

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

(produced by SZGRF/BGR - HANNOVER)

May 2011 UPDATED 09.MAY.2012

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

Event 10501001 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
2011/05/01	01:27:46.99		0.80	36.3190	141.5390				33.0				197	83.74	83.74	m i ke	BGR
OrigID 10501007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10501007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.74		P	01:40:11.507		42.7		4.33		TAS		6.0	0.91	m_e mb	4.8

Event 10501002 Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/01	02:24:14.50	6.80	1.70	45.6000	26.5800	203.5	42.3	119	150.0				18 328	9.35	13.93	m i ke emsc	
OrigID 10501038																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	13.93		Pn	02:27:31.953	4.5					T__				m_e	
BFO	12.76		Pn	02:27:10.111	-1.8					T__				m_e	
BRG	9.94		Pn	02:26:33.562	-1.1					T__				m_e	
BSEG	13.39		Pn	02:27:24.723	2.6					T__				m_e	
CLL	10.67		Pn	02:26:43.279	-1.2					T__				m_e	
CLZ	12.38		Pn	02:27:05.425	-1.9					T__				m_e	
FUR	10.79		Pn	02:26:45.684	0.3					T__				m_e	

GEC2	9.35	Pn	02:26:27.237	1.3	T__	m_e
GRA1	11.14	Pn	02:26:49.706	-0.3	T__	m_e
GTTG	12.50	Pn	02:27:10.679	2.0	T__	m_e
MOX	11.20	Pn	02:26:49.814	-1.3	T__	m_e
NRDL	12.80	Pn	02:27:10.839	-2.4	T__	m_e
RJOB	9.72	Pn	02:26:31.483	0.3	T__	m_e
ROTZ	10.55	Pn	02:26:42.225	0.1	T__	m_e
STU	12.25	Pn	02:27:03.626	-1.2	T__	m_e
TANN	10.61	Pn	02:26:43.615	0.4	T__	m_e
TNS	13.01	Pn	02:27:14.596	-0.4	T__	m_e
WET	9.95	Pn	02:26:34.299	0.3	T__	m_e

Event 10501003 Eastern Kazakhstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/01	02:31:41.32		1.70	44.0900	77.4300				33.0			19	328	42.25	47.36	m i ke	BGR
10501009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10501009
Ms	4.8		BGR	10501009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	46.49		P	02:40:05.400	-0.5	72.4		7.89		TAS		26.3	1.12	m_e	mb 5.2
BFO	46.53		P	02:40:05.655		72.4		7.89		TAS		28.2	1.27	m_e	mb 5.2
BRG	42.25		P	02:39:31.534	-0.1	72.4		7.89		TAS				m_e	
BSEG	43.54		P	02:39:42.196	0.6	72.4		7.89		TAS		72.6	1.16	m_e	mb 5.3
CLL	42.69		P	02:39:35.140	-0.6	72.4		7.89		TAS		51.6	1.11	m_e	mb 5.2
CLZ	44.11		P	02:39:46.686	-0.1	72.4		7.89		TAS		24.4	1.21	m_e	mb 4.8
FUR	44.76		P	02:39:52.347		72.4		7.89		TAS		72.3	1.24	m_e	mb 5.5
GEC2	43.01		P	02:39:37.863	1.0	72.4		7.89		TAS		10.5	1.08	m_e	mb 4.5
GRA1	44.27		P	02:39:48.460	0.2	72.4		7.89		TAS		56.0	1.12	m_e	mb 5.2
GRA1	44.27		L	02:59:11.853						T__		1603.5	18.20	a_e	Ms 5.0
GTTG	44.44		P	02:39:49.844	0.4	72.4		7.89		TAS		75.3	1.10	m_e	mb 5.3
IBBN	45.50		P	02:39:57.402	-0.2	72.4		7.89		TAS		77.6	1.32	m_e	mb 5.5
MOX	43.73		P	02:39:43.677	-0.2	72.4		7.89		TAS		33.1	1.16	m_e	mb 5.0
MOX	43.73		L	02:59:11.334						T__		782.5	19.40	a_e	Ms 4.6
NRDL	44.07		P	02:39:46.547	0.2	72.4		7.89		TAS		85.5	1.18	m_e	mb 5.4
ROTZ	43.64		P	02:39:43.114	0.5	72.4		7.89		TAS		23.5	1.39	m_e	mb 4.7
STU	45.84		P	02:40:00.344		72.4		7.89		TAS				m_e	
TANN	43.28		P	02:39:39.777	0.0	72.4		7.89		TAS		29.6	1.15	m_e	mb 4.9
TNS	45.78		P	02:40:00.068	0.1	72.4		7.89		TAS				m_e	
WET	43.43		P	02:39:41.101	-0.7	72.4		7.89		TAS		19.3	1.17	m_e	mb 4.7
WLF	47.36		P	02:40:12.612	0.4	72.4		7.89		TAS		35.4	1.23	m_e	mb 5.4

Event 10501004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/01	02:48:39.50		1.70	37.3260	142.8230				29.8				328	83.37	83.37	m i ke	BGR
OrigID 10501010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10501010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.37		P	03:01:06.903		39.5		4.42		TAS		2.4	0.30	m_e mb	4.9
GRA1	83.37		pP	03:01:15.535						T__				m_e	

Event 10501005 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/01	04:39:29.10		1.70	-1.7430	-14.3630				10.0				328	55.77	55.77	m i ke	BGR
OrigID 10501011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10501011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	55.77		P	04:49:07.520		212.6		7.67		TAS		7.1	1.11	m_e mb	4.6

Event 10501006 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
2011/05/01	07:04:31.33		1.70	35.9020	141.5510				34.4				328	84.11	84.11	m i ke	BGR
OrigID 10501012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10501012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.11		P	07:16:57.731		43.1		4.37		TAS		11.6	1.18	m_e mb	5.0
GRA1	84.11		pP	07:17:07.728						T__				m_e	

Event 10501007 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/01	08:47:19.24		1.70	-20.7240	168.7690				33.0					328	146.03	146.03	m i ke BGR
OrigID 10501013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.03		PKPbc	09:06:58.530		47.4		3.28		TAS					m_e

Event 10501008 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/05/01	16:12:48.53		1.70	-7.0330	155.8000				33.0					20	328	125.57	130.47	m i ke BGR
OrigID 10501014																		

Magnitude Err Nsta Author OrigID

Ms 5.2 BGR 10501014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	129.42		PKPpdf	16:31:45.441	0.0	49.0		1.97		TAS					a_e
BFO	130.47		PKPpdf	16:31:47.091		49.0		1.97		TAS					a_e
BRG	126.06		PKPpdf	16:31:38.743	0.1	49.0		1.97		TAS					m_e
BSEG	125.57		PKPpdf	16:31:37.941	-0.2	49.0		1.97		TAS					a_e
CLL	126.22		PKPpdf	16:31:38.841	-0.2	49.0		1.97		TAS					a_e
CLZ	127.05		PKPpdf	16:31:40.991	0.1	49.0		1.97		TAS					a_e
FUR	129.16		PKPpdf	16:31:44.791	-0.1	49.0		1.97		TAS					a_e
GEC2	127.50		PKPpdf	16:31:41.541	0.1	49.0		1.97		TAS					a_e
GRA1	128.16		PKPpdf	16:31:42.841	-0.0	49.0		1.97		TAS					a_e
GRA1	128.16		L	17:30:53.969						T__		768.2	22.00		a_e Ms 5.3
GTTG	127.44		PKPpdf	16:31:41.941	0.3	49.0		1.97		TAS					a_e
IBBN	127.81		PKPpdf	16:31:42.454	-0.3	49.0		1.97		TAS					m_e
MOX	127.32		PKPpdf	16:31:41.191	-0.1	49.0		1.97		TAS					a_e
MOX	127.32		L	17:30:29.097						T__		466.3	21.30		a_e Ms 5.1
NRDL	126.69		PKPpdf	16:31:40.241	0.0	49.0		1.97		TAS					a_e
RJOB	128.67		PKPpdf	16:31:43.451	-0.0	49.0		1.97		TAS					m_e
ROTZ	127.63		PKPpdf	16:31:41.991	0.2	49.0		1.97		TAS					a_e
STU	129.75		PKPpdf	16:31:46.041	0.5	49.0		1.97		TAS					a_e
TANN	127.08		PKPpdf	16:31:40.841	0.1	49.0		1.97		TAS					a_e
TNS	129.06		PKPpdf	16:31:44.741	0.0	49.0		1.97		TAS					a_e
WET	127.72		PKPpdf	16:31:41.920	0.3	49.0		1.97		TAS					m_e
WLF	130.47		PKPpdf	16:31:47.922	-0.3	49.0		1.97		TAS					m_e

Event 10501009 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/01	23:18:54.51		1.70	-16.5100	-172.5900				33.0				14 328	145.00	148.54	m i ke	BGR
OrigID 10501015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.05		PKPbc	23:38:35.082	-0.1	6.1		3.09		TAS					m_e
BFO	148.26		PKPbc	23:38:41.852		6.1		3.09		TAS					m_e
CLL	145.00		PKPbc	23:38:31.960	-0.3	6.1		3.09		TAS					m_e
FUR	148.28		PKPbc	23:38:41.940		6.1		3.09		TAS					m_e
GEC2	147.34		PKPbc	23:38:39.286	0.2	6.1		3.09		TAS					m_e
GRA1	146.76		PKPbc	23:38:37.468	-0.1	6.1		3.09		TAS					m_e
MOX	145.78		PKPbc	23:38:33.992	0.1	6.1		3.09		TAS					m_e
RJOB	148.54		PKPbc	23:38:42.708		6.1		3.09		TAS					m_e
ROTZ	146.60		PKPbc	23:38:36.921	-0.1	6.1		3.09		TAS					m_e
STU	147.79		PKPbc	23:38:40.462	-0.3	6.1		3.09		TAS					m_e
TANN	145.94		PKPbc	23:38:34.687	0.3	6.1		3.09		TAS					m_e
TNS	146.36		PKPbc	23:38:36.024	0.6	6.1		3.09		TAS					m_e
WET	147.15		PKPbc	23:38:38.697	-0.2	6.1		3.09		TAS					m_e
WLF	146.91		PKPbc	23:38:38.323	0.1	6.1		3.09		TAS					m_e

Event 10502002 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/02	02:09:54.54			40.1220	137.7650				33.0					78.96	78.96	m i ke	BGR
OrigID 10502008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.96		P	02:21:53.629		41.9		4.70		TAS		12.0	0.97	m_e mb	4.9

Event 10502003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/02	12:36:53.59			37.7640	142.2260				33.0					82.76	82.76	m i ke	BGR
OrigID 10502009																	

Magnitude Err Nsta Author OrigID

mb 5.3 BGR 10502009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.76		P	12:49:05.042		39.7		4.44		TAS		21.7	1.05	m_e	mb 5.3

Event 10502005 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/02	13:20:58.68		0.32	-16.9800	179.7420				12.8					163	146.07	146.07	m i ke BGR
OrigID 10502011																	

Magnitude Err Nsta Author OrigID
Ms 5.1 BGR 10502011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.07		PKPbc	13:40:37.974		13.6		2.92		TAS				m_e	
GRA1	146.07		pPKPbc	13:40:41.814						T__				m_e	
GRA1	146.07		L	14:43:01.236						T__		370.5	21.90	a_e Ms	5.1

Event 10502006 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/02	21:25:58.61		0.32	41.3400	142.3900				33.0					21	163	76.57	81.92 m i ke BGR
OrigID 10502012																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10502012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.50		P	21:38:04.283	-0.1	35.2		5.41		TAS		16.2	0.87	a_e mb	5.1
BFO	81.92		P	21:38:11.633	-0.5	35.2		5.41		TAS		15.5	0.98	a_e mb	5.1
BRG	77.74		P	21:37:48.978	-0.6	35.2		5.41		TAS		15.7	1.02	m_e mb	5.1
BSEG	76.57		P	21:37:42.858	0.1	35.2		5.41		TAS		32.2	0.95	m_e mb	5.4
BUG	79.68		P	21:37:59.683	-0.3	35.2		5.41		TAS		19.0	0.84	a_e mb	5.1
CLL	77.74		P	21:37:49.133	-0.5	35.2		5.41		TAS		26.7	0.93	a_e mb	5.4
CLZ	78.27		P	21:37:52.618	0.3	35.2		5.41		TAS		21.5	0.90	m_e mb	5.3
FUR	80.95		P	21:38:06.883	-0.1	35.2		5.41		TAS		56.4	0.86	a_e mb	5.6
GEC2	79.45		P	21:37:58.633	-0.2	35.2		5.41		TAS		11.7	0.92	a_e mb	4.9
GRA1	79.72		P	21:38:00.683	0.4	35.2		5.41		TAS		42.4	0.92	a_e mb	5.4
GTTG	78.65		P	21:37:54.901	0.4	35.2		5.41		TAS		21.5	0.91	m_e mb	5.2
IBBN	78.78		P	21:37:55.033	-0.1	35.2		5.41		TAS		23.3	0.76	a_e mb	5.3
MOX	78.80		P	21:37:55.233	-0.1	35.2		5.41		TAS		14.6	1.15	a_e mb	4.9
NRDL	77.82		P	21:37:49.977	-0.1	35.2		5.41		TAS		11.8	0.91	m_e mb	5.0

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RJOB	80.70	P	21:38:05.833	0.3	35.2	5.41	TAS	26.0	0.89	a_e	mb	5.3
ROTZ	79.29	P	21:37:58.110	0.5	35.2	5.41	TAS	19.4	1.07	m_e	mb	5.1
STU	81.23	P	21:38:08.083	-0.4	35.2	5.41	TAS	29.8	0.85	a_e	mb	5.3
TANN	78.67	P	21:37:54.649	0.0	35.2	5.41	TAS	5.9	0.88	m_e	mb	4.6
TNS	80.29	P	21:38:03.283	-0.1	35.2	5.41	TAS			a_e		
WET	79.53	P	21:37:59.583	0.3	35.2	5.41	TAS	24.3	1.06	a_e	mb	5.1
WLF	81.56	P	21:38:10.633	0.5	35.2	5.41	TAS			a_e		

Event 10503001 Off coast of central America

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/02	23:55:22.75			9.5810	-91.4220				54.5					90.83	90.83	m i ke	BGR
OrigID 10503007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10503007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	90.83		P	00:08:19.476		274.3		5.74		TAS		15.3	0.96	m_e	mb	5.3
GRA1	90.83		pP	00:08:35.170						T__				m_e		

Event 10503003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/03	07:22:33.58		0.67	45.8900	147.9160				33.0				166	77.64	77.64	m i ke	BGR
OrigID 10503009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10503009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	77.64		P	07:33:59.667		28.4		4.83		TAS		21.1	1.06	m_e	mb	5.2

Event 10503006 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	
2011/05/03	13:36:01.28		0.49	39.7100	142.1900				33.0				20	211	77.95	83.27	m i ke	BGR
OrigID 10503012																		

Magnitude	Err	Nsta	Author	OrigID
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mb 5.1 BGR 10503012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.27		P	13:48:19.836		35.9		5.30		TAS		23.5	1.03	a_e mb	5.4
BRG	79.06		P	13:47:57.586	-0.3	35.9		5.30		TAS		15.1	1.13	m_e mb	4.9
BSEG	77.95		P	13:47:51.936	0.1	35.9		5.30		TAS		29.6	1.10	a_e mb	5.3
BUG	81.06		P	13:48:08.455	-0.2	35.9		5.30		TAS				m_e	
CLL	79.08		P	13:47:57.436	-0.5	35.9		5.30		TAS		24.2	0.95	a_e mb	5.2
CLZ	79.63		P	13:48:01.086	0.3	35.9		5.30		TAS		10.6	0.07	a_e mb	5.9
FUR	82.27		P	13:48:15.108	-0.2	35.9		5.30		TAS				m_e	
GEC2	80.76		P	13:48:06.586	-0.3	35.9		5.30		TAS		8.6	1.00	a_e mb	4.7
GRA1	81.06		P	13:48:08.786	0.4	35.9		5.30		TAS		32.3	0.99	a_e mb	5.3
GTTG	80.02		P	13:48:03.186	0.3	35.9		5.30		TAS		19.1	0.93	a_e mb	5.0
IBBN	80.17		P	13:48:03.536	-0.0	35.9		5.30		TAS		23.6	0.81	a_e mb	5.2
MOX	80.14		P	13:48:03.486	-0.1	35.9		5.30		TAS		12.1	1.09	a_e mb	4.7
NRDL	79.20		P	13:47:58.386	-0.1	35.9		5.30		TAS		15.0	1.15	a_e mb	4.9
RJOB	82.01		P	13:48:13.636	0.0	35.9		5.30		TAS		26.3	0.97	a_e mb	5.3
ROTZ	80.62		P	13:48:06.586	0.5	35.9		5.30		TAS		11.7	1.02	a_e mb	4.9
STU	82.58		P	13:48:16.442	-0.3	35.9		5.30		TAS				m_e	
TANN	80.00		P	13:48:02.686	-0.1	35.9		5.30		TAS				a_e	
TNS	81.66		P	13:48:11.586	0.1	35.9		5.30		TAS				a_e	
WET	80.85		P	13:48:07.586	0.2	35.9		5.30		TAS				a_e	

Event 10503007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/03	22:27:34.67		0.49	-18.8900	173.2340				33.0					211	146.05	146.05	m i ke BGR
OrigID 10503013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.05		PKPbc	22:47:10.530		39.2		2.97		TAS				m_e	

Event 10504001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/04	08:23:46.42			36.8000	144.3800				39.7	0.1		20		81.32	86.64	m i ke BGR	
OrigID 10504007																	

Magnitude Err Nsta Author OrigID

mb	5.5		BGR	10504007
Ms	5.3		BGR	10504007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.25		P	08:36:23.068		35.7		5.05		TAS		131.7	2.15	m_e mb	5.8
BFO	86.64		P	08:36:29.969		35.7		5.05		TAS		29.7	1.05	m_e mb	5.4
BRG	82.44		P	08:36:08.819	-0.3	35.7		5.05		TAS				m_e	
BRG	82.44		pP	08:36:20.388						T__				m_e	
BSEG	81.32		P	08:36:03.228	-0.1	35.7		5.05		TAS		91.1	1.78	m_e mb	5.5
BSEG	81.32		pP	08:36:14.784						T__				m_e	
BUG	84.43		P	08:36:19.199		35.7		5.05		TAS				m_e	
CLL	82.46		P	08:36:08.879		35.7		5.05		TAS		47.5	1.53	m_e mb	5.4
CLL	82.46		pP	08:36:20.386						T__				m_e	
CLZ	83.00		P	08:36:11.979	-0.3	35.7		5.05		TAS				m_e	
FUR	85.65		P	08:36:25.276		35.7		5.05		TAS				m_e	
GRA1	84.43		P	08:36:19.677	0.1	35.7		5.05		TAS		83.0	1.38	m_e mb	5.8
GRA1	84.43		L	09:16:52.438						T__		1235.8	18.80	a_e Ms	5.3
GTTG	83.39		P	08:36:13.809		35.7		5.05		TAS				m_e	
IBBN	83.54		P	08:36:14.628		35.7		5.05		TAS				m_e	
MOX	83.52		P	08:36:14.572	-0.1	35.7		5.05		TAS				m_e	
MOX	83.52		L	09:16:24.836						T__		1243.2	19.80	a_e Ms	5.3
NRDL	82.57		P	08:36:09.548	0.1	35.7		5.05		TAS		115.7	2.18	m_e mb	5.7
RJOB	85.39		P	08:36:23.891		35.7		5.05		TAS				m_e	
ROTZ	84.00		P	08:36:17.490	-0.1	35.7		5.05		TAS		77.3	1.73	m_e mb	5.6
STU	85.96		P	08:36:26.989		35.7		5.05		TAS		31.4	0.86	m_e mb	5.5
TANN	83.38		P	08:36:13.519	0.1	35.7		5.05		TAS		37.0	1.79	m_e mb	5.3
TNS	85.03		P	08:36:22.327		35.7		5.05		TAS				m_e	
WET	84.23		P	08:36:18.057	-0.1	35.7		5.05		TAS		50.4	1.71	m_e mb	5.5
WLF	86.31		P	08:36:28.591		35.7		5.05		TAS				m_e	

Event 10504002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/04	16:13:26.69			-21.5400	-178.6300				33.0			19		148.37	152.69	m i ke	BGR
	10504008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.71		PKPbc	16:32:13.135	0.1	17.5		2.39		TAS				m_e	
BFO	152.69		PKPbc	16:32:17.241	-0.4	17.5		2.39		TAS				m_e	
BRG	149.11		PKPbc	16:32:09.210	0.0	17.5		2.39		TAS				m_e	
BUG	149.80		PKPbc	16:32:10.690	-0.2	17.5		2.39		TAS				m_e	
CLL	148.93		PKPbc	16:32:08.624	-0.1	17.5		2.39		TAS				m_e	
CLZ	148.96		PKPbc	16:32:08.657	-0.0	17.5		2.39		TAS				m_e	
FUR	152.27		PKPbc	16:32:16.621	-0.1	17.5		2.39		TAS				m_e	
GRA1	150.84		PKPbc	16:32:13.470	0.3	17.5		2.39		TAS				m_e	
GTTG	149.31		PKPbc	16:32:09.491	-0.0	17.5		2.39		TAS				m_e	

IBBN	148.89	PKPbc	16:32:08.523	-0.1	17.5	2.39	TAS	m_e
MOX	149.86	PKPbc	16:32:10.933	0.1	17.5	2.39	TAS	m_e
NRDL	148.37	PKPbc	16:32:07.050	-0.2	17.5	2.39	TAS	m_e
RJOB	152.29	PKPbc	16:32:16.474	-0.4	17.5	2.39	TAS	m_e
ROTZ	150.55	PKPbc	16:32:12.702	0.1	17.5	2.39	TAS	m_e
STU	152.12	PKPbc	16:32:16.246	0.0	17.5	2.39	TAS	m_e
TANN	149.89	PKPbc	16:32:11.096	0.1	17.5	2.39	TAS	m_e
TNS	150.84	PKPbc	16:32:13.340	0.1	17.5	2.39	TAS	m_e
WET	150.97	PKPbc	16:32:13.976	0.3	17.5	2.39	TAS	m_e
WLF	151.68	PKPbc	16:32:15.726	0.3	17.5	2.39	TAS	m_e

Event 10504004 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/04	20:57:06.07		0.64	30.8160	83.6890				33.0				233	56.23	56.23	m i ke	BGR
10504010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10504010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	56.23		P	21:06:45.478		90.3		6.56		TAS		34.9	1.57	m_e mb	5.1

Event 10505001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	02:44:22.45			51.4300	-176.2600				220.8	1.4		20		74.86	80.91	m i ke	BGR
10505007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10505007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.37		P	02:56:22.845	-0.0	4.8		5.57		TAS		17.3	1.06	m_e mb	5.1
BFO	80.54		P	02:56:34.493		4.8		5.57		TAS		9.6	0.85	m_e mb	4.9
BRG	77.71		P	02:56:19.030	-0.2	4.8		5.57		TAS		19.5	0.70	m_e mb	5.3
BSEG	74.86		P	02:56:03.156	-0.3	4.8		5.57		TAS		42.6	1.12	m_e mb	5.4
BSEG	74.86		pP	02:56:55.411	0.3					T__				m_e	
BUG	77.46		P	02:56:17.793	-0.1	4.8		5.57		TAS				m_e	
CLL	77.34		P	02:56:16.969	-0.2	4.8		5.57		TAS		18.5	0.64	m_e mb	5.4
CLL	77.34		pP	02:57:09.537	0.3					T__				m_e	
CLZ	76.95		P	02:56:15.423	0.4	4.8		5.57		TAS		44.1	1.17	m_e mb	5.5
CLZ	76.95		pP	02:57:07.956	0.3					T__				m_e	

Station	Mag	Phase	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
FUR	80.58	P	02:56:34.922		4.8				5.57											
GRA1	79.06	P	02:56:27.174	0.4	4.8				5.57			29.8	0.66			m_e mb		5.5		
GTTG	77.27	P	02:56:16.969	0.2	4.8				5.57			38.1	1.14			m_e mb		5.4		
GTTG	77.27	pP	02:57:09.818	0.3												m_e				
IBBN	76.58	P	02:56:13.155	0.2	4.8				5.57			31.0	0.59			m_e mb		5.6		
MOX	78.08	P	02:56:21.092	-0.3	4.8				5.57			9.0	0.80			m_e mb		5.0		
MOX	78.08	pP	02:57:13.826	0.3												m_e				
NRDL	76.31	P	02:56:11.402	-0.1	4.8				5.57			27.6	1.24			m_e mb		5.2		
NRDL	76.31	pP	02:57:03.683	0.3												m_e				
RJOB	80.91	P	02:56:37.070	-0.6	4.8				5.57			8.6	0.79			m_e mb		4.8		
ROTZ	78.92	P	02:56:26.246	0.2	4.8				5.57			10.4	0.85			m_e mb		4.9		
STU	80.07	P	02:56:32.225	-0.2	4.8				5.57							m_e				
TANN	78.26	P	02:56:22.432	0.1	4.8				5.57			15.9	1.15			m_e mb		5.0		
TNS	78.65	P	02:56:24.494	0.0	4.8				5.57			15.9	0.79			m_e mb		5.1		
WET	79.50	P	02:56:29.298	0.3	4.8				5.57							m_e				
WLF	79.26	P	02:56:28.102	-0.0	4.8				5.57			13.9	0.97			m_e mb		5.0		

Event 10505002 Near west coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	03:05:28.61			38.0570	139.8350				33.0					81.56	81.56	m i ke	BGR
OrigID 10505008																	

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 10505008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.56		P	03:17:41.733		36.3		4.21		TAS		18.5	1.31	m_e mb	5.1

Event 10505005 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	13:24:26.73		0.28	17.2690	-97.0890				33.0				305	88.32	88.32	m i ke	BGR
OrigID 10505011																	

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 10505011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.32		P	13:37:14.565		288.0		5.01		TAS		11.7	0.91	m_e mb	5.2

Event 10505006 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	14:12:59.97		0.28	54.7400	-160.6500				63.1	1.0		20	305	71.43	77.75	m i ke	BGR
OrigID 10505012																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	10505012
MBB	6.4		BGR	10505012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.59		P	14:24:33.822	0.0	355.3		5.78		TAS		182.3	1.05	a_e	MBB 6.3
BFO	76.88		P	14:24:47.013	-0.1	355.3		5.78		TAS		133.0	1.12	m_e	MBB 6.3
BRG	74.66		P	14:24:34.204	0.0	355.3		5.78		TAS		232.7	1.08	m_e	MBB 6.3
BSEG	71.43		P	14:24:15.510	-0.1	355.3		5.78		TAS		303.6	1.03	m_e	MBB 6.6
BSEG	71.43		pP	14:24:32.528	-0.3					T__				m_e	
BUG	73.71		P	14:24:28.762	-0.5	355.3		5.78		TAS		371.8	1.05	m_e	MBB 6.5
BUG	73.71		pP	14:24:45.898	-0.3					T__				m_e	
CLL	74.19		P	14:24:31.308	-0.6	355.3		5.78		TAS		220.4	1.04	m_e	MBB 6.3
CLL	74.19		pP	14:24:48.531	-0.3					T__				m_e	
CLZ	73.53		P	14:24:28.236	0.7	355.3		5.78		TAS		374.3	1.15	m_e	MBB 6.5
FUR	77.25		P	14:24:49.263	0.1	355.3		5.78		TAS		365.2	1.33	m_e	MBB 6.5
GRA1	75.72		P	14:24:40.522	0.1	355.3		5.78		TAS		284.0	1.21	a_e	MBB 6.5
GTTG	73.80		P	14:24:29.728	0.3	355.3		5.78		TAS		394.6	1.06	m_e	MBB 6.5
GTTG	73.80		pP	14:24:47.037	-0.3					T__				m_e	
IBBN	72.89		P	14:24:24.078	0.1	355.3		5.78		TAS		396.3	1.16	m_e	MBB 6.6
IBBN	72.89		pP	14:24:41.416	-0.3					T__				m_e	
MOX	74.79		P	14:24:34.822	-0.2	355.3		5.78		TAS		354.3	1.09	a_e	MBB 6.4
NRDL	72.86		P	14:24:23.472	-0.4	355.3		5.78		TAS		293.3	1.07	m_e	MBB 6.5
NRDL	72.86		pP	14:24:40.933	-0.3					T__				m_e	
RJOB	77.75		P	14:24:52.197	-0.3	355.3		5.78		TAS		241.9	0.91	m_e	MBB 6.4
ROTZ	75.69		P	14:24:40.472	0.3	355.3		5.78		TAS		202.6	1.16	a_e	MBB 6.4
STU	76.51		P	14:24:44.935	-0.3	355.3		5.78		TAS		213.5	1.10	m_e	MBB 6.3
TANN	75.06		P	14:24:36.730	0.4	355.3		5.78		TAS				m_e	
TNS	75.01		P	14:24:36.222	-0.1	355.3		5.78		TAS		243.6	1.10	a_e	MBB 6.3
WET	76.35		P	14:24:44.172	0.2	355.3		5.78		TAS		186.2	1.24	a_e	MBB 6.3
WLF	75.38		P	14:24:38.672	0.3	355.3		5.78		TAS		305.0	1.14	a_e	MBB 6.4

Event 10505007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	14:58:44.21		0.28	40.2300	143.4900				42.4	1.0		20	305	77.93	83.29	m i ke	BGR
OrigID 10505013																	

Magnitude	Err	Nsta	Author	OrigID

mb	5.9	BGR	10505013
MBB	6.3	BGR	10505013
Ms	6.0	BGR	10505013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.87		P	15:10:48.257	-0.2	35.2		5.30		TAS		103.5	1.33	m_e	MBB 6.3
BFO	83.29		P	15:10:55.733	-0.3	35.2		5.30		TAS		300.0	1.31	m_e	MBB 6.7
BRG	79.11		P	15:10:33.741	-0.8	35.2		5.30		TAS		134.2	1.47	m_e	MBB 6.2
BRG	79.11		pP	15:10:46.277	-0.0					T__				m_e	
BSEG	77.93		P	15:10:27.655	0.1	35.2		5.30		TAS		162.3	1.33	m_e	MBB 6.5
BSEG	77.93		pP	15:10:39.662	-0.0					T__				m_e	
BUG	81.04		P	15:10:43.952	-0.1	35.2		5.30		TAS		117.2	1.35	m_e	MBB 6.2
CLL	79.12		P	15:10:33.454	-0.5	35.2		5.30		TAS		127.7	1.24	m_e	MBB 6.3
CLL	79.12		pP	15:10:45.787	-0.0					T__				m_e	
CLZ	79.64		P	15:10:36.849	0.3	35.2		5.30		TAS		165.4	1.37	m_e	MBB 6.2
FUR	82.33		P	15:10:50.749	-0.2	35.2		5.30		TAS		285.5	1.34	m_e	MBB 6.5
GRA1	81.10		P	15:10:44.632	0.2	35.2		5.30		TAS		234.2	1.38	m_e	mb 6.0
GRA1	81.10		L	15:48:32.701						T__		7581.6	21.90	a_e	Ms 6.0
GTTG	80.02		P	15:10:38.914	0.5	35.2		5.30		TAS		121.1	1.38	m_e	MBB 6.2
IBBN	80.15		P	15:10:39.496	0.1	35.2		5.30		TAS		223.1	1.48	m_e	MBB 6.3
MOX	80.17		P	15:10:39.572	0.1	35.2		5.30		TAS		107.1	1.40	m_e	MBB 6.1
MOX	80.17		L	15:48:14.946						T__		6073.1	21.30	a_e	Ms 5.9
NRDL	79.19		P	15:10:34.210	-0.1	35.2		5.30		TAS		111.0	1.47	m_e	MBB 6.2
NRDL	79.19		pP	15:10:46.349	-0.0					T__				m_e	
RJOB	82.09		P	15:10:49.994	0.4	35.2		5.30		TAS		183.2	1.24	m_e	MBB 6.5
RJOB	82.09		pP	15:11:02.173	-0.0					T__				m_e	
ROTZ	80.67		P	15:10:42.517	0.4	35.2		5.30		TAS		157.1	1.45	m_e	MBB 6.3
STU	82.61		P	15:10:52.184	-0.2	35.2		5.30		TAS		233.4	1.49	m_e	MBB 6.6
TANN	80.04		P	15:10:38.741	-0.1	35.2		5.30		TAS		89.6	1.53	m_e	MBB 6.1
TNS	81.66		P	15:10:47.426	0.0	35.2		5.30		TAS		110.0	1.48	m_e	MBB 6.3
WET	80.91		P	15:10:43.725	0.3	35.2		5.30		TAS		141.1	1.49	m_e	MBB 6.2
WLF	82.93		P	15:10:54.472	-0.0	35.2		5.30		TAS		204.4	1.47	m_e	MBB 6.4

Event 10505008 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	15:06:23.07		0.28	51.6560	-177.9580				33.0				305	78.73	78.73	m i ke	BGR
	10505014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10505014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.73		P	15:18:08.551		4.0		4.68		TAS		32.0	0.90	m_e	mb 5.4

Event 10505009 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	16:33:18.65		0.28	-27.5000	-177.5000				33.0			18	305	152.97	158.72	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	158.72		PKPdf	16:34:57.390		16.7				TAS					m_e
BRG	155.09		PKPdf	16:34:52.714	-0.0	16.7				TAS					m_e
BRG	155.09		PKPbc	16:35:00.514	0.0	16.7		2.23		TAS					m_e
BSEG	152.97		PKPdf	16:34:49.518		16.7				TAS					m_e
BSEG	152.97		PKPbc	16:34:55.439		16.7		2.23		TAS					m_e
BUG	155.82		PKPbc	16:35:01.361		16.7		2.23		TAS					m_e
CLL	154.93		PKPdf	16:34:52.404	-0.0	16.7				TAS					m_e
CLL	154.93		PKPbc	16:34:59.994	0.0	16.7		2.23		TAS					m_e
CLZ	154.97		PKPdf	16:34:52.611	-0.2	16.7				TAS					m_e
CLZ	154.97		PKPbc	16:35:00.174	-0.5	16.7		2.23		TAS					m_e
FUR	158.27		PKPdf	16:34:56.631	-0.2	16.7				TAS					m_e
GTTG	155.33		PKPdf	16:34:53.332	-0.0	16.7				TAS					m_e
GTTG	155.33		PKPbc	16:35:00.861	0.2	16.7		2.23		TAS					m_e
IBBN	154.91		PKPdf	16:34:52.796		16.7				TAS					m_e
IBBN	154.91		PKPbc	16:35:00.011		16.7		2.23		TAS					m_e
MOX	155.87		PKPdf	16:34:53.538	0.2	16.7				TAS					m_e
MOX	155.87		PKPbc	16:35:01.704	-0.1	16.7		2.23		TAS					m_e
NRDL	154.39		PKPdf	16:34:51.477		16.7				TAS					m_e
NRDL	154.39		PKPbc	16:34:58.474		16.7		2.23		TAS					m_e
RJOB	158.25		PKPdf	16:34:56.954		16.7				TAS					m_e
ROTZ	156.55		PKPdf	16:34:54.837		16.7				TAS					m_e
STU	158.14		PKPdf	16:34:56.631		16.7				TAS					m_e
TANN	155.89		PKPdf	16:34:53.951	0.2	16.7				TAS					m_e
TANN	155.89		PKPbc	16:35:02.090	-0.3	16.7		2.23		TAS					m_e
TNS	156.86		PKPdf	16:34:55.324		16.7				TAS					m_e
WET	156.95		PKPdf	16:34:55.291	0.1	16.7				TAS					m_e
WLF	157.69		PKPbc	16:35:06.330		16.7		2.23		TAS					m_e

