12:18:29.645	-2.1	T__	m_e
PART	10.93	Sn	12:20:14.241	0.9	T__	m_e
PART	10.93	Pn	12:18:17.477	1.1	T__	m_e
PLONS	11.46	Pn	12:18:25.454	1.9	T__	m_e
SLE	12.38	Sn	12:20:48.211	0.3	T__	m_e
SLE	12.38	Pn	12:18:37.231	1.2	T__	m_e
TNS	14.13	Sn	12:21:28.432	-1.0	T__	m_e
TNS	14.13	Pn	12:18:57.805	-1.9	T__	m_e
WALHA	12.06	Pn	12:18:31.312	-0.3	T__	m_e
WET	11.55	Sn	12:20:29.591	1.5	T__	m_e
WET	11.55	Pn	12:18:23.890	-0.9	T__	m_e
ZUGS	10.93	Sn	12:20:17.314	4.0	T__	m_e
ZUGS	10.93	Pn	12:18:17.669	1.2	T__	m_e

Event 51118012 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/18	18:31:05.00			-8.9600	158.4100				20.0			34		127.97	133.37	m i k e	EMSC
OrigID 51118044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.9		BGR	51118018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	132.24		PKPdf	18:50:19.170	-0.3	45.2		1.95		TAS				a_e	
ASSE	129.56		PKPdf	18:50:13.870	-0.1	45.2		1.95		TAS				a_e	
BFO	133.37		PKPdf	18:50:21.120		45.2		1.95		TAS				a_e	
BRG	128.98		PKPdf	18:50:12.820	-0.2	45.2		1.95		TAS				a_e	
BSEG	128.37		PKPdf	18:50:11.570	0.1	45.2		1.95		TAS				a_e	
BUG	131.47		PKPdf	18:50:17.420	0.1	45.2		1.95		TAS				a_e	
CLL	129.12		PKPdf	18:50:12.770	0.3	45.2		1.95		TAS				a_e	
CLZ	129.89		PKPdf	18:50:14.720	0.0	45.2		1.95		TAS				a_e	
FBE	129.22		PKPdf	18:50:13.470	-0.1	45.2		1.95		TAS				a_e	
FLT1	129.17		PKPdf	18:50:12.870	0.1	45.2		1.95		TAS				a_e	
FUR	132.11		PKPdf	18:50:18.770	-0.0	45.2		1.95		TAS				a_e	
GEC2	130.46		PKPdf	18:50:15.620	-0.1	45.2		1.95		TAS				m_e	
GRA1	131.06		PKPdf	18:50:16.870	-0.4	45.2		1.95		TAS				a_e	
GRA1	131.06		L	19:48:17.494						T__		31475.3	21.90	a_e Ms	7.0

GTTG	130.28	PKPdf	18:50:15.420	-0.0	45.2	1.95	TAS	a_e
GUNZ	130.08	PKPdf	18:50:15.070	0.0	45.2	1.95	TAS	a_e
IBBN	130.61	PKPdf	18:50:15.970	0.0	45.2	1.95	TAS	a_e
MANZ	130.45	PKPdf	18:50:15.720	0.0	45.2	1.95	TAS	a_e
MOX	130.21	PKPdf	18:50:15.170	0.1	45.2	1.95	TAS	a_e
MOX	130.21	L	19:55:22.778				T__	19885.4 19.20 a_e Ms 6.8
NEUB	129.75	PKPdf	18:50:14.170	0.1	45.2	1.95	TAS	a_e
NRDL	129.52	PKPdf	18:50:13.970	-0.0	45.2	1.95	TAS	a_e
PLN	130.08	PKPdf	18:50:14.870	0.2	45.2	1.95	TAS	a_e
RETH	129.64	PKPdf	18:50:14.170	0.1	45.2	1.95	TAS	a_e
RJOB	131.64	PKPdf	18:50:17.570	-0.1	45.2	1.95	TAS	a_e
ROTZ	130.55	PKPdf	18:50:15.820	0.1	45.2	1.95	TAS	a_e
RUE	127.97	PKPdf	18:50:10.770	-0.2	45.2	1.95	TAS	a_e
STU	132.65	PKPdf	18:50:19.870	0.6	45.2	1.95	TAS	a_e
TANN	129.99	PKPdf	18:50:14.770	0.0	45.2	1.95	TAS	a_e
TNS	131.91	PKPdf	18:50:18.620	-0.0	45.2	1.95	TAS	a_e
UBBA	130.80	PKPdf	18:50:16.320	-0.3	45.2	1.95	TAS	a_e
UBR	133.01	PKPdf	18:50:20.320	-0.2	45.2	1.95	TAS	a_e
WERD	130.03	PKPdf	18:50:14.820	0.2	45.2	1.95	TAS	a_e
WERN	130.11	PKPdf	18:50:15.170	0.1	45.2	1.95	TAS	a_e
WET	130.66	PKPdf	18:50:16.120	0.1	45.2	1.95	TAS	a_e
WLF	133.30	PKPdf	18:50:21.820		45.2	1.95	TAS	a_e

Event 51119002 Nepal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/19	04:15:52.32			27.1820	85.3140				13.2	0.1		21		57.86	62.98	m i k e	BGR
51119008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51119008
Ms	4.1		BGR	51119008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	62.24		P	04:26:13.437		82.7		6.91		TAS		36.4	1.28	m_e	mb 5.5
BRG	57.87		P	04:25:43.067	-0.3	82.7		6.91		TAS		16.5	0.87	m_e	mb 5.1
BRG	57.87		pP	04:25:46.771						T__				m_e	
BSEG	59.81		P	04:25:56.720	0.0	82.7		6.91		TAS		31.1	1.06	m_e	mb 5.3
BUG	61.97		P	04:26:11.380		82.7		6.91		TAS		26.3	0.97	m_e	mb 5.4
CLZ	60.00		P	04:25:58.106		82.7		6.91		TAS		26.7	0.82	m_e	mb 5.3
FBE	58.24		P	04:25:46.218	0.1	82.7		6.91		TAS		26.1	0.94	m_e	mb 5.2
FLT1	59.42		P	04:25:53.230	-0.1	82.7		6.91		TAS		21.6	1.35	m_e	mb 5.0
GEC2	58.21		P	04:25:45.751	0.3	82.7		6.91		TAS	15934.9	14.35	m_e	mb 6.8	
GRA1	59.73		L	05:26:05.620						T__		160.6	20.50	a_e	Ms 4.1
GTTG	60.29		P	04:25:59.941		82.7		6.91		TAS		21.0	1.02	m_e	mb 5.1
GUNZ	58.94		P	04:25:50.944	-0.2	82.7		6.91		TAS		18.3	1.22	m_e	mb 5.0

MOX	59.36	P	04:25:53.720	-0.0	82.7	6.91	TAS	11.3	0.94	m_e	mb	4.9
MOX	59.36	L	05:25:53.599				T__	107.3	19.40	a_e	Ms	4.0
NEUB	59.21	P	04:25:52.320	-0.1	82.7	6.91	TAS	28.3	1.09	m_e	mb	5.2
NRDL	60.09	P	04:25:58.908		82.7	6.91	TAS	37.3	0.97	m_e	mb	5.4
PLN	59.04	P	04:25:51.359	0.5	82.7	6.91	TAS	6.6	0.90	m_e	mb	4.7
ROTZ	59.09	P	04:25:52.257	0.1	82.7	6.91	TAS	4.6	0.92	m_e	mb	4.5
RUE	57.86	P	04:25:42.630	-0.4	82.7	6.91	TAS	30.4	0.58	m_e	mb	5.5
STU	61.18	P	04:26:06.205		82.7	6.91	TAS	36.2	0.74	m_e	mb	5.3
TNS	61.43	P	04:26:07.923		82.7	6.91	TAS	14.7	0.77	m_e	mb	4.9
WERD	58.95	P	04:25:50.823	-0.6	82.7	6.91	TAS	11.2	0.85	m_e	mb	4.9
WET	58.72	P	04:25:49.369	-0.0	82.7	6.91	TAS	9.0	0.85	m_e	mb	4.8
WET	58.72	pP	04:25:53.011				T__			m_e		
WLF	62.98	P	04:26:18.780		82.7	6.91	TAS	33.9	1.29	m_e	mb	5.3

Event 51119008 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/19	11:56:18.55			53.0000	157.7400				33.0			24		70.65	75.98	m i ke	BGR
51119014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	51119014
Ms	4.2		BGR	51119014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	71.67		P	12:07:37.385	0.1	20.4		5.89		TAS		19.2	1.03	m_e	mb	5.2
BFO	75.75		P	12:08:00.924		20.4		5.89		TAS		12.7	0.69	m_e	mb	5.2
BUG	73.01		P	12:07:45.238	0.1	20.4		5.89		TAS		33.6	0.99	m_e	mb	5.4
CLL	71.92		P	12:07:38.261	0.1	20.4		5.89		TAS		33.7	0.75	m_e	mb	5.6
CLZ	72.00		P	12:07:39.833	-0.2	20.4		5.89		TAS		38.1	1.00	m_e	mb	5.5
FBE	72.19		P	12:07:40.558	0.2	20.4		5.89		TAS		19.1	0.96	m_e	mb	5.2
FLT1	71.35		P	12:07:34.997	-0.6	20.4		5.89		TAS		21.9	0.85	m_e	mb	5.3
FUR	75.26		P	12:07:58.390		20.4		5.89		TAS		48.5	0.93	m_e	mb	5.5
GEC2	74.04		P	12:07:51.197		20.4		5.89		TAS		21.2	0.59	m_e	mb	5.4
GRA1	73.83		P	12:07:50.472		20.4		5.89		TAS		35.2	0.70	m_e	mb	5.5
GRA1	73.83		L	12:43:09.390						T__		112.9	18.40	a_e	Ms	4.2
GUNZ	72.95		P	12:07:45.032	0.3	20.4		5.89		TAS		18.9	0.90	m_e	mb	5.2
MANZ	73.36		P	12:07:47.224		20.4		5.89		TAS		3.6	1.07	m_e	mb	4.4
MOX	72.85		P	12:07:44.185	0.3	20.4		5.89		TAS		33.5	1.24	m_e	mb	5.3
MOX	72.85		L	12:42:28.787						T__		107.5	18.30	a_e	Ms	4.2
NRDL	71.44		P	12:07:35.995	0.0	20.4		5.89		TAS		29.0	0.93	m_e	mb	5.4
PLN	72.88		P	12:07:44.548	-0.1	20.4		5.89		TAS		14.9	0.80	m_e	mb	5.2
RETH	71.36		P	12:07:35.783	-0.5	20.4		5.89		TAS		27.8	0.92	m_e	mb	5.4
RJOB	75.30		P	12:07:58.960		20.4		5.89		TAS		26.4	0.92	m_e	mb	5.3
ROTZ	73.54		P	12:07:48.578		20.4		5.89		TAS		3.9	0.93	m_e	mb	4.4
RUE	70.65		P	12:07:31.153	0.5	20.4		5.89		TAS		43.6	1.01	m_e	mb	5.5

TNS	73.93	P	12:07:50.833	20.4	5.89	TAS	24.4	0.69	m_e	mb	5.4	
UBR	75.98	P	12:08:02.481	20.4	5.89	TAS	22.4	1.00	m_e	mb	5.2	
WERD	72.88	P	12:07:44.578	-0.5	20.4	5.89	TAS	19.9	1.04	m_e	mb	5.2
WERN	73.01	P	12:07:45.455	-0.3	20.4	5.89	TAS	22.1	0.80	m_e	mb	5.3
WET	73.96	P	12:07:51.227	20.4	5.89	TAS	34.6	0.92	m_e	mb	5.4	

Event 51120001 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/20	04:45:53.00			40.2900	73.5400				30.0					43.90	43.90	m i ke	EMSC
OrigID 51120033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	51120007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	43.90		P	04:53:59.329		77.7		6.93		TAS		13.8	0.95	m_e	mb	4.7

Event 51120002 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/20	05:12:18.71	1.53	0.76	38.3510	21.5110	84.5	20.0	46	10.0				8	349	11.89	14.16	m i ke BGR
OrigID 51120008																	

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
FUR	12.31		Pn	05:15:09.392	-1.0					T__					m_e
GEC2	11.91		Pn	05:15:05.474	0.5					T__					m_e
MOX	14.16		Pn	05:15:35.356	0.2					T__					m_e
NORI	13.02		Pn	05:15:18.558	-1.3					T__					m_e
PART	11.89		Sn	05:17:06.260	0.3					T__					m_e
PART	11.89		Pn	05:15:05.621	0.9					T__					m_e
STU	13.70		Pn	05:15:28.481	-0.5					T__					m_e
WET	12.45		Pn	05:15:12.176	-0.1					T__					m_e
ZUGS	11.90		Sn	05:17:05.762	-0.3					T__					m_e
ZUGS	11.90		Pn	05:15:06.094	1.3					T__					m_e