Event 10505010 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	16:57:38.18		0.28	55.2800	-161.2600				44.7	0.6		20	305	70.93	77.23	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	6.1	BGR	10505016
MBB	6.4	BGR	10505016
Ms	5.3	BGR	10505016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.10		P	17:09:10.311	0.0	355.7		5.82		TAS		172.4	1.27	m_e	MBB 6.3
AHRW	74.10		pP	17:09:23.238	-0.3					T__				m_e	
BFO	76.39		P	17:09:23.346	-0.3	355.7		5.82		TAS		149.3	1.36	m_e	MBB 6.2
BRG	74.14		P	17:09:10.433	-0.1	355.7		5.82		TAS		167.8	1.13	m_e	MBB 6.3
BSEG	70.93		P	17:08:51.733	-0.2	355.7		5.82		TAS		240.6	1.13	m_e	MBB 6.6
BUG	73.22		P	17:09:04.996	-0.3	355.7		5.82		TAS		218.8	1.01	m_e	MBB 6.5
BUG	73.22		pP	17:09:17.787	-0.3					T__				m_e	
CLL	73.67		P	17:09:07.387	-0.5	355.7		5.82		TAS		141.0	0.92	m_e	MBB 6.3
CLZ	73.02		P	17:09:04.002	0.2	355.7		5.82		TAS		412.1	1.53	m_e	MBB 6.6
FUR	76.74		P	17:09:25.600	-0.1	355.7		5.82		TAS		200.5	1.09	m_e	MBB 6.6
GRA1	75.21		P	17:09:17.011	0.2	355.7		5.82		TAS		203.3	1.18	m_e	mb 6.0
GRA1	75.21		L	17:41:36.293						T__		1908.2	21.40	a_e	Ms 5.4
GTTG	73.29		P	17:09:05.907	0.5	355.7		5.82		TAS		318.9	1.32	m_e	MBB 6.6
IBBN	72.39		P	17:09:00.382	-0.0	355.7		5.82		TAS		261.8	1.18	m_e	MBB 6.6
MOX	74.28		P	17:09:11.468	0.1	355.7		5.82		TAS		202.3	1.03	m_e	MBB 6.4
MOX	74.28		L	17:41:07.591						T__		1656.7	21.80	a_e	Ms 5.3
NRDL	72.36		P	17:09:00.139	-0.1	355.7		5.82		TAS		192.1	1.10	m_e	MBB 6.5
RJOB	77.23		P	17:09:28.524	-0.1	355.7		5.82		TAS		147.5	0.92	m_e	MBB 6.3
RJOB	77.23		pP	17:09:41.122	-0.3					T__				m_e	
ROTZ	75.18		P	17:09:17.011	0.4	355.7		5.82		TAS		158.3	1.18	m_e	MBB 6.3
STU	76.01		P	17:09:21.214	-0.3	355.7		5.82		TAS		174.1	1.26	m_e	MBB 6.4
TANN	74.55		P	17:09:12.991	0.1	355.7		5.82		TAS		225.3	1.61	m_e	MBB 6.3
TNS	74.52		P	17:09:12.930	0.1	355.7		5.82		TAS		161.7	1.11	m_e	MBB 6.3
WET	75.83		P	17:09:20.605	0.2	355.7		5.82		TAS		191.0	1.42	m_e	MBB 6.4
WLF	74.90		P	17:09:15.184	0.3	355.7		5.82		TAS		238.6	1.27	m_e	MBB 6.3
WLF	74.90		pP	17:09:27.921	-0.3					T__				m_e	

Event 10505011 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	17:04:32.64		0.28	37.1900	140.6000				33.0			20	305	79.63	84.85	m i ke	BGR
OrigID 10505017																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10505017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.54		P	17:16:57.796	-0.2	38.6		5.22		TAS		28.6	1.22	m_e	mb 5.4
BFO	84.85		P	17:17:05.127		38.6		5.22		TAS		55.1	0.91	m_e	mb 5.8
BRG	80.59		P	17:16:42.661	0.0	38.6		5.22		TAS		32.2	0.99	m_e	mb 5.3
BSEG	79.63		P	17:16:37.774	0.0	38.6		5.22		TAS		37.2	1.05	m_e	mb 5.2

BUG	82.74	P	17:16:53.404		38.6	5.22	TAS	24.2	0.71	m_e	mb	5.5	
CLL	80.64	P	17:16:42.661	-0.1	38.6	5.22	TAS	55.7	0.93	m_e	mb	5.6	
CLZ	81.25	P	17:16:46.445	0.2	38.6	5.22	TAS	38.9	1.01	m_e	mb	5.4	
FUR	83.79	P	17:16:59.424		38.6	5.22	TAS	73.2	0.85	m_e	mb	5.9	
GRA1	82.61	P	17:16:53.776	-0.3	38.6	5.22	TAS	58.8	0.96	m_e	mb	5.8	
GTTG	81.64	P	17:16:48.652	0.3	38.6	5.22	TAS	24.0	0.95	m_e	mb	5.3	
IBBN	81.86	P	17:16:49.283	-0.1	38.6	5.22	TAS	44.7	0.85	m_e	mb	5.6	
MOX	81.71	P	17:16:48.652	-0.4	38.6	5.22	TAS	19.3	0.98	m_e	mb	5.2	
NRDL	80.84	P	17:16:44.080	-0.0	38.6	5.22	TAS	21.2	0.95	m_e	mb	5.1	
RJOB	83.47	P	17:16:57.481		38.6	5.22	TAS	34.0	0.99	m_e	mb	5.5	
ROTZ	82.15	P	17:16:51.411	0.1	38.6	5.22	TAS	34.8	1.17	m_e	mb	5.4	
STU	84.15	P	17:17:01.335		38.6	5.22	TAS	57.8	1.08	m_e	mb	5.7	
TANN	81.54	P	17:16:47.548	0.5	38.6	5.22	TAS	13.0	1.02	m_e	mb	5.0	
TNS	83.28	P	17:16:56.919		38.6	5.22	TAS	17.0	1.00	m_e	mb	5.2	
WET	82.35	P	17:16:51.773		38.6	5.22	TAS			m_e			
WLF	84.60	P	17:17:03.626		38.6	5.22	TAS	87.2	1.97	m_e	mb	5.6	

Event 10505012 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
2011/05/05	18:36:30.64		0.28	36.5480	140.8060				33.0				305	83.25	83.25	m i ke	BGR
10505018																	

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 10505018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	83.25		P	18:48:52.646		43.9		4.47		TAS		57.3	1.67	m_e	mb	5.5

Event 10505013 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/05	23:21:28.32		0.28	28.0950	130.2660				10.2				305	85.55	85.55	m i ke	BGR
10505019																	

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 10505019
 Ms 5.5 BGR 10505019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	85.55		P	23:34:04.796		58.6		4.59		TAS		36.7	0.97	m_e	mb	5.5	
GRA1	85.55		pP	23:34:07.754						T__				m_e			
GRA1	85.55		L	00:16:18.481						T__		2067.0	19.40	a_e	Ms	5.5	

Event 10506001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/06	05:14:59.64			40.8400	144.3100				33.0			14		78.68	83.05	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10506007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.04		P	05:27:00.904	0.1	33.8		5.34		TAS		12.2	1.23	m_e mb	4.8
BFO	83.05		P	05:27:22.000		33.8		5.34		TAS		14.6	1.32	m_e mb	5.0
BRG	78.89		P	05:26:59.970	-0.0	33.8		5.34		TAS		9.6	0.78	m_e mb	5.0
CLL	78.89		P	05:26:59.932	0.3	33.8		5.34		TAS		19.6	0.83	m_e mb	5.3
FBE	79.07		P	05:27:01.386	0.5	33.8		5.34		TAS		14.8	0.76	m_e mb	5.1
FLT1	78.68		P	05:26:58.720	0.1	33.8		5.34		TAS		18.6	0.80	m_e mb	5.3
GEC2	80.63		P	05:27:08.991		33.8		5.34		TAS		5.5	0.83	m_e mb	4.5
GRA1	80.87		P	05:27:11.143		33.8		5.34		TAS		27.7	0.79	m_e mb	5.2
GUNZ	79.91		P	05:27:05.518		33.8		5.34		TAS		8.7	1.05	m_e mb	4.7
MANZ	80.30		P	05:27:07.722		33.8		5.34		TAS		6.2	0.70	m_e mb	4.7
MOX	79.93		P	05:27:05.668		33.8		5.34		TAS		6.7	0.90	m_e mb	4.7
RJOB	81.88		P	05:27:16.178		33.8		5.34		TAS		15.4	0.90	m_e mb	5.0
ROTZ	80.44		P	05:27:08.874		33.8		5.34		TAS		9.9	1.18	m_e mb	4.6
WET	80.70		P	05:27:09.888		33.8		5.34		TAS		9.8	1.16	m_e mb	4.6

Event 10506004 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/06	23:44:54.59	0.41	1.12	45.0080	15.1120	5.6	4.4	24	10.0			26	290	1.55	7.74	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	10506010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	7.74		Sg	23:49:02.761	2.8					T__				m_e ML	4.7
ARSA	2.26		Sg	23:46:04.558	-1.8					T__				m_e	
ARSA	2.26		Pn	23:45:30.654	-0.3					T__				m_e ML	3.6
BALST	5.65		Sg	23:47:56.682	2.8					T__				m_e	
BALST	5.65		Pn	23:46:16.477	-0.2					T__				m_e ML	4.7
BFO	5.73		Sg	23:47:54.680	-1.6					T__				m_e	
BFO	5.73		Pn	23:46:17.451	-0.3					T__				m_e ML	4.7

BRG	5.92	Pn	23:46:19.790	-0.5	T__	m_e	
CLL	6.46	Sg	23:48:19.056	-0.4	T__	m_e	
CLL	6.46	Pn	23:46:27.541	-0.0	T__	m_e ML	4.7
CLZ	7.53	Sg	23:48:53.299	0.0	T__	m_e	
CLZ	7.53	Pn	23:46:42.906	1.0	T__	m_e ML	4.8
DAVA	4.29	Sg	23:47:11.915	1.2	T__	m_e	
DAVA	4.29	Pn	23:45:59.149	0.8	T__	m_e ML	4.7
FUR	4.12	Sg	23:47:03.329	-1.9	T__	m_e	
FUR	4.12	Pn	23:45:56.200	0.2	T__	m_e ML	4.9
GEC2	3.96	Pn	23:45:53.945	0.1	T__	m_e ML	4.2
GRA1	5.38	Pn	23:46:12.257	-0.8	T__	m_e	
GTTG	7.39	Pn	23:46:41.461	1.4	T__	m_e	
KBA	2.41	Pn	23:45:33.362	0.4	T__	m_e ML	4.0
MOA	2.90	Pn	23:45:39.871	0.2	T__	m_e ML	3.9
MOX	6.11	Sg	23:48:10.165	1.8	T__	m_e	
MOX	6.11	Pn	23:46:22.651	-0.2	T__	m_e ML	4.4
OBKA	1.55	Sg	23:45:43.991	0.1	T__	m_e	
OBKA	1.55	Pn	23:45:20.804	-0.6	T__	m_e ML	4.5
RJOB	3.17	Pn	23:45:44.080	0.9	T__	m_e ML	4.3
ROTZ	5.15	Sg	23:47:39.703	1.6	T__	m_e	
ROTZ	5.15	Pn	23:46:09.719	-0.2	T__	m_e ML	4.4
SLE	5.35	Sg	23:47:42.877	-1.3	T__	m_e	
SLE	5.35	Pn	23:46:12.164	-0.4	T__	m_e ML	4.6
STU	5.53	Sg	23:47:49.317	-0.8	T__	m_e	
STU	5.53	Pn	23:46:14.849	-0.2	T__	m_e ML	5.0
SULZ	5.47	Sg	23:47:46.450	-1.6	T__	m_e	
SULZ	5.47	Pn	23:46:13.989	-0.2	T__	m_e ML	4.9
TANN	5.70	Pn	23:46:16.825	-0.5	T__	m_e	
TNS	6.89	Sg	23:48:34.159	1.1	T__	m_e ML	4.7
WET	4.41	Pn	23:46:00.012	0.1	T__	m_e	
WILA	4.93	Sg	23:47:29.326	-1.8	T__	m_e	
WILA	4.93	Pn	23:46:07.440	0.4	T__	m_e ML	4.9
WTTA	3.31	Sg	23:46:38.389	-1.1	T__	m_e ML	4.6

Event 10507002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/07	04:34:59.52		0.88	39.8900	143.4200				33.0			13	201	79.21	83.56	m i ke	BGR
10507008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10507008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.56		P	04:47:24.045		34.9		5.29		TAS		4.8	0.89	m_e mb	4.7
BRG	79.38		P	04:47:02.532	0.2	34.9		5.29		TAS		2.0	0.80	m_e mb	4.2

CLL	79.39	P	04:47:01.230	0.7	34.9	5.29	TAS	4.2	0.95	m_e	mb	4.4
CLZ	79.91	P	04:47:05.992	0.4	34.9	5.29	TAS	6.8	1.10	m_e	mb	4.5
FBE	79.57	P	04:47:03.832	-0.5	34.9	5.29	TAS	3.6	0.78	m_e	mb	4.4
FLT1	79.21	P	04:47:01.124	0.3	34.9	5.29	TAS	3.6	0.81	m_e	mb	4.4
GEC2	81.10	P	04:47:11.118		34.9	5.29	TAS	1.9	0.79	m_e	mb	4.2
GRA1	81.37	P	04:47:13.323		34.9	5.29	TAS	6.8	0.86	m_e	mb	4.7
GUNZ	80.40	P	04:47:08.160		34.9	5.29	TAS	3.6	1.04	m_e	mb	4.2
MANZ	80.79	P	04:47:10.360		34.9	5.29	TAS	1.7	0.79	m_e	mb	4.1
RJOB	82.35	P	04:47:18.203		34.9	5.29	TAS	5.4	0.84	m_e	mb	4.7
ROTZ	80.93	P	04:47:11.384		34.9	5.29	TAS	3.1	1.10	m_e	mb	4.2
WET	81.18	P	04:47:12.502		34.9	5.29	TAS	1.5	0.81	m_e	mb	4.1

Event 10507005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/07	20:52:26.27		0.82	41.3980	142.9480				33.0			30	201	76.67	82.07	m i ke	BGR
OrigID 10507011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10507011
Ms	5.4		BGR	10507011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.64	P		21:04:33.803	-0.1	34.7		5.43		TAS		19.5	0.99	m_e	mb	5.1
ASSE	78.07	P		21:04:20.087	0.3	34.7		5.43		TAS		119.3	2.21	m_e	mb	5.6
BFO	82.07	P		21:04:41.451		34.7		5.43		TAS		196.6	2.26	m_e	mb	5.8
BRG	77.90	P		21:04:18.946	0.0	34.7		5.43		TAS		184.3	2.39	m_e	mb	5.8
BUG	79.81	P		21:04:29.363	-0.0	34.7		5.43		TAS		43.1	1.25	m_e	mb	5.2
CLL	77.90	P		21:04:18.697	0.0	34.7		5.43		TAS		41.1	1.16	m_e	mb	5.4
CLZ	78.41	P		21:04:22.252	0.3	34.7		5.43		TAS		47.9	1.17	m_e	mb	5.5
FBE	78.08	P		21:04:20.253	-0.2	34.7		5.43		TAS		52.0	1.22	m_e	mb	5.5
FLT1	77.71	P		21:04:17.618	-0.5	34.7		5.43		TAS		47.3	1.22	m_e	mb	5.5
FUR	81.12	P		21:04:36.522	0.1	34.7		5.43		TAS		60.2	1.10	m_e	mb	5.5
GEC2	79.62	P		21:04:28.304	-0.1	34.7		5.43		TAS		19.6	1.15	m_e	mb	4.9
GRA1	79.88	P		21:04:30.318	-0.2	34.7		5.43		TAS		100.8	1.31	m_e	mb	5.6
GRA1	79.88	L		21:42:32.888						T__		1752.2	21.10	a_e	Ms	5.4
GTTG	78.80	P		21:04:24.342	-0.0	34.7		5.43		TAS		38.6	1.24	m_e	mb	5.3
GUNZ	78.92	P		21:04:24.756	0.1	34.7		5.43		TAS		30.1	1.28	m_e	mb	5.2
IBBN	78.92	P		21:04:24.963	-0.1	34.7		5.43		TAS		48.0	1.29	m_e	mb	5.4
MANZ	79.31	P		21:04:26.844	-0.2	34.7		5.43		TAS		18.2	1.04	m_e	mb	5.0
MOX	78.95	P		21:04:24.736	0.0	34.7		5.43		TAS		26.9	1.20	m_e	mb	5.2
NEUB	78.44	P		21:04:21.918	-0.1	34.7		5.43		TAS		50.5	1.21	m_e	mb	5.5
NRDL	77.97	P		21:04:19.506	0.1	34.7		5.43		TAS		35.4	1.45	m_e	mb	5.3
PLN	78.88	P		21:04:24.657	0.1	34.7		5.43		TAS		63.4	1.71	m_e	mb	5.4
RJOB	80.88	P		21:04:35.464	-0.3	34.7		5.43		TAS		36.5	1.07	m_e	mb	5.3
ROTZ	79.45	P		21:04:28.048	0.3	34.7		5.43		TAS		47.6	1.34	m_e	mb	5.4

RUE	76.67	P	21:04:12.393	-0.5	34.7	5.43	TAS	82.5	1.44	m_e mb	5.7
STU	81.39	P	21:04:37.766	-0.3	34.7	5.43	TAS	33.1	1.07	m_e mb	5.3
TANN	78.83	P	21:04:24.120	0.2	34.7	5.43	TAS	50.7	1.84	m_e mb	5.2
TNS	80.44	P	21:04:32.878	0.2	34.7	5.43	TAS	28.2	1.48	m_e mb	5.0
WERD	78.86	P	21:04:24.340	0.4	34.7	5.43	TAS	119.9	2.27	m_e mb	5.5
WERN	78.96	P	21:04:25.047	0.5	34.7	5.43	TAS	26.3	1.16	m_e mb	5.2
WET	79.70	P	21:04:29.259	0.4	34.7	5.43	TAS	39.0	1.21	m_e mb	5.2
WLF	81.70	P	21:04:39.785		34.7	5.43	TAS	165.2	2.45	m_e mb	5.7

Event 10507006 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/07	23:18:33.56		0.82	38.5000	143.5000				33.0			20	201	80.47	84.82	m i ke	BGR
OrigID 10507012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10507012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.82	P		23:31:02.503		36.0		5.19		TAS		6.2	0.88	m_e mb	4.9
BUG	82.60	P		23:30:51.201		36.0		5.19		TAS		4.0	0.78	m_e mb	4.7
CLL	80.63	P		23:30:40.715	-0.1	36.0		5.19		TAS		5.5	0.85	m_e mb	4.6
CLZ	81.18	P		23:30:44.190	-0.5	36.0		5.19		TAS		5.4	0.87	m_e mb	4.6
FBE	80.81	P		23:30:42.156	-0.1	36.0		5.19		TAS		5.3	0.87	m_e mb	4.6
FLT1	80.47	P		23:30:39.853	0.2	36.0		5.19		TAS		6.3	0.78	m_e mb	4.6
GEC2	82.32	P		23:30:49.566		36.0		5.19		TAS		2.6	0.98	m_e mb	4.3
GRA1	82.61	P		23:30:51.834		36.0		5.19		TAS		4.6	0.83	m_e mb	4.7
GTTG	81.56	P		23:30:45.828	0.1	36.0		5.19		TAS		7.1	1.07	m_e mb	4.7
GUNZ	81.65	P		23:30:46.572	-0.1	36.0		5.19		TAS		1.6	0.72	m_e mb	4.2
IBBN	81.71	P		23:30:46.789	0.0	36.0		5.19		TAS		4.5	0.75	m_e mb	4.7
MANZ	82.03	P		23:30:48.431	-0.0	36.0		5.19		TAS		1.7	0.82	m_e mb	4.2
MOX	81.69	P		23:30:46.065	0.5	36.0		5.19		TAS		1.6	0.83	m_e mb	4.2
NEUB	81.19	P		23:30:43.915	0.2	36.0		5.19		TAS		7.0	0.85	m_e mb	4.7
NRDL	80.74	P		23:30:41.760	-0.1	36.0		5.19		TAS		2.0	0.70	m_e mb	4.3
RJOB	83.57	P		23:30:56.275		36.0		5.19		TAS		5.2	0.92	m_e mb	4.8
ROTZ	82.17	P		23:30:49.196	-0.3	36.0		5.19		TAS		1.4	0.86	m_e mb	4.1
STU	84.13	P		23:30:59.206		36.0		5.19		TAS		5.0	0.86	m_e mb	4.8
WERD	81.59	P		23:30:45.976	-0.2	36.0		5.19		TAS		1.4	0.76	m_e mb	4.2
WET	82.41	P		23:30:50.489		36.0		5.19		TAS		2.4	0.96	m_e mb	4.3

Event 10508001 Fiji Islands region

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

2011/05/08 00:09:08.56 0.82 -21.7300 -177.8000 500.0 12 201 148.66 152.69 m i ke BGR
10508007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	149.49		PKPbc	00:28:01.020	0.0	18.0		2.36		TAS				m_e	
CLL	149.30		PKPbc	00:28:00.313	-0.2	18.0		2.36		TAS				m_e	
CLZ	149.28		PKPbc	00:28:00.575		18.0		2.36		TAS				m_e	
FBE	149.58		PKPbc	00:28:01.559	0.4	18.0		2.36		TAS				m_e	
FLT1	148.66		PKPbc	00:27:58.451		18.0		2.36		TAS				m_e	
MANZ	150.74		PKPbc	00:28:04.135		18.0		2.36		TAS				m_e	
MOX	150.21		PKPbc	00:28:02.647		18.0		2.36		TAS				m_e	
PLN	150.25		PKPbc	00:28:02.858	0.1	18.0		2.36		TAS				m_e	
RJOB	152.69		PKPbc	00:28:08.372		18.0		2.36		TAS				m_e	
TANN	150.25		PKPbc	00:28:02.421	-0.3	18.0		2.36		TAS				m_e	
TNS	151.14		PKPbc	00:28:05.030		18.0		2.36		TAS				m_e	
WERD	150.26		PKPbc	00:28:02.437	0.2	18.0		2.36		TAS				m_e	

Event 10508003 Dodecanese Islands, Greece

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2011/05/08 06:50:19.48 0.77 36.5000 28.2400 33.0 31 209 15.01 21.42 m i ke BGR
10508009

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10508009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.70		P	06:54:58.635	-2.3	133.9		11.61		TAS		48.6	0.90	m_e mb	4.8
ASSE	19.97		P	06:54:51.513	1.4	133.9		11.61		TAS		66.6	1.17	m_e mb	4.8
BFO	18.80		P	06:54:37.076	3.0	133.9		11.61		TAS		51.3	1.04	m_e mb	4.7
BRG	17.65		P	06:54:26.507	2.2	133.9		11.61		TAS		56.1	1.20	m_e mb	4.6
BUG	21.12		P	06:55:03.289		133.9		11.61		TAS		37.8	0.94	m_e mb	4.7
CLL	18.37		P	06:54:33.041	0.7	133.9		11.61		TAS		39.3	1.13	m_e mb	4.4
CLZ	19.90		P	06:54:50.485	-0.3	133.9		11.61		TAS		41.0	1.01	m_e mb	4.6
FBE	17.94		P	06:54:27.956	0.2	133.9		11.61		TAS		50.8	1.12	m_e mb	4.6
FLT1	19.87		P	06:54:49.900	0.1	133.9		11.61		TAS		48.7	1.11	m_e mb	4.6
FUR	17.08		P	06:54:16.709	0.4	133.9		11.61		TAS		47.6	0.84	m_e mb	4.7
GEC2	16.29		P	06:54:05.558	-3.1	133.9		11.61		TAS		36.0	1.12	m_e mb	4.4
GTTG	19.89		P	06:54:49.964	-0.2	133.9		11.61		TAS		45.9	0.96	m_e mb	4.7
GUNZ	17.99		P	06:54:27.534	-0.9	133.9		11.61		TAS		27.2	0.98	m_e mb	4.3
IBBN	21.42		P	06:55:05.951		133.9		11.61		TAS		48.5	0.93	m_e mb	4.8
KSP	16.71		P	06:54:11.763	-0.4	133.9		11.61		TAS		413.7	1.74	m_e mb	5.3
MANZ	17.83		P	06:54:25.575	-1.0	133.9		11.61		TAS		56.7	1.21	m_e mb	4.6
MOX	18.51		P	06:54:35.192	1.6	133.9		11.61		TAS		62.1	1.13	m_e mb	4.7

NEUB	18.82	P	06:54:39.736	0.4	133.9	11.61	TAS	69.1	1.04	m_e	mb	4.8
NRDL	20.47	P	06:54:56.972	0.1	133.9	11.61	TAS	59.1	1.19	m_e	mb	4.7
OJC	15.01	P	06:53:51.027	1.3	133.9	11.61	TAS	351.4	1.66	m_e		
PLN	18.15	P	06:54:29.666	0.3	133.9	11.61	TAS	47.0	1.07	m_e		
RJOB	16.01	P	06:54:04.447	0.1	133.9	11.61	TAS	25.7	0.83	m_e		
ROTZ	17.63	P	06:54:23.331	-0.9	133.9	11.61	TAS	34.1	1.09	m_e		
RUE	18.95	P	06:54:41.485	-0.6	133.9	11.61	TAS	43.6	0.90	m_e		
STU	18.56	P	06:54:34.325	2.6	133.9	11.61	TAS	104.2	1.09	m_e		
TANN	17.96	P	06:54:27.760	-0.4	133.9	11.61	TAS	42.6	1.09	m_e		
TNS	19.80	P	06:54:48.773	-0.2	133.9	11.61	TAS	87.3	1.00	m_e		
WERD	18.06	P	06:54:28.377	-0.7	133.9	11.61	TAS	43.0	1.06	m_e		
WERN	17.91	P	06:54:26.537	-1.1	133.9	11.61	TAS	18.9	1.04	m_e		
WET	16.89	P	06:54:13.674	-1.9	133.9	11.61	TAS	43.2	1.12	m_e		
WLF	20.72	P	06:54:58.619	-1.0	133.9	11.61	TAS	73.7	1.05	m_e		

Event 10508004 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
2011/05/08	10:42:58.34		0.77	37.9830	141.3450				33.0			21	209	78.22	84.45	m i ke	BGR
OrigID 10508010																	

Magnitude Err Nsta Author OrigID
 mb 4.6 BGR 10508010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.45		P	10:55:23.086		37.5		5.24		TAS		8.9	0.88	m_e	mb 5.0
BRG	80.21		P	10:55:01.234	0.6	37.5		5.24		TAS		5.3	0.96	m_e	mb 4.4
CLL	80.25		P	10:55:00.859	-0.4	37.5		5.24		TAS		8.5	0.89	m_e	mb 4.7
CLZ	80.84		P	10:55:04.841	0.1	37.5		5.24		TAS		6.4	0.83	m_e	mb 4.7
FBE	80.41		P	10:55:02.456	0.3	37.5		5.24		TAS		5.8	0.72	m_e	mb 4.6
FLT1	80.13		P	10:55:00.226	0.1	37.5		5.24		TAS		7.7	0.86	m_e	mb 4.7
FUR	83.42		P	10:55:18.221		37.5		5.24		TAS		12.6	0.73	m_e	mb 5.2
GEC2	81.88		P	10:55:09.753		37.5		5.24		TAS		2.7	0.67	m_e	mb 4.5
GRA1	82.22		P	10:55:09.935		37.5		5.24		TAS		7.8	0.92	m_e	mb 4.8
GUNZ	81.25		P	10:55:06.844	0.4	37.5		5.24		TAS		2.7	0.76	m_e	mb 4.4
IBBN	81.42		P	10:55:07.415		37.5		5.24		TAS		9.5	0.67	m_e	mb 5.0
KSP	79.27		P	10:54:56.198	-0.4	37.5		5.24		TAS		6.7	0.65	m_e	mb 4.8
MANZ	81.64		P	10:55:08.659		37.5		5.24		TAS		2.9	0.72	m_e	mb 4.5
MOX	81.31		P	10:55:06.606	-0.2	37.5		5.24		TAS		2.2	0.70	m_e	mb 4.3
NEUB	80.82		P	10:55:03.460		37.5		5.24		TAS		15.4	1.11	m_e	mb 4.9
NRDL	80.42		P	10:55:02.117	0.2	37.5		5.24		TAS		4.5	0.73	m_e	mb 4.5
OJC	78.22		P	10:54:50.221	-0.3	37.5		5.24		TAS		17.5	1.08	m_e	mb 5.1
PLN	81.22		P	10:55:06.626		37.5		5.24		TAS		1.8	0.82	m_e	mb 4.1
RJOB	83.12		P	10:55:16.773		37.5		5.24		TAS		7.2	0.83	m_e	mb 4.9
ROTZ	81.77		P	10:55:09.753		37.5		5.24		TAS		2.1	0.74	m_e	mb 4.4
STU	83.76		P	10:55:19.292		37.5		5.24		TAS		11.4	1.04	m_e	mb 5.0

TANN	81.16	P	10:55:05.647	0.5	37.5	5.24	TAS	1.7	0.89	m_e	mb	4.1
WERD	81.20	P	10:55:06.391		37.5	5.24	TAS	3.8	1.08	m_e	mb	4.3
WERN	81.30	P	10:55:06.893	-0.3	37.5	5.24	TAS	4.3	0.92	m_e	mb	4.5

Event 10508005 Iran-Iraq border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/08	22:17:50.95		0.77	30.1740	48.9090				33.0			29	209	29.62	37.51	m i ke	BGR
OrigID 10508011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10508011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	37.18		P	22:24:59.507		110.4		8.64		TAS		2.8	0.85	m_e	mb	4.0
BRG	33.22		P	22:24:24.083	0.1	110.4		8.64		TAS		7.4	0.78	m_e	mb	4.7
BUG	37.34		P	22:25:00.353		110.4		8.64		TAS		7.1	0.80	m_e	mb	4.5
CLL	33.94		P	22:24:30.362	-0.0	110.4		8.64		TAS		11.0	0.88	m_e	mb	4.8
CLZ	35.66		P	22:24:45.540	0.6	110.4		8.64		TAS		32.4	0.76	m_e	mb	5.2
FBE	33.58		P	22:24:27.689	0.1	110.4		8.64		TAS		5.0	0.77	m_e	mb	4.5
FLT1	35.36		P	22:24:42.798	0.7	110.4		8.64		TAS		13.6	0.88	m_e	mb	4.9
FUR	33.84		P	22:24:30.632	-0.2	110.4		8.64		TAS		30.5	0.80	m_e	mb	5.3
GEC2	32.56		P	22:24:19.188	0.8	110.4		8.64		TAS		2.3	0.72	m_e	mb	4.2
GRA1	34.38		P	22:24:34.799	-1.0	110.4		8.64		TAS		13.5	0.77	m_e	mb	4.9
GTTG	35.79		P	22:24:46.853	0.5	110.4		8.64		TAS		9.4	0.89	m_e	mb	4.6
GUNZ	33.96		P	22:24:30.450	-0.3	110.4		8.64		TAS		2.7	0.75	m_e	mb	4.3
IBBN	37.34		P	22:25:00.530		110.4		8.64		TAS		13.6	0.79	m_e	mb	4.7
KSP	31.88		P	22:24:12.595	0.2	110.4		8.64		TAS		9.0	0.91	m_e	mb	4.7
MANZ	33.95		P	22:24:30.996	-0.6	110.4		8.64		TAS		3.8	0.85	m_e	mb	4.3
MOX	34.49		P	22:24:34.609	-0.2	110.4		8.64		TAS		2.7	0.83	m_e	mb	4.2
NEUB	34.61		P	22:24:36.266	0.2	110.4		8.64		TAS		12.2	0.75	m_e	mb	4.9
NRDL	36.06		P	22:24:49.444	-1.1	110.4		8.64		TAS		33.8	0.85	m_e	mb	5.2
OJC	29.62		P	22:23:52.734	-0.1	110.4		8.64		TAS		12.5	0.71	m_e	mb	4.8
PLN	34.11		P	22:24:31.933	0.0	110.4		8.64		TAS		1.6	0.73	m_e	mb	4.0
RJOB	32.73		P	22:24:21.114	-0.3	110.4		8.64		TAS		7.4	0.80	m_e	mb	4.7
ROTZ	33.81		P	22:24:29.926	0.8	110.4		8.64		TAS		7.3	0.86	m_e	mb	4.6
RUE	34.02		P	22:24:30.987	-0.4	110.4		8.64		TAS				m_e		
TANN	33.90		P	22:24:30.345	0.3	110.4		8.64		TAS		2.2	0.77	m_e	mb	4.1
TNS	36.24		P	22:24:50.779		110.4		8.64		TAS		4.3	0.75	m_e	mb	4.4
WERD	34.00		P	22:24:31.159	0.4	110.4		8.64		TAS				m_e		
WERN	33.90		P	22:24:30.855	-0.3	110.4		8.64		TAS		2.5	0.77	m_e	mb	4.2
WET	33.17		P	22:24:24.070	-0.4	110.4		8.64		TAS		7.3	1.04	m_e	mb	4.5
WLF	37.51		P	22:25:00.559		110.4		8.64		TAS		7.7	0.77	m_e	mb	4.5

Event 10509004 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/09	19:04:59.84		0.79	55.1900	-160.6200				35.1	5.3		24	196	70.98	77.30	m i ke	BGR
OrigID 10509010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10509010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.14		P	19:16:32.993		355.4		5.80		TAS		5.8	0.70	m_e mb	4.7
ASSE	72.80		P	19:16:25.000		355.4		5.80		TAS		12.9	0.97	m_e mb	5.0
BFO	76.44		P	19:16:45.159		355.4		5.80		TAS		5.3	0.83	m_e mb	4.7
BRG	74.21		P	19:16:33.043	-0.2	355.4		5.80		TAS		14.1	0.97	m_e mb	5.0
BSEG	70.98		P	19:16:14.342	0.4	355.4		5.80		TAS		15.9	0.91	m_e mb	5.1
BUG	73.26		P	19:16:27.387		355.4		5.80		TAS		13.2	0.87	m_e mb	5.1
CLL	73.74		P	19:16:30.161	-0.6	355.4		5.80		TAS		12.1	0.93	m_e mb	4.9
CLZ	73.08		P	19:16:26.856		355.4		5.80		TAS		23.3	1.11	m_e mb	5.2
FBE	74.14		P	19:16:32.937	-0.1	355.4		5.80		TAS		18.6	0.94	m_e mb	5.1
FLT1	72.64		P	19:16:23.453	-0.3	355.4		5.80		TAS		10.5	0.89	m_e mb	5.0
GEC2	76.23		P	19:16:44.833		355.4		5.80		TAS		9.1	1.06	m_e mb	4.8
GRA1	75.27		P	19:16:39.699		355.4		5.80		TAS		8.0	0.80	m_e mb	4.8
GTTG	73.34		P	19:16:28.598		355.4		5.80		TAS		28.7	1.04	m_e mb	5.3
IBBN	72.44		P	19:16:22.927		355.4		5.80		TAS		32.2	1.17	m_e mb	5.3
MANZ	75.02		P	19:16:37.776		355.4		5.80		TAS		19.7	1.38	m_e mb	5.0
MOX	74.34		P	19:16:34.001	0.5	355.4		5.80		TAS		19.0	1.00	m_e mb	5.1
NEUB	73.80		P	19:16:30.797	0.4	355.4		5.80		TAS		17.6	0.79	m_e mb	5.1
NRDL	72.41		P	19:16:22.591		355.4		5.80		TAS		16.0	0.98	m_e mb	5.1
NRDL	72.41		pP	19:16:34.142						T__				m_e	
PLN	74.52		P	19:16:34.670	0.1	355.4		5.80		TAS		6.5	0.93	m_e mb	4.6
PLN	74.52		pP	19:16:44.220						T__				m_e	
RJOB	77.30		P	19:16:51.097		355.4		5.80		TAS		11.8	0.79	m_e mb	5.1
RJOB	77.30		pP	19:17:00.751						T__				m_e	
ROTZ	75.24		P	19:16:39.538	-0.9	355.4		5.80		TAS				m_e	
TNS	74.56		P	19:16:35.214		355.4		5.80		TAS		6.7	0.82	m_e mb	4.7
WERN	74.73		P	19:16:36.535	0.3	355.4		5.80		TAS		11.5	1.08	m_e mb	4.8
WLF	74.93		P	19:16:37.751		355.4		5.80		TAS		9.2	0.90	m_e mb	4.8
WLF	74.93		pP	19:16:47.154						T__				m_e	

Event 10509005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/09	20:15:59.89		0.79	38.7000	143.8300				33.0			32	196	77.88	84.76	m i ke	BGR
OrigID 10509011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10509011
Ms	5.5		BGR	10509011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.35		P	20:28:24.434	0.2	35.3		5.26		TAS		111.2	1.21	m_e	mb 6.0
ASSE	80.77		P	20:28:10.856	0.3	35.3		5.26		TAS		76.3	1.21	m_e	mb 5.6
BFO	84.76		P	20:28:31.457		35.3		5.26		TAS		291.5	1.17	m_e	mb 6.4
BRG	80.57		P	20:28:09.774	-0.3	35.3		5.26		TAS		99.2	1.19	m_e	mb 5.7
BSEG	79.42		P	20:28:04.014	0.2	35.3		5.26		TAS		130.1	0.99	m_e	mb 5.9
BUG	82.53		P	20:28:19.966	0.4	35.3		5.26		TAS		78.9	0.95	m_e	mb 5.9
CLL	80.58		P	20:28:09.708	-0.1	35.3		5.26		TAS		143.1	0.98	m_e	mb 6.0
CLZ	81.12		P	20:28:13.047	-0.1	35.3		5.26		TAS		172.9	1.26	m_e	mb 5.9
FBE	80.76		P	20:28:11.085	-0.1	35.3		5.26		TAS		208.7	1.29	m_e	mb 6.0
FLT1	80.41		P	20:28:08.608	-0.1	35.3		5.26		TAS		135.4	1.03	m_e	mb 5.8
FUR	83.79		P	20:28:27.768	-0.2	35.3		5.26		TAS		298.8	1.03	m_e	mb 6.5
GEC2	82.28		P	20:28:18.633	0.1	35.3		5.26		TAS		88.9	1.35	m_e	mb 5.7
GRA1	82.56		L	21:10:30.096						T__		2316.6	18.10	a_e	Ms 5.6
GRA1	82.56		P	20:28:20.739	0.0	35.3		5.26		TAS		215.1	1.15	m_e	mb 6.3
GRA1	82.56		L	21:10:23.558						T__		1939.8	18.60	a_e	Ms 5.5
GTTG	81.50		P	20:28:14.945	-0.1	35.3		5.26		TAS		79.8	0.94	m_e	mb 5.8
GUNZ	81.60		P	20:28:15.406	0.3	35.3		5.26		TAS		86.4	1.11	m_e	mb 5.8
IBBN	81.64		P	20:28:15.577	0.1	35.3		5.26		TAS		127.3	1.05	m_e	mb 6.0
MANZ	81.99		P	20:28:17.400	0.5	35.3		5.26		TAS		67.0	0.97	m_e	mb 5.7
MOX	81.64		P	20:28:15.369	0.2	35.3		5.26		TAS		106.9	1.30	m_e	mb 5.8
NEUB	81.13		P	20:28:12.737	-0.1	35.3		5.26		TAS		171.6	1.02	m_e	mb 6.0
NRDL	80.67		P	20:28:10.322	0.2	35.3		5.26		TAS		53.6	1.08	m_e	mb 5.5
PLN	81.56		P	20:28:15.027	0.1	35.3		5.26		TAS		69.1	1.20	m_e	mb 5.7
RGN	77.88		P	20:27:55.516	-0.2	35.3		5.26		TAS		222.9	1.11	m_e	mb 6.2
RJOB	83.53		P	20:28:25.692	-0.0	35.3		5.26		TAS		223.4	1.08	m_e	mb 6.3
ROTZ	82.13		P	20:28:18.534	-0.3	35.3		5.26		TAS		188.3	1.49	m_e	mb 6.0
RUE	79.36		P	20:28:03.610	0.1	35.3		5.26		TAS		153.4	1.19	m_e	mb 5.9
STU	84.08		P	20:28:28.154	0.1	35.3		5.26		TAS		260.4	1.23	m_e	mb 6.3
TANN	81.51		P	20:28:14.684	0.2	35.3		5.26		TAS		113.9	1.76	m_e	mb 5.7
TNS	83.14		P	20:28:23.385	-0.0	35.3		5.26		TAS		145.3	1.65	m_e	mb 5.9
WERD	81.54		P	20:28:14.846	-0.1	35.3		5.26		TAS		74.0	1.25	m_e	mb 5.7
WERN	81.64		P	20:28:15.792	-0.1	35.3		5.26		TAS		92.9	1.05	m_e	mb 5.8
WET	82.37		P	20:28:19.454	-0.1	35.3		5.26		TAS		146.3	1.38	m_e	mb 5.9
WLF	84.41		P	20:28:30.145	-0.5	35.3		5.26		TAS		237.1	1.55	m_e	mb 6.2

Event 10510001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	07:16:14.65		0.79	37.7800	143.9500				33.0			33	196	78.74	85.62	m i ke	BGR
10510007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10510007
Ms	4.9		BGR	10510007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.22		P	07:28:44.022	0.1	35.7		5.19		TAS		98.3	1.20	a_e	mb	5.9
ASSE	81.63		P	07:28:30.463	-0.1	35.7		5.19		TAS		54.1	1.16	m_e	mb	5.6
BFO	85.62		P	07:28:50.822	-0.5	35.7		5.19		TAS		105.5	1.01	m_e	mb	5.9
BRG	81.42		P	07:28:29.372	-0.2	35.7		5.19		TAS		59.0	1.02	a_e	mb	5.6
BSEG	80.29		P	07:28:23.672	0.1	35.7		5.19		TAS		74.5	0.99	a_e	mb	5.6
BUG	83.40		P	07:28:39.522	-0.2	35.7		5.19		TAS		76.3	1.33	a_e	mb	5.8
CLL	81.43		P	07:28:29.222	-0.4	35.7		5.19		TAS		126.9	0.91	a_e	mb	5.9
CLZ	81.98		P	07:28:32.672	0.3	35.7		5.19		TAS		115.9	1.22	a_e	mb	5.9
FBE	81.61		P	07:28:30.672	0.2	35.7		5.19		TAS		108.1	0.93	a_e	mb	6.0
FLT1	81.27		P	07:28:28.172	-0.5	35.7		5.19		TAS		101.1	0.98	a_e	mb	5.8
FUR	84.63		P	07:28:46.122	-0.1	35.7		5.19		TAS		165.1	0.90	a_e	mb	6.3
GEC2	83.12		P	07:28:38.122	-0.2	35.7		5.19		TAS		32.8	0.90	a_e	mb	5.6
GRA1	83.41		P	07:28:40.322	0.5	35.7		5.19		TAS		166.0	1.35	a_e	mb	6.1
GRA1	83.41		L	08:09:29.279						T__		453.7	18.20	a_e	Ms	4.9
GTTG	82.36		P	07:28:34.672	0.3	35.7		5.19		TAS		63.3	0.95	a_e	mb	5.7
GUNZ	82.45		P	07:28:34.872	0.0	35.7		5.19		TAS		49.4	0.99	a_e	mb	5.6
HLG	80.90		P	07:28:26.886	0.2	35.7		5.19		TAS		109.3	1.35	m_e	mb	5.7
IBBN	82.51		P	07:28:35.140	0.1	35.7		5.19		TAS		81.0	0.77	m_e	mb	6.0
MANZ	82.83		P	07:28:36.929	0.1	35.7		5.19		TAS		36.7	0.94	m_e	mb	5.6
MOX	82.49		P	07:28:35.022	-0.1	35.7		5.19		TAS		50.4	1.13	a_e	mb	5.6
NEUB	81.99		P	07:28:32.222	-0.2	35.7		5.19		TAS		141.5	0.99	a_e	mb	6.1
NRDL	81.54		P	07:28:30.122	0.0	35.7		5.19		TAS		61.6	1.39	a_e	mb	5.5
PLN	82.41		P	07:28:34.653	-0.0	35.7		5.19		TAS		33.9	1.06	m_e	mb	5.4
RGN	78.74		P	07:28:15.422	-0.2	35.7		5.19		TAS		114.2	1.03	a_e	mb	5.8
RJOB	84.37		P	07:28:44.972	0.1	35.7		5.19		TAS		80.4	1.02	a_e	mb	5.9
ROTZ	82.97		P	07:28:38.172	0.6	35.7		5.19		TAS		99.7	1.48	a_e	mb	5.8
RUE	80.21		P	07:28:23.222	-0.1	35.7		5.19		TAS		147.3	1.39	a_e	mb	5.7
STU	84.93		P	07:28:47.472	-0.3	35.7		5.19		TAS		115.3	0.88	m_e	mb	6.1
TANN	82.36		P	07:28:34.372	-0.0	35.7		5.19		TAS		25.8	1.05	a_e	mb	5.3
TNS	84.00		P	07:28:42.972	0.1	35.7		5.19		TAS		35.5	0.97	a_e	mb	5.6
WERD	82.39		P	07:28:34.522	-0.0	35.7		5.19		TAS		37.9	1.11	a_e	mb	5.4
WERN	82.49		P	07:28:35.272	0.2	35.7		5.19		TAS		55.0	0.96	a_e	mb	5.7
WET	83.21		P	07:28:39.122	0.3	35.7		5.19		TAS		61.4	1.23	a_e	mb	5.7
WLF	85.28		P	07:28:49.423	-0.0	35.7		5.19		TAS		102.7	1.43	m_e	mb	5.9

Event 10510002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	08:30:37.12		0.79	39.0600	143.6200				33.0			28	196	78.97	84.37	m i ke	BGR

10510008

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10510008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.96		P	08:42:59.092	-0.4	35.5		5.26		TAS		34.6	1.53	a_e mb	5.4
BFO	84.37		P	08:43:06.192		35.5		5.26		TAS		46.7	1.09	m_e mb	5.6
BRG	80.18		P	08:42:44.345	0.2	35.5		5.26		TAS				m_e	
BSEG	79.03		P	08:42:38.542	-0.5	35.5		5.26		TAS		28.7	0.97	a_e mb	5.3
BUG	82.13		P	08:42:54.442	-0.1	35.5		5.26		TAS		20.1	1.06	a_e mb	5.2
CLL	80.19		P	08:42:44.192	0.4	35.5		5.26		TAS		28.8	1.19	a_e mb	5.1
CLZ	80.72		P	08:42:47.792	-0.1	35.5		5.26		TAS		35.8	1.41	a_e mb	5.2
FBE	80.37		P	08:42:45.742	0.3	35.5		5.26		TAS		57.5	1.29	a_e mb	5.3
FLT1	80.01		P	08:42:43.142	-0.4	35.5		5.26		TAS		21.6	0.96	a_e mb	5.1
FUR	83.39		P	08:43:01.392		35.5		5.26		TAS		68.1	1.39	a_e mb	5.7
GEC2	81.89		P	08:42:52.847	-0.0	35.5		5.26		TAS		14.0	1.31	m_e mb	4.9
GRA1	82.17		P	08:42:55.457	-0.1	35.5		5.26		TAS		29.6	1.00	m_e mb	5.4
GTTG	81.11		P	08:42:49.742	-0.0	35.5		5.26		TAS		16.4	0.94	a_e mb	5.0
GUNZ	81.20		P	08:42:49.992	0.4	35.5		5.26		TAS		14.9	1.02	a_e mb	5.0
IBBN	81.24		P	08:42:50.092	-0.3	35.5		5.26		TAS		27.0	0.94	a_e mb	5.3
MANZ	81.59		P	08:42:51.992	0.5	35.5		5.26		TAS		13.9	0.95	a_e mb	5.1
MOX	81.24		P	08:42:50.142	0.4	35.5		5.26		TAS		10.9	0.91	a_e mb	4.9
PLN	81.17		P	08:42:49.667	0.0	35.5		5.26		TAS		35.1	1.90	m_e mb	5.1
RJOB	83.14		P	08:43:00.242		35.5		5.26		TAS		42.0	1.01	a_e mb	5.6
ROTZ	81.73		P	08:42:51.935	-0.3	35.5		5.26		TAS		27.1	1.32	m_e mb	5.2
RUE	78.97		P	08:42:38.142	0.1	35.5		5.26		TAS				a_e	
STU	83.68		P	08:43:02.842		35.5		5.26		TAS		67.3	1.53	a_e mb	5.6
TANN	81.11		P	08:42:49.367	0.2	35.5		5.26		TAS		8.2	1.00	m_e mb	4.7
TNS	82.75		P	08:42:57.741	0.3	35.5		5.26		TAS		12.2	0.78	m_e mb	5.2
WERD	81.14		P	08:42:49.692	0.0	35.5		5.26		TAS		16.3	1.38	a_e mb	4.9
WERN	81.25		P	08:42:50.392	-0.7	35.5		5.26		TAS		16.4	0.92	a_e mb	5.1
WET	81.97		P	08:42:54.225	0.2	35.5		5.26		TAS		46.2	1.64	m_e mb	5.4
WLF	84.02		P	08:43:05.042		35.5		5.26		TAS		78.3	1.79	a_e mb	5.6

Event 10510003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	08:55:04.97		0.79	-22.1160	169.8970				33.0			31	196	144.56	149.98	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.59		PKPbc	09:14:48.153	-0.6	39.1		2.82		TAS				m_e	
ASSE	146.02		PKPbc	09:14:41.618	-0.6	39.1		2.82		TAS				m_e	
BFO	149.98		PKPbc	09:14:52.016		39.1		2.82		TAS				m_e	
BRG	145.70		PKPbc	09:14:39.670	0.4	39.1		2.82		TAS				m_e	

BSEG	144.66	PKPbc	09:14:36.994	-0.6	39.1	2.82	TAS	m_e
BUG	147.76	PKPbc	09:14:45.843	-0.4	39.1	2.82	TAS	m_e
CLL	145.77	PKPbc	09:14:39.668	-0.1	39.1	2.82	TAS	m_e
CLZ	146.36	PKPbc	09:14:41.087	0.1	39.1	2.82	TAS	m_e
FBE	145.92	PKPbc	09:14:40.717	0.9	39.1	2.82	TAS	m_e
FLT1	145.65	PKPbc	09:14:39.003	-0.2	39.1	2.82	TAS	m_e
FUR	148.89	PKPbc	09:14:48.443	0.7	39.1	2.82	TAS	m_e
GEC2	147.30	PKPbc	09:14:44.603	0.4	39.1	2.82	TAS	m_e
GRA1	147.74	PKPbc	09:14:45.817	-0.5	39.1	2.82	TAS	m_e
GTTG	146.75	PKPbc	09:14:43.044	0.1	39.1	2.82	TAS	m_e
GUNZ	146.76	PKPbc	09:14:42.396	0.1	39.1	2.82	TAS	m_e
IBBN	146.86	PKPbc	09:14:43.177	0.2	39.1	2.82	TAS	m_e
MANZ	147.15	PKPbc	09:14:43.839	0.3	39.1	2.82	TAS	m_e
MOX	146.84	PKPbc	09:14:43.032	0.1	39.1	2.82	TAS	m_e
NEUB	146.35	PKPbc	09:14:41.271	0.1	39.1	2.82	TAS	m_e
NRDL	145.92	PKPbc	09:14:40.449	-0.3	39.1	2.82	TAS	m_e
PLN	146.74	PKPbc	09:14:42.503	0.3	39.1	2.82	TAS	m_e
RJOB	148.52	PKPbc	09:14:47.406	-0.3	39.1	2.82	TAS	m_e
ROTZ	147.27	PKPbc	09:14:44.319	0.2	39.1	2.82	TAS	m_e
RUE	144.56	PKPbc	09:14:36.749	-0.1	39.1	2.82	TAS	m_e
STU	149.28	PKPbc	09:14:49.175	0.2	39.1	2.82	TAS	m_e
TANN	146.67	PKPbc	09:14:42.542	-0.1	39.1	2.82	TAS	m_e
TNS	148.38	PKPbc	09:14:46.832	0.0	39.1	2.82	TAS	m_e
WERD	146.71	PKPbc	09:14:42.596	-0.3	39.1	2.82	TAS	m_e
WERN	146.80	PKPbc	09:14:42.863	-0.2	39.1	2.82	TAS	m_e
WET	147.45	PKPbc	09:14:44.842	-0.0	39.1	2.82	TAS	m_e
WLF	149.65	PKPbc	09:14:51.851		39.1	2.82	TAS	m_e

Event 10510004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	10:24:16.75		0.79	-21.4900	169.5500				33.0			28	196	145.00	149.28	m i ke	BGR
10510010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.90		PKPbc	10:43:58.841		37.9		3.24		TAS					m_e
ASSE	145.32		PKPbc	10:43:49.896	0.1	37.9		3.24		TAS					m_e
BFO	149.28		PKPbc	10:44:02.173		37.9		3.24		TAS					m_e
BRG	145.00		PKPbc	10:43:48.736	-0.0	37.9		3.24		TAS					m_e
BUG	147.07		PKPbc	10:43:55.662	-0.1	37.9		3.24		TAS					m_e
CLL	145.07		PKPbc	10:43:48.795	0.2	37.9		3.24		TAS					m_e
CLZ	145.66		PKPbc	10:43:51.374	0.3	37.9		3.24		TAS					m_e
FBE	145.22		PKPbc	10:43:49.836	0.1	37.9		3.24		TAS					m_e
FUR	148.19		PKPbc	10:43:59.587		37.9		3.24		TAS					m_e

GEC2	146.59	PKPbc	10:43:54.350	-0.4	37.9	3.24	TAS	m_e
GRA1	147.04	PKPbc	10:43:56.127	0.1	37.9	3.24	TAS	m_e
GTTG	146.05	PKPbc	10:43:52.802	0.4	37.9	3.24	TAS	m_e
GUNZ	146.06	PKPbc	10:43:52.761	0.2	37.9	3.24	TAS	m_e
IBBN	146.17	PKPbc	10:43:52.866	0.5	37.9	3.24	TAS	m_e
MANZ	146.44	PKPbc	10:43:54.010	-0.3	37.9	3.24	TAS	m_e
MOX	146.14	PKPbc	10:43:52.714	0.1	37.9	3.24	TAS	m_e
NEUB	145.65	PKPbc	10:43:51.092	0.2	37.9	3.24	TAS	m_e
NRDL	145.22	PKPbc	10:43:49.415	0.1	37.9	3.24	TAS	m_e
PLN	146.04	PKPbc	10:43:52.570	-0.2	37.9	3.24	TAS	m_e
RJOB	147.81	PKPbc	10:43:58.109	-0.7	37.9	3.24	TAS	m_e
ROTZ	146.57	PKPbc	10:43:54.607	0.4	37.9	3.24	TAS	m_e
STU	148.58	PKPbc	10:44:00.606		37.9	3.24	TAS	m_e
TANN	145.97	PKPbc	10:43:52.327	0.3	37.9	3.24	TAS	m_e
TNS	147.69	PKPbc	10:43:58.166	0.1	37.9	3.24	TAS	m_e
WERD	146.01	PKPbc	10:43:52.417	-0.0	37.9	3.24	TAS	m_e
WERN	146.10	PKPbc	10:43:52.985	-0.2	37.9	3.24	TAS	m_e
WET	146.75	PKPbc	10:43:54.963	0.3	37.9	3.24	TAS	m_e
WLF	148.96	PKPbc	10:44:02.136		37.9	3.24	TAS	m_e

Event 10510005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	10:37:14.49		0.79	-20.6020	169.0380				33.0			18	196	144.06	148.28	m i ke	BGR
OrigID 10510011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.90		PKPbc	10:56:52.707	0.3	39.2		3.13		TAS					m_e
BFO	148.28		PKPbc	10:56:56.394		39.2		3.13		TAS					m_e
BUG	146.07		PKPbc	10:56:50.115	-0.1	39.2		3.13		TAS					m_e
CLL	144.06		PKPbc	10:56:43.303	-0.0	39.2		3.13		TAS					m_e
CLZ	144.66		PKPbc	10:56:45.638	0.0	39.2		3.13		TAS					m_e
FUR	147.18		PKPbc	10:56:53.707	-0.5	39.2		3.13		TAS					m_e
GEC2	145.59		PKPbc	10:56:48.448	-0.2	39.2		3.13		TAS					m_e
GRA1	146.03		PKPbc	10:56:50.350	-0.5	39.2		3.13		TAS					m_e
GTTG	145.05		PKPbc	10:56:47.187	0.5	39.2		3.13		TAS					m_e
IBBN	145.17		PKPbc	10:56:47.247	0.1	39.2		3.13		TAS					m_e
MOX	145.13		PKPbc	10:56:47.029	-0.1	39.2		3.13		TAS					m_e
RJOB	146.81		PKPbc	10:56:51.981	-0.0	39.2		3.13		TAS					m_e
ROTZ	145.56		PKPbc	10:56:48.860	0.5	39.2		3.13		TAS					m_e
STU	147.58		PKPbc	10:56:54.664		39.2		3.13		TAS					m_e
TANN	144.97		PKPbc	10:56:46.486	-0.3	39.2		3.13		TAS					m_e
TNS	146.69		PKPbc	10:56:52.189	0.2	39.2		3.13		TAS					m_e
WET	145.74		PKPbc	10:56:49.100	0.2	39.2		3.13		TAS					m_e

WLF 147.96 PKPbc 10:56:56.485 39.2 3.13 TAS m_e

Event 10510006 Southeast of Loyalty Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/05/10 10:44:04.28 0.79 -22.4400 170.0100 33.0 20 196 145.00 150.32 m i ke BGR
10510012

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 10510006.

Event 10510008 Loyalty Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/05/10 14:07:44.25 1.22 -20.9490 168.2880 10.0 13 155 143.98 148.29 m i ke BGR
10510014

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 10510008.

CLZ	144.70	PKPbc	14:27:19.134	0.3	40.6	3.18	TAS	m_e
GEC2	145.54	PKPbc	14:27:21.748		40.6	3.18	TAS	m_e
GRA1	146.03	PKPbc	14:27:23.541	0.6	40.6	3.18	TAS	m_e
IBBN	145.25	PKPbc	14:27:20.236		40.6	3.18	TAS	m_e
MOX	145.14	PKPbc	14:27:20.317	0.2	40.6	3.18	TAS	m_e
RJOB	146.75	PKPbc	14:27:24.870		40.6	3.18	TAS	m_e
ROTZ	145.55	PKPbc	14:27:22.119	0.7	40.6	3.18	TAS	m_e
TANN	144.96	PKPbc	14:27:19.666	0.1	40.6	3.18	TAS	m_e
TNS	146.72	PKPbc	14:27:25.600	0.3	40.6	3.18	TAS	m_e
WET	145.71	PKPbc	14:27:21.993	-0.5	40.6	3.18	TAS	m_e
WLF	148.02	PKPbc	14:27:29.702		40.6	3.18	TAS	m_e

Event 10510009 Priamurye-Northeastern China border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	15:26:07.44		1.22	43.7320	131.6920				549.8	7.0		19	155	70.59	75.70	m i ke	BGR
OrigID 10510015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10510015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.48		P	15:36:47.691	0.1	40.6		5.72		TAS		43.6	0.96	m_e mb	5.5
AHRW	74.48		sP	15:39:40.984						T__				m_e	
BFO	75.70		P	15:36:54.398		40.6		5.72		TAS		65.6	1.06	m_e mb	5.7
BFO	75.70		pP	15:38:49.869						T__				m_e	
BFO	75.70		sP	15:39:47.536						T__				m_e	
BRG	71.39		P	15:36:29.776	-0.3	40.6		5.72		TAS		24.4	0.65	m_e mb	5.5
BRG	71.39		sP	15:39:21.951						T__				m_e	
BSEG	70.59		P	15:36:25.482	0.2	40.6		5.72		TAS		64.8	0.95	m_e mb	5.7
BUG	73.69		P	15:36:42.804	-0.3	40.6		5.72		TAS		34.8	0.97	m_e mb	5.4
BUG	73.69		pP	15:38:37.241						T__				m_e	
BUG	73.69		sP	15:39:36.042						T__				m_e	
CLL	71.47		P	15:36:30.101	-0.4	40.6		5.72		TAS		72.2	1.05	m_e mb	5.7
CLL	71.47		pP	15:38:23.694	-0.1					T__				m_e	
CLZ	72.15		P	15:36:34.730	0.4	40.6		5.72		TAS		54.5	0.99	m_e mb	5.6
CLZ	72.15		pP	15:38:28.083	-0.0					T__				m_e	
CLZ	72.15		sP	15:39:26.639						T__				m_e	
FUR	74.58		P	15:36:48.518	0.2	40.6		5.72		TAS		91.1	1.13	m_e mb	5.7
GEC2	73.00		P	15:36:38.929	-0.3	40.6		5.72		TAS		14.4	0.84	m_e mb	5.1
GEC2	73.00		sP	15:39:30.538						T__				m_e	
GRA1	73.44		P	15:36:42.349	0.6	40.6		5.72		TAS		104.4	0.91	m_e mb	6.0
GRA1	73.44		pP	15:38:36.591						T__				m_e	
GRA1	73.44		sP	15:39:34.930						T__				m_e	
IBBN	72.83		P	15:36:38.152	0.1	40.6		5.72		TAS		52.7	1.18	m_e mb	5.5
MOX	72.55		P	15:36:36.551	-0.1	40.6		5.72		TAS		21.1	0.95	m_e mb	5.2

MOX	72.55	pP	15:38:31.056	-0.1						T__						m_e
MOX	72.55	sP	15:39:28.165							T__						m_e
NRDL	71.76	P	15:36:32.051	-0.1	40.6			5.72		TAS	37.4	1.01	m_e	mb		5.5
NRDL	71.76	pP	15:38:25.975	0.2						T__						m_e
NRDL	71.76	sP	15:39:24.292							T__						m_e
RJOB	74.23	P	15:36:46.528	0.2	40.6			5.72		TAS	35.6	0.98	m_e	mb		5.4
RJOB	74.23	pP	15:38:41.445							T__						m_e
RJOB	74.23	sP	15:39:39.814							T__						m_e
ROTZ	72.96	P	15:36:39.518	0.5	40.6			5.72		TAS	34.6	1.01	m_e	mb		5.4
ROTZ	72.96	sP	15:39:31.814							T__						m_e
STU	75.00	P	15:36:50.415	-0.3	40.6			5.72		TAS	46.6	1.02	m_e	mb		5.5
TANN	72.37	P	15:36:35.488	-0.2	40.6			5.72		TAS	15.6	0.93	m_e	mb		5.1
TANN	72.37	sP	15:39:27.474							T__						m_e
TNS	74.18	P	15:36:46.015	0.1	40.6			5.72		TAS	23.5	1.05	m_e	mb		5.1
WET	73.14	P	15:36:40.145	0.1	40.6			5.72		TAS	25.4	0.93	m_e	mb		5.3
WET	73.14	pP	15:38:34.549							T__						m_e
WET	73.14	sP	15:39:32.823							T__						m_e
WLF	75.53	sP	15:39:47.223							T__						m_e

Event 10510010 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/10	19:31:44.06		1.22	-20.8700	168.5500				33.0			16	155	145.00	148.32	m i ke	BGR
	10510016																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.98		PKPbc	19:51:26.723		39.0		3.11		TAS					m_e
BFO	148.32		PKPbc	19:51:29.950		39.0		3.11		TAS					m_e
BUG	146.16		PKPbc	19:51:23.465		39.0		3.11		TAS					m_e
FUR	147.20		PKPbc	19:51:27.206	0.4	39.0		3.11		TAS					m_e
GEC2	145.60		PKPbc	19:51:21.802	-0.4	39.0		3.11		TAS					m_e
GRA1	146.07		PKPbc	19:51:23.820	0.2	39.0		3.11		TAS					m_e
GTTG	145.11		PKPbc	19:51:20.718	-0.4	39.0		3.11		TAS					m_e
IBBN	145.26		PKPbc	19:51:20.689	-0.5	39.0		3.11		TAS					m_e
MOX	145.18		PKPbc	19:51:20.424	-0.0	39.0		3.11		TAS					m_e
RJOB	146.81		PKPbc	19:51:25.799		39.0		3.11		TAS					m_e
ROTZ	145.59		PKPbc	19:51:21.919	0.4	39.0		3.11		TAS					m_e
STU	147.62		PKPbc	19:51:28.258	-0.2	39.0		3.11		TAS					m_e
TANN	145.00		PKPbc	19:51:20.075	0.4	39.0		3.11		TAS					m_e
TNS	146.75		PKPbc	19:51:25.799	-0.4	39.0		3.11		TAS					m_e
WET	145.76		PKPbc	19:51:22.718	0.0	39.0		3.11		TAS					m_e
WLF	148.04		PKPbc	19:51:29.851		39.0		3.11		TAS					m_e

Event 10511001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	00:48:14.52		1.22	-18.3740	-179.3870				360.0				17 155	143.72	149.47	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.47		PKPbc	01:07:19.964		19.0		2.76		TAS					m_e
BRG	145.88		PKPbc	01:07:11.527	0.5	19.0		2.76		TAS					m_e
BSEG	143.72		PKPbc	01:07:04.085	-1.1	19.0		2.76		TAS					m_e
CLL	145.70		PKPbc	01:07:10.757	0.2	19.0		2.76		TAS					m_e
CLZ	145.73		PKPbc	01:07:10.256	-0.4	19.0		2.76		TAS					m_e
FUR	149.04		PKPbc	01:07:19.256		19.0		2.76		TAS					m_e
GEC2	147.81		PKPbc	01:07:16.550	-0.6	19.0		2.76		TAS					m_e
GRA1	147.61		PKPbc	01:07:16.024	0.1	19.0		2.76		TAS					m_e
GTTG	146.08		PKPbc	01:07:11.774	0.1	19.0		2.76		TAS					m_e
IBBN	145.68		PKPbc	01:07:10.787	0.1	19.0		2.76		TAS					m_e
MOX	146.63		PKPbc	01:07:13.257	0.4	19.0		2.76		TAS					m_e
NRDL	145.15		PKPbc	01:07:09.058	-0.0	19.0		2.76		TAS					m_e
RJOB	149.06		PKPbc	01:07:19.358		19.0		2.76		TAS					m_e
ROTZ	147.32		PKPbc	01:07:15.475	0.2	19.0		2.76		TAS					m_e
TANN	146.66		PKPbc	01:07:13.552	0.5	19.0		2.76		TAS					m_e
TNS	147.61		PKPbc	01:07:16.604	0.8	19.0		2.76		TAS					m_e
WLF	148.47		PKPbc	01:07:19.297	-1.0	19.0		2.76		TAS					m_e

Event 10511002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	01:20:14.30		1.22	38.4830	143.7360				43.2	3.6		20 155		79.58	84.92	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.52		P	01:32:35.854	0.1	35.6		5.21		TAS					m_e
AHRW	83.52		pP	01:32:48.322						T__					m_e
BFO	84.92		P	01:32:42.835		35.6		5.21		TAS					m_e
BFO	84.92		pP	01:32:54.919						T__					m_e
BRG	80.72		P	01:32:21.178	-0.2	35.6		5.21		TAS					m_e
BRG	80.72		pP	01:32:33.639						T__					m_e
BSEG	79.58		P	01:32:15.413	0.1	35.6		5.21		TAS					m_e
BUG	82.69		P	01:32:31.407	0.2	35.6		5.21		TAS					m_e

CLL	80.74	P	01:32:21.064	-0.4	35.6	5.21	TAS	m_e
CLL	80.74	pP	01:32:33.162				T__	m_e
CLZ	81.28	P	01:32:24.418	-0.1	35.6	5.21	TAS	m_e
FUR	83.94	P	01:32:38.226	-0.0	35.6	5.21	TAS	m_e
FUR	83.94	pP	01:32:50.270				T__	m_e
GEC2	82.43	P	01:32:29.944	0.2	35.6	5.21	TAS	m_e
GEC2	82.43	pP	01:32:42.512				T__	m_e
GRA1	82.72	P	01:32:31.993	-0.0	35.6	5.21	TAS	m_e
GRA1	82.72	pP	01:32:45.402				T__	m_e
GTTG	81.66	P	01:32:26.325	-0.2	35.6	5.21	TAS	m_e
IBBN	81.80	P	01:32:26.914	0.5	35.6	5.21	TAS	m_e
IBBN	81.80	pP	01:32:38.946				T__	m_e
MOX	81.79	P	01:32:26.778	0.0	35.6	5.21	TAS	m_e
MOX	81.79	pP	01:32:39.150				T__	m_e
RJOB	83.68	P	01:32:36.880	0.1	35.6	5.21	TAS	m_e
RJOB	83.68	pP	01:32:50.422				T__	m_e
ROTZ	82.28	P	01:32:29.971	-0.3	35.6	5.21	TAS	m_e
STU	84.23	P	01:32:39.621	0.0	35.6	5.21	TAS	m_e
TANN	81.66	P	01:32:26.197	0.1	35.6	5.21	TAS	m_e
TNS	83.30	P	01:32:34.728	0.0	35.6	5.21	TAS	m_e
WET	82.52	P	01:32:30.946	-0.1	35.6	5.21	TAS	m_e
WET	82.52	pP	01:32:43.384				T__	m_e
WLF	84.57	P	01:32:41.366	-0.4	35.6	5.21	TAS	m_e