Event 51120003 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2015/11/20 05:31:54.23 26.0250 142.4470 33.0 93.05 93.05 m i ke BGR  
 51120009

Magnitude Err Nsta Author OrigID  
 mb 5.7 BGR 51120009  
 Ms 6.2 BGR 51120009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.05		P	05:45:03.616		51.1		4.31		TAS		37.9	1.18	m_e	mb 5.7
GRA1	93.05		L	06:30:59.693						T__		7186.8	18.10	a_e	Ms 6.2

Event 51121001 Greece  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2015/11/21 00:41:56.40 38.6700 20.5800 10.0 12.89 12.89 m i ke NOA  
 51121070

Magnitude Err Nsta Author OrigID  
 Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
 GRA1 12.89 Pn 00:44:57.150 T\_\_ m\_e

Event 51121002 Banda Sea  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2015/11/21 09:06:12.10 -7.2100 129.9300 67.0 113.85 113.85 m i ke NEIC  
 51121041

Magnitude Err Nsta Author OrigID  
 Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
 GRA1 113.85 PKiKP 09:24:43.278 72.1 0.79 TAS m\_e

Event 51121004 Tonga Islands region  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2015/11/21 19:45:35.80 -17.9500 -172.9600 10.0 148.16 148.16 m i ke EMSC  
 51121036

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	51121010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.16		PKP	20:05:20.706		7.6		1.93		TAS				m_e	
GRA1	148.16		L	21:16:03.743						T__		180.7	21.20	a_e Ms	4.8

Event 51121005 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
2015/11/21	23:20:29.17			37.4960	141.4960				33.0					82.70	82.70	m i ke	BGR
OrigID																	
51121011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	51121011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.70		P	23:32:48.326		42.0		4.44		TAS		22.3	0.90	m_e mb	5.4

Event 51122002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/22	09:47:17.20			-15.4400	-177.8400				10.0					145.05	145.05	m i ke	NEIC
OrigID																	
51122041																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	51122008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.05		PKP	10:06:52.437		15.4		2.97		TAS				m_e	
GRA1	145.05		L	11:09:37.540						T__		123.4	19.80	a_e Ms	4.7

Event 51122003 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/22	15:34:12.30			-53.6400	140.6200				48.0					148.91	148.91	m i ke	EMSC
OrigID																	
51122035																	

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	148.91		PKP	15:53:54.984		117.0		2.68		TAS					m_e

Event 51122004 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/22	18:16:06.07			36.5600	71.4900				101.9	5.5		39		42.64	48.00	m i ke	BGR
OrigID 51122010																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	51122010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.27		P	18:24:28.944	-0.2	85.0		7.90		TAS		662.9	2.04	a_e mb	6.4
AHRW	47.27		pP	18:24:53.652						T__				m_e	
AHRW	47.27		sP	18:25:04.103						T__				m_e	
ASSE	44.85		P	18:24:09.594	-0.4	85.0		7.90		TAS		404.5	2.06	a_e mb	6.1
BFO	46.82		P	18:24:24.694	-0.4	85.0		7.90		TAS		131.0	1.35	a_e mb	5.9
BRG	42.90		P	18:23:54.294	-0.3	85.0		7.90		TAS		481.3	1.55	a_e mb	6.0
BSEG	44.94		P	18:24:10.794	0.5	85.0		7.90		TAS		553.4	1.45	a_e mb	6.4
BUG	47.02		P	18:24:26.744	-0.5	85.0		7.90		TAS		420.5	1.51	a_e mb	6.3
CLL	43.46		P	18:23:58.344	-0.7	85.0		7.90		TAS		338.8	1.56	a_e mb	5.8
CLZ	45.06		P	18:24:11.494	-0.1	85.0		7.90		TAS		454.0	1.47	a_e mb	6.3
CLZ	45.06		sP	18:24:46.919						T__				m_e	
FBE	43.27		P	18:23:57.444	-0.0	85.0		7.90		TAS		565.3	1.53	a_e mb	6.1
FLT1	44.49		P	18:24:06.244	-0.8	85.0		7.90		TAS		1002.3	1.66	a_e mb	6.5
FUR	44.90		P	18:24:10.394	0.6	85.0		7.90		TAS		762.7	1.59	m_e mb	6.5
GEC2	43.22		P	18:23:56.894	0.2	85.0		7.90		TAS		163.3	1.49	a_e mb	5.5
GEC2	43.22		pP	18:24:21.875						T__				m_e	
GRA1	44.74		P	18:24:09.844	0.9	85.0		7.90		TAS		734.5	1.58	a_e mb	6.4
GRA1	44.74		pP	18:24:34.769						T__				m_e	
GRA1	44.74		sP	18:24:44.903						T__				m_e	
GTTG	45.34		P	18:24:13.744	-0.1	85.0		7.90		TAS		750.5	1.44	a_e mb	6.5
GTTG	45.34		sP	18:24:49.464						T__				m_e	
GUNZ	43.96		P	18:24:02.944	0.0	85.0		7.90		TAS		401.2	1.67	a_e mb	6.1
GUNZ	43.96		sP	18:24:38.235						T__				m_e	
HLG	46.36		P	18:24:21.744	0.5	85.0		7.90		TAS		2091.6	2.10	a_e mb	6.9
IBBN	46.62		P	18:24:23.644	-0.2	85.0		7.90		TAS		794.9	1.51	a_e mb	6.6
KAST	46.34		P	18:24:21.544	-0.3	85.0		7.90		TAS		152.9	1.56	a_e mb	5.9
LNIZ	42.64		P	18:23:51.644	-0.6	85.0		7.90		TAS		1301.5	1.86	a_e mb	6.3
MANZ	44.14		P	18:24:04.694	0.4	85.0		7.90		TAS		76.8	1.49	a_e mb	5.4
MILB	45.96		P	18:24:18.644	-0.1	85.0		7.90		TAS		678.1	1.92	a_e mb	6.4
MOX	44.39		P	18:24:06.344	0.0	85.0		7.90		TAS		291.0	1.42	a_e mb	6.0
NEUB	44.24		P	18:24:04.744	-0.5	85.0		7.90		TAS		588.1	1.52	a_e mb	6.3
NRDL	45.16		P	18:24:12.594	0.2	85.0		7.90		TAS		549.2	1.51	a_e mb	6.4
PLN	44.06		P	18:24:03.644	-0.1	85.0		7.90		TAS		226.8	1.43	a_e mb	5.9

RETH	45.60	P	18:24:15.844	0.1	85.0	7.90	TAS										m_e	
RGN	43.16	P	18:23:56.494	0.5	85.0	7.90	TAS	2750.5	1.68	a_e	mb							6.7
ROTZ	44.10	P	18:24:04.494	0.6	85.0	7.90	TAS	116.2	1.53	a_e	mb							5.6
ROTZ	44.10	sP	18:24:39.843				T__											m_e
RUE	42.92	P	18:23:53.944	-0.8	85.0	7.90	TAS	676.1	1.59	a_e	mb							6.1
SKMB	45.41	P	18:24:14.894	1.2	85.0	7.90	TAS	1009.7	1.41	a_e	mb							6.7
STU	46.18	P	18:24:20.344	0.2	85.0	7.90	TAS	7732.4	3.37	a_e	mb							7.3
TANN	43.87	P	18:24:02.244	0.0	85.0	7.90	TAS	284.6	1.52	a_e	mb							6.0
TANN	43.87	sP	18:24:37.557				T__											m_e
TNS	46.45	P	18:24:22.444	-0.2	85.0	7.90	TAS	220.7	1.54	a_e	mb							6.1
UBBA	45.39	P	18:24:14.044	-0.2	85.0	7.90	TAS	160.7	1.15	a_e	mb							5.9
UBR	45.75	P	18:24:16.544	0.2	85.0	7.90	TAS	728.8	1.99	a_e	mb							6.4
UBR	45.75	pP	18:24:41.110				T__											m_e
UBR	45.75	sP	18:24:50.927				T__											m_e
WERD	43.97	P	18:24:02.894	-0.1	85.0	7.90	TAS	346.0	1.63	a_e	mb							6.0
WERN	43.94	P	18:24:02.944	0.2	85.0	7.90	TAS	309.0	1.72	a_e	mb							6.0
WERN	43.94	sP	18:24:37.738				T__											m_e
WET	43.73	P	18:24:00.944	0.2	85.0	7.90	TAS	194.2	1.67	a_e	mb							5.6
WET	43.73	sP	18:24:35.802				T__											m_e
WLF	48.00	P	18:24:34.644	-0.2	85.0	7.90	TAS	336.7	1.15	a_e	mb							6.3

Event 51122005 Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/22	20:38:35.31			8.0760	-70.8170				10.0					78.74	78.74	m i ke	BGR
51122011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	51122011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.74		P	20:50:38.047		263.5		5.86		TAS		11.7	1.53	m_e	mb	4.7

Event 51122006 Gansu, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/22	21:02:57.86			39.3470	98.6270				16.1					59.80	59.80	m i ke	BGR
51122012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	51122012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	59.80	P	21:13:01.108	66.5	5.97	TAS	33.9	1.14	m_e	mb	5.3
GRA1	59.80	pP	21:13:05.578			T__				m_e	

Event 51123004 Southwestern Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/23	16:58:07.20			29.9100	64.0200				20.0					44.10	44.10	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	51123010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	44.10		P	17:06:12.527		96.4		8.35		TAS		5.0	1.08	m_e	mb	4.2

Event 51123005 Guerrero, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/23	20:41:23.50			17.1400	-98.7300				47.0					89.38	89.38	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51123011
Ms	5.2		BGR	51123011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	89.38		P	20:54:16.330		296.0		4.73		TAS		23.6	1.34	m_e	mb	5.2
GRA1	89.38		pP	20:54:27.368						T__					m_e	
GRA1	89.38		L	21:35:46.473						T__		819.7	19.70	a_e	Ms	5.2

Event 51123006 Oklahoma, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/23	21:17:43.51			36.2510	-99.0280				5.0				24	71.25	75.76	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51123012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	72.81	P	21:29:11.272	-0.1	308.2	5.83	TAS	13.2	1.00	m_e	mb	5.0
BFO	73.89	P	21:29:16.352	0.2	308.2	5.83	TAS	10.9	1.25	m_e	mb	4.7
BRG	75.19	P	21:29:24.993		308.2	5.83	TAS	6.8	0.78	m_e	mb	4.7
BSEG	71.55	P	21:29:04.149	0.1	308.2	5.83	TAS	24.2	0.92	m_e	mb	5.3
CLL	74.46	P	21:29:20.906		308.2	5.83	TAS	6.8	0.91	m_e	mb	4.7
CLZ	72.83	P	21:29:11.739	0.0	308.2	5.83	TAS	10.8	0.70	m_e	mb	5.1
FBE	74.87	P	21:29:24.000		308.2	5.83	TAS	13.7	0.85	m_e	mb	5.0
FLT1	72.96	P	21:29:11.681	-0.1	308.2	5.83	TAS	11.9	0.85	m_e	mb	5.0
GRA1	74.57	P	21:29:22.064		308.2	5.83	TAS	8.9	1.05	m_e	mb	4.7
GTTG	72.81	P	21:29:11.475	-1.3	308.2	5.83	TAS	11.7	1.40	m_e	mb	4.8
GUNZ	74.72	P	21:29:22.520		308.2	5.83	TAS	5.6	0.87	m_e	mb	4.6
IBBN	71.25	P	21:29:01.895	0.3	308.2	5.83	TAS	30.1	1.02	m_e	mb	5.4
LNIZ	73.65	P	21:29:15.593	0.3	308.2	5.83	TAS			m_e		
MILB	73.50	P	21:29:15.060	-0.0	308.2	5.83	TAS			m_e		
MOX	74.18	P	21:29:19.446	0.3	308.2	5.83	TAS			m_e		
NEUB	73.92	P	21:29:17.811	0.6	308.2	5.83	TAS	7.1	0.99	m_e	mb	4.7
NRDL	72.31	P	21:29:08.586	-0.4	308.2	5.83	TAS	13.9	0.83	m_e	mb	5.1
RETH	71.80	P	21:29:05.739	0.1	308.2	5.83	TAS	33.9	1.01	m_e	mb	5.4
RUE	74.09	P	21:29:18.687	0.0	308.2	5.83	TAS	10.5	0.72	m_e	mb	5.0
TANN	74.75	P	21:29:23.008		308.2	5.83	TAS	6.0	0.84	m_e	mb	4.7
UBR	75.23	P	21:29:25.577		308.2	5.83	TAS	11.1	0.78	m_e	mb	5.0
WERN	74.79	P	21:29:23.183		308.2	5.83	TAS	9.4	1.24	m_e	mb	4.7
WET	75.76	P	21:29:28.963		308.2	5.83	TAS	7.8	0.93	m_e	mb	4.8
WLF	71.94	P	21:29:07.419	0.2	308.2	5.83	TAS	20.1	1.18	m_e	mb	5.1