Event 10511003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	03:12:58.59		1.22	-19.9170	170.6050				10.0				17	155	144.58	148.25	m i ke BGR
10511009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.77		PKPbc	03:32:41.300	-0.5	36.3		3.43		TAS					m_e
BFO	148.25		PKPbc	03:32:44.802		36.3		3.43		TAS					m_e
BUG	145.92		PKPbc	03:32:37.220	-0.6	36.3		3.43		TAS					m_e
CLZ	144.58		PKPbc	03:32:33.823	-0.8	36.3		3.43		TAS					m_e
FUR	147.24		PKPbc	03:32:42.796		36.3		3.43		TAS					m_e
GEC2	145.69		PKPbc	03:32:36.687	1.2	36.3		3.43		TAS					m_e
GRA1	146.04		PKPbc	03:32:37.886	0.7	36.3		3.43		TAS					m_e
GTTG	144.97		PKPbc	03:32:35.008	-0.5	36.3		3.43		TAS					m_e
IBBN	145.02		PKPbc	03:32:34.129	0.3	36.3		3.43		TAS					m_e
MOX	145.12		PKPbc	03:32:34.044	-0.8	36.3		3.43		TAS					m_e
RJOB	146.92		PKPbc	03:32:40.628	-0.7	36.3		3.43		TAS					m_e
ROTZ	145.59		PKPbc	03:32:35.954	-0.1	36.3		3.43		TAS					m_e
STU	147.56		PKPbc	03:32:43.942		36.3		3.43		TAS					m_e

TANN	144.98	PKPbc	03:32:34.401	-0.2	36.3	3.43	TAS	m_e
TNS	146.60	PKPbc	03:32:41.239	0.8	36.3	3.43	TAS	m_e
WET	145.81	PKPbc	03:32:37.522	0.5	36.3	3.43	TAS	m_e
WLF	147.82	PKPbc	03:32:43.941		36.3	3.43	TAS	m_e

Event 10511004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	08:19:29.47		1.22	-23.1900	170.1200				50.0		21	155	145.73	151.03	m i ke	BGR
10511010																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.66		PKPbc	08:39:13.942	0.3	38.3		2.65		TAS				m_e	
BFO	151.03		PKPbc	08:39:15.730	-1.4	38.3		2.65		TAS				m_e	
BRG	146.75		PKPbc	08:39:05.207	-0.6	38.3		2.65		TAS				m_e	
BRG	146.75		pPKPbc	08:39:18.287						T__				m_e	
BSEG	145.73		PKPbc	08:39:02.239	-1.0	38.3		2.65		TAS				m_e	
BUG	148.84		PKPbc	08:39:11.874	0.4	38.3		2.65		TAS				m_e	
CLL	146.82		PKPbc	08:39:05.892	-0.1	38.3		2.65		TAS				m_e	
CLZ	147.42		PKPbc	08:39:07.497	-0.1	38.3		2.65		TAS				m_e	
FUR	149.93		PKPbc	08:39:14.360	0.1	38.3		2.65		TAS				m_e	
FUR	149.93		pPKPbc	08:39:29.044						T__				m_e	
GEC2	148.33		PKPbc	08:39:10.244	0.1	38.3		2.65		TAS				m_e	
GRA1	148.79		PKPbc	08:39:12.028	0.9	38.3		2.65		TAS				m_e	
GTTG	147.81		PKPbc	08:39:08.950	0.4	38.3		2.65		TAS				m_e	
IBBN	147.94		PKPbc	08:39:09.064	-0.1	38.3		2.65		TAS				m_e	
MOX	147.89		PKPbc	08:39:08.786	0.0	38.3		2.65		TAS				m_e	
MOX	147.89		pPKPbc	08:39:21.734						T__				m_e	
NRDL	146.99		PKPbc	08:39:06.516	0.1	38.3		2.65		TAS				m_e	
RJOB	149.54		PKPbc	08:39:12.927	-0.6	38.3		2.65		TAS				m_e	
RJOB	149.54		pPKPbc	08:39:27.924						T__				m_e	
ROTZ	148.31		PKPbc	08:39:10.452	0.6	38.3		2.65		TAS				m_e	
ROTZ	148.31		pPKPbc	08:39:23.675						T__				m_e	
STU	150.34		PKPbc	08:39:15.044	-0.2	38.3		2.65		TAS				m_e	
TANN	147.72		PKPbc	08:39:08.518	0.2	38.3		2.65		TAS				m_e	
TANN	147.72		pPKPbc	08:39:21.841						T__				m_e	
TNS	149.45		PKPbc	08:39:13.385	0.5	38.3		2.65		TAS				m_e	
TNS	149.45		pPKPbc	08:39:27.625						T__				m_e	
WET	148.48		PKPbc	08:39:10.936	0.4	38.3		2.65		TAS				m_e	
WLF	150.72		PKPbc	08:39:16.347	-0.1	38.3		2.65		TAS				m_e	
WLF	150.72		pPKPbc	08:39:31.712						T__				m_e	

Event 10511005 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	09:16:24.64		1.22	-20.9240	168.3410				33.0			20	155	143.03	148.29	m i ke	BGR
OrigID 10511011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.96		PKPbc	09:36:03.608	0.5	40.5		3.14		TAS					m_e
BFO	148.29		PKPbc	09:36:06.874		40.5		3.14		TAS					m_e
BSEG	143.03		PKPbc	09:35:51.790	0.7	40.5		3.14		TAS					m_e
BUG	146.14		PKPbc	09:36:00.378	-0.1	40.5		3.14		TAS					m_e
CLL	144.06		PKPbc	09:35:53.141	-0.3	40.5		3.14		TAS					m_e
CLZ	144.69		PKPbc	09:35:56.015	0.2	40.5		3.14		TAS					m_e
FUR	147.16		PKPbc	09:36:04.616	-0.3	40.5		3.14		TAS					m_e
GEC2	145.55		PKPbc	09:35:58.882	-0.0	40.5		3.14		TAS					m_e
GRA1	146.03		PKPbc	09:36:00.503	-0.5	40.5		3.14		TAS					m_e
GTTG	145.08		PKPbc	09:35:57.238	0.0	40.5		3.14		TAS					m_e
IBBN	145.25		PKPbc	09:35:58.091	0.4	40.5		3.14		TAS					m_e
MOX	145.14		PKPbc	09:35:57.428	-0.1	40.5		3.14		TAS					m_e
NRDL	144.27		PKPbc	09:35:54.573	-0.1	40.5		3.14		TAS					m_e
RJOB	146.76		PKPbc	09:36:02.528	0.2	40.5		3.14		TAS					m_e
ROTZ	145.55		PKPbc	09:35:59.079	0.1	40.5		3.14		TAS					m_e
STU	147.59		PKPbc	09:36:05.562	-0.4	40.5		3.14		TAS					m_e
TANN	144.96		PKPbc	09:35:57.014	-0.1	40.5		3.14		TAS					m_e
TNS	146.72		PKPbc	09:36:02.325	-0.1	40.5		3.14		TAS					m_e
WET	145.71		PKPbc	09:35:59.211	0.3	40.5		3.14		TAS					m_e
WLF	148.02		PKPbc	09:36:06.822		40.5		3.14		TAS					m_e

Event 10511006 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	09:21:32.62		1.22	-21.7300	168.8800				33.0			14	155	145.00	149.23	m i ke	BGR
OrigID 10511012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.23		PKPbc	09:41:17.502		38.9		3.19		TAS					m_e
CLL	145.00		PKPbc	09:41:04.294	0.2	38.9		3.19		TAS					m_e
CLZ	145.63		PKPbc	09:41:06.976	-0.1	38.9		3.19		TAS					m_e
GRA1	146.97		PKPbc	09:41:11.652	0.1	38.9		3.19		TAS					m_e
GTTG	146.02		PKPbc	09:41:08.465	0.2	38.9		3.19		TAS					m_e
IBBN	146.17		PKPbc	09:41:08.500	0.4	38.9		3.19		TAS					m_e

MOX	146.08	PKPbc	09:41:08.282	-0.1	38.9	3.19	TAS	m_e
RJOB	147.71	PKPbc	09:41:13.724		38.9	3.19	TAS	m_e
ROTZ	146.50	PKPbc	09:41:09.920	0.2	38.9	3.19	TAS	m_e
STU	148.53	PKPbc	09:41:16.766		38.9	3.19	TAS	m_e
TANN	145.90	PKPbc	09:41:08.038	-0.3	38.9	3.19	TAS	m_e
TNS	147.66	PKPbc	09:41:13.606		38.9	3.19	TAS	m_e
WET	146.66	PKPbc	09:41:10.289	0.6	38.9	3.19	TAS	m_e
WLF	148.95	PKPbc	09:41:17.686		38.9	3.19	TAS	m_e

Event 10511007 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	09:43:30.46		1.22	-21.2900	168.2800				44.9	2.6		15	155	145.00	148.59	m i ke	BGR
10511013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.27		PKPbc	10:03:08.465		39.4		3.03		TAS				m_e	
BFO	148.59		PKPbc	10:03:12.018		39.4		3.03		TAS				m_e	
BUG	146.46		PKPbc	10:03:05.669	0.4	39.4		3.03		TAS				m_e	
BUG	146.46		pPKPbc	10:03:18.806						T__				m_e	
CLZ	145.00		PKPbc	10:03:01.306	-0.5	39.4		3.03		TAS				m_e	
CLZ	145.00		pPKPbc	10:03:14.686	-0.4					T__				m_e	
GEC2	145.83		PKPbc	10:03:04.126	0.0	39.4		3.03		TAS				m_e	
GEC2	145.83		pPKPbc	10:03:17.489						T__				m_e	
GRA1	146.33		PKPbc	10:03:05.820	-0.8	39.4		3.03		TAS				m_e	
GTTG	145.39		PKPbc	10:03:02.938	0.3	39.4		3.03		TAS				m_e	
GTTG	145.39		pPKPbc	10:03:16.114	0.3					T__				m_e	
IBBN	145.56		PKPbc	10:03:02.776	-0.2	39.4		3.03		TAS				m_e	
IBBN	145.56		pPKPbc	10:03:16.192						T__				m_e	
MOX	145.44		PKPbc	10:03:02.717	0.5	39.4		3.03		TAS				m_e	
RJOB	147.04		PKPbc	10:03:07.883	-0.2	39.4		3.03		TAS				m_e	
STU	147.89		PKPbc	10:03:09.247		39.4		3.03		TAS				m_e	
STU	147.89		pPKPbc	10:03:23.472						T__				m_e	
TANN	145.26		PKPbc	10:03:01.577	-0.0	39.4		3.03		TAS				m_e	
TNS	147.03		PKPbc	10:03:07.903		39.4		3.03		TAS				m_e	
WET	146.00		PKPbc	10:03:04.850	0.2	39.4		3.03		TAS				m_e	
WLF	148.33		PKPbc	10:03:11.908		39.4		3.03		TAS				m_e	
WLF	148.33		pPKPbc	10:03:25.426						T__				m_e	

Event 10511009 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/05/11 15:59:14.30 0.92 -17.3080 -172.5460 33.0 16 131 144.83 149.34 m i ke BGR
 10511015

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.05		PKPbc	16:18:58.208		6.7		2.85		TAS				m_e	
BRG	146.11		PKPbc	16:18:49.819	0.2	6.7		2.85		TAS				m_e	
CLL	145.79		PKPbc	16:18:49.071	-0.2	6.7		2.85		TAS				m_e	
CLZ	145.47		PKPbc	16:18:48.505	-0.0	6.7		2.85		TAS				m_e	
FUR	149.07		PKPbc	16:18:58.340		6.7		2.85		TAS				m_e	
GEC2	148.14		PKPbc	16:18:55.764		6.7		2.85		TAS				m_e	
GRA1	147.55		PKPbc	16:18:54.479	-0.2	6.7		2.85		TAS				m_e	
GTTG	145.78		PKPbc	16:18:48.969	0.0	6.7		2.85		TAS				m_e	
IBBN	145.08		PKPbc	16:18:47.032	0.4	6.7		2.85		TAS				m_e	
MOX	146.58		PKPbc	16:18:50.399	0.6	6.7		2.85		TAS				m_e	
NRDL	144.83		PKPbc	16:18:46.111	-0.1	6.7		2.85		TAS				m_e	
RJOB	149.34		PKPbc	16:18:58.849		6.7		2.85		TAS				m_e	
ROTZ	147.40		PKPbc	16:18:54.150	-0.0	6.7		2.85		TAS				m_e	
TANN	146.73		PKPbc	16:18:51.917	0.5	6.7		2.85		TAS				m_e	
WET	147.94		PKPbc	16:18:55.372	-0.3	6.7		2.85		TAS				m_e	
WLF	147.71		PKPbc	16:18:55.018	-0.0	6.7		2.85		TAS				m_e	

Event 10511010 Strait of Gibraltar

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/05/11 16:47:16.93 4.15 1.26 36.8790 -2.2380 103.4 51.1 29 10.0 19 340 13.82 19.15 m i ke BGR
 10511016

Magnitude Err Nsta Author

OrigID

mb 5.2 BGR 10511016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	15.21		P	16:50:48.717	-1.1					T__		22.3	0.91	m_e	
BFO	13.82		P	16:50:31.342	-0.2					T__		6.2	0.83	m_e	
BRG	18.16		P	16:51:28.592	1.4					T__		130.8	1.43	m_e	
BSEG	19.15		P	16:51:35.840	-3.1					T__		297.6	2.08	m_e mb	5.2
CLL	18.05		P	16:51:26.769	0.8					T__		334.9	2.55	m_e	
CLZ	17.43		P	16:51:20.130	1.9					T__		93.9	1.79	m_e	
FUR	15.02		P	16:50:45.317	-2.1					T__		145.1	1.10	m_e	
GEC2	16.68		P	16:51:09.317	0.4					T__		63.3	0.81	m_e	
GRA1	16.09		P	16:51:02.102	0.7					T__		219.4	1.43	m_e	
GTTG	17.04		P	16:51:15.031	1.6					T__		48.8	1.48	m_e	
IBBN	16.96		P	16:51:12.691	0.3					T__		139.2	1.75	m_e	
MOX	16.97		P	16:51:13.488	0.9					T__		81.5	1.27	m_e	

NRDL	17.87	P	16:51:23.749	0.1	T__	300.9	2.18	m_e
RJOB	15.51	P	16:50:53.411	-0.4	T__	52.5	0.83	m_e
ROTZ	16.59	P	16:51:07.598	-0.1	T__	145.5	1.17	m_e
TANN	17.17	P	16:51:15.536	0.5	T__	84.3	1.37	m_e
TNS	15.40	P	16:50:52.911	0.5	T__	40.2	1.42	m_e
WET	16.47	P	16:51:04.423	-1.8	T__	74.8	1.21	m_e
WLF	14.15	P	16:50:35.478	-0.4	T__	69.8	1.34	m_e

Event 10511011 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	17:57:26.53		1.26	39.5150	144.3180				33.0			8	340	78.85	84.22	m i ke	BGR
OrigID 10511017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.22		P	18:09:56.346		34.7		5.27		TAS					m_e
BRG	80.05		P	18:09:34.982	-0.4	34.7		5.27		TAS					m_e
BSEG	78.85		P	18:09:29.270		34.7		5.27		TAS					m_e
CLL	80.05		P	18:09:34.820	0.6	34.7		5.27		TAS					m_e
CLZ	80.56		P	18:09:38.461	-0.9	34.7		5.27		TAS					m_e
FUR	83.27		P	18:09:52.732		34.7		5.27		TAS					m_e
GEC2	81.77		P	18:09:43.380		34.7		5.27		TAS					m_e
MOX	81.10		P	18:09:41.463		34.7		5.27		TAS					m_e
RJOB	83.03		P	18:09:51.562		34.7		5.27		TAS					m_e
ROTZ	81.60		P	18:09:43.650		34.7		5.27		TAS					m_e

Event 10511012 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	18:14:41.78		1.26	37.1890	142.2050				33.0			16	340	80.21	85.48	m i ke	BGR
OrigID 10511018																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10511018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.13		P	18:27:07.477	-0.6	37.3		5.17		TAS		17.7	1.11	m_e mb	5.2
BFO	85.48		P	18:27:14.081		37.3		5.17		TAS		17.9	0.99	m_e mb	5.3
BRG	81.24		P	18:26:52.789	0.0	37.3		5.17		TAS		16.1	0.96	m_e mb	5.0
BSEG	80.21		P	18:26:47.366	0.0	37.3		5.17		TAS		22.6	1.03	m_e mb	5.0
CLL	81.28		P	18:26:52.609	-0.3	37.3		5.17		TAS		22.8	0.86	m_e mb	5.2

CLZ	81.86	P	18:26:56.091	0.1	37.3	5.17	TAS	20.4	1.00	m_e	mb	5.2
FUR	84.45	P	18:27:09.484		37.3	5.17	TAS	25.2	1.05	m_e	mb	5.4
GEC2	82.91	P	18:27:01.136	-0.2	37.3	5.17	TAS	6.0	0.89	m_e	mb	4.8
GRA1	83.25	P	18:27:03.782	0.2	37.3	5.17	TAS	35.5	1.09	m_e	mb	5.5
GTTG	82.25	P	18:26:58.040	0.2	37.3	5.17	TAS	12.3	0.60	m_e	mb	5.2
MOX	82.34	P	18:26:58.080	-0.2	37.3	5.17	TAS	7.6	0.86	m_e	mb	4.8
RJOB	84.16	P	18:27:07.921		37.3	5.17	TAS	12.1	0.95	m_e	mb	5.1
ROTZ	82.80	P	18:27:01.052	0.6	37.3	5.17	TAS	16.8	1.25	m_e	mb	5.1
STU	84.78	P	18:27:10.978		37.3	5.17	TAS	26.3	0.94	m_e	mb	5.4
WET	83.02	P	18:27:02.041	0.1	37.3	5.17	TAS	8.2	0.98	m_e	mb	4.9
WLF	85.19	P	18:27:13.444		37.3	5.17	TAS	29.1	1.45	m_e	mb	5.3

Event 10511013 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
2011/05/11	18:21:49.62		1.26	38.8060	141.4670				33.0			19	340	78.50	83.78	m i ke	BGR
OrigID 10511019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10511019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.43		P	18:34:07.156	0.3	37.0		5.30		TAS		8.0	0.83	m_e	mb	4.9
BFO	83.78		P	18:34:13.743		37.0		5.30		TAS		17.9	0.96	m_e	mb	5.3
BRG	79.55		P	18:33:51.670	-0.1	37.0		5.30		TAS		8.2	0.92	m_e	mb	4.6
BSEG	78.50		P	18:33:46.034	-0.0	37.0		5.30		TAS		15.3	0.84	m_e	mb	5.1
BUG	81.61		P	18:34:02.525	-0.0	37.0		5.30		TAS		7.5	0.76	m_e	mb	4.9
CLL	79.59		P	18:33:51.319	-0.6	37.0		5.30		TAS		14.6	0.83	m_e	mb	4.9
CLZ	80.16		P	18:33:54.879	-0.0	37.0		5.30		TAS		14.5	0.92	m_e	mb	4.9
FUR	82.76		P	18:34:08.023	-0.7	37.0		5.30		TAS		20.5	0.88	m_e	mb	5.4
GEC2	81.23		P	18:34:00.480	-0.1	37.0		5.30		TAS		2.5	0.84	m_e	mb	4.3
GRA1	81.56		P	18:34:02.747	0.4	37.0		5.30		TAS		16.5	0.83	m_e	mb	5.2
GTTG	80.55		P	18:33:57.641	0.7	37.0		5.30		TAS		12.8	0.89	m_e	mb	5.0
IBBN	80.73		P	18:33:57.757	-0.1	37.0		5.30		TAS		16.1	0.85	m_e	mb	5.1
MOX	80.65		P	18:33:57.155	-0.4	37.0		5.30		TAS		13.9	1.20	m_e	mb	4.9
NRDL	79.74		P	18:33:52.512	-0.1	37.0		5.30		TAS		7.6	0.87	m_e	mb	4.6
RJOB	82.48		P	18:34:07.616	0.4	37.0		5.30		TAS		17.8	0.87	m_e	mb	5.2
ROTZ	81.11		P	18:34:00.472	0.5	37.0		5.30		TAS		4.5	0.75	m_e	mb	4.6
TANN	80.50		P	18:33:56.785	0.1	37.0		5.30		TAS		2.0	0.80	m_e	mb	4.1
TNS	82.19		P	18:34:05.621	-0.0	37.0		5.30		TAS		5.7	0.66	m_e	mb	4.8
WET	81.33		P	18:34:01.403	0.2	37.0		5.30		TAS		6.4	0.93	m_e	mb	4.6

Event 10511014 Madeira Islands, Portugal, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/11	23:23:36.17		1.26	33.2500	-12.0300				33.0			20	340	21.23	26.06	m i ke	BGR
OrigID 10511020																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10511020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	22.27		P	23:28:31.289	-0.0	234.1		9.69		TAS		15.1	0.86	m_e	mb	4.4
BFO	21.46		P	23:28:23.220	-0.9	234.1		9.69		TAS		13.0	0.88	m_e	mb	4.3
BRG	25.91		P	23:29:06.135	-1.0	234.1		9.69		TAS		7.8	1.02	m_e	mb	4.3
BSEG	26.06		P	23:29:05.821		234.1		9.69		TAS		5.6	0.82	m_e	mb	4.2
BUG	22.98		P	23:28:38.854	1.1	234.1		9.69		TAS		9.1	0.91	m_e	mb	4.3
CLL	25.66		P	23:29:04.221	-1.1	234.1		9.69		TAS		3.3	0.89	m_e	mb	4.0
CLZ	24.68		P	23:28:55.067	0.4	234.1		9.69		TAS		9.3	0.84	m_e	mb	4.5
FUR	22.98		P	23:28:38.764	0.4	234.1		9.69		TAS		24.7	1.15	m_e	mb	4.6
GEC2	24.72		P	23:28:55.377	-0.2	234.1		9.69		TAS		10.6	0.78	m_e	mb	4.6
GRA1	23.80		P	23:28:47.327	1.3	234.1		9.69		TAS		35.6	0.99	m_e	mb	4.9
GTTG	24.30		P	23:28:52.542	-0.1	234.1		9.69		TAS		16.4	0.86	m_e	mb	4.6
MOX	24.56		P	23:28:54.209	0.1	234.1		9.69		TAS		15.0	0.90	m_e	mb	4.7
NRDL	24.99		P	23:28:58.289	-0.7	234.1		9.69		TAS		2.3	0.81	m_e	mb	4.0
RJOB	23.65		P	23:28:44.251	0.5	234.1		9.69		TAS		16.1	0.76	m_e	mb	4.6
ROTZ	24.37		P	23:28:52.173	0.4	234.1		9.69		TAS		15.9	0.83	m_e	mb	4.6
STU	22.18		P	23:28:31.075	-0.1	234.1		9.69		TAS		55.5	1.09	m_e	mb	4.9
TANN	24.87		P	23:28:57.038	0.8	234.1		9.69		TAS		7.9	1.00	m_e	mb	4.4
TNS	22.71		P	23:28:35.890	-0.1	234.1		9.69		TAS		20.7	0.90	m_e	mb	4.7
WET	24.40		P	23:28:52.686	0.0	234.1		9.69		TAS		12.8	0.87	m_e	mb	4.5
WLF	21.23		P	23:28:20.438	-1.0	234.1		9.69		TAS		26.1	0.94	m_e	mb	4.5

Event 10512002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/12	07:39:37.67		1.52	-17.1820	-172.9530				33.0			16	226	144.68	149.16	m i ke	BGR
OrigID 10512008																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.92		PKPbc	07:59:21.761		7.4		2.87		TAS				m_e	
BRG	145.94		PKPbc	07:59:13.074	-0.3	7.4		2.87		TAS				m_e	
BUG	145.82		PKPbc	07:59:13.272	-0.4	7.4		2.87		TAS				m_e	
CLL	145.62		PKPbc	07:59:12.683	-0.0	7.4		2.87		TAS				m_e	
CLZ	145.32		PKPbc	07:59:12.005	0.3	7.4		2.87		TAS				m_e	
GEC2	147.96		PKPbc	07:59:19.563		7.4		2.87		TAS				m_e	
GTTG	145.64		PKPbc	07:59:12.829	0.2	7.4		2.87		TAS				m_e	

IBBN	144.95	PKPbc	07:59:10.486	0.4	7.4	2.87	TAS	m_e
MOX	146.42	PKPbc	07:59:14.422	0.0	7.4	2.87	TAS	m_e
NRDL	144.68	PKPbc	07:59:09.640	-0.3	7.4	2.87	TAS	m_e
RJOB	149.16	PKPbc	07:59:22.669		7.4	2.87	TAS	m_e
ROTZ	147.23	PKPbc	07:59:16.898	0.2	7.4	2.87	TAS	m_e
TANN	146.56	PKPbc	07:59:15.185	0.3	7.4	2.87	TAS	m_e
TNS	147.02	PKPbc	07:59:16.869	0.1	7.4	2.87	TAS	m_e
WET	147.77	PKPbc	07:59:18.844	-0.0	7.4	2.87	TAS	m_e
WLF	147.59	PKPbc	07:59:18.612	-0.3	7.4	2.87	TAS	m_e

Event 10512007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/12	12:29:22.40		0.47	-21.5200	-178.1600				592.6			14	95	147.00	152.75	m i ke	BGR
OrigID 10512013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.75		PKPbc	12:48:12.731		16.7		2.48		TAS					m_e
BRG	149.20		PKPbc	12:48:04.493	0.3	16.7		2.48		TAS					m_e
BSEG	147.00		PKPbc	12:47:58.329	-0.6	16.7		2.48		TAS					m_e
CLL	149.02		PKPbc	12:48:03.984	0.1	16.7		2.48		TAS					m_e
CLZ	149.02		PKPbc	12:48:04.191	0.2	16.7		2.48		TAS					m_e
CLZ	149.02		pPKPbc	12:50:19.937						T__					m_e
GEC2	151.13		PKPbc	12:48:09.452		16.7		2.48		TAS					m_e
GTTG	149.37		PKPbc	12:48:05.015	0.0	16.7		2.48		TAS					m_e
MOX	149.93		PKPbc	12:48:06.255	0.1	16.7		2.48		TAS					m_e
NRDL	148.43		PKPbc	12:48:02.292	-0.2	16.7		2.48		TAS					m_e
RJOB	152.39		PKPbc	12:48:12.048		16.7		2.48		TAS					m_e
ROTZ	150.64		PKPbc	12:48:08.467	-0.5	16.7		2.48		TAS					m_e
TANN	149.97		PKPbc	12:48:06.671	0.2	16.7		2.48		TAS					m_e
TNS	150.88		PKPbc	12:48:08.722	0.0	16.7		2.48		TAS					m_e
WLF	151.71		PKPbc	12:48:11.040	-0.5	16.7		2.48		TAS					m_e

Event 10512008 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
2011/05/12	16:21:02.32		0.47	40.6600	142.7000				33.0			18	95	77.28	82.63	m i ke	BGR
OrigID 10512014																	

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 10512014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.21		P	16:33:14.446	0.3	35.2		5.39		TAS		4.7	0.77	m_e	mb 4.6
BFO	82.63		P	16:33:21.068		35.2		5.39		TAS		3.7	0.79	m_e	mb 4.7
BRG	78.44		P	16:32:59.028	-0.2	35.2		5.39		TAS		4.1	0.81	m_e	mb 4.6
BSEG	77.28		P	16:32:52.946	0.1	35.2		5.39		TAS		8.1	0.88	m_e	mb 4.9
CLL	78.45		P	16:32:58.762	-0.5	35.2		5.39		TAS		8.7	0.84	m_e	mb 4.9
CLZ	78.98		P	16:33:02.339	0.1	35.2		5.39		TAS		7.0	0.87	m_e	mb 4.7
FUR	81.66		P	16:33:16.894	-0.7	35.2		5.39		TAS		13.3	0.72	m_e	mb 5.2
GEC2	80.15		P	16:33:08.026	0.2	35.2		5.39		TAS		2.3	0.85	m_e	mb 4.1
GRA1	80.43		P	16:33:10.251	-0.1	35.2		5.39		TAS		11.1	0.81	m_e	mb 4.8
GTTG	79.36		P	16:33:04.342	-0.1	35.2		5.39		TAS		5.8	0.85	m_e	mb 4.6
IBBN	79.50		P	16:33:04.269	0.3	35.2		5.39		TAS		6.1	0.86	m_e	mb 4.7
MOX	79.50		P	16:33:04.857	-0.5	35.2		5.39		TAS		2.8	0.84	m_e	mb 4.2
RJOB	81.41		P	16:33:15.221	0.1	35.2		5.39		TAS		5.1	0.85	m_e	mb 4.6
ROTZ	79.99		P	16:33:07.928	-0.4	35.2		5.39		TAS		3.9	0.88	m_e	mb 4.3
STU	81.94		P	16:33:18.154		35.2		5.39		TAS		13.0	0.88	m_e	mb 5.1
TANN	79.37		P	16:33:04.386	0.2	35.2		5.39		TAS		1.7	0.75	m_e	mb 4.2
TNS	81.00		P	16:33:12.923	0.0	35.2		5.39		TAS		2.8	0.68	m_e	mb 4.4
WET	80.24		P	16:33:09.088	0.3	35.2		5.39		TAS		4.3	0.98	m_e	mb 4.3

Event 10513001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/13	03:59:07.100	0.40	0.83	51.4110	16.1810	5.6	3.3	18	1.0			16	197	0.57	3.65	m i ki	BGR
OrigID 10513007																	

Magnitude	Err	Nsta	Author	OrigID
ML 4.1			BGR	10513007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.51		Sg	03:59:55.649	-0.3					T__				m_e	
BRG	1.51		Pn	03:59:34.438	-0.9					T__				m_e	ML 3.8
CLL	2.00		Sg	04:00:11.243	-0.1					T__				m_e	
CLL	2.00		Pn	03:59:40.746	-1.1					T__				m_e	ML 4.0
CLZ	3.65		Sg	04:01:04.827	1.1					T__				m_e	
CLZ	3.65		Pn	04:00:04.677	0.6					T__				m_e	ML 4.3
DPC	1.06		Sg	03:59:43.627	1.8					T__				m_e	
DPC	1.06		Pg	03:59:28.442	0.4					T__				m_e	ML 4.3
GEC2	3.02		Sg	04:00:42.578	-1.4					T__				m_e	
GEC2	3.02		Pn	03:59:56.266	0.5					T__				m_e	ML 4.3
GEC2	3.02		Pg	04:00:03.469	-1.5					T__				m_e	
GRA1	3.60		Pn	04:00:04.505	1.0					T__				m_e	ML 4.7
KSP	0.57		Pg	03:59:19.709	0.9					T__				m_e	ML 3.4
MANZ	2.96		Sg	04:00:42.386	0.6					T__				m_e	
MANZ	2.96		Pn	03:59:55.500	0.7					T__				m_e	ML 4.4

MORC	1.85	Pn	03:59:40.253	0.3	T__	m_e ML	4.2
MOX	2.98	Sg	04:00:43.592	0.9	T__	m_e	
MOX	2.98	Pn	03:59:55.036	-0.1	T__	m_e ML	4.5
MOX	2.98	Pg	04:00:03.336	-0.8	T__	m_e	
OJC	2.59	Pn	03:59:48.475	-1.4	T__	m_e ML	4.2
OKC	2.01	Sg	04:00:11.392	-0.5	T__	m_e	
OKC	2.01	Pn	03:59:41.755	-0.3	T__	m_e ML	3.5
ROTZ	3.02	Sg	04:00:42.894	-1.0	T__	m_e	
ROTZ	3.02	Pn	03:59:56.318	0.6	T__	m_e ML	4.1
TANN	2.56	Sg	04:00:28.323	-0.8	T__	m_e	
TANN	2.56	Pn	03:59:49.610	0.2	T__	m_e ML	4.2
WERD	2.63	Sg	04:00:31.985	0.4	T__	m_e	
WERD	2.63	Pn	03:59:50.600	0.1	T__	m_e ML	4.2
WERD	2.63	Pg	03:59:57.094	-0.5	T__	m_e	
WET	3.10	Pn	03:59:57.338	0.5	T__	m_e ML	4.2

Event 10513005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/13	17:05:07.80		0.95	-21.0900	-176.6000				234.2			24	271	146.79	152.53	m i ke	NEIC
OrigID 10513059																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.51		PKPbc	17:24:25.981	0.3	15.1		2.45		TAS				m_e	
BFO	152.53		PKPbc	17:24:35.174		15.1		2.45		TAS				m_e	
BRG	149.14		PKPbc	17:24:27.815	0.4	15.1		2.45		TAS				m_e	
BSEG	146.79		PKPbc	17:24:21.429	-0.1	15.1		2.45		TAS				m_e	
BUG	149.56		PKPbc	17:24:28.426	0.2	15.1		2.45		TAS				m_e	
CLL	148.92		PKPbc	17:24:27.042	0.0	15.1		2.45		TAS				m_e	
CLZ	148.83		PKPbc	17:24:27.022	0.2	15.1		2.45		TAS				m_e	
FBE	149.22		PKPbc	17:24:28.313	0.1	15.1		2.45		TAS				m_e	
FLT1	148.23		PKPbc	17:24:25.052	-0.1	15.1		2.45		TAS				m_e	
GEC2	151.10		PKPbc	17:24:32.343		15.1		2.45		TAS				m_e	
GRA1	150.79		PKPbc	17:24:31.841	-0.3	15.1		2.45		TAS				m_e	
GTTG	149.17		PKPbc	17:24:27.792	0.2	15.1		2.45		TAS				m_e	
IBBN	148.66		PKPbc	17:24:26.343	-0.1	15.1		2.45		TAS				m_e	
MANZ	150.35		PKPbc	17:24:30.804	-0.4	15.1		2.45		TAS				m_e	
MOX	149.80		PKPbc	17:24:29.309	0.1	15.1		2.45		TAS				m_e	
NEUB	149.25		PKPbc	17:24:28.086	-0.2	15.1		2.45		TAS				m_e	
NRDL	148.22		PKPbc	17:24:25.211	0.0	15.1		2.45		TAS				m_e	
ROTZ	150.54		PKPbc	17:24:31.256	-0.3	15.1		2.45		TAS				m_e	
RUE	147.66		PKPbc	17:24:23.716	-0.3	15.1		2.45		TAS				m_e	
TANN	149.87		PKPbc	17:24:29.603	0.2	15.1		2.45		TAS				m_e	
TNS	150.66		PKPbc	17:24:31.392	0.4	15.1		2.45		TAS				m_e	

WERD	149.87	PKPbc	17:24:29.626	0.3	15.1	2.45	TAS	m_e
WERN	150.01	PKPbc	17:24:30.102	0.2	15.1	2.45	TAS	m_e
WET	151.00	PKPbc	17:24:31.868		15.1	2.45	TAS	m_e
WLF	151.40	PKPbc	17:24:33.611		15.1	2.45	TAS	m_e

Event 10513008 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/13	21:39:30.30		0.37	36.5700	70.9300				238.1		28	215	42.54	47.64	m i ke	NEIC
	10513062															