Event 51124003 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/24	02:46:26.26			-23.8000	-173.3200				33.0			34		149.78	155.49	m i ke	BGR
51124009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	51124009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	153.31		PKPdf	03:06:12.626		11.1		1.20		TAS					m_e
AHRW	153.31		PKPbc	03:06:21.586	-0.2	13.1		2.27		TAS					m_e
AHRW	153.31		PKPab	03:06:34.185		12.8		3.96		TAS					m_e
ASSE	151.55		PKPbc	03:06:17.293	-0.1	13.1		2.27		TAS					m_e
BFO	155.49		PKPab	03:06:43.583		12.8		3.96		TAS					m_e
BRG	152.39		PKPdf	03:06:11.413	-0.0	11.1		1.20		TAS					m_e
BRG	152.39		PKPbc	03:06:18.973	-0.2	13.1		2.27		TAS					m_e
BSEG	149.78		PKPbc	03:06:13.560	-0.3	13.1		2.27		TAS					m_e
BUG	152.40		PKPdf	03:06:11.413	-0.0	11.1		1.20		TAS					m_e
BUG	152.40		PKPbc	03:06:19.439	-0.2	13.1		2.27		TAS					m_e
BUG	152.40		PKPab	03:06:30.732	-0.5	12.8		3.96		TAS					m_e

CLL	152.11	PKPdf	03:06:10.853	-0.1	11.1	1.20	TAS				m_e
CLL	152.11	PKPbc	03:06:18.133	0.2	13.1	2.27	TAS				m_e
CLZ	151.86	PKPdf	03:06:10.573	0.1	11.1	1.20	TAS				m_e
CLZ	151.86	PKPbc	03:06:17.946	0.2	13.1	2.27	TAS				m_e
FBE	152.44	PKPdf	03:06:11.600	0.1	11.1	1.20	TAS				m_e
FBE	152.44	PKPbc	03:06:19.159	0.0	13.1	2.27	TAS				m_e
FBE	152.44	PKPab	03:06:30.079	0.3	12.8	3.96	TAS				m_e
FLT1	151.30	PKPbc	03:06:16.266	0.1	13.1	2.27	TAS				m_e
FUR	155.41	PKPab	03:06:41.885		12.8	3.96	TAS				m_e
GEC2	154.40	PKPdf	03:06:13.560		11.1	1.20	TAS				m_e
GEC2	154.40	PKPbc	03:06:23.359		13.1	2.27	TAS				m_e
GEC2	154.40	PKPab	03:06:37.075		12.8	3.96	TAS				m_e
GRA1	153.91	PKPdf	03:06:13.280		11.1	1.20	TAS				m_e
GRA1	153.91	PKPbc	03:06:22.146	0.0	13.1	2.27	TAS				m_e
GRA1	153.91	PKPab	03:06:36.094		12.8	3.96	TAS				m_e
GRA1	153.91	L	04:20:20.735				T__	424.0	20.40	a_e Ms	5.2
GTTG	152.18	PKPdf	03:06:11.040	-0.1	11.1	1.20	TAS				m_e
GTTG	152.18	PKPbc	03:06:18.693	0.0	13.1	2.27	TAS				m_e
GTTG	152.18	PKPab	03:06:29.239	0.4	12.8	3.96	TAS				m_e
GUNZ	153.12	PKPdf	03:06:12.253	-0.2	11.1	1.20	TAS				m_e
GUNZ	153.12	PKPbc	03:06:20.653	-0.1	13.1	2.27	TAS				m_e
GUNZ	153.12	PKPab	03:06:32.879		12.8	3.96	TAS				m_e
IBBN	151.53	PKPdf	03:06:10.573	-0.4	11.1	1.20	TAS				m_e
IBBN	151.53	PKPbc	03:06:17.479	0.0	13.1	2.27	TAS				m_e
KAST	152.61	PKPdf	03:06:11.693	-0.0	11.1	1.20	TAS				m_e
KAST	152.61	PKPbc	03:06:19.906	-0.0	13.1	2.27	TAS				m_e
KAST	152.61	PKPab	03:06:31.199	-0.1	12.8	3.96	TAS				m_e
LNIZ	149.81	PKPbc	03:06:12.813	0.1	13.1	2.27	TAS				m_e
MANZ	153.52	PKPdf	03:06:12.626		11.1	1.20	TAS				m_e
MANZ	153.52	PKPbc	03:06:21.306	0.1	13.1	2.27	TAS				m_e
MANZ	153.52	PKPab	03:06:33.812		12.8	3.96	TAS				m_e
MILB	153.94	PKPdf	03:06:13.186		11.1	1.20	TAS				m_e
MILB	153.94	PKPbc	03:06:22.706	0.4	13.1	2.27	TAS				m_e
MOX	152.93	PKPdf	03:06:11.506	0.0	11.1	1.20	TAS				m_e
MOX	152.93	PKPbc	03:06:19.813	-0.1	13.1	2.27	TAS				m_e
NEUB	152.37	PKPdf	03:06:11.413	0.2	11.1	1.20	TAS				m_e
NEUB	152.37	PKPbc	03:06:18.879	-0.3	13.1	2.27	TAS				m_e
NRDL	151.23	PKPbc	03:06:16.359	-0.1	13.1	2.27	TAS				m_e
PLN	153.02	PKPdf	03:06:11.973	0.1	11.1	1.20	TAS				m_e
PLN	153.02	PKPbc	03:06:20.279	0.1	13.1	2.27	TAS				m_e
PLN	153.02	PKPab	03:06:32.132	1.0	12.8	3.96	TAS				m_e
ROTZ	153.72	PKPdf	03:06:12.906		11.1	1.20	TAS				m_e
ROTZ	153.72	PKPbc	03:06:21.773	0.0	13.1	2.27	TAS				m_e
ROTZ	153.72	PKPab	03:06:35.305		12.8	3.96	TAS				m_e
RUE	150.86	PKPbc	03:06:15.426	0.1	13.1	2.27	TAS				m_e
STU	155.00	PKPbc	03:06:24.946		13.1	2.27	TAS				m_e
STU	155.00	PKPab	03:06:39.622		12.8	3.96	TAS				m_e
TANN	153.05	PKPdf	03:06:12.066	-0.1	11.1	1.20	TAS				m_e
TANN	153.05	PKPbc	03:06:20.466	-0.1	13.1	2.27	TAS				m_e

TANN	153.05	PKPab	03:06:32.319		12.8		3.96	TAS		m_e
TNS	153.59	PKPdf	03:06:13.186		11.1		1.20	TAS		m_e
TNS	153.59	PKPbc	03:06:22.146	-0.1	13.1		2.27	TAS		m_e
TNS	153.59	PKPab	03:06:35.661		12.8		3.96	TAS		m_e
UBBA	152.91	PKPdf	03:06:12.066	0.3	11.1		1.20	TAS		m_e
UBBA	152.91	PKPbc	03:06:20.093	0.1	13.1		2.27	TAS		m_e
UBBA	152.91	PKPab	03:06:31.945	0.2	12.8		3.96	TAS		m_e
WERD	153.04	PKPdf	03:06:11.973	-0.1	11.1		1.20	TAS		m_e
WERD	153.04	PKPbc	03:06:20.186	0.5	13.1		2.27	TAS		m_e
WERD	153.04	PKPab	03:06:32.132		12.8		3.96	TAS		m_e
WERN	153.19	PKPdf	03:06:12.440		11.1		1.20	TAS		m_e
WERN	153.19	PKPbc	03:06:21.119	-0.1	13.1		2.27	TAS		m_e
WERN	153.19	PKPab	03:06:33.439		12.8		3.96	TAS		m_e
WET	154.24	PKPdf	03:06:13.466		11.1		1.20	TAS		m_e
WET	154.24	PKPbc	03:06:22.892	-0.1	13.1		2.27	TAS		m_e
WET	154.24	PKPab	03:06:35.944		12.8		3.96	TAS		m_e
WLF	154.18	PKPbc	03:06:24.292		13.1		2.27	TAS		m_e
WLF	154.18	PKPab	03:06:38.207		12.8		3.96	TAS		m_e

Event 51124005 Mariana Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/24	13:21:36.40			18.8000	145.2800				593.0					100.62	100.62	m i ke	EMSC
	51124037																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	100.62		Pdiff	13:34:21.399		43.8		4.29		TAS				m_e	
GRA1	100.62		PP	13:38:36.914		38.8		6.71		TAS				m_e	

Event 51124006 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/24	20:45:01.82			-0.1000	-18.6140				33.0					55.80	55.80	m i ke	BGR
	51124012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	55.80		P	20:54:37.182		216.6		7.55		TAS		39.5	1.67	m_e mb	5.2

Event 51124001 Peru-Brazil border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/24	22:45:37.74			-10.5600	-70.4200				594.9	7.6		26		89.43	95.22	m i ke	BGR
OrigID 51124007																	

Magnitude	Err	Nsta	Author	OrigID
mb	7.1		BGR	51124007
MBB	7.5		BGR	51124007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.25		SKSac	23:07:12.303	-0.7	255.7		5.69		TAS				m_e	
AHRW	90.25		P	22:57:36.732	-0.1	257.1		4.66		TAS		1051.4	1.16	a_e	MBB 7.4
ASSE	92.84		SKSac	23:07:27.393		255.7		5.69		TAS				m_e	
ASSE	92.84		P	22:57:48.832		257.1		4.66		TAS		2753.7	2.10	a_e	MBB 7.5
BFO	90.43		P	22:57:37.132	-0.1	257.1		4.66		TAS		1455.4	1.99	a_e	MBB 7.3
BRG	94.57		P	22:57:56.682		257.1		4.66		TAS		675.4	1.03	a_e	MBB 7.4
BSEG	93.05		P	22:57:49.432		257.1		4.66		TAS		885.4	1.09	a_e	MBB 7.5
BUG	90.62		P	22:57:38.132	-0.2	257.1		4.66		TAS		1646.4	1.29	a_e	MBB 7.6
CLL	94.07		SKSac	23:07:32.517		255.7		5.69		TAS				m_e	
CLL	94.07		P	22:57:54.382		257.1		4.66		TAS		725.1	1.21	a_e	MBB 7.3
CLZ	92.59		SKSac	23:07:26.254		255.7		5.69		TAS				m_e	
CLZ	92.59		P	22:57:47.632		257.1		4.66		TAS		1320.2	1.16	a_e	MBB 7.6
FLT1	93.22		SKSac	23:07:27.298		255.7		5.69		TAS				m_e	
FLT1	93.22		P	22:57:50.032		257.1		4.66		TAS		1145.5	1.59	a_e	MBB 7.5
FLT1	93.22		pP	22:59:59.547	0.2					T__				m_e	
FUR	92.30		SKSac	23:07:22.363		255.7		5.69		TAS				m_e	
FUR	92.30		P	22:57:46.132		257.1		4.66		TAS		1751.4	1.14	a_e	MBB 7.6
GEC2	94.02		SKSac	23:07:31.378		255.7		5.69		TAS				m_e	
GEC2	94.02		P	22:57:53.882		257.1		4.66		TAS		815.1	1.34	a_e	MBB 7.3
GRA1	92.62		SKSac	23:07:24.356		255.7		5.69		TAS				m_e	
GRA1	92.62		P	22:57:47.732		257.1		4.66		TAS		1146.7	1.35	a_e	MBB 7.5
GRA1	92.62		pP	22:59:56.759	0.2					T__				m_e	
GTTG	92.27		SKSac	23:07:24.356		255.7		5.69		TAS				m_e	
GTTG	92.27		P	22:57:46.132		257.1		4.66		TAS		989.8	1.27	a_e	MBB 7.4
GUNZ	93.46		P	22:57:52.286		257.1		4.66		TAS				m_e	
HLG	91.73		SKSac	23:07:19.611		255.7		5.69		TAS				m_e	
HLG	91.73		P	22:57:43.382	-0.0	257.1		4.66		TAS		1890.3	1.14	a_e	MBB 7.7
IBBN	91.15		SKSac	23:07:16.479	-0.4	255.7		5.69		TAS				m_e	
IBBN	91.15		P	22:57:40.682	0.2	257.1		4.66		TAS		1582.9	1.18	a_e	MBB 7.7
KAST	91.25		SKSac	23:07:15.910	-1.3	255.7		5.69		TAS				m_e	
KAST	91.25		P	22:57:41.032	-0.4	257.1		4.66		TAS		934.6	1.63	a_e	MBB 7.3
LNIZ	95.22		SKSac	23:07:40.204		255.7		5.69		TAS				m_e	
LNIZ	95.22		P	22:57:59.532		257.1		4.66		TAS		1090.6	1.44	a_e	MBB 7.5
MANZ	93.24		SKSac	23:07:29.765		255.7		5.69		TAS				m_e	
MANZ	93.24		P	22:57:50.782		257.1		4.66		TAS		307.6	1.27	a_e	MBB 7.0

MILB	91.43	P	22:57:41.882	-0.1	257.1	4.66	TAS	1035.3	1.00	a_e	MBB	7.5
MILB	91.43	pP	22:59:49.999	0.2			T__			m_e		
MOX	93.08	SKSac	23:07:28.531		255.7	5.69	TAS			m_e		
MOX	93.08	P	22:57:49.832		257.1	4.66	TAS	1564.4	1.74	a_e	MBB	7.5
NEUB	93.29	P	22:57:50.882		257.1	4.66	TAS	975.0	1.18	a_e	MBB	7.6
NRDL	92.59	SKSac	23:07:24.735		255.7	5.69	TAS			m_e		
NRDL	92.59	P	22:57:47.732		257.1	4.66	TAS	1102.0	1.47	a_e	MBB	7.6
PLN	93.38	P	22:57:51.332		257.1	4.66	TAS	1154.5	1.63	a_e	MBB	7.5
RGN	94.91	SKSac	23:07:38.401		255.7	5.69	TAS			m_e		
RGN	94.91	P	22:57:58.332		257.1	4.66	TAS	1485.3	1.26	a_e	MBB	7.6
ROTZ	93.26	SKSac	23:07:27.962		255.7	5.69	TAS			m_e		
ROTZ	93.26	P	22:57:50.732		257.1	4.66	TAS	286.5	1.18	a_e	MBB	6.9
ROTZ	93.26	pP	23:00:00.663	0.2			T__			m_e		
RUE	94.78	SKSac	23:07:36.408		255.7	5.69	TAS			m_e		
RUE	94.78	P	22:57:57.282		257.1	4.66	TAS	1317.5	1.50	a_e	MBB	7.4
RUE	94.78	pP	23:00:05.173	0.2			T__			m_e		
SKMB	92.74	P	22:57:48.382		257.1	4.66	TAS	2022.5	1.21	a_e	MBB	7.8
STU	91.10	SKSac	23:07:15.435	1.0	255.7	5.69	TAS			m_e		
STU	91.10	P	22:57:40.332	0.1	257.1	4.66	TAS	1976.6	1.15	a_e	MBB	7.8
TANN	93.55	SKSac	23:07:31.378		255.7	5.69	TAS			m_e		
TANN	93.55	P	22:57:52.332		257.1	4.66	TAS	1496.5	1.52	a_e	MBB	7.4
TANN	93.55	pP	22:59:59.850	0.2			T__			m_e		
TNS	91.01	SKSac	23:07:15.720	1.4	255.7	5.69	TAS			m_e		
TNS	91.01	P	22:57:40.182	0.1	257.1	4.66	TAS	953.8	1.15	m_e	MBB	7.4
UBBA	92.12	SKSac	23:07:23.027		255.7	5.69	TAS			m_e		
UBBA	92.12	P	22:57:45.332	0.0	257.1	4.66	TAS	1673.4	1.85	a_e	MBB	7.4
UBR	91.42	SKSac	23:07:18.187	0.0	255.7	5.69	TAS			m_e		
UBR	91.42	P	22:57:42.282	0.1	257.1	4.66	TAS	3866.8	1.97	a_e	MBB	7.6
UBR	91.42	pP	22:59:50.321	0.2			T__			m_e		
WET	93.55	SKSac	23:07:29.860		255.7	5.69	TAS			m_e		
WET	93.55	P	22:57:51.932		257.1	4.66	TAS	797.9	1.20	a_e	MBB	7.4
WLF	89.43	SKSac	23:07:06.135	-0.6	255.7	5.69	TAS			m_e		
WLF	89.43	P	22:57:32.882	0.1	257.1	4.66	TAS	2358.5	1.43	a_e	MBB	7.5

Event 51124002 Peru-Brazil border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/24	22:50:54.57			-10.1200	-70.6300				622.1	4.7		20		89.22	94.99	m i ke	BGR
	51124008																

Magnitude	Err	Nsta	Author	OrigID
mb	7.2		BGR	51124008
MBB	7.7		BGR	51124008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.04		SKSac	23:12:23.621	-0.7	257.4		5.99		TAS					m_e

AHRW	90.04	P	23:02:49.181	-0.2	257.6	4.67	TAS	2526.2	1.33	a_e	MBB	7.7
AHRW	90.04	pP	23:05:01.805				T__			m_e		
ASSE	92.62	P	23:03:01.331		257.6	4.67	TAS	1358.5	1.65	a_e	MBB	7.6
ASSE	92.62	pP	23:05:14.343				T__			m_e		
BFO	90.24	P	23:02:49.631	-0.1	257.6	4.67	TAS	763.1	1.32	a_e	MBB	7.5
BFO	90.24	pP	23:05:02.816				T__			m_e		
BRG	94.36	SKSac	23:12:48.166		257.4	5.99	TAS			m_e		
BRG	94.36	P	23:03:09.181		257.6	4.67	TAS	1270.6	1.12	a_e	MBB	7.6
BSEG	92.82	SKSac	23:12:38.717		257.4	5.99	TAS			m_e		
BSEG	92.82	P	23:03:01.731		257.6	4.67	TAS	1213.0	0.99	a_e	MBB	7.8
BSEG	92.82	pP	23:05:15.275				T__			m_e		
BUG	90.40	P	23:02:50.481	0.2	257.6	4.67	TAS	1969.2	1.16	a_e	MBB	7.8
BUG	90.40	pP	23:05:03.722				T__			m_e		
CLL	93.86	SKSac	23:12:44.690		257.4	5.99	TAS			m_e		
CLL	93.86	P	23:03:06.931		257.6	4.67	TAS	936.7	1.15	a_e	MBB	7.6
CLL	93.86	pP	23:05:19.896				T__			m_e		
CLZ	92.37	SKSac	23:12:38.391		257.4	5.99	TAS			m_e		
CLZ	92.37	P	23:03:00.081		257.6	4.67	TAS	2062.3	1.51	a_e	MBB	7.7
FLT1	93.00	SKSac	23:12:40.455		257.4	5.99	TAS			m_e		
FLT1	93.00	P	23:03:02.481		257.6	4.67	TAS	962.3	1.25	a_e	MBB	7.7
FUR	92.11	P	23:02:58.681		257.6	4.67	TAS	2470.4	1.10	a_e	MBB	7.9
GEC2	93.83	P	23:03:06.531		257.6	4.67	TAS	885.4	0.97	a_e	MBB	7.6
GRA1	92.41	SKSac	23:12:38.826		257.4	5.99	TAS			m_e		
GRA1	92.41	P	23:03:00.181		257.6	4.67	TAS	1343.8	1.24	a_e	MBB	7.7
GRA1	92.41	pP	23:05:13.414				T__			m_e		
GTTG	92.06	SKSac	23:12:35.133		257.4	5.99	TAS			m_e		
GTTG	92.06	P	23:02:58.531		257.6	4.67	TAS	1635.1	1.43	a_e	MBB	7.7
GTTG	92.06	pP	23:05:12.179				T__			m_e		
HLG	91.49	SKSac	23:12:30.572		257.4	5.99	TAS			m_e		
HLG	91.49	P	23:02:55.681	-0.0	257.6	4.67	TAS	2236.8	1.07	a_e	MBB	7.9
HLG	91.49	pP	23:05:09.278				T__			m_e		
IBBN	90.92	P	23:02:53.031	0.3	257.6	4.67	TAS	2157.4	1.24	a_e	MBB	7.8
IBBN	90.92	pP	23:05:06.626				T__			m_e		
KAST	91.03	P	23:02:53.481	-0.3	257.6	4.67	TAS	1073.0	1.47	a_e	MBB	7.6
KAST	91.03	pP	23:05:06.699				T__			m_e		
LNIZ	94.99	SKSac	23:12:52.836		257.4	5.99	TAS			m_e		
LNIZ	94.99	P	23:03:11.881		257.6	4.67	TAS	3441.0	2.05	a_e	MBB	7.7
MANZ	93.04	P	23:03:03.281		257.6	4.67	TAS	383.4	1.14	a_e	MBB	7.3
MILB	91.23	P	23:02:54.381	0.1	257.6	4.67	TAS	1717.0	1.16	a_e	MBB	7.7
MOX	92.87	SKSac	23:12:40.781		257.4	5.99	TAS			m_e		
MOX	92.87	P	23:03:02.381		257.6	4.67	TAS	787.1	1.20	a_e	MBB	7.7
NEUB	93.08	SKSac	23:12:41.867		257.4	5.99	TAS			m_e		
NEUB	93.08	P	23:03:03.331		257.6	4.67	TAS	1688.1	1.20	a_e	MBB	7.8
NRDL	92.36	SKSac	23:12:37.088		257.4	5.99	TAS			m_e		
NRDL	92.36	P	23:03:00.231		257.6	4.67	TAS	1320.7	1.37	a_e	MBB	7.7
NRDL	92.36	pP	23:05:12.926				T__			m_e		
PLN	93.17	SKSac	23:12:41.215		257.4	5.99	TAS			m_e		
PLN	93.17	P	23:03:03.831		257.6	4.67	TAS	1332.1	1.40	a_e	MBB	7.8
PLN	93.17	pP	23:05:17.620				T__			m_e		

RETH	91.98	P	23:02:58.381	0.3	257.6	4.67	TAS											m_e
RGN	94.67	SKSac	23:12:50.664		257.4	5.99	TAS											m_e
RGN	94.67	P	23:03:10.581		257.6	4.67	TAS	2194.6	1.17	a_e	MBB	7.9						
ROTZ	93.05	SKSac	23:12:40.781		257.4	5.99	TAS											m_e
ROTZ	93.05	P	23:03:03.281		257.6	4.67	TAS	392.7	1.04	a_e	MBB	7.2						
ROTZ	93.05	pP	23:05:17.075				T__											m_e
RUE	94.56	P	23:03:09.781		257.6	4.67	TAS	758.9	1.08	a_e	MBB	7.7						
SKMB	92.50	P	23:03:00.681		257.6	4.67	TAS	2766.3	1.22	a_e	MBB	8.0						
STU	90.91	P	23:02:52.881	0.2	257.6	4.67	TAS	3188.5	1.07	a_e	MBB	8.1						
TANN	93.35	P	23:03:04.881		257.6	4.67	TAS	1361.2	1.29	a_e	MBB	7.8						
TNS	90.80	SKSac	23:12:27.422	-0.1	257.4	5.99	TAS											m_e
TNS	90.80	P	23:02:52.681	0.1	257.6	4.67	TAS	1345.9	0.99	a_e	MBB	7.8						
UBBA	91.91	P	23:02:57.781	-0.3	257.6	4.67	TAS	1768.2	1.62	a_e	MBB	7.6						
UBR	91.24	SKSac	23:12:29.377		257.4	5.99	TAS											m_e
UBR	91.24	P	23:02:54.881	-0.0	257.6	4.67	TAS	2669.4	1.40	a_e	MBB	7.8						
WET	93.36	SKSac	23:12:41.541		257.4	5.99	TAS											m_e
WET	93.36	P	23:03:04.531		257.6	4.67	TAS	1397.6	1.13	a_e	MBB	7.8						
WET	93.36	pP	23:05:18.484				T__											m_e
WLF	89.22	SKSac	23:12:16.996	-0.9	257.4	5.99	TAS											m_e
WLF	89.22	P	23:02:45.281	0.1	257.6	4.67	TAS	3958.8	1.23	a_e	MBB	7.8						
WLF	89.22	pP	23:04:57.744				T__											m_e

Event 51125006 Northern Molucca Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/25	18:57:43.30			1.4500	126.4000				50.0					104.90	104.90	m i ke	EMSC
OrigID 51125038																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	104.90		Pdiff	19:11:45.015		69.4		4.03		TAS					m_e

Event 51126002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/26	02:49:28.51			-20.6000	-177.3500				550.3	5.8		41		145.98	152.32	m i ke	BGR
OrigID 51126008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.92		PKPdf	03:08:10.938		13.7		1.50		TAS					m_e