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10513014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	46.91		P	21:47:37.404		83.7		7.79		TAS		114.0	2.39	m_e mb	5.6
AHRW	46.91		sP	21:48:54.850						T__				m_e	
ASSE	44.50		P	21:47:17.865	0.8	83.7		7.79		TAS		27.3	1.62	m_e mb	4.7
BFO	46.45		P	21:47:33.293	0.3	83.7		7.79		TAS		12.8	1.23	m_e mb	4.8
BRG	42.54		P	21:47:03.274	-0.3	83.7		7.79		TAS		38.5	1.38	m_e mb	4.9
BSEG	44.60		P	21:47:19.694	-0.1	83.7		7.79		TAS		45.0	1.35	m_e mb	5.2
BSEG	44.60		sP	21:48:35.272						T__				m_e	
BUG	46.67		P	21:47:35.425		83.7		7.79		TAS		46.6	1.37	m_e mb	5.4
BUG	46.67		sP	21:48:53.572						T__				m_e	
CLL	43.10		P	21:47:07.250	-0.7	83.7		7.79		TAS		20.2	1.39	m_e mb	4.7
CLL	43.10		sP	21:48:24.105						T__				m_e	
CLZ	44.70		P	21:47:20.197	0.3	83.7		7.79		TAS		35.5	1.23	m_e mb	5.2
CLZ	44.70		sP	21:48:37.592						T__				m_e	
FBE	42.91		P	21:47:06.524	0.1	83.7		7.79		TAS		48.3	1.37	m_e mb	5.0
FLT1	44.14		P	21:47:15.211	0.5	83.7		7.79		TAS		48.6	1.16	m_e mb	5.1
FLT1	44.14		sP	21:48:32.226						T__				m_e	
FUR	44.53		P	21:47:19.131	-0.8	83.7		7.79		TAS		53.0	1.39	m_e mb	5.3
GEC2	42.84		P	21:47:05.557	-0.1	83.7		7.79		TAS		9.7	1.19	m_e mb	4.4
GRA1	44.37		P	21:47:18.294	0.6	83.7		7.79		TAS		54.2	1.45	m_e mb	5.1
GRA1	44.37		sP	21:48:35.997						T__				m_e	
GTTG	44.98		P	21:47:22.667	-0.1	83.7		7.79		TAS		52.9	1.27	m_e mb	5.3
IBBN	46.27		P	21:47:32.494	-0.2	83.7		7.79		TAS		47.0	1.16	m_e mb	5.4
IBBN	46.27		sP	21:48:50.236						T__				m_e	
MANZ	43.77		P	21:47:13.343	-0.3	83.7		7.79		TAS		26.1	1.37	m_e mb	4.8
MANZ	43.77		sP	21:48:30.486						T__				m_e	
MOX	44.03		P	21:47:15.002	-0.6	83.7		7.79		TAS		28.5	1.42	m_e mb	4.8
MOX	44.03		sP	21:48:32.372						T__				m_e	
NEUB	43.88		P	21:47:13.696	-0.1	83.7		7.79		TAS		37.5	1.14	m_e mb	5.0
NEUB	43.88		sP	21:48:30.631						T__				m_e	
NRDL	44.82		P	21:47:21.333	0.1	83.7		7.79		TAS		35.3	1.29	m_e mb	5.1
NRDL	44.82		sP	21:48:38.821						T__				m_e	

RGN	42.83	P	21:47:05.637	0.8	83.7	7.79	TAS	158.5	1.35	m_e	mb	5.6
RJOB	43.57	P	21:47:11.033	0.2	83.7	7.79	TAS	9.4	1.14	m_e	mb	4.4
RJOB	43.57	sP	21:48:28.746				T__			m_e		
ROTZ	43.73	P	21:47:13.240	0.2	83.7	7.79	TAS	32.9	1.35	m_e	mb	4.9
ROTZ	43.73	sP	21:48:29.181				T__			m_e		
RUE	42.57	P	21:47:03.127	-0.5	83.7	7.79	TAS	86.3	1.78	m_e	mb	5.2
TANN	43.51	P	21:47:11.014	0.1	83.7	7.79	TAS	20.5	1.32	m_e	mb	4.7
TANN	43.51	sP	21:48:28.601				T__			m_e		
TNS	46.09	P	21:47:31.088	-0.2	83.7	7.79	TAS	16.1	1.19	m_e	mb	4.9
TNS	46.09	sP	21:48:48.641				T__			m_e		
WERD	43.60	P	21:47:11.829	0.5	83.7	7.79	TAS	20.3	1.30	m_e	mb	4.7
WERN	43.57	P	21:47:11.789	-0.0	83.7	7.79	TAS	22.2	1.57	m_e	mb	4.6
WLF	47.64	P	21:47:43.565		83.7	7.79	TAS	34.8	1.04	m_e	mb	5.4

Event 10513009 Costa Rica

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/13	22:47:55.20		0.37	10.1000	-84.2600				70.0	6.0		30	215	82.66	87.67	m i ke	NEIC
	10513063																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10513015
MBB	6.2		BGR	10513015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.14		P	23:00:13.078	0.0	280.7		5.03		TAS		203.2	1.86	m_e	MBB 6.2
ASSE	85.12		P	23:00:23.071	-0.6	280.7		5.03		TAS		198.5	1.79	m_e	MBB 6.4
BFO	84.26		P	23:00:18.098	0.1	280.7		5.03		TAS		121.5	2.11	m_e	MBB 6.0
BRG	87.38		P	23:00:34.217	-0.2	280.7		5.03		TAS		106.0	1.65	m_e	MBB 6.1
BSEG	84.60		P	23:00:20.537	0.2	280.7		5.03		TAS		144.5	1.60	m_e	MBB 6.3
BUG	83.14		P	23:00:13.014	-0.1	280.7		5.03		TAS		154.7	1.70	m_e	MBB 6.3
CLL	86.70		P	23:00:30.721	-0.6	280.7		5.03		TAS		97.0	1.51	m_e	MBB 6.1
CLZ	84.99		P	23:00:22.389	0.0	280.7		5.03		TAS		128.3	1.55	m_e	MBB 6.2
FBE	87.00		P	23:00:32.597	0.3	280.7		5.03		TAS		122.8	1.51	m_e	MBB 6.1
FLT1	85.43		P	23:00:24.009	0.1	280.7		5.03		TAS		109.6	1.47	m_e	MBB 6.2
FUR	86.23		P	23:00:28.985	0.2	280.7		5.03		TAS		153.1	1.91	m_e	MBB 6.1
GEC2	87.67		P	23:00:35.647		280.7		5.03		TAS		105.3	1.79	m_e	MBB 6.2
GRA1	85.91		P	23:00:27.059	-0.1	280.7		5.03		TAS		137.2	1.78	m_e	mb 5.8
GTTG	84.79		P	23:00:21.522	0.0	280.7		5.03		TAS		139.1	1.73	m_e	MBB 6.2
IBBN	83.32		P	23:00:14.139	-0.0	280.7		5.03		TAS		206.6	1.81	m_e	MBB 6.3
MANZ	86.41		P	23:00:29.857	0.1	280.7		5.03		TAS		136.7	1.91	m_e	MBB 6.0
MOX	85.98		P	23:00:27.199	0.4	280.7		5.03		TAS		116.8	1.74	m_e	MBB 6.0
NEUB	85.97		P	23:00:27.170	-0.1	280.7		5.03		TAS		153.8	1.63	m_e	MBB 6.2
NRDL	84.72		P	23:00:21.241	-0.4	280.7		5.03		TAS		144.6	1.69	m_e	MBB 6.3
RGN	86.22		P	23:00:28.701	0.3	280.7		5.03		TAS		257.6	1.47	m_e	MBB 6.4
RJOB	87.31		P	23:00:33.958	-0.2	280.7		5.03		TAS		148.9	2.11	m_e	MBB 6.1

ROTZ	86.52	P	23:00:30.533	0.3	280.7	5.03	TAS	138.9	1.86	m_e	MBB	6.1
RUE	86.93	P	23:00:31.518	0.1	280.7	5.03	TAS	74.4	1.27	m_e	MBB	6.0
STU	84.76	P	23:00:20.772	0.1	280.7	5.03	TAS	231.0	2.02	m_e	MBB	6.2
TANN	86.55	P	23:00:30.299	-0.3	280.7	5.03	TAS	230.6	2.03	m_e	MBB	6.1
TNS	84.05	P	23:00:17.628	-0.6	280.7	5.03	TAS	137.0	1.75	m_e	MBB	6.2
WERD	86.45	P	23:00:29.829	0.5	280.7	5.03	TAS	249.6	2.22	m_e	MBB	6.0
WERN	86.52	P	23:00:30.345	0.1	280.7	5.03	TAS	99.0	1.30	m_e	MBB	6.1
WET	87.07	P	23:00:33.185	-0.1	280.7	5.03	TAS	192.9	1.87	m_e	MBB	6.1
WLF	82.66	P	23:00:10.858	0.2	280.7	5.03	TAS	265.7	2.15	m_e	MBB	6.2

Event 10513010 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/13	23:35:55.66		0.37	37.8490	142.5980				44.9	3.9		30	215	81.08	83.68	m i ke	BGR
OrigID 10513016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10513016
MBB	6.1		BGR	10513016
Ms	6.0		BGR	10513016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.68		P	23:48:17.688	0.1	36.7		5.20		TAS		66.8	1.27	m_e	MBB 6.1
ASSE	81.08		P	23:48:03.971	-0.0	36.7		5.20		TAS		59.9	1.26	m_e	MBB 6.1
ASSE	81.08		pP	23:48:16.736	-0.4					T__				m_e	
BFO			P	23:48:24.372		36.7		5.20		TAS		149.1	1.17	m_e	MBB 6.3
BFO			pP	23:48:38.455	-0.4					T__				m_e	
BRG			P	23:48:02.697	-0.3	36.7		5.20		TAS		68.9	1.28	m_e	MBB 6.0
BRG			pP	23:48:15.299	-0.4					T__				m_e	
BSEG			P	23:47:57.408	0.2	36.7		5.20		TAS		102.5	1.13	m_e	MBB 6.0
BSEG			pP	23:48:09.882	-0.4					T__				m_e	
BUG			P	23:48:13.180	-0.1	36.7		5.20		TAS		66.4	1.31	m_e	MBB 6.2
BUG			pP	23:48:27.126	-0.4					T__				m_e	
CLL			P	23:48:02.722	0.2	36.7		5.20		TAS		123.8	1.20	m_e	MBB 6.1
CLL			pP	23:48:15.280	-0.4					T__				m_e	
CLZ			P	23:48:06.179	-0.2	36.7		5.20		TAS		143.5	1.19	m_e	MBB 6.1
CLZ			pP	23:48:18.839	-0.4					T__				m_e	
FBE			P	23:48:04.040	-0.1	36.7		5.20		TAS		133.0	1.20	m_e	MBB 5.9
FBE			pP	23:48:16.679	-0.4					T__				m_e	
FLT1			P	23:48:01.830	-0.2	36.7		5.20		TAS		125.3	1.17	m_e	MBB 6.1
FLT1			pP	23:48:14.403	-0.4					T__				m_e	
FUR			P	23:48:19.641	-0.1	36.7		5.20		TAS		142.7	1.17	m_e	MBB 6.3
FUR			pP	23:48:33.445	-0.4					T__				m_e	
GEC2			P	23:48:11.310	0.1	36.7		5.20		TAS		46.2	1.12	m_e	MBB 6.1
GEC2			pP	23:48:24.214	-0.4					T__				m_e	
GRA1			P	23:48:13.738	-0.2	36.7		5.20		TAS		144.3	1.16	m_e	mb 6.1

GRA1	L	00:29:34.440							T__	6173.1	18.70	a_e	Ms	6.0
GTTG	P	23:48:08.376	0.2	36.7		5.20			TAS	96.8	1.21	m_e	MBB	6.2
IBBN	P	23:48:08.886	-0.1	36.7		5.20			TAS	139.7	1.15	m_e	MBB	6.2
IBBN	pP	23:48:21.579	-0.4						T__			m_e		
MANZ	P	23:48:10.213	0.4	36.7		5.20			TAS	45.3	1.26	m_e	MBB	6.1
MANZ	pP	23:48:22.959	-0.4						T__			m_e		
MOX	P	23:48:08.430	0.1	36.7		5.20			TAS	60.3	1.27	m_e	MBB	6.1
MOX	L	00:29:04.644							T__	6215.5	19.80	a_e	Ms	6.0
NEUB	P	23:48:05.911	0.2	36.7		5.20			TAS	141.6	1.19	m_e	MBB	6.1
NEUB	pP	23:48:18.478	-0.4						T__			m_e		
NRDL	P	23:48:03.589	-0.2	36.7		5.20			TAS	53.9	1.21	m_e	MBB	6.0
NRDL	pP	23:48:16.406	-0.4						T__			m_e		
RGN	P	23:47:49.150	0.0	36.7		5.20			TAS	144.3	1.25	m_e	MBB	6.2
RGN	pP	23:48:01.573	-0.4						T__			m_e		
RJOB	P	23:48:18.239	0.0	36.7		5.20			TAS	80.3	1.21	m_e	MBB	6.3
RJOB	pP	23:48:32.167	-0.4						T__			m_e		
ROTZ	P	23:48:11.402	-0.3	36.7		5.20			TAS	98.5	1.32	m_e	MBB	6.2
ROTZ	pP	23:48:24.105	-0.4						T__			m_e		
RUE	P	23:47:56.581	-0.1	36.7		5.20			TAS	127.7	1.29	m_e	MBB	6.1
RUE	pP	23:48:09.111	-0.4						T__			m_e		
STU	P	23:48:21.099	0.2	36.7		5.20			TAS	142.4	1.15	m_e	MBB	6.3
STU	pP	23:48:35.049	-0.4						T__			m_e		
TANN	P	23:48:07.569	0.0	36.7		5.20			TAS	39.6	1.31	m_e	MBB	6.1
TANN	pP	23:48:20.323	-0.4						T__			m_e		
TNS	P	23:48:16.368	0.1	36.7		5.20			TAS	48.7	1.30	m_e	MBB	6.1
TNS	pP	23:48:30.485	-0.4						T__			m_e		
WERD	P	23:48:07.994	0.4	36.7		5.20			TAS	51.3	1.31	m_e	MBB	5.7
WERN	P	23:48:08.642	-0.1	36.7		5.20			TAS	66.6	1.15	m_e	MBB	5.8
WET	P	23:48:12.252	0.5	36.7		5.20			TAS	67.4	1.27	m_e	MBB	6.2
WET	pP	23:48:24.961	-0.4						T__			m_e		
WLF	P	23:48:23.330	-0.4	36.7		5.20			TAS	114.9	1.47	m_e	MBB	6.2

Event 10514001 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/14	07:06:07.40		0.37	-20.1800	168.4300				66.1			15	215	143.37	147.65	m i ke	NEIC
	10514055																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.65		PKPbc	07:25:43.978		39.9		2.79		TAS				m_e	
BRG	143.37		PKPbc	07:25:34.558	-0.0	39.9		2.79		TAS				m_e	
BUG	145.48		PKPbc	07:25:36.969		39.9		2.79		TAS				m_e	
FUR	146.54		PKPbc	07:25:41.211		39.9		2.79		TAS				m_e	
GEC2	144.95		PKPbc	07:25:36.144		39.9		2.79		TAS				m_e	

GRA1	145.41	PKPbc	07:25:37.913	39.9	2.79	TAS	m_e
GTTG	144.44	PKPbc	07:25:34.580	39.9	2.79	TAS	m_e
IBBN	144.58	PKPbc	07:25:34.831	0.1 39.9	2.79	TAS	m_e
MOX	144.51	PKPbc	07:25:34.455	39.9	2.79	TAS	m_e
RJOB	146.16	PKPbc	07:25:39.987	39.9	2.79	TAS	m_e
ROTZ	144.93	PKPbc	07:25:36.416	39.9	2.79	TAS	m_e
STU	146.96	PKPbc	07:25:42.305	39.9	2.79	TAS	m_e
TANN	144.34	PKPbc	07:25:34.299	39.9	2.79	TAS	m_e
WERD	144.38	PKPbc	07:25:34.030	39.9	2.79	TAS	m_e
WERN	144.47	PKPbc	07:25:34.481	39.9	2.79	TAS	m_e
WET	145.10	PKPbc	07:25:36.778	39.9	2.79	TAS	m_e
WLF	147.36	PKPbc	07:25:43.983	39.9	2.79	TAS	m_e

Event 10514002 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/14	10:21:31.44		0.37	35.4830	71.1240				238.8	1.3		21	215	43.34	48.42	m i ke	BGR
OrigID 10514008																	

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10514008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.71		P	10:29:42.370		84.8		7.85		TAS		19.6	1.14	m_e mb	5.1
BRG	43.34		P	10:29:07.922	-0.2	84.8		7.85		TAS		19.8	0.99	m_e mb	4.8
BRG	43.34		sP	10:30:25.264						T__				m_e	
BSEG	45.46		P	10:29:24.307	-0.1	84.8		7.85		TAS		21.6	1.11	m_e mb	5.0
BUG	47.49		P	10:29:40.007		84.8		7.85		TAS		16.0	0.95	m_e mb	5.1
CLL	43.91		P	10:29:11.937	-0.1	84.8		7.85		TAS		19.5	1.34	m_e mb	4.7
CLL	43.91		sP	10:30:29.325						T__				m_e	
CLZ	45.52		P	10:29:25.003	0.0	84.8		7.85		TAS		34.2	1.37	m_e mb	5.2
FBE	43.71		P	10:29:11.208	0.1	84.8		7.85		TAS		25.8	0.97	m_e mb	4.9
FLT1	44.97		P	10:29:19.901	0.3	84.8		7.85		TAS		41.4	1.13	m_e mb	5.3
FLT1	44.97		sP	10:30:37.504						T__				m_e	
GEC2	43.60		P	10:29:09.960	0.2	84.8		7.85		TAS		20.5	1.65	m_e mb	4.6
GRA1	45.15		P	10:29:23.276	0.1	84.8		7.85		TAS		50.9	1.57	m_e mb	5.2
GTTG	45.80		P	10:29:27.323		84.8		7.85		TAS		30.2	0.94	m_e mb	5.3
GTTG	45.80		sP	10:30:45.207						T__				m_e	
IBBN	47.10		P	10:29:37.161		84.8		7.85		TAS		28.5	0.98	m_e mb	5.4
MANZ	44.56		P	10:29:18.058	0.8	84.8		7.85		TAS		25.0	1.44	m_e mb	4.9
MANZ	44.56		sP	10:30:35.547						T__				m_e	
MOX	44.82		P	10:29:19.504	-0.0	84.8		7.85		TAS		27.7	1.50	m_e mb	5.0
NEUB	44.69		P	10:29:18.596	0.7	84.8		7.85		TAS		33.8	1.22	m_e mb	5.1
NEUB	44.69		sP	10:30:35.797						T__				m_e	
NRDL	45.65		P	10:29:26.096		84.8		7.85		TAS		57.4	1.88	m_e mb	5.3
ROTZ	44.51		P	10:29:17.826	-0.6	84.8		7.85		TAS		32.4	1.51	m_e mb	5.0

ROTZ	44.51	sP	10:30:35.502						T__					m_e	
TANN	44.30	P	10:29:15.838	0.4	84.8		7.85		TAS	18.6	1.54	m_e	mb		4.6
TANN	44.30	sP	10:30:33.227						T__					m_e	
TNS	46.88	sP	10:30:54.011						T__					m_e	
WERD	44.40	P	10:29:16.434	-0.3	84.8		7.85		TAS	17.6	1.31	m_e	mb		4.6
WERN	44.36	P	10:29:16.169	-0.1	84.8		7.85		TAS	23.4	1.78	m_e	mb		4.6
WLF	48.42	P	10:29:48.145		84.8		7.85		TAS	42.5	1.25	m_e	mb		5.4

Event 10514004 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/14	21:07:15.23		1.15	34.9680	71.2270				210.8	7.3		30	271	43.73	48.81	m i ke	BGR
	10514010																

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10514010
MBB	6.3		BGR	10514010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	48.10		P	21:15:31.993	0.1	85.3		7.84		TAS		136.4	1.18	m_e	MBB	6.4
ASSE	45.72		P	21:15:12.459	-0.6	85.3		7.84		TAS		415.7	2.00	m_e	MBB	6.4
BFO	47.58		P	21:15:27.445	-0.2	85.3		7.84		TAS		58.3	1.39	m_e	MBB	6.2
BFO	47.58		pP	21:16:13.386						T__				m_e		
BRG	43.73		P	21:14:57.488	-0.3	85.3		7.84		TAS		267.0	1.61	m_e	MBB	6.0
BRG	43.73		pP	21:15:42.730	-0.3					T__				m_e		
BSEG	45.88		P	21:15:14.189	0.7	85.3		7.84		TAS		748.6	1.87	m_e	MBB	6.6
BSEG	45.88		pP	21:16:01.100						T__				m_e		
BUG	47.88		P	21:15:29.975	-0.1	85.3		7.84		TAS		279.0	1.56	m_e	MBB	6.5
BUG	47.88		pP	21:16:15.729						T__				m_e		
CLL	44.31		P	21:15:01.531	-0.7	85.3		7.84		TAS		246.4	1.65	m_e	MBB	6.0
CLL	44.31		pP	21:15:46.685	0.4					T__				m_e		
CLZ	45.92		P	21:15:14.765	0.0	85.3		7.84		TAS		772.1	2.17	m_e	MBB	6.5
FBE	44.10		P	21:15:00.751	0.1	85.3		7.84		TAS		294.6	1.43	m_e	MBB	6.2
FBE	44.10		pP	21:15:45.910	0.7					T__				m_e		
FLT1	45.37		P	21:15:09.777	-0.5	85.3		7.84		TAS		292.6	1.28	m_e	MBB	6.4
FUR	45.64		P	21:15:13.164	0.5	85.3		7.84		TAS		1454.3	2.57	m_e	MBB	6.6
FUR	45.64		pP	21:15:58.694						T__				m_e		
GEC2	43.98		P	21:14:59.711	-0.0	85.3		7.84		TAS		168.3	1.81	m_e	MBB	5.9
GRA1	45.53		P	21:15:12.715	0.7	85.3		7.84		TAS		302.6	2.13	m_e	mb	6.0
GTTG	46.20		P	21:15:17.133	0.2	85.3		7.84		TAS		277.2	1.33	m_e	MBB	6.5
GTTG	46.20		pP	21:16:02.304						T__				m_e		
IBBN	47.50		P	21:15:26.933	-0.5	85.3		7.84		TAS		579.9	1.66	m_e	MBB	6.7
IBBN	47.50		pP	21:16:12.432						T__				m_e		
MANZ	44.94		P	21:15:07.751	0.4	85.3		7.84		TAS		341.6	1.83	m_e	MBB	6.3
MANZ	44.94		pP	21:15:53.088	-0.5					T__				m_e		
MOX	45.21		P	21:15:09.417	-0.0	85.3		7.84		TAS		499.5	2.06	m_e	MBB	6.3

MOX	45.21	pP	21:15:54.763	-0.4						T__						m_e	
NEUB	45.09	P	21:15:07.879	-0.5	85.3		7.84			TAS	317.3	1.58	m_e	MBB		6.3	
NEUB	45.09	pP	21:15:53.177	-0.1						T__						m_e	
NRDL	46.05	P	21:15:15.726	0.2	85.3		7.84			TAS	577.9	1.76	m_e	MBB		6.6	
RGN	44.12	P	21:15:00.098	0.8	85.3		7.84			TAS	2294.5	1.88	m_e	MBB		6.7	
RJOB	44.67	P	21:15:05.232	0.3	85.3		7.84			TAS	414.8	2.31	m_e	MBB		6.1	
ROTZ	44.89	P	21:15:07.527	0.6	85.3		7.84			TAS	649.4	2.13	m_e	MBB		6.4	
ROTZ	44.89	pP	21:15:52.998	0.3						T__						m_e	
RUE	43.81	P	21:14:57.377	-0.6	85.3		7.84			TAS	381.6	1.45	m_e	MBB		6.3	
STU	46.95	P	21:15:23.124	0.1	85.3		7.84			TAS	508.5	2.01	m_e	MBB		6.5	
STU	46.95	pP	21:16:08.941							T__						m_e	
TANN	44.69	P	21:15:05.276	-0.1	85.3		7.84			TAS	281.4	1.82	m_e	MBB		6.2	
TNS	47.27	P	21:15:25.481	0.0	85.3		7.84			TAS	90.8	1.37	m_e	MBB		6.3	
WERD	44.79	P	21:15:05.990	-0.1	85.3		7.84			TAS	248.2	1.73	m_e	MBB		6.1	
WERD	44.79	pP	21:15:51.387	-0.4						T__						m_e	
WERN	44.75	P	21:15:05.926	0.1	85.3		7.84			TAS	410.9	2.21	m_e	MBB		6.0	
WET	44.50	P	21:15:03.603	-0.3	85.3		7.84			TAS	199.0	1.94	m_e	MBB		5.9	
WLF	48.81	P	21:15:37.789		85.3		7.84			TAS	133.2	1.14	m_e	MBB		6.3	

Event 10514005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/14	22:30:32.51		1.15	43.2860	146.4030				43.7	0.8		28	271	76.12	81.59	m i ke	BGR
	10514011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10514011
Ms	4.5		BGR	10514011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.06		P	22:42:35.351	0.0	31.5		5.48		TAS		32.4	1.29	m_e	mb 5.1
ASSE	77.55		P	22:42:21.725	0.4	31.5		5.48		TAS		88.6	2.15	m_e	mb 5.5
ASSE	77.55		pP	22:42:34.310						T__				m_e	
BFO	81.59		P	22:42:43.534		31.5		5.48		TAS		11.7	0.90	m_e	mb 5.0
BFO	81.59		pP	22:42:56.228						T__				m_e	
BRG	77.51		P	22:42:21.306	0.1	31.5		5.48		TAS		20.1	1.39	m_e	mb 5.1
BRG	77.51		pP	22:42:33.967						T__				m_e	
BSEG	76.12		P	22:42:14.120	-0.1	31.5		5.48		TAS		43.1	0.97	m_e	mb 5.5
BSEG	76.12		pP	22:42:26.453						T__				m_e	
BUG	79.21		P	22:42:30.708	0.4	31.5		5.48		TAS		23.5	0.93	m_e	mb 5.2
BUG	79.21		pP	22:42:43.287						T__				m_e	
CLL	77.47		P	22:42:20.942	-0.0	31.5		5.48		TAS		28.7	0.80	m_e	mb 5.5
CLL	77.47		pP	22:42:33.561						T__				m_e	
CLZ	77.89		P	22:42:24.047	0.4	31.5		5.48		TAS		58.7	1.49	m_e	mb 5.5
CLZ	77.89		pP	22:42:36.593						T__				m_e	
FBE	77.68		P	22:42:22.600	-0.1	31.5		5.48		TAS		20.5	0.77	m_e	mb 5.3

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10515007
Ms	4.3		BGR	10515007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.20		P	00:03:10.078	-0.1	36.4		5.24		TAS		23.2	0.97	m_e mb	5.4
BFO	84.57		P	00:03:17.110		36.4		5.24		TAS		57.0	1.14	m_e mb	5.7
BRG	80.36		P	00:02:55.270	0.1	36.4		5.24		TAS		28.4	1.17	m_e mb	5.1
BSEG	79.27		P	00:02:49.700	-0.3	36.4		5.24		TAS		47.2	1.08	m_e mb	5.4
BUG	82.38		P	00:03:05.804	0.2	36.4		5.24		TAS		30.0	1.09	m_e mb	5.3
CLL	80.38		P	00:02:55.137	0.0	36.4		5.24		TAS		48.0	1.07	m_e mb	5.3
CLZ	80.94		P	00:02:58.692	0.3	36.4		5.24		TAS		58.3	1.20	m_e mb	5.5
FBE	80.55		P	00:02:56.495	-0.2	36.4		5.24		TAS		61.9	1.24	m_e mb	5.5
FLT1	80.23		P	00:02:54.344	-0.4	36.4		5.24		TAS		59.1	1.25	m_e mb	5.4
FUR	83.57		P	00:03:12.323		36.4		5.24		TAS		50.4	0.82	m_e mb	5.8
GEC2	82.05		P	00:03:03.916	-0.1	36.4		5.24		TAS		23.8	1.31	m_e mb	5.2
GRA1	82.36		P	00:03:06.368	-0.1	36.4		5.24		TAS		58.0	1.21	m_e mb	5.6
GRA1	82.36		L	00:44:03.517						T__		133.6	21.20	a_e Ms	4.3
GTTG	81.33		P	00:03:00.736	0.1	36.4		5.24		TAS		32.4	0.88	m_e mb	5.4
IBBN	81.49		P	00:03:01.299	-0.3	36.4		5.24		TAS		71.6	1.27	m_e mb	5.5
MANZ	81.78		P	00:03:02.823	0.1	36.4		5.24		TAS		16.9	0.87	m_e mb	5.2
MOX	81.44		P	00:03:00.835	0.5	36.4		5.24		TAS		28.4	1.42	m_e mb	5.1
MOX	81.44		L	00:43:56.670						T__		128.8	20.20	a_e Ms	4.3
NEUB	80.94		P	00:02:58.251	-0.1	36.4		5.24		TAS		66.9	1.18	m_e mb	5.6
NRDL	80.51		P	00:02:56.131	0.3	36.4		5.24		TAS		21.4	1.00	m_e mb	5.1
RJOB	83.30		P	00:03:10.939	-0.3	36.4		5.24		TAS		38.3	0.99	m_e mb	5.6
ROTZ	81.92		P	00:03:03.982	0.5	36.4		5.24		TAS		36.4	1.25	m_e mb	5.4
RUE	79.17		P	00:02:49.054	0.1	36.4		5.24		TAS		43.2	1.15	m_e mb	5.4
STU	83.89		P	00:03:13.722		36.4		5.24		TAS		58.2	1.30	m_e mb	5.7
TANN	81.30		P	00:03:00.214	0.1	36.4		5.24		TAS		23.3	1.59	m_e mb	5.0
TNS	82.97		P	00:03:09.018	0.1	36.4		5.24		TAS		39.1	1.43	m_e mb	5.4
WERD	81.34		P	00:03:00.404	-0.2	36.4		5.24		TAS		23.1	1.33	m_e mb	5.0
WERN	81.44		P	00:03:01.133	0.0	36.4		5.24		TAS		18.9	0.95	m_e mb	5.1
WET	82.15		P	00:03:04.810	0.0	36.4		5.24		TAS		25.4	1.18	m_e mb	5.2

Event 10515003 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/15	07:05:39.38		0.70	32.3170	104.8100				33.0				21 244	66.20	71.24	m i ke	BGR
10515009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10515009
Ms	4.2		BGR	10515009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	70.58		P	07:16:49.614		65.4		6.28		TAS		16.5	1.17	m_e	mb	5.0
BRG	66.20		P	07:16:22.499	0.5	65.4		6.28		TAS		10.8	0.87	m_e	mb	5.1
BSEG	67.06		P	07:16:28.298	-0.1	65.4		6.28		TAS		27.5	1.02	m_e	mb	5.4
CLL	66.58		P	07:16:24.477	-0.7	65.4		6.28		TAS		15.4	1.11	m_e	mb	5.1
CLZ	67.88		P	07:16:33.365	-0.3	65.4		6.28		TAS		27.0	1.00	m_e	mb	5.4
FLT1	67.19		P	07:16:28.186	-0.2	65.4		6.28		TAS		19.6	1.04	m_e	mb	5.3
FUR	68.89		P	07:16:40.403		65.4		6.28		TAS		47.4	1.11	m_e	mb	5.6
GEC2	67.13		P	07:16:28.819	-0.0	65.4		6.28		TAS		11.6	1.03	m_e	mb	5.0
GRA1	68.28		P	07:16:36.152		65.4		6.28		TAS		28.3	1.04	m_e	mb	5.4
GRA1	68.28		L	07:48:01.730						T__		209.2	20.80	a_e	Ms	4.3
GTTG	68.23		P	07:16:35.529		65.4		6.28		TAS		28.1	1.04	m_e	mb	5.4
MANZ	67.63		P	07:16:31.817	0.1	65.4		6.28		TAS		14.4	1.43	m_e	mb	5.0
MOX	67.65		P	07:16:31.704	0.1	65.4		6.28		TAS		27.0	1.79	m_e	mb	5.2
MOX	67.65		L	07:59:19.731						T__		112.4	21.50	a_e	Ms	4.1
NEUB	67.34		P	07:16:29.706	0.0	65.4		6.28		TAS		28.2	1.14	m_e	mb	5.4
NRDL	67.76		P	07:16:32.887	0.7	65.4		6.28		TAS		21.3	1.01	m_e	mb	5.3
ROTZ	67.66		P	07:16:32.493	0.3	65.4		6.28		TAS		19.0	1.02	m_e	mb	5.3
STU	69.87		P	07:16:45.554		65.4		6.28		TAS		15.4	1.09	m_e	mb	5.1
TANN	67.25		P	07:16:29.368	0.1	65.4		6.28		TAS		10.9	1.04	m_e	mb	5.0
WERD	67.33		P	07:16:29.875	0.2	65.4		6.28		TAS		9.2	1.06	m_e	mb	4.9
WERN	67.35		P	07:16:30.156	-0.2	65.4		6.28		TAS		10.4	1.05	m_e	mb	5.0
WET	67.51		P	07:16:31.254	0.5	65.4		6.28		TAS		12.8	1.36	m_e	mb	5.0
WLF	71.24		P	07:16:54.557		65.4		6.28		TAS		41.2	1.08	m_e	mb	5.5

Event 10515005 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/05/15	13:08:16.27		0.32	-1.2940	-24.9280				33.0				21	147	58.42	62.65	m i ke	BGR
10515011																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10515011
Ms	5.6		BGR	10515011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	58.42		P	13:18:10.275	-0.0	223.1		6.89		TAS		138.2	2.32	m_e	mb	5.6
BRG	61.59		P	13:18:32.143		223.1		6.89		TAS		43.0	1.88	m_e	mb	5.4
BRG	61.59		X	13:18:46.428						T__				m_e		
BSEG	62.31		P	13:18:36.449		223.1		6.89		TAS		70.6	1.67	m_e	mb	5.6
CLL	61.48		P	13:18:31.471		223.1		6.89		TAS		55.2	1.80	m_e	mb	5.1
CLL	61.48		X	13:18:46.083						T__				m_e		
CLZ	60.75		P	13:18:26.410	-0.4	223.1		6.89		TAS		46.5	2.16	m_e	mb	4.9
CLZ	60.75		X	13:18:40.621						T__				m_e		
FBE	61.36		P	13:18:30.774		223.1		6.89		TAS		130.6	2.38	m_e	mb	5.3
FBE	61.36		X	13:18:45.537						T__				m_e		