AHRW	149.92	PKPbc	03:08:16.464	-0.2	14.8	2.45	TAS	m_e
ASSE	147.92	PKPdf	03:08:07.792	0.2	13.7	1.50	TAS	m_e
ASSE	147.92	PKPbc	03:08:11.338	-0.1	14.8	2.45	TAS	m_e
BFO	151.96	PKPdf	03:08:14.196		13.7	1.50	TAS	m_e
BFO	151.96	PKPbc	03:08:20.867		14.8	2.45	TAS	m_e
BFO	151.96	PKPab	03:08:32.444		13.7	4.21	TAS	m_e
BRG	148.50	PKPdf	03:08:08.803	0.1	13.7	1.50	TAS	m_e
BRG	148.50	PKPbc	03:08:13.143	0.2	14.8	2.45	TAS	m_e
BRG	148.50	PKPab	03:08:18.188	0.4	13.7	4.21	TAS	m_e
BSEG	146.21	PKPbc	03:08:07.007	-0.0	14.8	2.45	TAS	m_e
BUG	149.01	PKPbc	03:08:14.081	0.2	14.8	2.45	TAS	m_e
BUG	149.01	PKPab	03:08:20.134	0.1	13.7	4.21	TAS	m_e
CLL	148.29	PKPbc	03:08:12.385	0.2	14.8	2.45	TAS	m_e
CLL	148.29	PKPab	03:08:17.312	-0.1	13.7	4.21	TAS	m_e
CLL	148.29	pPKPbc	03:10:20.869				T__	m_e
CLZ	148.24	PKPdf	03:08:08.691	-0.2	13.7	1.50	TAS	m_e
CLZ	148.24	PKPbc	03:08:12.710	0.3	14.8	2.45	TAS	m_e
CLZ	148.24	PKPab	03:08:16.623	-0.2	13.7	4.21	TAS	m_e
DPC	148.37	PKPbc	03:08:13.143	0.5	14.8	2.45	TAS	m_e
FBE	148.59	PKPdf	03:08:09.140	0.4	13.7	1.50	TAS	m_e
FBE	148.59	PKPbc	03:08:13.527	-0.2	14.8	2.45	TAS	m_e
FBE	148.59	PKPab	03:08:18.757	0.4	13.7	4.21	TAS	m_e
FLT1	147.63	PKPdf	03:08:07.343	-0.1	13.7	1.50	TAS	m_e
FLT1	147.63	PKPbc	03:08:10.327	-0.2	14.8	2.45	TAS	m_e
FUR	151.63	PKPbc	03:08:20.109		14.8	2.45	TAS	m_e
FUR	151.63	PKPab	03:08:31.389		13.7	4.21	TAS	m_e
GEC2	150.46	PKPbc	03:08:17.610	-0.5	14.8	2.45	TAS	m_e
GEC2	150.46	pPKPbc	03:10:24.003				T__	m_e
GRA1	150.18	PKPdf	03:08:11.387		13.7	1.50	TAS	m_e
GRA1	150.18	PKPbc	03:08:17.438	-0.3	14.8	2.45	TAS	m_e
GRA1	150.18	PKPab	03:08:25.206		13.7	4.21	TAS	m_e
GRA1	150.18	pPKPbc	03:10:25.096				T__	m_e
GTTG	148.59	PKPdf	03:08:09.253	0.3	13.7	1.50	TAS	m_e
GTTG	148.59	PKPbc	03:08:13.251	0.2	14.8	2.45	TAS	m_e
GTTG	148.59	PKPab	03:08:18.606	0.4	13.7	4.21	TAS	m_e
GUNZ	149.33	PKPdf	03:08:10.713		13.7	1.50	TAS	m_e
GUNZ	149.33	PKPbc	03:08:15.273	0.1	14.8	2.45	TAS	m_e
GUNZ	149.33	PKPab	03:08:22.049		13.7	4.21	TAS	m_e
IBBN	148.10	PKPdf	03:08:08.354	0.0	13.7	1.50	TAS	m_e
IBBN	148.10	PKPbc	03:08:11.771	0.1	14.8	2.45	TAS	m_e
IBBN	148.10	PKPab	03:08:16.293	-0.3	13.7	4.21	TAS	m_e
KAST	149.12	PKPdf	03:08:09.927	-0.1	13.7	1.50	TAS	m_e
KAST	149.12	PKPbc	03:08:14.695	0.2	14.8	2.45	TAS	m_e
KAST	149.12	PKPab	03:08:20.368	-0.2	13.7	4.21	TAS	m_e
KAST	149.12	pPKPbc	03:10:21.430				T__	m_e
KSP	147.96	PKPbc	03:08:11.880	-0.5	14.8	2.45	TAS	m_e
LNIZ	145.98	PKPbc	03:08:06.084	-0.1	14.8	2.45	TAS	m_e
MANZ	149.73	PKPdf	03:08:11.050		13.7	1.50	TAS	m_e
MANZ	149.73	PKPbc	03:08:16.067	0.0	14.8	2.45	TAS	m_e



Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	51126010
MBB	7.0		BGR	51126010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	90.03		P	05:57:12.721	-0.1	258.4		4.69		TAS		429.7	1.23	a_e	MBB	7.0
AHRW	90.03		pP	05:59:25.059						T__				m_e		
AHRW	90.03		sP	06:00:22.020						T__				m_e		
AHRW	90.03		sPP	06:03:48.376	-1.1	258.0		7.70		TAS				m_e		
AHRW	90.03		SP	06:08:22.370	-0.3	260.6		10.22		TAS				m_e		
ASSE	92.59		P	05:57:24.871		258.4		4.69		TAS		1128.7	2.27	a_e	MBB	7.0
ASSE	92.59		pP	05:59:36.202						T__				m_e		
ASSE	92.59		sPP	06:04:07.773	-0.6	258.0		7.70		TAS				m_e		
ASSE	92.59		SP	06:08:49.580	-1.0	260.6		10.22		TAS				m_e		
BFO	90.28		P	05:57:13.321	-0.3	258.4		4.69		TAS		1097.6	2.43	a_e	MBB	6.9
BFO	90.28		pP	05:59:25.941						T__				m_e		
BFO	90.28		sP	06:00:23.177						T__				m_e		
BFO	90.28		sPP	06:03:49.993	1.0	258.0		7.70		TAS				m_e		
BFO	90.28		SP	06:08:26.080	-0.0	260.6		10.22		TAS				m_e		
BRG	94.37		P	05:57:32.821		258.4		4.69		TAS		262.5	1.30	a_e	MBB	6.9
BRG	94.37		sP	06:00:44.359						T__				m_e		
BRG	94.37		sPP	06:04:22.783		258.0		7.70		TAS				m_e		
BRG	94.37		SP	06:09:07.886		260.6		10.22		TAS				m_e		
BSEG	92.76		P	05:57:25.021		258.4		4.69		TAS		291.7	1.00	a_e	MBB	7.0
BSEG	92.76		sP	06:00:34.964						T__				m_e		
BSEG	92.76		PP	06:01:17.626						T__				m_e		
BSEG	92.76		sPP	06:04:09.621	0.1	258.0		7.70		TAS				m_e		
BUG	90.37		P	05:57:14.021	0.2	258.4		4.69		TAS		1369.1	1.99	a_e	MBB	7.0
BUG	90.37		pP	05:59:26.389						T__				m_e		
BUG	90.37		sP	06:00:24.416						T__				m_e		
BUG	90.37		sPP	06:03:52.995	-0.4	258.0		7.70		TAS				m_e		
CLL	93.86		P	05:57:30.421		258.4		4.69		TAS		275.7	1.50	a_e	MBB	6.9
CLL	93.86		pP	05:59:42.089						T__				m_e		
CLL	93.86		sPP	06:04:18.857	-0.8	258.0		7.70		TAS				m_e		
CLL	93.86		SP	06:09:00.449	-1.9	260.6		10.22		TAS				m_e		
CLZ	92.35		SKSac	06:07:00.107						T__				m_e		
CLZ	92.35		P	05:57:23.571		258.4		4.69		TAS		556.4	1.72	a_e	MBB	7.0
CLZ	92.35		pP	05:59:35.979						T__				m_e		
CLZ	92.35		sPP	06:04:07.542	-1.3	258.0		7.70		TAS				m_e		
CLZ	92.35		SP	06:08:47.354	1.1	260.6		10.22		TAS				m_e		
FBE	94.01		P	05:57:31.421	0.2	258.4		4.69		TAS		338.0	1.39	a_e	mb	6.5
FBE	94.01		pP	05:59:42.481						T__				m_e		
FLT1	92.97		P	05:57:25.921		258.4		4.69		TAS		307.2	1.57	a_e	MBB	7.0
FLT1	92.97		pP	05:59:37.982						T__				m_e		
FLT1	92.97		sP	06:00:37.144						T__				m_e		
FLT1	92.97		PP	06:01:18.126						T__				m_e		
FLT1	92.97		sPP	06:04:11.468	0.7	258.0		7.70		TAS				m_e		
FLT1	92.97		SP	06:08:52.076	0.4	260.6		10.22		TAS				m_e		

FUR	92.16	P	05:57:22.421		258.4	4.69	TAS	542.7	1.31	a_e	MBB	7.2
FUR	92.16	sP	06:00:32.666				T__				m_e	
FUR	92.16	sPP	06:04:05.926	0.3	258.0	7.70	TAS				m_e	
FUR	92.16	SP	06:08:46.612	2.3	260.6	10.22	TAS				m_e	
GEC2	93.87	P	05:57:30.171		258.4	4.69	TAS	203.0	1.09	a_e	MBB	6.9
GEC2	93.87	sP	06:00:41.282				T__				m_e	
GEC2	93.87	sPP	06:04:18.857	0.5	258.0	7.70	TAS				m_e	
GEC2	93.87	SP	06:09:03.952		260.6	10.22	TAS				m_e	
GRA1	92.43	P	05:57:23.821		258.4	4.69	TAS	443.4	1.63	a_e	MBB	6.9
GRA1	92.43	pP	05:59:36.667				T__				m_e	
GRA1	92.43	sP	06:00:34.346				T__				m_e	
GRA1	92.43	PP	06:01:14.777				T__				m_e	
GRA1	92.43	sPP	06:04:06.388	0.1	258.0	7.70	TAS				m_e	
GRA1	92.43	SP	06:08:48.343	-0.2	260.6	10.22	TAS				m_e	
GRA1	92.43	PXPxdf	06:22:45.164				T__				m_e	
GTTG	92.04	P	05:57:22.071		258.4	4.69	TAS	429.5	1.61	a_e	MBB	7.0
GTTG	92.04	pP	05:59:34.519				T__				m_e	
GTTG	92.04	sP	06:00:32.895				T__				m_e	
GTTG	92.04	sPP	06:04:04.771	-0.0	258.0	7.70	TAS				m_e	
GTTG	92.04	SP	06:08:43.643	1.3	260.6	10.22	TAS				m_e	
GUNZ	93.27	P	05:57:28.071	0.4	258.4	4.69	TAS	421.9	1.81	a_e	mb	6.6
GUNZ	93.27	pP	05:59:39.032				T__				m_e	
HLG	91.42	P	05:57:19.071	0.0	258.4	4.69	TAS	880.4	1.39	a_e	MBB	7.2
HLG	91.42	sP	06:00:28.964				T__				m_e	
HLG	91.42	sPP	06:04:01.077	-0.6	258.0	7.70	TAS				m_e	
IBBN	90.88	P	05:57:16.471	0.2	258.4	4.69	TAS	2509.9	2.35	a_e	MBB	7.2
IBBN	90.88	pP	05:59:28.791				T__				m_e	
IBBN	90.88	sP	06:00:27.208				T__				m_e	
IBBN	90.88	sPP	06:03:56.689	0.3	258.0	7.70	TAS				m_e	
IBBN	90.88	SP	06:08:29.543	-0.2	260.6	10.22	TAS				m_e	
KAST	91.01	P	05:57:16.921	-0.4	258.4	4.69	TAS	437.7	1.82	a_e	MBB	6.9
KAST	91.01	pP	05:59:29.408				T__				m_e	
KAST	91.01	sPP	06:03:57.382	0.4	258.0	7.70	TAS				m_e	
KAST	91.01	SP	06:08:30.780	0.8	260.6	10.22	TAS				m_e	
LNIZ	94.95	P	05:57:35.271		258.4	4.69	TAS	306.2	1.41	a_e	MBB	7.2
LNIZ	94.95	SP	06:09:10.385		260.6	10.22	TAS				m_e	
MANZ	93.05	P	05:57:26.971		258.4	4.69	TAS	614.9	2.57	a_e	MBB	6.6
MANZ	93.05	pP	05:59:38.651				T__				m_e	
MANZ	93.05	sP	06:00:37.945				T__				m_e	
MANZ	93.05	PP	06:01:18.126				T__				m_e	
MANZ	93.05	sPP	06:04:12.623	0.7	258.0	7.70	TAS				m_e	
MANZ	93.05	SP	06:08:53.043	-2.0	260.6	10.22	TAS				m_e	
MILB	91.24	P	05:57:17.921	0.2	258.4	4.69	TAS	2585.6	2.59	a_e	MBB	7.0
MILB	91.24	pP	05:59:30.165				T__				m_e	
MILB	91.24	sPP	06:03:58.998	0.6	258.0	7.70	TAS				m_e	
MILB	91.24	SP	06:08:36.222	0.9	260.6	10.22	TAS				m_e	
MOX	92.87	P	05:57:25.971		258.4	4.69	TAS	544.4	1.69	a_e	MBB	7.0
MOX	92.87	pP	05:59:37.800				T__				m_e	
MOX	92.87	sP	06:00:36.228				T__				m_e	

MOX	92.87	sPP	06:04:11.237	0.1	258.0	7.70	TAS					m_e
MOX	92.87	SP	06:08:52.054	0.4	260.6	10.22	TAS					m_e
NEUB	93.07	P	05:57:26.921		258.4	4.69	TAS	447.5	1.49	a_e	MBB	7.2
NEUB	93.07	pP	05:59:39.668				T__					m_e
NEUB	93.07	sP	06:00:38.682				T__					m_e
NEUB	93.07	PP	06:01:18.783				T__					m_e
NEUB	93.07	sPP	06:04:12.853	0.8	258.0	7.70	TAS					m_e
NEUB	93.07	SP	06:08:53.043	-0.3	260.6	10.22	TAS					m_e
NRDL	92.33	SKSac	06:06:59.253				T__					m_e
NRDL	92.33	P	05:57:23.621		258.4	4.69	TAS	460.1	1.72	a_e	MBB	7.0
NRDL	92.33	pP	05:59:35.280				T__					m_e
NRDL	92.33	sPP	06:04:07.081	-1.3	258.0	7.70	TAS					m_e
NRDL	92.33	SP	06:08:47.354	0.6	260.6	10.22	TAS					m_e
PLN	93.18	P	05:57:27.421		258.4	4.69	TAS	342.0	1.58	a_e	MBB	7.1
PLN	93.18	sP	06:00:38.279				T__					m_e
PLN	93.18	PP	06:01:20.317				T__					m_e
PLN	93.18	sPP	06:04:14.239	0.1	258.0	7.70	TAS					m_e
PLN	93.18	SP	06:08:55.517	1.0	260.6	10.22	TAS					m_e
RGN	94.60	P	05:57:33.971		258.4	4.69	TAS	318.1	1.05	a_e	MBB	7.2
RGN	94.60	sPP	06:04:25.323		258.0	7.70	TAS					m_e
ROTZ	93.08	P	05:57:26.921		258.4	4.69	TAS	76.0	1.20	a_e	MBB	6.5
ROTZ	93.08	pP	05:59:38.445				T__					m_e
ROTZ	93.08	sP	06:00:37.928				T__					m_e
ROTZ	93.08	PP	06:01:19.222				T__					m_e
ROTZ	93.08	sPP	06:04:13.315	-0.3	258.0	7.70	TAS					m_e
ROTZ	93.08	SP	06:08:54.775	-1.3	260.6	10.22	TAS					m_e
RUE	94.53	P	05:57:33.121		258.4	4.69	TAS	211.5	1.34	a_e	MBB	6.9
RUE	94.53	sP	06:00:44.397				T__					m_e
RUE	94.53	sPP	06:04:23.245		258.0	7.70	TAS					m_e
RUE	94.53	SP	06:09:07.638		260.6	10.22	TAS					m_e
SKMB	92.42	P	05:57:24.021		258.4	4.69	TAS	571.6	1.20	a_e	MBB	7.3
SKMB	92.42	pP	05:59:36.370				T__					m_e
SKMB	92.42	SP	06:08:48.096	0.1	260.6	10.22	TAS					m_e
STU	90.94	P	05:57:16.421	0.3	258.4	4.69	TAS	4664.0	2.35	a_e	MBB	7.4
STU	90.94	pP	05:59:29.352				T__					m_e
STU	90.94	sP	06:00:26.631				T__					m_e
STU	90.94	sPP	06:03:56.458	0.5	258.0	7.70	TAS					m_e
STU	90.94	SP	06:08:32.512	-1.8	260.6	10.22	TAS					m_e
TANN	93.36	P	05:57:28.421		258.4	4.69	TAS	362.4	1.45	m_e	MBB	7.1
TANN	93.36	sP	06:00:40.286				T__					m_e
TANN	93.36	PP	06:01:21.194				T__					m_e
TANN	93.36	sPP	06:04:15.624	0.1	258.0	7.70	TAS					m_e
TANN	93.36	SP	06:08:55.022	0.7	260.6	10.22	TAS					m_e
TNS	90.80	P	05:57:16.171	0.1	258.4	4.69	TAS	311.1	1.14	a_e	MBB	7.1
TNS	90.80	pP	05:59:29.012				T__					m_e
TNS	90.80	sP	06:00:27.124				T__					m_e
TNS	90.80	sPP	06:03:54.842	0.7	258.0	7.70	TAS					m_e
TNS	90.80	SP	06:08:30.533	-1.2	260.6	10.22	TAS					m_e
UBBA	91.90	SKSac	06:06:57.281				T__					m_e

UBBA	91.90	P	05:57:21.421	-0.3	258.4		4.69	TAS	958.6	2.07	a_e	MBB	7.0
UBBA	91.90	pP	05:59:33.274					T__			m_e		
UBBA	91.90	sP	06:00:32.172					T__			m_e		
UBBA	91.90	sPP	06:04:03.155	-0.0	258.0		7.70	TAS			m_e		
UBBA	91.90	SP	06:08:42.159	1.0	260.6		10.22	TAS			m_e		
UBR	91.29	P	05:57:18.621	-0.1	258.4		4.69	TAS	1992.2	2.13	a_e	MBB	7.2
UBR	91.29	pP	05:59:31.322					T__			m_e		
UBR	91.29	sPP	06:03:59.460	0.8	258.0		7.70	TAS			m_e		
UBR	91.29	SP	06:08:37.706	0.3	260.6		10.22	TAS			m_e		
WERD	93.27	P	05:57:27.821	0.1	258.4		4.69	TAS	337.7	1.57	a_e	mb	6.5
WERD	93.27	pP	05:59:39.640					T__			m_e		
WERN	93.28	P	05:57:28.121	0.3	258.4		4.69	TAS	263.6	1.35	a_e	mb	6.5
WERN	93.28	pP	05:59:39.705					T__			m_e		
WET	93.39	P	05:57:28.171		258.4		4.69	TAS	326.1	1.31	a_e	MBB	7.1
WET	93.39	pP	05:59:40.216					T__			m_e		
WET	93.39	sP	06:00:38.441					T__			m_e		
WET	93.39	sPP	06:04:14.701	0.1	258.0		7.70	TAS			m_e		
WET	93.39	SP	06:08:57.519	-0.6	260.6		10.22	TAS			m_e		
WLF	89.23	P	05:57:08.871	0.1	258.4		4.69	TAS	829.4	1.16	a_e	MBB	7.2
WLF	89.23	sP	06:00:18.579					T__			m_e		
WLF	89.23	SP	06:08:13.233	-1.5	260.6		10.22	TAS			m_e		

Event 51126010 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/26	13:51:27.53			-19.5000	-179.2000				616.6			39		143.73	150.89	m i ke	BGR
OrigID 51126016																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.63		PKPbc	14:10:06.174	0.2	17.5		2.92		TAS				m_e	
ASSE	146.53		PKPbc	14:10:00.140	0.3	17.5		2.92		TAS				m_e	
BFO	150.60		PKPbc	14:10:11.010		17.5		2.92		TAS				m_e	
BRG	147.01		PKPbc	14:10:01.672	0.3	17.5		2.92		TAS				m_e	
BRG	147.01		pPKPbc	14:12:24.777						T__				m_e	
BSEG	144.86		PKPbc	14:09:54.671	-0.2	17.5		2.92		TAS				m_e	
CLL	146.83		PKPbc	14:10:00.488	-0.3	17.5		2.92		TAS				m_e	
CLZ	146.86		PKPbc	14:10:00.906	0.1	17.5		2.92		TAS				m_e	
FBE	147.11		PKPbc	14:10:02.090	0.5	17.5		2.92		TAS				m_e	
FLT1	146.24		PKPbc	14:09:58.607	-0.3	17.5		2.92		TAS				m_e	
FUR	150.17		PKPbc	14:10:10.131	-1.0	17.5		2.92		TAS				m_e	
FUR	150.17		PKPab	14:10:15.845						T__				m_e	
GEC2	148.93		PKPdf	14:10:03.976						T__				m_e	
GEC2	148.93		PKPbc	14:10:06.614	0.3	17.5		2.92		TAS				m_e	
GRA1	148.74		PKPbc	14:10:06.467	-0.2	17.5		2.92		TAS				m_e	

GRA1	148.74	PKPab	14:10:09.471							T__	m_e
GTTG	147.22	PKPbc	14:10:01.951	0.1	17.5	2.92				TAS	m_e
GUNZ	147.87	PKPbc	14:10:04.528	0.4	17.5	2.92				TAS	m_e
GUNZ	147.87	pPKPbc	14:12:26.783							T__	m_e
HLG	144.95	PKPbc	14:09:55.477	0.1	17.5	2.92				TAS	m_e
IBBN	146.81	PKPbc	14:10:00.697	-0.0	17.5	2.92				TAS	m_e
KAST	147.80	PKPbc	14:10:03.832	0.7	17.5	2.92				TAS	m_e
LNIZ	144.52	PKPbc	14:09:53.670	-0.4	17.5	2.92				TAS	m_e
MANZ	148.27	PKPdf	14:10:02.731							T__	m_e
MANZ	148.27	PKPbc	14:10:05.294	0.1	17.5	2.92				TAS	m_e
MILB	148.99	PKPbc	14:10:07.273	-0.3	17.5	2.92				TAS	m_e
MOX	147.76	PKPbc	14:10:03.553	0.1	17.5	2.92				TAS	m_e
MOX	147.76	pPKPbc	14:12:27.300							T__	m_e
NEUB	147.21	PKPbc	14:10:02.229	0.4	17.5	2.92				TAS	m_e
NRDL	146.28	PKPbc	14:09:59.234	0.2	17.5	2.92				TAS	m_e
PLN	147.79	PKPbc	14:10:03.692	0.5	17.5	2.92				TAS	m_e
PLN	147.79	pPKPbc	14:12:26.538							T__	m_e
RETH	146.16	PKPbc	14:09:58.746	-0.0	17.5	2.92				TAS	m_e
RGN	143.73	PKPbc	14:09:51.037	-0.6	17.5	2.92				TAS	m_e
ROTZ	148.45	PKPbc	14:10:05.735	0.1	17.5	2.92				TAS	m_e
RUE	145.57	PKPbc	14:09:56.726	-0.4	17.5	2.92				TAS	m_e
SKMB	144.23	PKPbc	14:09:52.587	-0.6	17.5	2.92				TAS	m_e
STU	150.02	PKPdf	14:10:05.735							T__	m_e
STU	150.02	PKPbc	14:10:09.691	-0.7	17.5	2.92				TAS	m_e
TANN	147.79	PKPbc	14:10:03.971	0.1	17.5	2.92				TAS	m_e
TANN	147.79	pPKPbc	14:12:26.567							T__	m_e
TNS	148.75	PKPdf	14:10:03.317							T__	m_e
TNS	148.75	PKPbc	14:10:06.467	-0.6	17.5	2.92				TAS	m_e
UBR	150.89	PKPbc	14:10:11.596		17.5	2.92				TAS	m_e
UBR	150.89	PKPab	14:10:18.703							T__	m_e
VAL	146.49	PKPbc	14:10:00.836	0.3	17.5	2.92				TAS	m_e
WERD	147.79	PKPbc	14:10:04.041	0.3	17.5	2.92				TAS	m_e
WERN	147.93	PKPbc	14:10:04.389	0.3	17.5	2.92				TAS	m_e
WET	148.87	PKPbc	14:10:06.614	0.3	17.5	2.92				TAS	m_e
WET	148.87	PKPab	14:10:10.936							T__	m_e
WET	148.87	pPKPbc	14:12:28.052							T__	m_e
WLF	149.60	PKPbc	14:10:09.251	-0.4	17.5	2.92				TAS	m_e
WTSB	147.26	PKPbc	14:10:02.299	0.7	17.5	2.92				TAS	m_e

Event 51126012 Owen Fracture Zone region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/26	18:41:57.00			14.6700	55.1700				10.0					49.92	49.92	m i ke	EMSC
	51126044																

Magnitude Err Nsta Author OrigID

mb 4.9 BGR 51126018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	49.92		P	18:50:47.422		118.6		8.73		TAS		26.2	1.72	m_e	mb 4.9

Event 51127008 Peru-Brazil border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/27	00:52:54.80			-9.3200	-71.2200				628.0					88.97	93.62	m i ke	EMSC
OrigID 51127040																	

Magnitude Err Nsta Author OrigID  
mb 5.5 BGR 51127014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.78		P	01:04:47.610		258.3		5.66		TAS		11.2	0.79	m_e	mb 5.2
GEC2	93.62		P	01:05:04.963		258.3		5.66		TAS				m_e	
GRA1	92.18		P	01:04:59.313		258.3		5.66		TAS		30.4	1.58	m_e	mb 5.4
TNS	90.55		P	01:04:50.970		258.3		5.66		TAS		14.0	0.73	m_e	mb 5.4
WET	93.14		P	01:05:03.161		258.3		5.66		TAS		192.8	3.05	m_e	mb 6.0
WLF	88.97		P	01:04:43.588		258.3		5.66		TAS		34.7	1.12	m_e	mb 5.5