FLT1	61.47	P	13:18:31.139	223.1	6.89	TAS	32.3	1.70	m_e	mb	4.9
FLT1	61.47	X	13:18:45.574			T__			m_e		
FUR	58.44	P	13:18:10.386	-0.1 223.1	6.89	TAS	258.0	2.09	m_e	mb	5.9
FUR	58.44	X	13:18:25.105			T__			m_e		
GEC2	60.06	P	13:18:21.859	-0.0 223.1	6.89	TAS	35.0	1.43	m_e	mb	5.2
GEC2	60.06	X	13:18:36.323			T__			m_e		
GRA1	59.52	P	13:18:17.697	0.3 223.1	6.89	TAS	95.1	2.03	m_e	mb	5.5
GRA1	59.52	L	13:43:09.093			T__	4392.6	19.70	a_e	Ms	5.6
GTTG	60.36	P	13:18:23.977	0.5 223.1	6.89	TAS	50.8	1.52	m_e	mb	5.3
GTTG	60.36	X	13:18:38.485			T__			m_e		
IBBN	60.07	P	13:18:21.284	0.1 223.1	6.89	TAS	101.0	1.78	m_e	mb	5.6
IBBN	60.07	X	13:18:35.874			T__			m_e		
MANZ	60.13	P	13:18:21.992	-0.1 223.1	6.89	TAS	20.6	1.45	m_e	mb	5.0
MANZ	60.13	X	13:18:36.482			T__			m_e		
MOX	60.39	P	13:18:24.125	0.1 223.1	6.89	TAS	33.4	1.53	m_e	mb	5.1
MOX	60.39	X	13:18:38.682			T__			m_e		
MOX	60.39	L	13:50:17.772			T__	4413.6	18.30	a_e	Ms	5.6
NEUB	60.86	P	13:18:27.137	0.1 223.1	6.89	TAS	43.8	1.55	m_e	mb	5.1
NEUB	60.86	X	13:18:41.810			T__			m_e		
NRDL	61.13	P	13:18:29.442	223.1	6.89	TAS	59.4	1.65	m_e	mb	5.2
NRDL	61.13	X	13:18:44.094			T__			m_e		
ROTZ	60.02	P	13:18:21.254	-0.0 223.1	6.89	TAS	46.1	1.77	m_e	mb	5.2
ROTZ	60.02	X	13:18:35.899			T__			m_e		
RUE	62.65	P	13:18:39.648	223.1	6.89	TAS	108.5	1.63	m_e	mb	5.7
TANN	60.60	P	13:18:25.363	-0.1 223.1	6.89	TAS	51.7	1.69	m_e	mb	5.1
TANN	60.60	X	13:18:40.131			T__			m_e		
WERD	60.55	X	13:18:39.517			T__			m_e		
WERN	60.47	P	13:18:24.465	-0.2 223.1	6.89	TAS	48.7	1.87	m_e	mb	5.2
WERN	60.47	X	13:18:38.972			T__			m_e		
WET	59.88	P	13:18:20.391	0.1 223.1	6.89	TAS	102.9	2.31	m_e	mb	5.4
WET	59.88	X	13:18:34.974			T__			m_e		

Event 10515006 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/15	17:39:34.60		0.32	-20.9580	171.3570				33.0			19	147	145.10	149.47	m i ke	BGR
	10515012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.47		PKPbc	17:59:20.242		35.9		2.88		TAS				m_e	
BRG	145.27		PKPbc	17:59:08.535	0.3	35.9		2.88		TAS				m_e	
CLL	145.30		PKPbc	17:59:08.539	0.0	35.9		2.88		TAS				m_e	
CLZ	145.80		PKPbc	17:59:10.854	0.2	35.9		2.88		TAS				m_e	
FBE	145.47		PKPbc	17:59:09.525	-0.1	35.9		2.88		TAS				m_e	

FLT1	145.10	PKPbc	17:59:07.918	0.0	35.9	2.88	TAS	m_e
GEC2	146.93	PKPbc	17:59:13.674		35.9	2.88	TAS	m_e
GTTG	146.19	PKPbc	17:59:12.084	0.2	35.9	2.88	TAS	m_e
IBBN	146.22	PKPbc	17:59:11.952	-0.1	35.9	2.88	TAS	m_e
MANZ	146.69	PKPbc	17:59:13.216	-0.8	35.9	2.88	TAS	m_e
NEUB	145.85	PKPbc	17:59:10.611	0.4	35.9	2.88	TAS	m_e
NRDL	145.34	PKPbc	17:59:09.169	0.4	35.9	2.88	TAS	m_e
ROTZ	146.83	PKPbc	17:59:13.829		35.9	2.88	TAS	m_e
STU	148.79	PKPbc	17:59:18.964		35.9	2.88	TAS	m_e
TANN	146.22	PKPbc	17:59:11.820	0.4	35.9	2.88	TAS	m_e
WERD	146.25	PKPbc	17:59:11.886	0.2	35.9	2.88	TAS	m_e
WERN	146.35	PKPbc	17:59:12.393	-0.1	35.9	2.88	TAS	m_e
WET	147.05	PKPbc	17:59:14.264		35.9	2.88	TAS	m_e
WLF	149.03	PKPbc	17:59:20.371		35.9	2.88	TAS	m_e

Event 10515007 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/15	18:37:10.70		0.32	-6.1500	154.4400				43.2			26	147	123.68	129.09	m i ke	NEIC
OrigID 10515061																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0		BGR	10515013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	128.04		PKPpdf	18:56:12.382		48.0		1.90		TAS				m_e	
ASSE	125.33		PKPpdf	18:56:07.128	-0.0	48.0		1.90		TAS				m_e	
BFO	129.06		PKPpdf	18:56:13.471		48.0		1.90		TAS				m_e	
BRG	124.64		PKPpdf	18:56:05.701	-0.3	48.0		1.90		TAS				m_e	
BSEG	124.21		PKPpdf	18:56:05.026	-0.1	48.0		1.90		TAS				m_e	
BUG	127.30		PKPpdf	18:56:10.656	-0.7	48.0		1.90		TAS				m_e	
CLL	124.81		PKPpdf	18:56:05.851	0.3	48.0		1.90		TAS				m_e	
CLZ	125.66		PKPpdf	18:56:08.216	0.1	48.0		1.90		TAS				m_e	
FBE	124.90		PKPpdf	18:56:06.565	-0.3	48.0		1.90		TAS				m_e	
FLT1	124.94		PKPpdf	18:56:06.152	0.2	48.0		1.90		TAS				m_e	
GEC2	126.05		PKPpdf	18:56:08.516	0.1	48.0		1.90		TAS				m_e	
GRA1	126.73		PKPpdf	18:56:09.867	0.0	48.0		1.90		TAS				m_e	
GRA1	126.73		L	19:51:20.672						T__		3157.2	21.50	a_e Ms	6.0
GTTG	126.05		PKPpdf	18:56:08.629	-0.0	48.0		1.90		TAS				m_e	
IBBN	126.45		PKPpdf	18:56:09.380	0.1	48.0		1.90		TAS				m_e	
MANZ	126.11		PKPpdf	18:56:08.575	-0.0	48.0		1.90		TAS				m_e	
MOX	125.91		PKPpdf	18:56:08.028	0.0	48.0		1.90		TAS				m_e	
MOX	125.91		L	19:51:29.597						T__		4131.0	21.60	a_e Ms	6.1
NEUB	125.47		PKPpdf	18:56:07.353	0.4	48.0		1.90		TAS				m_e	
NRDL	125.32		PKPpdf	18:56:07.353	-0.0	48.0		1.90		TAS				m_e	
RUE	123.68		PKPpdf	18:56:03.900	-0.1	48.0		1.90		TAS				m_e	

STU	128.34	PKPdf	18:56:13.020		48.0	1.90	TAS		m_e
TANN	125.66	PKPdf	18:56:07.691	0.1	48.0	1.90	TAS		m_e
TNS	127.66	PKPdf	18:56:11.669	0.4	48.0	1.90	TAS		m_e
WERD	125.71	PKPdf	18:56:07.953	-0.2	48.0	1.90	TAS		m_e
WERN	125.78	PKPdf	18:56:08.028	0.1	48.0	1.90	TAS		m_e
WET	126.28	PKPdf	18:56:08.989	-0.3	48.0	1.90	TAS		m_e
WLF	129.09	PKPdf	18:56:14.784		48.0	1.90	TAS		m_e

Event 10515008 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
2011/05/15	19:07:47.31		0.32	39.2390	142.4680				69.7	0.4		25	147	78.47	83.78	m i ke	BGR
OrigID 10515014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10515014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.81		P	19:19:45.844	-0.0	36.1		5.29		TAS		16.7	1.29	m_e mb	4.8
BFO	83.78		P	19:20:06.448		36.1		5.29		TAS		19.7	0.90	m_e mb	5.3
BRG	79.58		P	19:19:44.502	0.1	36.1		5.29		TAS		10.3	0.83	m_e mb	4.8
BSEG	78.47		P	19:19:38.989	-0.2	36.1		5.29		TAS		22.7	0.92	m_e mb	5.3
BUG	81.58		P	19:19:54.969	-0.1	36.1		5.29		TAS		9.3	0.69	m_e mb	5.0
CLL	79.60		P	19:19:44.439	-0.0	36.1		5.29		TAS		19.0	0.80	m_e mb	5.1
CLZ	80.15		P	19:19:48.078	0.1	36.1		5.29		TAS		18.8	0.89	m_e mb	5.0
CLZ	80.15		pP	19:20:06.997						T__				m_e	
FBE	79.77		P	19:19:45.788	0.4	36.1		5.29		TAS		19.9	0.82	m_e mb	5.1
FLT1	79.44		P	19:19:43.420	-0.1	36.1		5.29		TAS		23.1	0.85	m_e mb	5.2
FLT1	79.44		pP	19:20:02.403						T__				m_e	
FUR	82.79		P	19:20:01.757		36.1		5.29		TAS		25.8	0.71	m_e mb	5.6
GEC2	81.27		P	19:19:53.435	0.1	36.1		5.29		TAS		5.8	0.81	m_e mb	4.7
GRA1	81.57		P	19:19:55.768	0.1	36.1		5.29		TAS		25.2	0.89	m_e mb	5.4
GTTG	80.54		P	19:19:50.017	-0.0	36.1		5.29		TAS		14.9	0.82	m_e mb	5.1
IBBN	80.69		P	19:19:50.684	0.1	36.1		5.29		TAS		17.7	0.65	m_e mb	5.2
MANZ	81.00		P	19:19:52.176	0.5	36.1		5.29		TAS		8.7	0.82	m_e mb	4.8
MOX	80.65		P	19:19:50.331	-0.2	36.1		5.29		TAS		9.4	0.98	m_e mb	4.8
MOX	80.65		pP	19:20:09.330						T__				m_e	
NEUB	80.15		P	19:19:47.553	0.3	36.1		5.29		TAS		24.2	0.86	m_e mb	5.2
NRDL	79.71		P	19:19:45.299	-0.2	36.1		5.29		TAS		8.0	0.78	m_e mb	4.7
NRDL	79.71		pP	19:20:04.179						T__				m_e	
RJOB	82.52		P	19:20:00.475		36.1		5.29		TAS		19.7	0.91	m_e mb	5.3
ROTZ	81.13		P	19:19:53.331	-0.2	36.1		5.29		TAS		9.4	0.91	m_e mb	4.8
STU	83.10		P	19:20:03.208		36.1		5.29		TAS		12.8	0.67	m_e mb	5.3
TNS	82.17		P	19:19:58.532	-0.5	36.1		5.29		TAS		9.2	0.92	m_e mb	4.9
WERD	80.55		P	19:19:49.822	0.2	36.1		5.29		TAS		6.1	0.99	m_e mb	4.6
WERN	80.65		P	19:19:50.495	0.4	36.1		5.29		TAS		10.0	0.96	m_e mb	4.8

WERN	80.65	pP	19:20:09.482						T__						m_e
WET	81.37	P	19:19:54.317	0.2	36.1		5.29		TAS		9.1	1.17	m_e	mb	4.7
WET	81.37	pP	19:20:13.326						T__						m_e

Event 10516005 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
2011/05/16	15:53:37.65		0.23	38.1870	141.7760				36.6				149	79.16	84.44	m i ke	BGR
OrigID 10516011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10516011
Ms	4.2		BGR	10516011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	84.44		P	16:06:04.426		37.1		5.25		TAS		24.3	1.17	m_e	mb	5.3
BFO	84.44		pP	16:06:15.174						T__				m_e		
BRG	80.21		P	16:05:42.593		37.1		5.25		TAS		13.6	1.06	m_e	mb	4.8
BRG	80.21		pP	16:05:53.132						T__				m_e		
BSEG	79.16		P	16:05:37.295		37.1		5.25		TAS		20.5	0.97	m_e	mb	5.1
CLL	80.24		P	16:05:42.477		37.1		5.25		TAS		21.8	0.93	m_e	mb	5.1
CLL	80.24		pP	16:05:53.102						T__				m_e		
CLZ	80.82		P	16:05:46.244		37.1		5.25		TAS		17.4	0.99	m_e	mb	5.0
FBE	80.41		P	16:05:43.885		37.1		5.25		TAS		19.3	0.85	m_e	mb	5.1
FBE	80.41		pP	16:05:54.294						T__				m_e		
FLT1	80.11		P	16:05:41.670		37.1		5.25		TAS		22.7	0.92	m_e	mb	5.1
FLT1	80.11		pP	16:05:52.224						T__				m_e		
FUR	83.42		P	16:05:59.517		37.1		5.25		TAS		19.2	0.65	m_e	mb	5.5
GEC2	81.89		P	16:05:51.206		37.1		5.25		TAS		5.8	0.84	m_e	mb	4.7
GEC2	81.89		pP	16:06:01.877						T__				m_e		
GRA1	82.22		P	16:05:53.725		37.1		5.25		TAS		27.0	0.96	m_e	mb	5.3
GRA1	82.22		pP	16:06:04.171						T__				m_e		
GRA1	82.22		L	17:07:14.601						T__	145.4	21.10	a_e	Ms	4.3	
GTTG	81.21		P	16:05:48.066		37.1		5.25		TAS		17.4	1.16	m_e	mb	5.0
IBBN	81.39		P	16:05:48.940		37.1		5.25		TAS		19.6	0.89	m_e	mb	5.1
MANZ	81.63		P	16:05:50.270		37.1		5.25		TAS		17.2	1.39	m_e	mb	5.0
MANZ	81.63		pP	16:06:00.926						T__				m_e		
MOX	81.31		P	16:05:48.341		37.1		5.25		TAS		10.9	1.37	m_e	mb	4.7
MOX	81.31		pP	16:05:59.063						T__				m_e		
MOX	81.31		L	17:08:12.990						T__	105.4	21.90	a_e	Ms	4.2	
NEUB	80.81		P	16:05:45.749		37.1		5.25		TAS		19.3	0.80	m_e	mb	5.2
RJOB	83.13		P	16:05:58.216		37.1		5.25		TAS		15.3	0.96	m_e	mb	5.2
ROTZ	81.77		P	16:05:51.468		37.1		5.25		TAS		20.4	1.35	m_e	mb	5.1
ROTZ	81.77		pP	16:06:02.001						T__				m_e		
TANN	81.16		P	16:05:47.543		37.1		5.25		TAS		5.8	1.14	m_e	mb	4.5
WERD	81.19		P	16:05:47.886		37.1		5.25		TAS		19.9	1.60	m_e	mb	4.9

WERN	81.29	P	16:05:48.561	37.1	5.25	TAS	9.8	0.94	m_e	mb	4.8
WERN	81.29	pP	16:05:59.260			T__					m_e
WET	81.99	P	16:05:52.226	37.1	5.25	TAS	11.3	1.12	m_e	mb	4.9
WET	81.99	pP	16:06:02.761			T__					m_e

Event 10516004 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/16	19:14:09.63		0.23	-20.1170	168.9210				31.6	0.7		21	149	143.03	147.79	m i ke	BGR
	10516010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.41		PKPbc	19:33:46.500		39.0		3.13		TAS					m_e
BFO	147.79		PKPbc	19:33:50.086	-0.6	39.0		3.13		TAS					m_e
BRG	143.52		PKPbc	19:33:36.909		39.0		3.13		TAS					m_e
BUG	145.58		PKPbc	19:33:43.846		39.0		3.13		TAS					m_e
CLL	143.58		PKPbc	19:33:36.903	0.0	39.0		3.13		TAS					m_e
CLZ	144.17		PKPbc	19:33:39.520	0.2	39.0		3.13		TAS					m_e
CLZ	144.17		sPKPbc	19:33:52.551						T__					m_e
FLT1	143.46		PKPbc	19:33:36.566		39.0		3.13		TAS					m_e
FLT1	143.46		sPKPbc	19:33:49.366						T__					m_e
FUR	146.70		PKPbc	19:33:47.488	0.1	39.0		3.13		TAS					m_e
FUR	146.70		sPKPbc	19:34:00.680						T__					m_e
GEC2	145.12		PKPbc	19:33:42.345	-0.1	39.0		3.13		TAS					m_e
GRA1	145.55		PKPbc	19:33:44.113	0.4	39.0		3.13		TAS					m_e
GRA1	145.55		sPKPbc	19:33:57.241						T__					m_e
GTTG	144.56		PKPbc	19:33:41.078	-0.6	39.0		3.13		TAS					m_e
GTTG	144.56		sPKPbc	19:33:54.022						T__					m_e
HLG	143.03		PKPbc	19:33:36.147		39.0		3.13		TAS					m_e
IBBN	144.68		PKPbc	19:33:41.078		39.0		3.13		TAS					m_e
IBBN	144.68		sPKPbc	19:33:54.172						T__					m_e
MANZ	144.96		PKPbc	19:33:41.957	0.1	39.0		3.13		TAS					m_e
MANZ	144.96		sPKPbc	19:33:55.154						T__					m_e
MOX	144.65		PKPbc	19:33:40.844	-0.0	39.0		3.13		TAS					m_e
MOX	144.65		sPKPbc	19:33:53.867						T__					m_e
NEUB	144.16		PKPbc	19:33:39.389	0.0	39.0		3.13		TAS					m_e
NEUB	144.16		sPKPbc	19:33:52.378						T__					m_e
RJOB	146.34		PKPbc	19:33:46.005	-0.3	39.0		3.13		TAS					m_e
ROTZ	145.09		PKPbc	19:33:42.707	0.5	39.0		3.13		TAS					m_e
ROTZ	145.09		sPKPbc	19:33:55.732						T__					m_e
STU	147.10		PKPbc	19:33:48.726	0.2	39.0		3.13		TAS					m_e
STU	147.10		sPKPbc	19:34:01.726						T__					m_e
TANN	144.48		PKPbc	19:33:40.281	-0.1	39.0		3.13		TAS					m_e
TANN	144.48		sPKPbc	19:33:53.573						T__					m_e

TNS	146.20	PKPbc	19:33:46.098	0.3	39.0	3.13	TAS	m_e
WERD	144.52	PKPbc	19:33:40.515	0.0	39.0	3.13	TAS	m_e
WERD	144.52	sPKPbc	19:33:53.657				T__	m_e
WERN	144.62	PKPbc	19:33:41.019	0.2	39.0	3.13	TAS	m_e
WERN	144.62	sPKPbc	19:33:54.161				T__	m_e
WET	145.26	PKPbc	19:33:42.767	-0.1	39.0	3.13	TAS	m_e
WLF	147.47	PKPbc	19:33:50.180		39.0	3.13	TAS	m_e
WLF	147.47	sPKPbc	19:34:03.346				T__	m_e

Event 10516006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/16	19:18:23.82		0.23	-20.6180	169.1790				38.8	1.5		22	149	144.28	148.34	m i ke	BGR
	10516012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.96		PKPbc	19:38:01.815		39.0		3.08		TAS				m_e	
BFO	148.34		PKPbc	19:38:05.613		39.0		3.08		TAS				m_e	
BFO	148.34		pPKPbc	19:38:17.311						T__				m_e	
BUG	146.13		PKPbc	19:37:59.143		39.0		3.08		TAS				m_e	
CLZ	144.72		PKPbc	19:37:54.949	-0.1	39.0		3.08		TAS				m_e	
CLZ	144.72		pPKPbc	19:38:06.514						T__				m_e	
FBE	144.28		PKPbc	19:37:53.230	-0.1	39.0		3.08		TAS				m_e	
FUR	147.26		PKPbc	19:38:02.907		39.0		3.08		TAS				m_e	
FUR	147.26		pPKPbc	19:38:14.551						T__				m_e	
GEC2	145.67		PKPbc	19:37:57.796	0.4	39.0		3.08		TAS				m_e	
GEC2	145.67		pPKPbc	19:38:09.337						T__				m_e	
GRA1	146.11		PKPbc	19:37:59.424		39.0		3.08		TAS				m_e	
GTTG	145.11		PKPbc	19:37:56.397	-0.4	39.0		3.08		TAS				m_e	
GTTG	145.11		pPKPbc	19:38:07.925						T__				m_e	
IBBN	145.23		PKPbc	19:37:56.624	-0.2	39.0		3.08		TAS				m_e	
IBBN	145.23		pPKPbc	19:38:08.058						T__				m_e	
MANZ	145.51		PKPbc	19:37:57.437	0.2	39.0		3.08		TAS				m_e	
MANZ	145.51		pPKPbc	19:38:09.001						T__				m_e	
MOX	145.20		PKPbc	19:37:56.290	-0.6	39.0		3.08		TAS				m_e	
MOX	145.20		pPKPbc	19:38:07.784						T__				m_e	
NEUB	144.71		PKPbc	19:37:54.626	0.4	39.0		3.08		TAS				m_e	
NEUB	144.71		pPKPbc	19:38:06.359						T__				m_e	
RJOB	146.89		PKPbc	19:38:01.068		39.0		3.08		TAS				m_e	
RJOB	146.89		pPKPbc	19:38:13.138						T__				m_e	
ROTZ	145.64		PKPbc	19:37:58.060	0.1	39.0		3.08		TAS				m_e	
ROTZ	145.64		pPKPbc	19:38:09.696						T__				m_e	
STU	147.65		PKPbc	19:38:03.963		39.0		3.08		TAS				m_e	
TANN	145.04		PKPbc	19:37:55.798	0.1	39.0		3.08		TAS				m_e	

TANN	145.04	pPKPbc	19:38:07.474							T__						m_e
TNS	146.75	PKPbc	19:38:01.633	39.0		3.08				TAS						m_e
TNS	146.75	pPKPbc	19:38:13.056							T__						m_e
WERD	145.08	PKPbc	19:37:56.049	0.3	39.0	3.08				TAS						m_e
WERD	145.08	pPKPbc	19:38:07.550							T__						m_e
WERN	145.17	PKPbc	19:37:56.373	0.4	39.0	3.08				TAS						m_e
WERN	145.17	pPKPbc	19:38:08.105							T__						m_e
WET	145.82	PKPbc	19:37:58.405	-0.4	39.0	3.08				TAS						m_e
WET	145.82	pPKPbc	19:38:09.947							T__						m_e
WLF	148.02	PKPbc	19:38:05.649	39.0		3.08				TAS						m_e
WLF	148.02	pPKPbc	19:38:17.310							T__						m_e

Event 10517001 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/17	00:30:39.68		0.11	36.5600	71.4600				233.3	6.1		29	261	42.88	47.98	m i ke	BGR
OrigID 10517007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10517007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.25		P	00:38:49.597	-0.2	84.3		7.89		TAS		43.1	1.00	m_e mb	5.5
ASSE	44.83		P	00:38:30.159	-0.3	84.3		7.89		TAS		16.0	0.96	m_e mb	4.9
BFO	46.80		P	00:38:45.350	-0.6	84.3		7.89		TAS		26.4	1.21	m_e mb	5.2
BRG	42.88		P	00:38:15.008	-0.3	84.3		7.89		TAS		58.7	0.85	m_e mb	5.3
BSEG	44.92		P	00:38:31.531	0.9	84.3		7.89		TAS		63.5	0.77	m_e mb	5.6
BSEG	44.92		pP	00:39:20.863						T__				m_e	
BUG	47.00		P	00:38:47.596	-0.1	84.3		7.89		TAS		61.5	0.95	m_e mb	5.7
BUG	47.00		pP	00:39:38.368						T__				m_e	
CLL	43.44		P	00:38:19.051	-0.7	84.3		7.89		TAS		34.6	0.91	m_e mb	5.1
CLZ	45.04		P	00:38:32.241	0.0	84.3		7.89		TAS		77.3	1.37	m_e mb	5.5
FBE	43.25		P	00:38:18.194	0.0	84.3		7.89		TAS		68.9	0.86	m_e mb	5.4
FLT1	44.47		P	00:38:27.096	-0.5	84.3		7.89		TAS		104.9	0.71	m_e mb	5.7
FLT1	44.47		pP	00:39:16.295						T__				m_e	
FUR	44.88		P	00:38:31.098	0.5	84.3		7.89		TAS		120.4	1.44	m_e mb	5.6
GEC2	43.20		P	00:38:17.540	0.0	84.3		7.89		TAS		15.2	0.96	m_e mb	4.7
GRA1	44.72		P	00:38:30.485	0.7	84.3		7.89		TAS		128.9	1.61	m_e mb	5.6
GTTG	45.32		P	00:38:34.651	0.2	84.3		7.89		TAS		88.4	0.80	m_e mb	5.7
IBBN	46.60		P	00:38:44.452	0.1	84.3		7.89		TAS		89.2	0.74	m_e mb	6.0
IBBN	46.60		pP	00:39:34.142						T__				m_e	
MANZ	44.12		P	00:38:25.381	0.4	84.3		7.89		TAS		38.5	1.00	m_e mb	5.1
MANZ	44.12		pP	00:39:14.727						T__				m_e	
MOX	44.37		P	00:38:26.973	-0.1	84.3		7.89		TAS		39.4	1.05	m_e mb	5.1
NEUB	44.22		P	00:38:25.585	-0.3	84.3		7.89		TAS		69.4	0.80	m_e mb	5.4
NRDL	45.15		P	00:38:33.303	0.4	84.3		7.89		TAS		56.9	0.93	m_e mb	5.5

NRDL	45.15	pP	00:39:22.734						T__							m_e	
RJOB	43.93	P	00:38:23.012	0.1	84.3		7.89		TAS	30.1	0.65	m_e	mb				5.2
ROTZ	44.08	P	00:38:25.258	0.6	84.3		7.89		TAS	39.8	1.12	m_e	mb				5.1
RUE	42.90	P	00:38:14.845	-0.4	84.3		7.89		TAS	64.7	0.97	m_e	mb				5.3
STU	46.16	P	00:38:40.940	-0.0	84.3		7.89		TAS	48.9	0.86	m_e	mb				5.6
TANN	43.85	P	00:38:22.849	-0.1	84.3		7.89		TAS	33.5	1.08	m_e	mb				5.0
TNS	46.43	P	00:38:43.104	-0.2	84.3		7.89		TAS	27.7	1.05	m_e	mb				5.2
WERD	43.95	P	00:38:23.666	-0.0	84.3		7.89		TAS	33.1	1.01	m_e	mb				5.0
WERN	43.92	P	00:38:23.625	0.2	84.3		7.89		TAS	14.1	0.92	m_e	mb				4.7
WET	43.71	P	00:38:21.420	-0.2	84.3		7.89		TAS	18.0	1.36	m_e	mb				4.6
WLF	47.98	P	00:38:55.453	-0.1	84.3		7.89		TAS	68.8	0.85	m_e	mb				5.8

Event 10517003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/17	10:35:29.17		0.42	-16.0530	-174.8650				33.0				14	122	145.10	147.78	m i ke BGR
OrigID 10517009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	10517009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.56		PKPbc	10:55:03.014		10.5		3.08		TAS				m_e	
BFO	147.71		PKPbc	10:55:09.585		10.5		3.08		TAS				m_e	
GEC2	146.55		PKPbc	10:55:06.260		10.5		3.08		TAS				m_e	
GRA1	146.09		PKPbc	10:55:05.026		10.5		3.08		TAS				m_e	
GRA1	146.09		L	11:58:28.340						T__		816.7	22.00	a_e Ms	5.5
MANZ	145.69		PKPbc	10:55:03.715		10.5		3.08		TAS				m_e	
MOX	145.10		PKPbc	10:55:01.344		10.5		3.08		TAS				m_e	
MOX	145.10		L	11:57:14.758						T__		928.6	22.00	a_e Ms	5.5
RJOB	147.78		PKPbc	10:55:09.510		10.5		3.08		TAS				m_e	
ROTZ	145.89		PKPbc	10:55:04.339		10.5		3.08		TAS				m_e	
TANN	145.22		PKPbc	10:55:01.791		10.5		3.08		TAS				m_e	
TNS	145.81		PKPbc	10:55:03.984		10.5		3.08		TAS				m_e	
WERD	145.21		PKPbc	10:55:01.672		10.5		3.08		TAS				m_e	
WERN	145.35		PKPbc	10:55:02.373		10.5		3.08		TAS				m_e	
WET	146.40		PKPbc	10:55:06.110		10.5		3.08		TAS				m_e	
WLF	146.47		PKPbc	10:55:06.559		10.5		3.08		TAS				m_e	

Event 10518002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/18	08:10:14.00		0.59	-15.5920	-175.5440				47.9				9	291	144.56	147.21	m i ke NEIC
OrigID																	

10518084

Magnitude Err Nsta Author OrigID
 Ms 4.9 BGR 10518008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.20		PKPbc	08:29:51.679		10.0		2.77		TAS				m_e	
FUR	147.04		PKPbc	08:29:51.553		10.0		2.77		TAS				m_e	
GEC2	145.98		PKPbc	08:29:48.479		10.0		2.77		TAS				m_e	
GRA1	145.55		PKPbc	08:29:47.241		10.0		2.77		TAS				m_e	
GRA1	145.55		L	09:32:34.510						T__		206.8	21.00	a_e Ms	4.9
MOX	144.56		L	09:34:34.711						T__		204.8	19.60	a_e Ms	4.9
RJOB	147.21		PKPbc	08:29:52.046		10.0		2.77		TAS				m_e	
ROTZ	145.34		PKPbc	08:29:46.427		10.0		2.77		TAS				m_e	
TNS	145.31		PKPbc	08:29:46.113		10.0		2.77		TAS				m_e	
WERN	144.80		PKPbc	08:29:45.722		10.0		2.77		TAS				m_e	
WLF	145.99		PKPbc	08:29:48.817		10.0		2.77		TAS				m_e	

Event 10518007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/18	17:15:58.15		0.47	40.0790	145.8240				42.0				213	79.88	84.25	m i ke	BGR
OrigID 10518013																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 10518013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.78		P	17:28:16.083		33.4		5.26		TAS		13.8	0.96	m_e mb	5.2
BFO	84.25		P	17:28:23.583		33.4		5.26		TAS		33.3	1.78	m_e mb	5.3
BRG	80.12		P	17:28:01.640		33.4		5.26		TAS		5.9	1.02	m_e mb	4.5
BRG	80.12		pP	17:28:13.695						T__				m_e	
BUG	81.94		P	17:28:11.545		33.4		5.26		TAS		13.1	0.90	m_e mb	5.1
CLL	80.10		P	17:28:01.344		33.4		5.26		TAS		12.4	0.87	m_e mb	4.9
CLL	80.10		pP	17:28:13.460						T__				m_e	
CLZ	80.58		P	17:28:04.589		33.4		5.26		TAS		13.2	0.89	m_e mb	5.0
CLZ	80.58		pP	17:28:16.854						T__				m_e	
FBE	80.30		P	17:28:02.863		33.4		5.26		TAS		9.4	0.85	m_e mb	4.7
FBE	80.30		pP	17:28:14.979						T__				m_e	
FLT1	79.88		P	17:28:00.096		33.4		5.26		TAS		13.2	0.83	m_e mb	4.9
FLT1	79.88		pP	17:28:12.217						T__				m_e	
GEC2	81.87		P	17:28:10.754		33.4		5.26		TAS		9.0	1.37	m_e mb	4.7
GEC2	81.87		pP	17:28:22.976						T__				m_e	
GRA1	82.08		P	17:28:12.657		33.4		5.26		TAS		15.5	1.10	m_e mb	5.0
GTTG	80.96		P	17:28:06.577		33.4		5.26		TAS		8.1	0.77	m_e mb	4.8
GTTG	80.96		pP	17:28:18.730						T__				m_e	

IBBN	81.04	P	17:28:06.901	33.4	5.26	TAS	10.3	0.84	m_e	mb	4.9
IBBN	81.04	pP	17:28:19.047			T__			m_e		
MANZ	81.52	P	17:28:09.286	33.4	5.26	TAS	6.2	1.01	m_e	mb	4.7
MANZ	81.52	pP	17:28:21.477			T__			m_e		
MOX	81.15	P	17:28:07.269	33.4	5.26	TAS	5.6	0.97	m_e	mb	4.6
MOX	81.15	pP	17:28:19.400			T__			m_e		
NEUB	80.64	P	17:28:04.383	33.4	5.26	TAS	10.1	0.86	m_e	mb	4.9
NEUB	80.64	pP	17:28:16.576			T__			m_e		
ROTZ	81.66	P	17:28:10.434	33.4	5.26	TAS	7.7	1.11	m_e	mb	4.7
TANN	81.04	pP	17:28:18.747			T__			m_e		
TNS	82.60	P	17:28:14.978	33.4	5.26	TAS	12.0	1.22	m_e	mb	5.0
WERD	81.06	P	17:28:06.820	33.4	5.26	TAS	6.1	1.15	m_e	mb	4.5
WERD	81.06	pP	17:28:18.966			T__			m_e		
WERN	81.17	P	17:28:07.566	33.4	5.26	TAS	5.6	0.89	m_e	mb	4.6
WERN	81.17	pP	17:28:19.783			T__			m_e		
WET	81.93	P	17:28:11.744	33.4	5.26	TAS	11.4	1.13	m_e	mb	4.9
WET	81.93	pP	17:28:23.741			T__			m_e		
WLF	83.84	P	17:28:20.452	33.4	5.26	TAS	21.4	1.56	m_e	mb	5.1

Event 10518005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/18	17:19:32.81		0.47	-21.6900	-176.6900				33.0			28	213	147.37	153.12	m i ke	BGR
	10518011																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.05		PKPbc	17:39:22.217	-0.2	13.9		2.49		TAS				m_e	
ASSE	149.08		PKPbc	17:39:17.417	0.1	13.9		2.49		TAS				m_e	
BFO	153.12		PKPbc	17:39:26.979		13.9		2.49		TAS				m_e	
BFO	153.12		PKPab	17:39:38.439		14.8		4.28		TAS				m_e	
BRG	149.70		PKPdf	17:39:15.147	-0.2					T__				m_e	
BRG	149.70		PKPbc	17:39:18.782	0.5	13.9		2.49		TAS				m_e	
BRG	149.70		PKPab	17:39:24.198	-0.1	14.8		4.28		TAS				m_e	
BSEG	147.37		PKPbc	17:39:12.821	-0.2	13.9		2.49		TAS				m_e	
CLL	149.49		PKPdf	17:39:14.671	-0.2					T__				m_e	
CLL	149.49		PKPbc	17:39:18.453	0.2	13.9		2.49		TAS				m_e	
CLZ	149.41		PKPdf	17:39:14.926	-0.2					T__				m_e	
CLZ	149.41		PKPbc	17:39:18.315	-0.3	13.9		2.49		TAS				m_e	
FBE	149.78		PKPbc	17:39:19.722	-0.0	13.9		2.49		TAS				m_e	
FBE	149.78		PKPab	17:39:24.643		14.8		4.28		TAS				m_e	
FLT1	148.81		PKPbc	17:39:16.424	0.1	13.9		2.49		TAS				m_e	
FLT1	148.81		PKPab	17:39:20.189	0.2	14.8		4.28		TAS				m_e	
FUR	152.82		PKPab	17:39:37.393		14.8		4.28		TAS				m_e	
GEC2	151.66		PKPbc	17:39:23.670	-0.5	13.9		2.49		TAS				m_e	