Event 51127009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/27	01:36:50.90			-22.4700	170.4500				40.0					145.17	148.28	m i ke	EMSC
OrigID 51127041																	

Magnitude Err Nsta Author OrigID  
Ms 4.2 BGR 51127015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	146.25		PKPab	01:56:26.341		38.6		3.43		TAS				m_e	
BSEG	145.17		PKPab	01:56:22.858		38.6		3.43		TAS				m_e	
CLL	146.31		PKPab	01:56:26.294		38.6		3.43		TAS				m_e	
CLZ	146.88		PKPab	01:56:28.263		38.6		3.43		TAS				m_e	
FBE	146.46		PKPab	01:56:27.286		38.6		3.43		TAS				m_e	
FLT1	146.17		PKPab	01:56:25.753		38.6		3.43		TAS				m_e	
GRA1	148.28		PKPab	01:56:35.468		38.6		3.43		TAS				m_e	
GRA1	148.28		L	03:00:02.044						T__		45.2	18.60	a_e	Ms 4.3
GTTG	147.27		PKPab	01:56:29.285		38.6		3.43		TAS				m_e	
MOX	147.38		L	03:03:20.675						T__		32.9	20.90	a_e	Ms 4.1
NEUB	146.88		PKPab	01:56:27.919		38.6		3.43		TAS				m_e	

Event 51127010 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/27	08:33:57.93			21.7440	94.7170				33.0			28		67.61	72.84	m i ke	BGR
OrigID 51127016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	51127016
Ms	4.9		BGR	51127016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	72.06		P	08:45:18.187		80.2		6.18		TAS		35.3	1.08	m_e mb	5.4
BFO	71.74		P	08:45:15.676		80.2		6.18		TAS		11.5	0.93	m_e mb	5.0
BFO	71.74		L	09:21:44.014						T__		556.7	19.30	a_e Ms	4.8
BRG	67.70		P	08:44:51.190	0.3	80.2		6.18		TAS		34.1	0.80	m_e mb	5.6
BSEG	69.47		P	08:45:02.260	0.2	80.2		6.18		TAS		57.8	0.83	m_e mb	5.8
BSEG	69.47		L	09:18:28.616						T__		854.4	21.10	a_e Ms	5.0
BUG	71.75		P	08:45:16.170		80.2		6.18		TAS		31.0	0.90	m_e mb	5.4
CLL	68.23		P	08:44:53.948	0.2	80.2		6.18		TAS		30.4	1.22	m_e mb	5.4
CLL	68.23		L	09:18:24.505						T__		1428.4	18.40	a_e Ms	5.2
CLZ	69.78		P	08:45:04.213	-0.4	80.2		6.18		TAS		52.9	1.02	m_e mb	5.6
FBE	68.07		P	08:44:53.865	0.1	80.2		6.18		TAS		57.1	0.89	m_e mb	5.8
FLT1	69.17		P	08:44:59.649	0.4	80.2		6.18		TAS		21.6	0.87	m_e mb	5.4
FUR	69.84		L	09:19:48.613						T__		536.4	18.00	a_e Ms	4.8
GEC2	68.14		P	08:44:54.112	-0.6	80.2		6.18		TAS		46.6	0.86	m_e mb	5.7
GEC2	68.14		L	09:18:33.676						T__		399.2	19.60	a_e Ms	4.7
GRA1	69.61		P	08:45:03.454	0.0	80.2		6.18		TAS		113.1	1.82	m_e mb	5.7
GRA1	69.61		L	09:19:06.219						T__		890.5	19.50	a_e Ms	5.0
GTTG	70.08		P	08:45:05.964	-0.1	80.2		6.18		TAS		32.3	0.85	m_e mb	5.5
GUNZ	68.79		P	08:44:58.227	0.1	80.2		6.18		TAS		42.8	0.96	m_e mb	5.6
MANZ	68.99		P	08:44:59.627	-0.6	80.2		6.18		TAS		7.7	0.94	m_e mb	4.9
MOX	69.20		P	08:45:00.409	0.3	80.2		6.18		TAS		465.2	3.49	m_e mb	6.1
MOX	69.20		L	09:18:05.466						T__		649.9	20.10	a_e Ms	4.9
NEUB	69.02		P	08:44:59.256	-0.2	80.2		6.18		TAS		50.3	0.91	m_e mb	5.7
NRDL	69.83		P	08:45:04.606	0.1	80.2		6.18		TAS		68.9	1.31	m_e mb	5.6
PLN	68.88		P	08:44:58.447	0.6	80.2		6.18		TAS		25.4	0.88	m_e mb	5.5
ROTZ	68.96		P	08:44:59.750	-0.2	80.2		6.18		TAS		16.5	0.78	m_e mb	5.3
RUE	67.61		P	08:44:50.161	-0.5	80.2		6.18		TAS		75.4	0.85	m_e mb	5.9
STU	71.08		P	08:45:12.302		80.2		6.18		TAS		134.7	0.87	m_e mb	6.1
TANN	68.70		P	08:44:57.528	0.1	80.2		6.18		TAS		26.7	0.89	m_e mb	5.5
TNS	71.27		P	08:45:13.274		80.2		6.18		TAS		37.3	0.97	m_e mb	5.5
TNS	71.27		L	09:20:09.433						T__		589.5	18.80	a_e Ms	4.9
UBR	70.70		P	08:45:09.380	0.3	80.2		6.18		TAS		28.0	0.89	m_e mb	5.4
WERD	68.80		P	08:44:58.145	-0.2	80.2		6.18		TAS		29.3	0.78	m_e mb	5.6
WERN	68.78		P	08:44:58.104	0.2	80.2		6.18		TAS		27.4	0.87	m_e mb	5.5

WET	68.63	P	08:44:57.240	0.0	80.2	6.18	TAS	34.4	0.98	m_e	mb	5.5
WET	68.63	L	09:16:21.928				T__	388.8	20.10	a_e	Ms	4.6
WLF	72.84	P	08:45:23.331		80.2	6.18	TAS	120.0	1.04	m_e	mb	6.0

Event 51127011 Near coast of northern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/27	21:00:19.00			-24.8500	-70.5900				33.0			17		100.50	105.17	m i ke	EMSC
OrigID 51127043																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	51127017
MBB	6.2		BGR	51127017
Ms	5.9		BGR	51127017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	101.42		P	21:14:11.803	-0.2	247.9		4.48		TAS		60.9	1.12	m_e	mb	6.0
BFO	101.23		L	21:57:53.535						T__		3150.7	21.40	a_e	Ms	5.8
BSEG	104.60		P	21:14:25.786		247.9		4.48		TAS		68.6	1.63	m_e	mb	6.3
BSEG	104.60		L	22:00:02.557						T__		6385.8	20.40	a_e	Ms	6.1
CLL	105.17		P	21:14:28.622		247.9		4.48		TAS		19.4	1.24	m_e	mb	5.9
CLL	105.17		L	22:00:51.193						T__		4691.6	20.40	a_e	Ms	6.0
CLZ	103.84		P	21:14:22.395	-0.2	247.9		4.48		TAS		29.6	1.29	m_e	mb	6.0
FUR	102.97		L	22:04:51.722						T__		2022.8	21.60	a_e	Ms	5.6
GEC2	104.72		P	21:14:26.380		247.9		4.48		TAS		14.4	1.16	m_e	mb	5.8
GEC2	104.72		L	22:01:20.413						T__		2567.7	20.30	a_e	Ms	5.8
GRA1	103.52		Pdiff	21:14:21.413						T__				m_e		
GRA1	103.52		L	21:59:12.560						T__		2344.5	21.40	a_e	Ms	5.7
IBBN	102.54		P	21:14:16.618	0.4	247.9		4.48		TAS		93.7	1.14	m_e	mb	6.4
MOX	104.11		L	22:00:38.163						T__		5055.5	21.10	a_e	Ms	6.0
NRDL	103.94		P	21:14:23.214	0.0	247.9		4.48		TAS		38.4	1.23	m_e	mb	6.1
PLN	104.38		P	21:14:25.164		247.9		4.48		TAS		10.4	1.16	m_e	mb	5.5
RETH	103.61		P	21:14:22.093	0.3	247.9		4.48		TAS		54.5	1.04	m_e	mb	6.3
STU	101.93		P	21:14:13.914	-0.1	247.9		4.48		TAS		59.5	0.96	m_e	mb	6.2
TANN	104.53		P	21:14:26.050		247.9		4.48		TAS		18.3	1.23	m_e	mb	5.9
TNS	102.08		P	21:14:14.682	-0.2	247.9		4.48		TAS		42.7	1.25	m_e	mb	5.9
TNS	102.08		L	21:58:57.428						T__		6745.3	21.00	a_e	Ms	6.1
UBBA	103.23		P	21:14:19.718	0.1	247.9		4.48		TAS		35.5	1.61	m_e	mb	5.8
UBR	102.05		P	21:14:14.771	-0.2	247.9		4.48		TAS		70.1	1.47	m_e	mb	6.1
WERN	104.43		P	21:14:25.720		247.9		4.48		TAS		14.1	1.19	m_e	mb	5.7
WET	104.32		P	21:14:24.467		247.9		4.48		TAS		134.7	2.57	m_e	mb	6.3
WET	104.32		L	22:01:31.848						T__		2879.4	19.20	a_e	Ms	5.8
WLF	100.50		P	21:14:07.780	0.1	247.9		4.48		TAS		91.3	1.11	m_e	MBB	6.2

Event 51128003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/28	02:51:05.94			43.6490	146.7520				33.0			33		75.90	81.38	m i ke	BGR
51128009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	51128009
MBB	6.0		BGR	51128009
Ms	5.0		BGR	51128009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.84		P	03:03:09.182	-0.4	31.1		5.48		TAS		135.1	1.03	m_e	MBB	5.9
ASSE	77.34		P	03:02:55.491	-0.2	31.1		5.48		TAS		88.2	1.05	a_e	mb	5.8
BFO	81.38		P	03:03:17.291		31.1		5.48		TAS		86.5	0.93	a_e	MBB	5.9
BFO	81.38		L	03:31:08.566						T__		372.2	20.90	a_e	Ms	4.7
BRG	77.32		P	03:02:55.241	-0.5	31.1		5.48		TAS		85.7	0.98	m_e	mb	5.8
BSEG	75.90		P	03:02:47.692	-0.2	31.1		5.48		TAS		289.0	0.98	m_e	mb	6.4
BSEG	75.90		L	03:40:46.823						T__		819.8	20.50	a_e	Ms	5.0
BUG	78.99		P	03:03:04.588	0.1	31.1		5.48		TAS		207.7	1.04	m_e	mb	6.1
CLL	77.27		P	03:02:54.741	-0.4	31.1		5.48		TAS		273.8	0.94	m_e	MBB	6.4
CLL	77.27		L	03:41:46.121						T__		651.5	20.00	a_e	Ms	4.9
CLZ	77.68		P	03:02:57.851	-0.1	31.1		5.48		TAS		505.7	1.54	m_e	mb	6.4
CLZ	77.68		L	03:42:31.973						T__		564.5	18.20	a_e	Ms	4.9
FBE	77.48		P	03:02:56.310	-0.1	31.1		5.48		TAS		148.3	0.88	m_e	mb	6.1
FLT1	76.98		P	03:02:53.204	-0.0	31.1		5.48		TAS		211.5	0.84	m_e	mb	6.3
FUR	80.54		P	03:03:13.311	-0.2	31.1		5.48		TAS		187.6	0.95	m_e	mb	6.1
FUR	80.54		L	03:39:58.147						T__		626.2	21.90	a_e	Ms	4.9
GEC2	79.11		P	03:03:05.166	0.3	31.1		5.48		TAS		55.4	0.90	m_e	MBB	5.8
GEC2	79.11		L	03:42:25.908						T__		967.0	19.30	a_e	Ms	5.2
GRA1	79.25		P	03:03:06.494	0.4	31.1		5.48		TAS		249.7	1.00	m_e	mb	6.2
GRA1	79.25		L	03:39:05.431						T__		498.2	22.00	a_e	Ms	4.8
GTTG	78.06		P	03:02:59.771	-0.1	31.1		5.48		TAS		238.7	1.05	m_e	mb	6.3
GUNZ	78.30		P	03:03:00.959	0.0	31.1		5.48		TAS		78.9	0.81	m_e	mb	5.9
IBBN	78.08		P	03:02:59.821	-0.2	31.1		5.48		TAS		278.2	0.92	m_e	mb	6.4
MANZ	78.69		P	03:03:03.014	0.2	31.1		5.48		TAS		196.6	2.78	m_e	mb	5.6
MOX	78.30		P	03:03:00.876	-0.0	31.1		5.48		TAS		81.9	0.87	m_e	MBB	6.0
MOX	78.30		L	03:43:46.654						T__		502.2	18.70	a_e	Ms	4.9
NEUB	77.78		P	03:02:57.826	-0.1	31.1		5.48		TAS		237.9	0.96	m_e	mb	6.3
NRDL	77.20		P	03:02:54.741	0.2	31.1		5.48		TAS		491.7	2.05	a_e	mb	6.3
PLN	78.25		P	03:03:00.534	0.2	31.1		5.48		TAS		66.7	0.89	m_e	mb	5.8
RETH	77.22		P	03:02:55.034	0.4	31.1		5.48		TAS		281.2	1.04	m_e	mb	6.3
RJOB	80.37		P	03:03:12.591	0.2	31.1		5.48		TAS		89.3	0.92	a_e	mb	5.7
ROTZ	78.85		P	03:03:04.092	0.4	31.1		5.48		TAS		25.1	1.14	m_e	mb	5.1
RUE	76.03		P	03:02:48.235	0.1	31.1		5.48		TAS		228.3	0.96	m_e	mb	6.3
STU	80.71		P	03:03:13.891	-0.5	31.1		5.48		TAS		397.4	0.89	a_e	mb	6.4
TANN	78.21		P	03:03:00.281	-0.1	31.1		5.48		TAS		45.5	0.96	m_e	mb	5.6
TNS	79.69		P	03:03:08.505	-0.0	31.1		5.48		TAS		97.6	0.88	m_e	MBB	5.8

TNS	79.69	L	03:43:59.832						T__	672.6	18.70	a_e	Ms	5.0
UBBA	78.68	P	03:03:02.753	0.1	31.1	5.48			TAS	64.4	0.97	m_e	mb	5.6
UBR	81.35	P	03:03:17.178		31.1	5.48			TAS	37.4	0.92	m_e	mb	5.4
WERD	78.24	P	03:03:00.430	0.1	31.1	5.48			TAS	69.6	0.87	m_e	mb	5.8
WERN	78.35	P	03:03:01.291	0.2	31.1	5.48			TAS	92.5	0.79	a_e	mb	6.0
WET	79.14	P	03:03:05.893	0.4	31.1	5.48			TAS	136.4	1.05	m_e	MBB	6.1
WET	79.14	L	03:40:03.249						T__	1025.7	21.80	a_e	Ms	5.1

Event 51128004 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/28	09:55:40.14			52.1390	153.6490				33.0			22		70.44	75.63	m i ke	BGR
	51128010																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	51128010
Ms	4.2		BGR	51128010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.85		P	10:07:09.584		23.0		5.90		TAS		38.6	1.16	m_e	mb	5.3
BFO	75.63		P	10:07:19.413		23.0		5.90		TAS		23.7	0.78	m_e	mb	5.4
BRG	71.86		P	10:06:57.365	0.0	23.0		5.90		TAS		13.1	1.05	m_e	mb	5.0
CLL	71.71		P	10:06:56.501	-0.0	23.0		5.90		TAS		48.7	0.93	m_e	mb	5.6
CLZ	71.87		P	10:06:58.325	0.2	23.0		5.90		TAS		39.5	0.99	m_e	mb	5.5
FBE	71.97		P	10:06:58.495	0.3	23.0		5.90		TAS		32.4	1.06	m_e	mb	5.4
FLT1	71.21		P	10:06:53.548	0.5	23.0		5.90		TAS		27.2	0.75	m_e	mb	5.5
GEC2	73.77		P	10:07:08.963		23.0		5.90		TAS		16.4	0.66	m_e	mb	5.2
GRA1	73.65		P	10:07:08.756		23.0		5.90		TAS		52.8	0.82	m_e	mb	5.6
GRA1	73.65		L	10:34:55.677						T__		126.7	21.20	a_e	Ms	4.2
GUNZ	72.74		P	10:07:03.189	0.0	23.0		5.90		TAS		277.8	3.08	m_e	mb	5.9
MANZ	73.15		P	10:07:05.258		23.0		5.90		TAS		3.1	0.91	m_e	mb	4.4
MOX	72.67		P	10:07:02.531	0.2	23.0		5.90		TAS		27.0	1.15	m_e	mb	5.3
MOX	72.67		L	10:45:08.123						T__		122.4	19.00	a_e	Ms	4.2
NRDL	71.33		P	10:06:54.653	-0.1	23.0		5.90		TAS		24.6	0.94	m_e	mb	5.3
PLN	72.68		P	10:07:02.644	0.2	23.0		5.90		TAS		18.4	0.81	m_e	mb	5.3
RJOB	75.03		P	10:07:16.460		23.0		5.90		TAS		19.5	1.02	m_e	mb	5.1
ROTZ	73.32		P	10:07:06.575		23.0		5.90		TAS		5.9	0.93	m_e	mb	4.7
RUE	70.44		P	10:06:49.513		23.0		5.90		TAS		56.0	0.98	m_e	mb	5.7
STU	75.00		P	10:07:16.114		23.0		5.90		TAS		55.4	0.69	m_e	mb	5.7
TANN	72.66		P	10:07:02.456	0.3	23.0		5.90		TAS		9.5	0.89	m_e	mb	4.9
TNS	73.83		P	10:07:09.546		23.0		5.90		TAS		38.4	0.74	m_e	mb	5.5
WERD	72.67		P	10:07:02.606	-0.0	23.0		5.90		TAS		19.0	0.94	m_e	mb	5.2
WERN	72.80		P	10:07:03.631	-0.2	23.0		5.90		TAS		24.4	0.76	m_e	mb	5.4
WET	73.72		P	10:07:09.076		23.0		5.90		TAS		45.2	1.23	m_e	mb	5.4

Event 51128005 Owen Fracture Zone region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/28	13:11:36.80			14.1780	58.2190				10.0			26		50.24	55.16	m i ke	BGR
51128011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	51128011
Ms	4.7		BGR	51128011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	54.85		P	13:21:08.684		116.0		7.45		TAS		31.0	0.94	m_e	mb	5.3
ASSE	53.47		P	13:20:57.438	-0.2	116.0		7.45		TAS		24.9	1.16	m_e	mb	5.0
BFO	53.25		L	13:46:33.025						T__		861.0	20.80	a_e	Ms	4.8
BRG	51.08		P	13:20:39.369	-0.2	116.0		7.45		TAS		23.6	0.95	m_e	mb	5.1
BSEG	54.50		L	13:47:12.296						T__		942.1	20.40	a_e	Ms	4.8
BUG	55.09		P	13:21:09.523		116.0		7.45		TAS		40.2	0.91	m_e	mb	5.4
CLL	51.80		P	13:20:45.293	0.2	116.0		7.45		TAS		57.0	0.96	m_e	mb	5.5
CLL	51.80		L	13:43:43.877						T__		483.1	21.50	a_e	Ms	4.5
CLZ	53.51		P	13:20:57.997	-0.3	116.0		7.45		TAS		89.3	0.89	m_e	mb	5.7
FBE	51.42		P	13:20:42.216	0.3	116.0		7.45		TAS		17.4	0.93	m_e	mb	5.0
FLT1	53.26		P	13:20:55.581	-0.5	116.0		7.45		TAS		63.8	0.99	m_e	mb	5.5
FUR	51.38		P	13:20:42.140	-0.1	116.0		7.45		TAS		222.9	0.85	m_e	mb	6.1
FUR	51.38		L	13:46:18.490						T__		774.8	18.10	a_e	Ms	4.8
GEC2	50.24		L	13:42:26.605						T__		705.9	21.20	a_e	Ms	4.6
GRA1	52.07		P	13:20:46.986	-0.2	116.0		7.45		TAS		89.1	0.91	m_e	mb	5.7
GRA1	52.07		L	13:47:37.157						T__		650.5	18.20	a_e	Ms	4.7
GTTG	53.60		P	13:20:58.785	0.0	116.0		7.45		TAS		71.1	1.00	m_e	mb	5.6
GUNZ	51.73		P	13:20:44.912	-0.0	116.0		7.45		TAS		36.5	1.11	m_e	mb	5.2
IBBN	55.16		P	13:21:09.904		116.0		7.45		TAS		27.7	0.70	m_e	mb	5.4
MANZ	51.69		P	13:20:44.276	-0.1	116.0		7.45		TAS		5.6	1.04	m_e	mb	4.4
MOX	52.27		P	13:20:48.954	-0.1	116.0		7.45		TAS		288.9	2.73	m_e	mb	5.7
MOX	52.27		L	13:44:44.920						T__		460.4	22.00	a_e	Ms	4.5
NEUB	52.43		P	13:20:49.997	0.2	116.0		7.45		TAS		112.9	0.82	m_e	mb	5.8
NRDL	53.95		P	13:21:01.251		116.0		7.45		TAS		84.8	0.94	m_e	mb	5.8
PLN	51.89		P	13:20:45.827	0.3	116.0		7.45		TAS		23.9	0.94	m_e	mb	5.1
RETH	54.46		P	13:21:04.684		116.0		7.45		TAS		45.4	1.04	m_e	mb	5.4
ROTZ	51.53		P	13:20:42.979	-0.1	116.0		7.45		TAS		8.3	1.02	m_e	mb	4.6
RUE	51.96		P	13:20:46.208	0.1	116.0		7.45		TAS		127.1	0.89	m_e	mb	5.9
TANN	51.68		P	13:20:44.225	0.2	116.0		7.45		TAS		13.0	0.97	m_e	mb	4.8
TNS	53.92		P	13:21:00.565		116.0		7.45		TAS		42.5	1.25	m_e	mb	5.3
TNS	53.92		L	13:47:17.445						T__		635.9	20.30	a_e	Ms	4.7
WERD	51.79		P	13:20:44.962	-0.3	116.0		7.45		TAS		18.3	0.96	m_e	mb	5.0
WERN	51.67		P	13:20:44.530	0.2	116.0		7.45		TAS		41.9	0.92	m_e	mb	5.4
WET	50.86		L	13:42:46.459						T__		591.9	21.10	a_e	Ms	4.6
WLF	55.08		P	13:21:09.574		116.0		7.45		TAS		56.3	0.95	m_e	mb	5.6

Event 51129002 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/29	00:28:08.86			38.2950	37.7630				10.0					20.29	23.98	m i ke	BGR
OrigID 51129008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51129008
Ms	4.0		BGR	51129008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	23.52		L	00:44:29.181						T__		563.1	18.90	a_e	Ms 4.1
CLL	21.73		L	00:41:58.663						T__		401.1	21.40	a_e	Ms 3.8
FUR	21.58		P	00:32:58.196		109.2		12.53		TAS		98.9	1.26	m_e	mb 5.1
FUR	21.58		L	00:45:22.130						T__		613.8	22.00	a_e	Ms 4.0
GEC2	20.29		P	00:32:44.549		109.2		12.53		TAS		59.0	1.40	m_e	mb 4.6
GEC2	20.29		L	00:41:25.018						T__		688.7	21.60	a_e	Ms 4.0
GRA1	22.11		P	00:33:04.055		109.2		12.53		TAS		79.2	1.38	m_e	mb 5.0
GRA1	22.11		L	00:42:32.779						T__		737.3	19.50	a_e	Ms 4.1
MOX	22.24		P	00:33:07.027		109.2		12.53		TAS		48.2	1.33	m_e	mb 4.8
MOX	22.24		L	00:42:45.072						T__		734.0	21.40	a_e	Ms 4.1
TNS	23.98		L	00:44:03.846						T__		516.0	20.00	a_e	Ms 4.0
WET	20.91		P	00:32:49.366		109.2		12.53		TAS		53.9	1.23	m_e	mb 4.7
WET	20.91		L	00:40:42.970						T__		438.6	21.40	a_e	Ms 3.8

Event 51129003 Jujuy Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/11/29	18:52:50.70			-23.6200	-64.6100				10.0					96.73	100.76	m i ke	EMSC
OrigID 51129035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	51129009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	96.73		L	19:49:50.292						T__		1259.4	19.50	a_e	Ms 5.4
BSEG	100.39		L	19:51:16.570						T__		1345.8	21.20	a_e	Ms 5.4
CLL	100.76		L	19:54:48.119						T__		1694.6	18.40	a_e	Ms 5.6
FUR	98.41		L	19:51:50.140						T__		2052.2	18.40	a_e	Ms 5.7
GEC2	100.16		L	19:51:50.835						T__		1437.6	19.50	a_e	Ms 5.5
GRA1	99.04		Pdiff	19:06:31.808						T__				m_e	
GRA1	99.04		L	19:51:06.259						T__		2069.2	19.80	a_e	Ms 5.6
MOX	99.68		L	19:50:04.305						T__		1375.4	20.50	a_e	Ms 5.4

TNS 97.68 L  
WET 99.79 L

19:52:57.747  
19:51:34.696

T\_\_ 2360.2 18.40 a\_e Ms 5.7  
T\_\_ 1753.6 19.20 a\_e Ms 5.6