GEC2	151.66	PKPab	17:39:32.395		14.8	4.28	TAS	m_e
GRA1	151.36	PKPbc	17:39:23.313	0.3	13.9	2.49	TAS	m_e
GRA1	151.36	PKPab	17:39:31.436		14.8	4.28	TAS	m_e
GTTG	149.75	PKPbc	17:39:19.198	0.1	13.9	2.49	TAS	m_e
GTTG	149.75	PKPab	17:39:24.588		14.8	4.28	TAS	m_e
IBBN	149.24	PKPbc	17:39:17.676	0.0	13.9	2.49	TAS	m_e
IBBN	149.24	PKPab	17:39:22.361	0.1	14.8	4.28	TAS	m_e
MANZ	150.92	PKPdf	17:39:17.067	-0.2			T__	m_e
MANZ	150.92	PKPbc	17:39:22.204	0.2	13.9	2.49	TAS	m_e
MANZ	150.92	PKPab	17:39:29.214		14.8	4.28	TAS	m_e
MOX	150.38	PKPdf	17:39:16.139	-0.2			T__	m_e
MOX	150.38	PKPbc	17:39:20.606	0.3	13.9	2.49	TAS	m_e
MOX	150.38	PKPab	17:39:26.868		14.8	4.28	TAS	m_e
NEUB	149.82	PKPbc	17:39:19.350	0.1	13.9	2.49	TAS	m_e
NEUB	149.82	PKPab	17:39:24.699		14.8	4.28	TAS	m_e
NRDL	148.81	PKPbc	17:39:16.713	-0.2	13.9	2.49	TAS	m_e
NRDL	148.81	PKPab	17:39:20.356	0.0	14.8	4.28	TAS	m_e
RJOB	152.91	PKPab	17:39:38.200		14.8	4.28	TAS	m_e
ROTZ	151.11	PKPbc	17:39:22.535	0.2	13.9	2.49	TAS	m_e
RUE	148.22	PKPbc	17:39:15.089	0.0	13.9	2.49	TAS	m_e
STU	152.57	PKPbc	17:39:26.084		13.9	2.49	TAS	m_e
TANN	150.44	PKPbc	17:39:21.045	0.0	13.9	2.49	TAS	m_e
TANN	150.44	PKPab	17:39:27.378		14.8	4.28	TAS	m_e
TNS	151.24	PKPbc	17:39:23.045	-0.4	13.9	2.49	TAS	m_e
TNS	151.24	PKPab	17:39:30.770		14.8	4.28	TAS	m_e
WERD	150.44	PKPbc	17:39:20.921	0.2	13.9	2.49	TAS	m_e
WERD	150.44	PKPab	17:39:27.303		14.8	4.28	TAS	m_e
WERN	150.58	PKPbc	17:39:21.459	-0.2	13.9	2.49	TAS	m_e
WERN	150.58	PKPab	17:39:28.040		14.8	4.28	TAS	m_e
WET	151.56	PKPbc	17:39:23.486	-0.0	13.9	2.49	TAS	m_e
WET	151.56	PKPab	17:39:32.215		14.8	4.28	TAS	m_e
WLF	151.99	PKPbc	17:39:25.216		13.9	2.49	TAS	m_e
WLF	151.99	PKPab	17:39:34.300		14.8	4.28	TAS	m_e

Event 10518006 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
2011/05/18	17:42:48.10		0.47	56.8370	163.8820				32.8	0.7		30	213	66.41	73.24	m i ke	BGR
10518012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10518012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.28		P	17:54:02.199	0.0	15.4		6.06		TAS		22.3	1.05	m_e mb	5.2
AHRW	71.28		sP	17:54:15.207						T__				m_e	

ASSE	69.18	P	17:53:49.477	0.2	15.4	6.06	TAS	53.5	1.44	m_e	mb	5.6
ASSE	69.18	sP	17:54:02.413				T__			m_e		
BFO	73.24	P	17:54:13.496		15.4	6.06	TAS	31.6	1.03	m_e	mb	5.4
BFO	73.24	sP	17:54:26.789				T__			m_e		
BRG	69.82	P	17:53:53.002	0.1	15.4	6.06	TAS	31.3	1.18	m_e	mb	5.3
BRG	69.82	sP	17:54:06.073				T__			m_e		
BSEG	67.50	P	17:53:39.327	0.1	15.4	6.06	TAS	43.1	1.06	m_e	mb	5.6
BSEG	67.50	sP	17:53:52.562				T__			m_e		
BUG	70.38	P	17:53:56.551	-0.0	15.4	6.06	TAS	36.5	1.02	m_e	mb	5.5
BUG	70.38	sP	17:54:09.865				T__			m_e		
CLL	69.58	P	17:53:51.406	-0.3	15.4	6.06	TAS	51.9	1.22	m_e	mb	5.5
CLL	69.58	sP	17:54:04.791				T__			m_e		
CLZ	69.51	P	17:53:51.702	-0.4	15.4	6.06	TAS	56.1	1.16	m_e	mb	5.6
CLZ	69.51	sP	17:54:04.971				T__			m_e		
FBE	69.88	P	17:53:53.871	-0.3	15.4	6.06	TAS	59.0	1.23	m_e	mb	5.6
FBE	69.88	sP	17:54:06.962				T__			m_e		
FLT1	68.90	P	17:53:47.183	-0.0	15.4	6.06	TAS	19.3	1.12	m_e	mb	5.2
FLT1	68.90	sP	17:54:00.307				T__			m_e		
FUR	72.91	P	17:54:11.793	0.1	15.4	6.06	TAS	46.8	1.16	m_e	mb	5.5
FUR	72.91	sP	17:54:25.278				T__			m_e		
GEC2	71.81	P	17:54:05.397	0.2	15.4	6.06	TAS	29.3	1.17	m_e	mb	5.3
GEC2	71.81	sP	17:54:18.533				T__			m_e		
GRA1	71.45	P	17:54:03.555	0.4	15.4	6.06	TAS	70.4	1.14	m_e	mb	5.7
GRA1	71.45	sP	17:54:16.781				T__			m_e		
GTTG	69.86	P	17:53:53.683	0.2	15.4	6.06	TAS	31.7	1.29	m_e	mb	5.3
GTTG	69.86	sP	17:54:06.921				T__			m_e		
IBBN	69.46	P	17:53:51.215	0.3	15.4	6.06	TAS	56.7	1.01	m_e	mb	5.7
IBBN	69.46	sP	17:54:04.437				T__			m_e		
MANZ	71.01	P	17:54:00.461	0.3	15.4	6.06	TAS	31.7	1.16	m_e	mb	5.3
MANZ	71.01	sP	17:54:13.670				T__			m_e		
MOX	70.46	P	17:53:57.194	0.1	15.4	6.06	TAS	34.3	1.10	m_e	mb	5.4
MOX	70.46	sP	17:54:10.338				T__			m_e		
NEUB	69.90	P	17:53:53.544	-0.0	15.4	6.06	TAS	31.4	1.10	m_e	mb	5.4
NEUB	69.90	sP	17:54:06.691				T__			m_e		
NRDL	68.92	P	17:53:47.809	0.0	15.4	6.06	TAS	17.7	1.00	m_e	mb	5.2
NRDL	68.92	sP	17:54:00.742				T__			m_e		
RGN	66.41	P	17:53:32.565	-0.1	15.4	6.06	TAS	99.9	1.11	m_e	mb	6.0
RGN	66.41	sP	17:53:45.788				T__			m_e		
RJOB	73.04	P	17:54:12.954	-0.6	15.4	6.06	TAS	30.8	1.01	m_e	mb	5.4
RJOB	73.04	sP	17:54:26.213				T__			m_e		
ROTZ	71.20	P	17:54:02.041	0.1	15.4	6.06	TAS	42.8	1.22	m_e	mb	5.4
ROTZ	71.20	sP	17:54:15.129				T__			m_e		
RUE	68.32	P	17:53:44.141	-0.5	15.4	6.06	TAS	38.0	0.84	m_e	mb	5.7
RUE	68.32	sP	17:53:57.155				T__			m_e		
STU	72.68	P	17:54:10.206	-0.3	15.4	6.06	TAS	49.3	1.46	m_e	mb	5.4
STU	72.68	sP	17:54:23.555				T__			m_e		
TANN	70.53	P	17:53:57.837	0.2	15.4	6.06	TAS	33.5	1.27	m_e	mb	5.3
TANN	70.53	sP	17:54:11.191				T__			m_e		
TNS	71.39	P	17:54:02.790	0.4	15.4	6.06	TAS	29.7	1.15	m_e	mb	5.3

Event 10518009 South of Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/18	21:39:42.60		0.47	-25.3720	-175.9680				32.7			27	213	151.09	156.84	m i ke	NEIC
OrigID 10518091																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	10518015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	152.81		PKPbc	21:59:36.370	0.1	15.6		2.40		TAS					m_e
BFO	156.84		PKPbc	21:59:47.063		15.6		2.40		TAS					m_e
BFO	156.84		PKPab	22:00:04.030		15.6		2.40		TAS					m_e
BRG	153.42		PKPdf	21:59:30.245		15.6		2.40		TAS					m_e
BRG	153.42		PKPbc	21:59:37.936	0.6	15.6		2.40		TAS					m_e
BRG	153.42		PKPab	21:59:49.945		15.6		2.40		TAS					m_e
BSEG	151.09		PKPbc	21:59:32.502	-0.2	15.6		2.40		TAS					m_e
BUG	153.85		PKPab	21:59:51.418		15.6		2.40		TAS					m_e
CLL	153.21		PKPbc	21:59:36.999	-0.1	15.6		2.40		TAS					m_e
CLZ	153.13		PKPbc	21:59:37.292	0.3	15.6		2.40		TAS					m_e
FBE	153.50		PKPdf	21:59:30.429		15.6		2.40		TAS					m_e
FBE	153.50		PKPbc	21:59:38.397	-0.1	15.6		2.40		TAS					m_e
FBE	153.50		PKPab	21:59:50.590		15.6		2.40		TAS					m_e
FLT1	152.53		PKPbc	21:59:35.526	-0.6	15.6		2.40		TAS					m_e
FUR	156.55		PKPab	22:00:03.478		15.6		2.40		TAS					m_e
GEC2	155.37		PKPdf	21:59:32.546		15.6		2.40		TAS					m_e
GEC2	155.37		PKPbc	21:59:41.603		15.6		2.40		TAS					m_e
GEC2	155.37		PKPab	21:59:58.323		15.6		2.40		TAS					m_e
GRA1	155.09		PKPab	21:59:57.126		15.6		2.40		TAS					m_e
GRA1	155.09		L	23:13:03.706						T__		322.1	21.60	a_e Ms	5.1
GTTG	153.47		PKPbc	21:59:37.920	-0.1	15.6		2.40		TAS					m_e
GTTG	153.47		PKPab	21:59:50.037		15.6		2.40		TAS					m_e
IBBN	152.95		PKPbc	21:59:36.647	-0.1	15.6		2.40		TAS					m_e
IBBN	152.95		PKPab	21:59:48.012		15.6		2.40		TAS					m_e
MANZ	154.64		PKPdf	21:59:31.810		15.6		2.40		TAS					m_e
MANZ	154.64		PKPbc	21:59:40.516	-0.8	15.6		2.40		TAS					m_e
MOX	154.10		PKPdf	21:59:30.797		15.6		2.40		TAS					m_e
MOX	154.10		PKPbc	21:59:39.226	-0.1	15.6		2.40		TAS					m_e
MOX	154.10		PKPab	21:59:52.523		15.6		2.40		TAS					m_e
MOX	154.10		L	23:08:52.149						T__		289.9	20.90	a_e Ms	5.1
NEUB	153.54		PKPbc	21:59:37.936	0.1	15.6		2.40		TAS					m_e
NEUB	153.54		PKPab	21:59:50.221		15.6		2.40		TAS					m_e
NRDL	152.53		PKPbc	21:59:35.633	-0.0	15.6		2.40		TAS					m_e
RJOB	156.63		PKPab	22:00:04.399		15.6		2.40		TAS					m_e
ROTZ	154.83		PKPdf	21:59:32.086		15.6		2.40		TAS					m_e

ROTZ	154.83	PKPbc	21:59:40.976	15.6	2.40	TAS	m_e
ROTZ	154.83	PKPab	21:59:56.113	15.6	2.40	TAS	m_e
RUE	151.94	PKPbc	21:59:34.712	-0.1 15.6	2.40	TAS	m_e
STU	156.29	PKPab	22:00:01.729	15.6	2.40	TAS	m_e
TNS	154.96	PKPab	21:59:56.297	15.6	2.40	TAS	m_e
WERD	154.16	PKPbc	21:59:39.502	-0.1 15.6	2.40	TAS	m_e
WERD	154.16	PKPab	21:59:52.983	15.6	2.40	TAS	m_e
WERN	154.30	PKPbc	21:59:40.055	-0.5 15.6	2.40	TAS	m_e
WERN	154.30	PKPab	21:59:53.628	15.6	2.40	TAS	m_e
WET	155.28	PKPdf	21:59:32.546	15.6	2.40	TAS	m_e
WET	155.28	PKPbc	21:59:41.621	15.6	2.40	TAS	m_e
WET	155.28	PKPab	21:59:58.231	15.6	2.40	TAS	m_e
WLF	155.69	PKPab	21:59:59.796	15.6	2.40	TAS	m_e

Event 10519006 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
2011/05/19	08:33:12.79		0.49	40.8850	142.4340				33.0				7 118	77.98	82.33	m i ke	BGR
OrigID 10519012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10519012
Ms	4.4		BGR	10519012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	82.33		P	08:45:30.217		35.3		5.41		TAS		26.5	1.47	m_e mb	5.2
CLL	78.15		P	08:45:07.377	-0.3	35.3		5.41		TAS		17.2	1.22	m_e mb	5.0
CLZ	78.68		P	08:45:11.381		35.3		5.41		TAS		14.9	1.24	m_e mb	4.9
FLT1	77.98		P	08:45:06.535	0.2	35.3		5.41		TAS		23.3	1.43	m_e mb	5.1
GRA1	80.13		L	09:25:28.157						T__		156.4	19.10	a_e Ms	4.4
GRB3	80.19		P	08:45:17.418		35.3		5.41		TAS				m_e	
MOX	79.21		P	08:45:13.856		35.3		5.41		TAS		14.1	1.40	m_e mb	4.8
ROTZ	79.70		P	08:45:16.343		35.3		5.41		TAS		13.6	1.33	m_e mb	4.7
WET	79.94		P	08:45:17.810		35.3		5.41		TAS		7.7	1.08	m_e mb	4.5

Event 10519007 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/19	08:55:14.17		0.49	45.5650	147.0560				33.0				118	77.64	77.76	m i ke	BGR
OrigID 10519013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10519013

Ms 4.5 BGR 10519013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA2	77.64		L	09:47:48.248						T__		190.5	18.50	a_e	Ms 4.5
GRB3	77.76		P	09:07:06.048		26.3		4.66		TAS		27.0	1.73	m_e	mb 5.1
GRB4	77.73		P	09:07:06.313		26.3		4.66		TAS		12.4	1.03	m_e	mb 5.0

Event 10519008 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
2011/05/19	09:12:53.49		0.49	38.0290	142.5780				33.0					118	82.22	84.88	m i ke BGR
OrigID 10519014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10519014
Ms	5.2		BGR	10519014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.88		P	09:25:23.079		41.1		4.51		TAS				m_e	
GRA1	82.67		P	09:25:12.431		41.1		4.51		TAS		68.6	1.64	m_e	mb 5.6
GRA1	82.67		L	10:05:25.223						T__		1059.7	20.50	a_e	Ms 5.2
ROTZ	82.22		P	09:25:09.924		41.1		4.51		TAS		17.1	1.61	m_e	mb 4.9

Event 10519009 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/19	14:49:33.46	2.57	0.56	33.4210	16.7110	37.8	32.2	145	33.0					29	342	14.60	21.00 m i ke BGR
OrigID 10519015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10519015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	18.52		P	14:53:45.136	-0.5					T__				a_e	
ASSE	19.20		P	14:53:53.797	0.1					T__				m_e	
BFO	16.17		P	14:53:16.633	-0.0					T__		256.3	0.77	m_e	mb 5.4
BRG	17.56		P	14:53:34.252	0.2					T__				m_e	
BSEG	21.00		P	14:54:12.400	-1.3					T__		210.8	1.16	m_e	mb 5.4
BUG	19.28		P	14:53:54.923	0.4					T__				m_e	
CLL	18.08		P	14:53:40.979	0.6					T__		169.6	0.99	m_e	mb 5.1
CLZ	18.98		P	14:53:51.236	0.2					T__				a_e	
FBE	17.66		P	14:53:35.899	0.6					T__				m_e	
FLT1	19.31		P	14:53:54.736	-0.1					T__				a_e	

mb	5.2	BGR	10519017
Ms	4.8	BGR	10519017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	17.76		P	20:19:50.853	-0.5	123.1		12.71		TAS		156.5	1.09	m_e	mb 5.1
BFO	16.07		P	20:19:30.237	2.1	123.1		12.71		TAS		358.6	1.12	m_e	mb 5.4
BRG	14.38		P	20:19:07.000	0.1	123.1		12.71		TAS		191.8	1.18	m_e	
BSEG	18.09		P	20:19:52.994	1.0	123.1		12.71		TAS		823.6	1.42	m_e	
BUG	18.09		P	20:19:54.874	-0.8	123.1		12.71		TAS		146.4	1.25	m_e	
CLL	15.11		P	20:19:16.424	0.2	123.1		12.71		TAS		271.0	1.43	m_e	
CLZ	16.71		P	20:19:38.816	1.5	123.1		12.71		TAS		196.6	1.29	m_e	
FUR	14.22		P	20:19:05.372	-0.4	123.1		12.71		TAS		672.7	1.69	m_e	
GEC2	13.21		P	20:18:52.707	-0.9	123.1		12.71		TAS		296.9	1.57	m_e	
GRA1	15.03		P	20:19:15.456	-1.3	123.1		12.71		TAS		248.4	1.25	m_e	
GRA1	15.03		L	20:51:32.854						T__		7072.5	19.40	a_e	Ms 4.8
GTTG	16.74		P	20:19:38.503	0.4	123.1		12.71		TAS		368.0	1.51	m_e	
IBBN	18.30		P	20:19:57.054	-0.9	123.1		12.71		TAS		462.8	1.19	m_e	
MOX	15.37		P	20:19:19.499	-1.2	123.1		12.71		TAS		551.0	1.80	m_e	
NRDL	17.25		P	20:19:44.695	1.1	123.1		12.71		TAS		395.7	1.63	m_e	
RJOB	13.12		P	20:18:54.529	2.6	123.1		12.71		TAS		138.8	1.08	m_e	
ROTZ	14.54		P	20:19:09.185	-1.4	123.1		12.71		TAS		405.9	1.45	m_e	
STU	15.73		P	20:19:24.850	0.1	123.1		12.71		TAS		731.1	1.43	m_e	
TNS	16.84		P	20:19:39.443	-0.2	123.1		12.71		TAS		227.1	1.15	m_e	
WET	13.83		P	20:19:00.524	-0.9	123.1		12.71		TAS		373.5	1.31	m_e	
WLF	17.92		P	20:19:51.961	-0.4	123.1		12.71		TAS		267.9	1.14	m_e	

Event 10519012 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/19	20:39:06.64			34.2040	23.0410				33.0					15.56	21.68	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10519018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	21.68		P	20:43:52.235		148.5		11.09		TAS		130.5	1.50	m_e	mb 5.1
CLL	18.58		P	20:43:19.998		148.5		11.09		TAS		94.7	1.46	m_e	mb 4.8
GRA1	17.76		P	20:43:12.395		148.5		11.09		TAS				m_e	
RJOB	15.56		P	20:42:44.538		148.5		11.09		TAS				m_e	
TNS	19.26		P	20:43:29.024		148.5		11.09		TAS		74.0	1.15	m_e	mb 4.8
WET	16.72		P	20:42:59.582		148.5		11.09		TAS				m_e	

Event 10520006 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
2011/05/20	00:46:22.40		0.54	36.8840	141.8490				33.0			29	335	78.77	85.61	m i ke	BGR
OrigID																	
10520012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10520012
MBB	6.3		BGR	10520012
Ms	5.7		BGR	10520012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.27		P	00:58:49.213	0.0	37.7		5.16		TAS		75.0	0.99	m_e	mb 5.9
ASSE	81.65		P	00:58:35.601	-0.1	37.7		5.16		TAS		59.4	1.12	m_e	mb 5.6
BFO	85.61		P	00:58:55.582		37.7		5.16		TAS		130.8	0.94	a_e	MBB 6.3
BFO	85.61		L	01:41:12.428						T__		2053.4	19.10	a_e	Ms 5.5
BRG	81.36		P	00:58:34.032	-0.4	37.7		5.16		TAS		78.1	0.92	a_e	mb 5.7
BSEG	80.35		P	00:58:29.182	0.2	37.7		5.16		TAS		110.2	1.01	m_e	mb 5.7
BSEG	80.35		L	01:38:30.071						T__		2960.3	18.60	a_e	Ms 5.7
BUG	83.46		P	00:58:44.884	0.1	37.7		5.16		TAS		59.1	0.99	m_e	mb 5.8
CLL	81.40		P	00:58:34.032	0.1	37.7		5.16		TAS		156.6	0.89	a_e	mb 6.0
CLL	81.40		L	01:39:41.657						T__		3112.0	18.20	a_e	Ms 5.7
CLZ	82.00		P	00:58:37.832	0.0	37.7		5.16		TAS		107.9	1.03	a_e	mb 5.9
FBE	81.56		P	00:58:35.382	-0.1	37.7		5.16		TAS		143.0	0.90	a_e	mb 6.1
FLT1	81.28		P	00:58:33.232	-0.2	37.7		5.16		TAS		112.8	0.84	m_e	mb 5.9
FUR	84.56		P	00:58:50.737	-0.2	37.7		5.16		TAS		167.9	0.86	m_e	mb 6.3
FUR	84.56		L	01:39:30.523						T__		4722.8	21.00	a_e	Ms 5.9
GEC2	83.02		P	00:58:42.482	0.1	37.7		5.16		TAS		55.2	1.01	a_e	MBB 6.1
GEC2	83.02		L	01:40:52.634						T__		3800.7	18.80	a_e	Ms 5.8
GRA1	83.37		P	00:58:45.032	-0.1	37.7		5.16		TAS		184.7	0.97	a_e	MBB 6.6
GRA1	83.37		L	01:40:41.190						T__		3816.4	19.30	a_e	Ms 5.8
GTTG	82.39		P	00:58:39.632	0.3	37.7		5.16		TAS		72.0	0.91	a_e	mb 5.8
IBBN	82.58		P	00:58:40.502	0.0	37.7		5.16		TAS		106.7	0.79	m_e	mb 6.1
MANZ	82.79		P	00:58:41.582	0.5	37.7		5.16		TAS		66.8	0.91	a_e	mb 5.9
MOX	82.47		P	00:58:39.882	0.1	37.7		5.16		TAS		61.5	1.03	a_e	mb 5.7
MOX	82.47		L	01:38:23.512						T__		3306.0	21.50	a_e	Ms 5.7
NEUB	81.97		P	00:58:37.240	0.4	37.7		5.16		TAS		151.2	0.90	m_e	mb 6.1
NRDL	81.58		P	00:58:35.232	-0.1	37.7		5.16		TAS		51.9	0.96	a_e	mb 5.6
RGN	78.77		P	00:58:20.732	-0.1	37.7		5.16		TAS		158.1	0.94	a_e	mb 6.0
RJOB	84.27		P	00:58:49.282	0.0	37.7		5.16		TAS		89.7	1.05	a_e	mb 5.9
ROTZ	82.92		P	00:58:42.711	-0.3	37.7		5.16		TAS		85.4	1.07	m_e	mb 5.9
RUE	80.19		P	00:58:28.132	-0.0	37.7		5.16		TAS		157.0	1.25	a_e	mb 5.8
STU	84.91		P	00:58:52.351	0.1	37.7		5.16		TAS		183.9	0.90	m_e	mb 6.3
TNS	84.02		P	00:58:48.032	0.1	37.7		5.16		TAS		66.4	1.16	a_e	mb 5.8
TNS	84.02		L	01:39:02.355						T__		2842.3	21.40	a_e	Ms 5.6
WERD	82.35		P	00:58:39.332	0.2	37.7		5.16		TAS		50.5	1.04	a_e	mb 5.6
WERN	82.45		P	00:58:40.085	-0.0	37.7		5.16		TAS		77.5	0.97	m_e	mb 5.8
WET	83.13		P	00:58:43.482	0.4	37.7		5.16		TAS		64.2	1.05	a_e	MBB 6.2
WET	83.13		L	01:39:25.051						T__		5180.1	18.00	a_e	Ms 5.9

WLF 85.33 P 00:58:54.742 -0.5 37.7 5.16 TAS 184.7 1.69 m_e mb 6.0

Event 10520007 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
2011/05/20	07:28:50.80		0.54	38.2550	142.5340				33.0				335	79.37	84.67	m i ke	BGR
OrigID 10520013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10520013
Ms	4.6		BGR	10520013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.67		P	07:41:19.344		40.9		4.52		TAS		20.9	1.26	m_e mb	5.2
BFO	84.67		L	08:22:31.833						T__		293.9	19.00	a_e Ms	4.7
BRG	80.45		P	07:40:57.762		40.9		4.52		TAS		5.8	0.92	m_e mb	4.5
BSEG	79.37		L	08:19:12.898						T__		284.1	18.80	a_e Ms	4.6
CLL	80.48		P	07:40:57.965		40.9		4.52		TAS		13.9	1.01	m_e mb	4.8
CLL	80.48		L	08:24:09.178						T__		256.1	18.40	a_e Ms	4.6
CLZ	81.04		P	07:41:01.422		40.9		4.52		TAS		13.9	1.15	m_e mb	4.9
FUR	83.66		L	08:21:31.686						T__		354.1	19.20	a_e Ms	4.8
GEC2	82.14		P	07:41:06.444		40.9		4.52		TAS		4.5	0.93	m_e mb	4.6
GEC2	82.14		L	08:22:24.778						T__		301.0	18.20	a_e Ms	4.7
GRA1	82.45		P	07:41:08.551		40.9		4.52		TAS		21.9	1.27	m_e mb	5.1
GRA1	82.45		L	08:21:00.355						T__		235.6	19.40	a_e Ms	4.6
MOX	81.54		L	08:20:22.758						T__		204.0	18.60	a_e Ms	4.5
RJOB	83.39		P	07:41:13.088		40.9		4.52		TAS		12.3	1.04	m_e mb	5.1
TNS	83.07		L	08:23:28.774						T__		234.6	19.10	a_e Ms	4.6
WET	82.24		P	07:41:07.147		40.9		4.52		TAS		5.6	1.00	m_e mb	4.6
WET	82.24		L	08:20:39.388						T__		225.1	18.70	a_e Ms	4.6

Event 10520008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/20	18:46:23.28		0.54	47.4000	154.7390				33.0				335	74.63	80.28	m i ke	BGR
OrigID 10520014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10520014
Ms	4.3		BGR	10520014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.28		P	18:58:29.320		25.8		4.80		TAS		20.4	1.09	m_e mb	5.0

BFO	80.28	L	19:36:50.296			T__	188.1	19.50	a_e	Ms	4.4
BSEG	74.63	L	19:33:09.869			T__	186.6	21.80	a_e	Ms	4.3
CLL	76.32	P	18:58:06.803	25.8	4.80	TAS	11.4	0.79	m_e	mb	5.1
CLL	76.32	L	19:34:48.644			T__	132.4	20.00	a_e	Ms	4.2
CLZ	76.53	P	18:58:08.734	25.8	4.80	TAS	21.8	1.05	m_e	mb	5.2
FLT1	75.86	P	18:58:04.299	25.8	4.80	TAS	10.2	0.77	m_e	mb	5.0
FUR	79.65	L	19:33:27.189			T__	134.4	20.80	a_e	Ms	4.3
GEC2	78.35	P	18:58:18.250	25.8	4.80	TAS	10.7	1.20	m_e	mb	4.8
GEC2	78.35	L	19:37:06.988			T__	231.6	18.30	a_e	Ms	4.5
GRA1	78.27	P	18:58:18.365	25.8	4.80	TAS	16.8	0.79	m_e	mb	5.2
GRA1	78.27	L	19:32:45.546			T__	109.1	21.70	a_e	Ms	4.1
MOX	77.30	P	18:58:12.698	25.8	4.80	TAS	11.3	1.13	m_e	mb	4.9
MOX	77.30	L	19:31:52.645			T__	122.3	21.50	a_e	Ms	4.2
RJOB	79.61	P	18:58:25.797	25.8	4.80	TAS	15.3	1.25	m_e	mb	4.8
TNS	78.50	P	18:58:19.895	25.8	4.80	TAS	18.0	1.05	m_e	mb	5.1
TNS	78.50	L	19:32:49.010			T__	139.3	21.30	a_e	Ms	4.3
WERN	77.42	P	18:58:13.521	25.8	4.80	TAS	11.2	1.05	m_e	mb	4.9
WET	78.31	P	18:58:18.571	25.8	4.80	TAS	13.3	1.05	m_e	mb	5.0

Event 10520009 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/20	19:43:15.60		0.54	-7.2100	146.8900				33.0			25	335	121.65	126.44	m i ke	NEIC
	10520063																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	10520015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	125.43		PKP	20:02:18.096		56.5		1.95		TAS				a_e	
ASSE	122.67		PKP	20:02:12.596	-0.0	56.5		1.95		TAS				a_e	
BFO	126.10		PKP	20:02:18.746	-0.1	56.5		1.95		TAS				a_e	
BFO	126.10		L	21:03:05.996						T__		977.9	18.80	a_e	Ms 5.5
BRG	121.65		PKP	20:02:10.646	0.1	56.5		1.95		TAS				a_e	
BSEG	121.78		PKP	20:02:11.046	0.1	56.5		1.95		TAS				a_e	
BSEG	121.78		L	20:58:00.463						T__		2647.3	19.00	a_e	Ms 5.9
BUG	124.77		PKP	20:02:16.596	0.6	56.5		1.95		TAS				a_e	
CLL	121.92		PKP	20:02:10.896	0.1	56.5		1.95		TAS				a_e	
CLL	121.92		L	20:56:33.069						T__		1330.3	20.70	a_e	Ms 5.6
CLZ	122.99		PKP	20:02:13.496	-0.0	56.5		1.95		TAS				a_e	
FBE	121.94		PKP	20:02:11.446	-0.5	56.5		1.95		TAS				a_e	
FLT1	122.27		PKP	20:02:11.546	0.2	56.5		1.95		TAS				a_e	
FUR	124.56		PKP	20:02:16.196	-0.3	56.5		1.95		TAS				a_e	
FUR	124.56		L	20:58:15.422						T__		1686.0	21.40	a_e	Ms 5.7
GEC2	122.83		PKP	20:02:12.946	0.1	56.5		1.95		TAS				a_e	
GEC2	122.83		L	20:57:36.548						T__		1657.2	20.80	a_e	Ms 5.7

GRA1	123.76	PKP	20:02:14.696	-0.1	56.5	1.95	TAS								a_e		
GRA1	123.76	L	20:58:32.422				T__	1415.3	20.70		a_e Ms					5.6	
HLG	122.75	PKP	20:02:12.946	-0.2	56.5	1.95	TAS								a_e		
IBBN	124.00	PKP	20:02:15.296	0.1	56.5	1.95	TAS								a_e		
MANZ	123.12	PKP	20:02:13.596	-0.1	56.5	1.95	TAS								a_e		
MOX	123.02	PKP	20:02:13.196	0.0	56.5	1.95	TAS								a_e		
MOX	123.02	L	21:01:32.455				T__	1241.0	19.30		a_e Ms					5.6	
NEUB	122.64	PKP	20:02:12.396	-0.0	56.5	1.95	TAS								a_e		
RJOB	123.92	PKP	20:02:14.496	0.2	56.5	1.95	TAS								a_e		
STU	125.38	PKP	20:02:17.796	-0.5	56.5	1.95	TAS								a_e		
TNS	124.92	PKP	20:02:17.096	-0.1	56.5	1.95	TAS								a_e		
TNS	124.92	L	20:58:15.054				T__	2264.0	20.90		a_e Ms					5.8	
WERD	122.76	PKP	20:02:12.796	-0.1	56.5	1.95	TAS								a_e		
WERN	122.81	PKP	20:02:13.046	0.2	56.5	1.95	TAS								a_e		
WET	123.14	PKP	20:02:13.696	-0.2	56.5	1.95	TAS								m_e		
WET	123.14	L	20:58:21.772				T__	2063.7	20.00		a_e Ms					5.8	
WLF	126.44	PKP	20:02:20.546		56.5	1.95	TAS								a_e		

Event 10521005 Bering Strait

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/21	08:33:37.20		1.08	66.9060	-168.3220				33.0			11	317	59.48	64.57	m i ke	BGR
10521011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10521011
Ms	3.7		BGR	10521011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	62.83	P		08:43:57.518	-0.1	359.8		6.62		TAS		22.9	1.19	m_e mb	5.2
BRG	62.54	P		08:43:55.733	-0.1	359.8		6.62		TAS		15.6	1.13	m_e mb	5.0
BSEG	59.48	P		08:43:35.651	0.0	359.8		6.62		TAS		17.1	0.84	m_e mb	5.1
CLL	62.11	P		08:43:52.684	-0.1	359.8		6.62		TAS		24.9	1.42	m_e mb	5.2
CLZ	61.58	P		08:43:49.932	0.4	359.8		6.62		TAS		40.0	1.21	m_e mb	5.5
GEC2	64.57	P		08:44:09.345		359.8		6.62		TAS		17.0	1.17	m_e mb	5.2
GRA1	63.73	P		08:44:03.841	0.1	359.8		6.62		TAS		31.2	1.22	m_e mb	5.4
GRA1	63.73	L		09:17:31.641						T__		53.7	20.00	a_e Ms	3.7
IBBN	61.08	P		08:43:46.064	-0.0	359.8		6.62		TAS		34.5	1.29	m_e mb	5.0
MOX	62.78	P		08:43:57.444	-0.0	359.8		6.62		TAS		16.9	1.21	m_e mb	5.0
WET	64.28	P		08:44:07.485		359.8		6.62		TAS		11.1	1.10	m_e mb	5.0
WLF	63.68	P		08:44:03.171	0.1	359.8		6.62		TAS		12.8	0.85	m_e mb	5.2

Event 10521006 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/21	13:08:11.87		1.08	19.0480	121.6750				33.0			11	317	86.08	90.49	m i ke	BGR
OrigID 10521012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10521012
Ms	4.8		BGR	10521012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	90.49		P	13:21:09.613		62.4		4.75		TAS		24.1	1.58	m_e	mb	5.2	
BFO	90.49		L	14:06:11.994						T__		302.4	21.40	a_e	Ms	4.7	
BRG	86.08		P	13:20:49.004	-0.1	62.4		4.75		TAS		16.9	1.42	m_e	mb	5.0	
BSEG	86.68		L	14:04:32.161						T__		548.6	18.40	a_e	Ms	5.0	
BUG	89.52		P	13:21:05.259		62.4		4.75		TAS		15.9	1.15	m_e	mb	5.1	
CLL	86.42		P	13:20:50.165	-0.6	62.4		4.75		TAS		17.8	1.51	m_e	mb	5.0	
CLL	86.42		L	14:05:32.408						T__		372.5	18.90	a_e	Ms	4.8	
CLZ	87.64		P	13:20:56.696	-0.1	62.4		4.75		TAS		18.9	1.30	m_e	mb	5.3	
FUR	88.84		P	13:21:02.646	-0.2	62.4		4.75		TAS		40.2	1.36	m_e	mb	5.5	
FUR	88.84		L	14:03:10.281						T__		433.4	20.90	a_e	Ms	4.9	
GEC2	87.09		P	13:20:53.939	0.5	62.4		4.75		TAS		7.4	1.16	m_e	mb	4.7	
GEC2	87.09		L	14:03:20.410						T__		324.0	20.60	a_e	Ms	4.7	
GRA1	88.17		L	14:08:27.497						T__		424.3	18.60	a_e	Ms	4.9	
IBBN	88.82		P	13:21:02.501	-0.5	62.4		4.75		TAS		22.5	1.26	m_e	mb	5.3	
MOX	87.50		P	13:20:55.970	0.2	62.4		4.75		TAS		18.7	1.54	m_e	mb	5.2	
MOX	87.50		L	14:05:13.342						T__		377.1	19.80	a_e	Ms	4.8	
RJOB	88.12		P	13:20:58.728	0.4	62.4		4.75		TAS		16.4	1.04	m_e	mb	5.3	
TNS	89.49		L	14:06:23.371						T__		294.9	18.50	a_e	Ms	4.7	
WET	87.45		P	13:20:56.116	0.1	62.4		4.75		TAS				m_e			
WET	87.45		L	14:02:14.494						T__		436.5	21.50	a_e	Ms	4.8	

Event 10521007 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/21	16:30:32.67		1.08	31.3480	-40.9810				10.0				317	39.49	44.60	m i ke	BGR
OrigID 10521013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10521013
Ms	3.8		BGR	10521013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	40.23		P	16:38:09.248		262.3		7.89		TAS		48.7	1.65	m_e	mb	4.9
BFO	40.73		P	16:38:12.347		262.3		7.89		TAS		66.2	1.87	m_e	mb	5.0
BFO	40.73		L	16:52:03.933						T__		88.1	18.60	a_e	Ms	3.6
BRG	44.60		P	16:38:43.835		262.3		7.89		TAS		68.0	2.09	m_e	mb	5.2

BSEG	42.79	P	16:38:29.331	262.3	7.89	TAS	66.2	1.02	m_e	mb	5.3
CLL	44.05	P	16:38:39.000	262.3	7.89	TAS	17.9	0.98	m_e	mb	4.8
CLL	44.05	L	16:53:41.409			T__	171.8	21.90	a_e	Ms	3.9
CLZ	42.48	P	16:38:27.099	262.3	7.89	TAS	32.5	1.03	m_e	mb	5.0
FUR	42.68	L	16:53:50.148			T__	93.7	18.30	a_e	Ms	3.7
GEC2	44.33	P	16:38:41.603	262.3	7.89	TAS	58.3	2.00	m_e	mb	5.0
GEC2	44.33	L	16:56:46.449			T__	107.7	18.90	a_e	Ms	3.8
GRA1	42.76	P	16:38:29.538	262.3	7.89	TAS	35.1	2.18	m_e	mb	4.7
GRA1	42.76	L	16:52:00.847			T__	113.4	21.90	a_e	Ms	3.7
MOX	43.11	P	16:38:31.810	262.3	7.89	TAS	13.5	1.05	m_e	mb	4.6
MOX	43.11	L	16:52:38.285			T__	217.9	21.50	a_e	Ms	4.0
TNS	41.04	P	16:38:15.694	262.3	7.89	TAS	58.0	1.76	m_e	mb	5.0
TNS	41.04	L	16:52:11.361			T__	202.5	20.30	a_e	Ms	4.0
WET	43.80	P	16:38:37.388	262.3	7.89	TAS	27.3	1.66	m_e	mb	4.7
WLF	39.49	P	16:38:02.284	262.3	7.89	TAS	51.5	1.71	m_e	mb	4.9

Event 10521008 Caribbean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/21	18:29:09.88		1.08	16.9490	-67.4280				33.0				317	69.35	70.19	m i ke	BGR
OrigID 10521014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10521014
Ms	4.1		BGR	10521014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
CLZ	69.35		P	18:40:14.007		269.0		7.09		TAS		5.2	0.96	m_e	mb	4.7
GRA1	69.96		L	19:18:14.380						T__		106.5	18.70	a_e	Ms	4.1
GRC1	70.19		P	18:40:19.277		269.0		7.09		TAS		4.5	0.84	m_e	mb	4.6

Event 10521010 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/21	18:53:27.40			64.5470	-17.1080				33.0					20.50	22.75	m i ke	BGR
OrigID 10521016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	10521016
Ms	3.2		BGR	10521016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	21.24		P	18:58:09.676		324.2		10.67		TAS		20.0	1.41	m_e	mb	4.3

BFO	21.24	L	19:14:26.731					T__	71.8	18.70	a_e	Ms	3.1
CLL	20.50	P	18:58:01.516	324.2	10.67			TAS	13.1	1.45	m_e	mb	4.1
GEC2	22.75	L	19:12:07.998					T__	104.4	18.90	a_e	Ms	3.3
GRA1	21.13	P	18:58:09.048	324.2	10.67			TAS	50.5	2.33	m_e	mb	4.4
GRA1	21.13	L	19:10:18.419					T__	103.6	18.10	a_e	Ms	3.3
MOX	20.50	L	19:07:41.624					T__	70.1	19.10	a_e	Ms	3.0

Event 10521011 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																	
2011/05/21	22:06:28.62			36.1710	141.2180				33.0			17		80.76	85.98	m i ke	BGR
10521017																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10521017
Ms	5.2		BGR	10521017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.67		P	22:18:57.373	-0.0	38.5		5.13		TAS		91.4	1.10	m_e	mb	5.9
BFO	85.98		P	22:19:03.689	-0.5	38.5		5.13		TAS		133.3	1.08	m_e	mb	6.0
BFO	85.98		L	22:58:39.389						T__		872.0	21.30	a_e	Ms	5.1
BRG	81.71		P	22:18:42.197	-0.1	38.5		5.13		TAS				m_e		
BSEG	80.76		P	22:18:37.236	-0.1	38.5		5.13		TAS		142.8	1.18	m_e	mb	5.9
BUG	83.87		P	22:18:53.024	-0.2	38.5		5.13		TAS				m_e		
CLL	81.77		P	22:18:42.220	-0.3	38.5		5.13		TAS		134.9	0.99	m_e	mb	6.0
CLZ	82.38		P	22:18:46.037	0.3	38.5		5.13		TAS		130.3	1.15	m_e	mb	6.0
FUR	84.91		P	22:18:58.770	0.1	38.5		5.13		TAS		120.7	0.97	a_e	mb	6.1
GEC2	83.36		P	22:18:50.499	-0.2	38.5		5.13		TAS		48.6	1.16	m_e	mb	5.6
GRA1	83.74		P	22:18:53.139	0.5	38.5		5.13		TAS		185.0	1.14	m_e	mb	6.2
GRA1	83.74		L	23:03:13.973						T__		845.0	21.20	a_e	Ms	5.1
IBBN	82.99		P	22:18:48.820	0.1	38.5		5.13		TAS		132.6	1.17	a_e	mb	6.1
MOX	82.84		P	22:18:47.975	-0.1	38.5		5.13		TAS		58.1	1.22	m_e	mb	5.7
MOX	82.84		L	23:00:11.775						T__		1298.3	21.40	a_e	Ms	5.3
RJOB	84.60		P	22:18:57.210	0.1	38.5		5.13		TAS				m_e		
STU	85.28		P	22:19:00.532	-0.1	38.5		5.13		TAS		158.6	1.06	m_e	mb	6.2
TNS	84.41		P	22:18:56.210	0.1	38.5		5.13		TAS				m_e		
WET	83.48		P	22:18:51.476	0.1	38.5		5.13		TAS				m_e		
WLF	85.73		P	22:19:03.028	0.2	38.5		5.13		TAS				m_e		

Event 10522002 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2011/05/22	01:34:19.58		0.49	24.0590	121.2060				33.0				189	82.17	86.29	m i ke	BGR

10522008

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10522008
Ms	5.0		BGR	10522008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.29		L	02:30:00.635						T__		575.4	19.00	a_e	Ms 5.0
BSEG	82.29		L	02:25:46.381						T__		394.9	20.90	a_e	Ms 4.8
CLL	82.17		L	02:27:55.030						T__		922.2	18.00	a_e	Ms 5.2
FUR	84.69		L	02:28:42.160						T__		520.4	18.20	a_e	Ms 5.0
GEC2	82.95		P	01:46:40.452		64.9		4.88		TAS		42.0	2.27	m_e	mb 5.3
GEC2	82.95		L	02:27:17.705						T__		478.7	18.30	a_e	Ms 4.9
GRA1	83.95		P	01:46:45.696		64.9		4.88		TAS		36.4	1.83	m_e	mb 5.3
GRA1	83.95		L	02:27:48.532						T__		637.6	18.60	a_e	Ms 5.0
MOX	83.25		L	02:28:36.579						T__		815.6	19.60	a_e	Ms 5.1
TNS	85.21		L	02:25:15.434						T__		452.8	18.80	a_e	Ms 4.9
WET	83.28		P	01:46:42.414		64.9		4.88		TAS		16.6	1.74	m_e	mb 5.0
WET	83.28		L	02:28:37.993						T__		493.2	19.20	a_e	Ms 4.9

Event 10522003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/22	08:28:28.93		0.49	40.6660	144.3820				33.0			11	189	77.84	83.23	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10522009
Ms	4.4		BGR	10522009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.23		P	08:40:49.990		34.1		5.34		TAS		15.6	1.52	m_e	mb 5.0
BFO	83.23		L	09:24:20.087						T__		168.3	18.80	a_e	Ms 4.4
BRG	79.07		P	08:40:27.879	0.1	34.1		5.34		TAS		3.9	0.84	m_e	mb 4.5
BSEG	77.84		L	09:17:23.814						T__		242.2	19.10	a_e	Ms 4.5
CLL	79.07		P	08:40:27.764	-0.0	34.1		5.34		TAS		8.6	0.93	m_e	mb 4.8
CLL	79.07		L	09:20:43.549						T__		141.6	18.80	a_e	Ms 4.3
CLZ	79.56		P	08:40:31.262	0.1	34.1		5.34		TAS		9.9	1.00	m_e	mb 4.7
FBE	79.25		P	08:40:29.390	0.0	34.1		5.34		TAS		9.0	0.80	m_e	mb 4.9
FLT1	78.86		P	08:40:26.797	0.5	34.1		5.34		TAS		10.5	0.98	m_e	mb 4.8
FUR	82.29		L	09:21:02.152						T__		177.6	18.10	a_e	Ms 4.5
GEC2	80.81		L	09:24:56.489						T__		181.9	20.00	a_e	Ms 4.4
GRA1	81.04		P	08:40:39.261		34.1		5.34		TAS		11.5	0.95	m_e	mb 4.9
GRA1	81.04		L	09:24:04.080						T__		116.3	20.30	a_e	Ms 4.2
MOX	80.11		P	08:40:33.771		34.1		5.34		TAS		5.5	1.17	m_e	mb 4.4
MOX	80.11		L	09:21:57.759						T__		165.1	18.50	a_e	Ms 4.4

RJOB	82.06	P	08:40:44.255	34.1	5.34	TAS	5.9	0.97	m_e	mb	4.7
TNS	81.58	L	09:23:17.048			T__	144.0	21.20	a_e	Ms	4.3
WERN	80.13	P	08:40:34.024	34.1	5.34	TAS	5.8	0.95	m_e	mb	4.5
WET	80.88	P	08:40:37.919	34.1	5.34	TAS	5.5	1.32	m_e	mb	4.4
WET	80.88	L	09:25:17.959			T__	245.6	18.30	a_e	Ms	4.6

Event 10522004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/05/22	08:33:45.63		0.49	40.1240	143.4420				33.0			9	189	78.01	83.37	m i ke	BGR	
	10522010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10522010
Ms	4.4		BGR	10522010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	83.37		L	09:24:20.094						T__		168.3	18.80	a_e	Ms	4.4
BRG	79.19		P	08:45:45.554		36.4		4.45		TAS		3.3	0.77	m_e	mb	4.4
BSEG	78.01		L	09:17:23.791						T__		242.2	19.10	a_e	Ms	4.5
CLL	79.19		P	08:45:45.294		36.4		4.45		TAS		12.4	1.03	m_e	mb	4.9
CLL	79.19		L	09:20:43.543						T__		141.6	18.80	a_e	Ms	4.3
CLZ	79.71		P	08:45:48.878	0.0	36.4		4.45		TAS		7.5	1.03	m_e	mb	4.6
FBE	79.37		P	08:45:46.739		36.4		4.45		TAS		7.1	0.78	m_e	mb	4.8
FLT1	79.01		P	08:45:44.290	-0.2	36.4		4.45		TAS		10.5	0.86	m_e	mb	4.9
FUR	82.40		L	09:21:02.116						T__		177.6	18.10	a_e	Ms	4.5
GEC2	80.91		L	09:24:56.526						T__		181.9	20.00	a_e	Ms	4.4
GRA1	81.17		P	08:45:56.660		36.4		4.45		TAS		17.6	0.99	m_e	mb	5.0
GRA1	81.17		L	09:24:04.114						T__		116.3	20.30	a_e	Ms	4.2
MOX	80.25		P	08:45:51.282		36.4		4.45		TAS		3.4	1.04	m_e	mb	4.2
MOX	80.25		L	09:21:57.792						T__		165.1	18.50	a_e	Ms	4.4
TNS	81.74		L	09:23:17.067						T__		144.0	21.20	a_e	Ms	4.3
WERN	80.25		P	08:45:51.578		36.4		4.45		TAS		5.6	1.02	m_e	mb	4.4
WET	80.99		P	08:45:55.408		36.4		4.45		TAS		8.5	1.35	m_e	mb	4.6
WET	80.99		L	09:25:17.961						T__		245.6	18.30	a_e	Ms	4.6

Event 10522005 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/05/22	10:52:03.54		0.49	41.8970	83.2340				33.0				189	47.00	52.11	m i ke	BGR	
	10522011																	

Magnitude	Err	Nsta	Author	OrigID

mb 5.0 BGR 10522011
 Ms 3.7 BGR 10522011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	51.30		P	11:01:02.576		74.4		6.96		TAS		19.4	1.47	m_e	mb 4.8
BFO	51.30		L	11:25:55.299						T__		73.4	20.40	a_e	Ms 3.7
BRG	47.00		P	11:00:29.382		74.4		6.96		TAS		23.8	1.76	m_e	mb 5.0
BSEG	48.22		L	11:24:55.022						T__		82.2	18.60	a_e	Ms 3.7
CLL	47.44		P	11:00:32.548		74.4		6.96		TAS		16.3	1.09	m_e	mb 5.1
CLL	47.44		L	11:23:40.439						T__	133.1	18.40	a_e	Ms 3.9	
FUR	49.53		P	11:00:50.033		74.4		6.96		TAS		34.4	1.57	m_e	mb 5.0
FUR	49.53		L	11:25:09.062						T__		143.9	18.00	a_e	Ms 4.0
GEC2	47.78		P	11:00:35.670		74.4		6.96		TAS		20.6	1.77	m_e	mb 5.0
GEC2	47.78		L	11:24:31.580						T__		106.5	18.10	a_e	Ms 3.9
GRA1	49.03		P	11:00:46.233		74.4		6.96		TAS		27.1	1.34	m_e	mb 5.1
GRA1	49.03		L	11:24:32.303						T__		58.8	20.50	a_e	Ms 3.6
MOX	48.48		L	11:24:01.931						T__		67.2	18.00	a_e	Ms 3.7
TNS	50.53		L	11:25:23.000						T__		33.2	20.40	a_e	Ms 3.3
WET	48.20		P	11:00:38.855		74.4		6.96		TAS		13.9	1.37	m_e	mb 4.9
WET	48.20		L	11:24:20.336						T__		108.4	18.60	a_e	Ms 3.9
WLF	52.11		P	11:01:08.953		74.4		6.96		TAS		21.7	1.34	m_e	mb 4.9

Event 10522006 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
2011/05/22	11:07:06.68		0.49	38.6900	141.5530				33.0			15	189	78.64	83.92	m i ke	BGR
OrigID 10522012																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10522012
 Ms 4.1 BGR 10522012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.92		P	11:19:31.686		37.0		5.29		TAS		15.2	1.02	m_e	mb 5.2
BFO	83.92		L	12:02:16.228						T__		55.2	18.30	a_e	Ms 4.0
BRG	79.69		P	11:19:09.564	-0.2	37.0		5.29		TAS		9.1	1.09	m_e	mb 4.6
BSEG	78.64		P	11:19:04.241	-0.1	37.0		5.29		TAS		12.5	0.89	m_e	mb 4.9
BSEG	78.64		L	11:55:07.729						T__		92.5	21.50	a_e	Ms 4.1
CLL	79.72		P	11:19:09.545	0.4	37.0		5.29		TAS		13.6	0.94	m_e	mb 4.9
CLL	79.72		L	11:56:14.364						T__		52.9	18.60	a_e	Ms 3.9
CLZ	80.30		P	11:19:13.258	-0.3	37.0		5.29		TAS		19.9	1.00	m_e	mb 5.0
FBE	79.88		P	11:19:10.907	-0.2	37.0		5.29		TAS		16.7	1.01	m_e	mb 4.9
FLT1	79.58		P	11:19:08.747	0.2	37.0		5.29		TAS		13.0	0.83	m_e	mb 4.9
FUR	82.89		L	11:59:47.246						T__	154.6	18.50	a_e	Ms 4.4	
GEC2	81.37		P	11:19:18.268		37.0		5.29		TAS		6.2	1.06	m_e	mb 4.6
GEC2	81.37		L	11:58:11.997						T__		108.0	19.60	a_e	Ms 4.2

GRA1	81.69	P	11:19:20.505		37.0		5.29	TAS	17.5	1.04	m_e	mb	5.1
GRA1	81.69	L	12:01:02.732					T__	55.3	21.20	a_e	Ms	3.9
IBBN	80.86	P	11:19:15.854	-0.3	37.0		5.29	TAS	14.2	0.84	m_e	mb	5.0
MOX	80.78	L	11:57:07.631					T__	74.8	20.50	a_e	Ms	4.0
NEUB	80.29	P	11:19:12.660	0.1	37.0		5.29	TAS	13.5	0.96	m_e	mb	4.8
RJOB	82.61	P	11:19:25.507		37.0		5.29	TAS	9.1	0.88	m_e	mb	5.0
TNS	82.32	L	11:59:07.202					T__	110.3	18.30	a_e	Ms	4.3
WERD	80.67	P	11:19:14.656	0.2	37.0		5.29	TAS	5.0	1.04	m_e	mb	4.5
WERN	80.77	P	11:19:15.496	0.2	37.0		5.29	TAS	5.8	0.82	m_e	mb	4.6
WET	81.47	P	11:19:19.281		37.0		5.29	TAS	5.8	1.07	m_e	mb	4.5
WET	81.47	L	11:58:54.504					T__	219.2	18.50	a_e	Ms	4.5

Event 10522007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/22	14:46:17.77		0.49	38.5990	144.0890				33.0			22	189	79.55	84.95	m i ke	BGR
OrigID 10522013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10522013
MBB	5.8		BGR	10522013
Ms	5.5		BGR	10522013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	80.95		P	14:58:27.251	-0.1	35.3		5.21		TAS		21.1	1.06	a_e	mb	5.1
BFO	84.95		P	14:58:47.701	-0.1	35.3		5.21		TAS		61.7	0.74	a_e	MBB	6.0
BFO	84.95		L	15:43:21.614						T__		1812.5	18.50	a_e	Ms	5.5
BRG	80.76		P	14:58:26.151	-0.1	35.3		5.21		TAS		32.3	0.87	m_e	mb	5.4
BSEG	79.60		P	14:58:20.351		35.3		5.21		TAS		37.8	0.83	a_e	mb	5.4
BSEG	79.60		L	15:36:33.230						T__		2940.7	18.10	a_e	Ms	5.7
BUG	82.71		P	14:58:36.280		35.3		5.21		TAS		27.4	0.83	m_e	mb	5.5
CLL	80.77		P	14:58:25.951	-0.2	35.3		5.21		TAS		44.9	0.75	m_e	MBB	5.6
CLL	80.77		L	15:41:05.880						T__		2185.2	18.00	a_e	Ms	5.6
CLZ	81.30		P	14:58:29.451	-0.0	35.3		5.21		TAS		33.5	0.88	a_e	mb	5.4
FBE	80.95		P	14:58:27.401	0.1	35.3		5.21		TAS		44.2	0.86	a_e	mb	5.5
FLT1	80.59		P	14:58:24.851	0.4	35.3		5.21		TAS		37.9	0.82	a_e	mb	5.5
FUR	83.97		P	14:58:43.105	0.1	35.3		5.21		TAS		148.6	0.77	m_e	MBB	6.3
FUR	83.97		L	15:41:39.230						T__		1495.7	19.40	a_e	Ms	5.4
GEC2	82.47		P	14:58:34.951	-0.2	35.3		5.21		TAS		19.5	1.04	a_e	MBB	5.4
GEC2	82.47		L	15:38:18.384						T__		2875.1	18.40	a_e	Ms	5.7
GRA1	82.75		P	14:58:37.101	0.5	35.3		5.21		TAS		46.3	0.85	a_e	MBB	5.9
GRA1	82.75		L	15:41:05.358						T__		1485.8	19.70	a_e	Ms	5.4
IBBN	81.82		P	14:58:31.890		35.3		5.21		TAS		44.1	0.74	m_e	mb	5.7
MANZ	82.17		P	14:58:33.651	0.0	35.3		5.21		TAS		32.3	0.84	a_e	mb	5.5
MOX	81.82		P	14:58:31.851	-0.4	35.3		5.21		TAS		26.6	0.99	a_e	mb	5.3
MOX	81.82		L	15:40:36.878						T__		1680.3	18.00	a_e	Ms	5.4

NEUB	81.32	P	14:58:29.133	-0.1	35.3	5.21	TAS	49.2	0.78	m_e	mb	5.6
RJOB	83.72	P	14:58:41.901	0.2	35.3	5.21	TAS	59.6	0.88	a_e	mb	5.8
RUE	79.55	P	14:58:19.912	0.1	35.3	5.21	TAS	37.8	0.76	m_e	mb	5.4
STU	84.26	P	14:58:44.351	0.0	35.3	5.21	TAS	79.8	0.77	a_e	mb	6.0
TNS	83.32	P	14:58:39.701	-0.5	35.3	5.21	TAS	18.7	0.80	a_e	mb	5.4
TNS	83.32	L	15:42:17.397				T__	2669.0	18.50	a_e	Ms	5.6
WERN	81.83	P	14:58:32.001	0.1	35.3	5.21	TAS	39.8	0.83	a_e	mb	5.6
WET	82.56	P	14:58:35.901	0.2	35.3	5.21	TAS	24.9	1.29	a_e	mb	5.3
WET	82.56	L	15:38:49.468				T__	2912.0	19.70	a_e	Ms	5.7

Event 10522008 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/22	16:42:22.05		0.49	15.7140	120.0000				33.0			22	189	87.23	92.78	m i ke	BGR
	10522014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10522014
Ms	4.8		BGR	10522014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	92.11		P	16:55:26.304		66.8		4.68		TAS		15.2	0.94	m_e	mb	5.3
BFO	92.11		L	17:37:39.858						T__		352.9	20.00	a_e	Ms	4.8
BRG	87.74		P	16:55:06.424	-0.2	66.8		4.68		TAS		47.3	0.94	m_e	mb	5.8
BSEG	88.55		P	16:55:10.979	0.3	66.8		4.68		TAS		59.1	0.93	m_e	mb	5.8
BSEG	88.55		L	17:37:03.529						T__		339.6	21.60	a_e	Ms	4.7
BUG	91.32		P	16:55:23.548	0.5	66.8		4.68		TAS		38.6	0.98	a_e	mb	5.7
CLL	88.12		P	16:55:07.807	-0.7	66.8		4.68		TAS		26.4	0.94	m_e	mb	5.5
CLL	88.12		L	17:41:04.758						T__		414.6	19.00	a_e	Ms	4.9
CLZ	89.41		P	16:55:14.531	0.2	66.8		4.68		TAS		14.5	0.89	m_e	mb	5.2
FBE	88.07		P	16:55:08.377	0.2	66.8		4.68		TAS		53.0	0.98	m_e	mb	5.8
FUR	90.41		P	16:55:19.025	0.0	66.8		4.68		TAS		41.5	0.87	m_e	mb	5.7
FUR	90.41		L	17:37:00.695						T__		409.8	21.20	a_e	Ms	4.8
GEC2	88.65		P	16:55:10.698	-0.0	66.8		4.68		TAS		24.7	0.90	m_e	mb	5.4
GEC2	88.65		L	17:36:07.695						T__		385.5	21.70	a_e	Ms	4.8
GRA1	89.81		P	16:55:16.516	0.0	66.8		4.68		TAS		27.8	0.98	m_e	mb	5.5
GRA1	89.81		L	17:39:53.750						T__		477.2	19.00	a_e	Ms	4.9
IBBN	90.65		P	16:55:20.199	0.2	66.8		4.68		TAS		34.0	0.89	m_e	mb	5.7
MANZ	89.17		P	16:55:13.323	-0.0	66.8		4.68		TAS		13.5	0.94	m_e	mb	5.2
MOX	89.19		P	16:55:13.095	0.4	66.8		4.68		TAS		18.5	0.98	m_e	mb	5.3
MOX	89.19		L	17:41:25.438						T__		435.3	18.00	a_e	Ms	4.9
NEUB	88.88		P	16:55:11.787	0.1	66.8		4.68		TAS		27.3	0.98	m_e	mb	5.4
RJOB	89.64		P	16:55:15.667	0.1	66.8		4.68		TAS		44.8	0.93	m_e	mb	5.7
RUE	87.23		P	16:55:04.848	0.5	66.8		4.68		TAS		110.9	0.89	a_e	mb	6.0
STU	91.40		P	16:55:23.865		66.8		4.68		TAS		36.9	0.81	m_e	mb	5.8
TNS	91.20		P	16:55:22.913	-0.7	66.8		4.68		TAS		21.8	0.88	m_e	mb	5.5

TNS	91.20	L	17:40:22.966							T__	327.9	21.30	a_e	Ms	4.7
WERD	88.86	P	16:55:11.791	-0.2	66.8				4.68	TAS	23.7	0.98	m_e	mb	5.4
WERN	88.89	P	16:55:12.038	0.0	66.8				4.68	TAS	25.0	0.89	m_e	mb	5.4
WET	89.04	P	16:55:12.582	0.1	66.8				4.68	TAS	22.1	1.26	m_e	mb	5.2
WET	89.04	L	17:36:46.424							T__	476.5	19.80	a_e	Ms	4.9
WLF	92.78	P	16:55:30.783		66.8				4.68	TAS	46.0	0.93	m_e	mb	5.9

Event 10522009 Mindanao, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/22	19:07:42.18		0.49	8.6400	124.5390				33.0			10	189	95.53	100.39	m i ke	BGR
OrigID 10522015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10522015
Ms	4.3		BGR	10522015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	100.39		L	20:16:14.292						T__		108.9	18.50	a_e	Ms	4.4	
BRG	96.02		P	19:21:05.730	0.1	69.3		3.88		TAS		8.1	0.61	m_e	mb	5.4	
BSEG	96.86		L	20:11:58.885						T__		95.8	21.40	a_e	Ms	4.2	
CLL	96.41		L	20:11:10.408						T__		133.4	22.00	a_e	Ms	4.4	
CLZ	97.71		P	19:21:13.640		69.3		3.88		TAS		10.2	0.76	m_e	mb	5.6	
FLT1	97.02		P	19:21:09.599	0.2	69.3		3.88		TAS		6.7	0.67	m_e	mb	5.4	
FUR	98.66		L	20:13:22.940						T__		76.5	21.00	a_e	Ms	4.2	
GEC2	96.91		P	19:21:09.395	-0.2	69.3		3.88		TAS		3.9	0.90	m_e	mb	5.0	
GEC2	96.91		L	20:12:47.969						T__		102.2	21.40	a_e	Ms	4.3	
GRA1	98.09		P	19:21:15.076		69.3		3.88		TAS		4.9	0.80	m_e	mb	5.3	
GRA1	98.09		L	20:13:13.599						T__		100.3	21.50	a_e	Ms	4.3	
MOX	97.48		P	19:21:12.115		69.3		3.88		TAS		3.1	0.63	m_e	mb	5.1	
MOX	97.48		L	20:19:55.333						T__		133.0	20.80	a_e	Ms	4.4	
RUE	95.53		P	19:21:03.457	0.1	69.3		3.88		TAS				m_e			
TNS	99.50		L	20:13:16.147						T__		129.2	21.70	a_e	Ms	4.4	
WERN	97.17		P	19:21:11.003	0.1	69.3		3.88		TAS				m_e			
WET	97.30		L	20:11:20.433						T__		105.7	21.90	a_e	Ms	4.3	

Event 10522010 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/22	20:58:46.03		0.49	-20.1250	170.7040				10.0			14	189	143.06	148.47	m i ke	BGR
OrigID 10522016																	

Magnitude	Err	Nsta	Author	OrigID
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Ms	4.7	BGR	10522016													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	148.47		PKPbc	21:18:32.523		36.3		3.04		TAS				m_e		
BFO	148.47		L	22:32:31.897						T__		142.1	18.70	a_e	Ms	4.8
BRG	144.26		PKPbc	21:18:19.740		36.3		3.04		TAS				m_e		
BSEG	143.06		L	22:21:40.077						T__		190.6	22.00	a_e	Ms	4.8
BUG	146.15		PKPbc	21:18:26.076		36.3		3.04		TAS				m_e		
CLL	144.29		PKPbc	21:18:19.250	-0.2	36.3		3.04		TAS				m_e		
CLL	144.29		L	22:22:08.393						T__		120.9	21.70	a_e	Ms	4.6
CLZ	144.81		PKPbc	21:18:21.718	-0.8	36.3		3.04		TAS				m_e		
FBE	144.46		PKPbc	21:18:20.763	0.0	36.3		3.04		TAS				m_e		
FUR	147.47		L	22:24:43.353						T__		121.1	19.80	a_e	Ms	4.7
GEC2	145.91		PKPbc	21:18:25.044		36.3		3.04		TAS				m_e		
GEC2	145.91		L	22:22:17.930						T__		155.2	21.20	a_e	Ms	4.8
GRA1	146.27		L	22:27:11.476						T__		129.7	20.20	a_e	Ms	4.7
IBBN	145.24		PKPbc	21:18:23.317		36.3		3.04		TAS				m_e		
MANZ	145.69		PKPbc	21:18:24.454	0.2	36.3		3.04		TAS				m_e		
MOX	145.35		PKPbc	21:18:23.209	-0.1	36.3		3.04		TAS				m_e		
MOX	145.35		L	22:31:52.522						T__		130.3	19.70	a_e	Ms	4.7
NEUB	144.84		PKPbc	21:18:22.247	0.1	36.3		3.04		TAS				m_e		
TNS	146.83		L	22:26:13.123						T__		185.3	20.30	a_e	Ms	4.9
WERD	145.24		PKPbc	21:18:23.128	0.3	36.3		3.04		TAS				m_e		
WERN	145.34		PKPbc	21:18:23.569	-0.0	36.3		3.04		TAS				m_e		
WET	146.04		PKPbc	21:18:25.527	-0.0	36.3		3.04		TAS				m_e		
WET	146.04		L	22:24:07.100						T__		116.6	20.50	a_e	Ms	4.6

Event 10523009 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
2011/05/23	01:49:00.03		0.64	38.0650	141.8650				33.0				304	79.30	84.58	m i ke	BGR
	10523015																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10523015
Ms	4.4		BGR	10523015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	84.58		P	02:01:28.963		39.8		4.49		TAS		37.5	1.34	m_e	mb	5.4
BFO	84.58		L	02:41:09.930						T__		90.7	18.80	a_e	Ms	4.2
BSEG	79.30		L	02:34:45.750						T__		226.5	20.70	a_e	Ms	4.5
CLL	80.38		P	02:01:07.412		39.8		4.49		TAS		16.2	0.95	m_e	mb	4.9
CLL	80.38		L	02:37:55.810						T__		151.9	18.30	a_e	Ms	4.4
FUR	83.56		L	02:41:56.739						T__		128.6	20.70	a_e	Ms	4.3
GEC2	82.03		L	02:41:01.918						T__		213.6	19.30	a_e	Ms	4.5
GRA1	82.36		P	02:01:17.360		39.8		4.49		TAS		37.6	1.26	m_e	mb	5.4

GRA1	82.36	L	02:39:05.565			T__	141.4	20.60	a_e	Ms	4.3
MOX	81.45	L	02:38:25.661			T__	144.4	21.00	a_e	Ms	4.3
RJOB	83.27	P	02:01:22.554	39.8	4.49	TAS	22.8	1.09	m_e	mb	5.3
TNS	82.99	L	02:41:48.617			T__	139.8	20.30	a_e	Ms	4.3
WET	82.13	L	02:41:13.689			T__	258.9	19.30	a_e	Ms	4.6

Event 10524006 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/24	03:41:01.11		1.27	40.9330	143.5930				33.0			27	302	77.32	82.71	m i ke	BGR
	10524012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10524012
Ms	6.1		BGR	10524012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	81.27		P	03:53:12.119	-0.0	34.5		5.38		TAS		77.2	1.43	m_e	mb	5.5
ASSE	78.71		P	03:52:58.454	0.5	34.5		5.38		TAS		78.9	1.18	m_e	mb	5.6
BFO	82.71		P	03:53:19.475		34.5		5.38		TAS		233.3	1.78	m_e	mb	6.1
BFO	82.71		L	04:33:54.684						T__		4432.8	18.90	a_e	Ms	5.9
BRG	78.54		P	03:52:57.134	-0.6	34.5		5.38		TAS		86.6	1.31	a_e	mb	5.6
BSEG	77.34		P	03:52:50.984	0.1	34.5		5.38		TAS		117.1	1.12	a_e	mb	5.9
BSEG	77.34		L	04:30:26.289						T__		10207.8	19.30	a_e	Ms	6.2
BUG	80.44		P	03:53:07.555	-0.0	34.5		5.38		TAS		126.1	1.27	m_e	mb	5.7
CLL	78.54		P	03:52:56.834	-0.1	34.5		5.38		TAS		103.0	1.02	a_e	mb	5.8
CLL	78.54		L	04:31:21.570						T__		9413.8	19.50	a_e	Ms	6.1
CLZ	79.05		P	03:53:00.635	-0.2	34.5		5.38		TAS		179.0	1.25	m_e	mb	6.0
FBE	78.73		P	03:52:58.515	0.1	34.5		5.38		TAS		137.2	1.16	m_e	mb	5.9
FLT1	78.34		P	03:52:55.795	-0.3	34.5		5.38		TAS		140.8	1.17	m_e	mb	6.0
FUR	81.76		P	03:53:14.755	-0.0	34.5		5.38		TAS		140.7	0.92	m_e	mb	6.1
FUR	81.76		L	04:33:20.183						T__		9657.2	19.50	a_e	Ms	6.2
GEC2	80.27		P	03:53:06.595	-0.0	34.5		5.38		TAS		30.9	1.17	m_e	mb	5.1
GEC2	80.27		L	04:33:30.970						T__		9666.5	18.20	a_e	Ms	6.2
GRA1	80.52		P	03:53:08.635	0.0	34.5		5.38		TAS		149.8	1.04	m_e	mb	6.0
GRA1	80.52		L	04:34:46.397						T__		5718.2	18.50	a_e	Ms	6.0
IBBN	79.55		P	03:53:02.955	0.2	34.5		5.38		TAS		156.6	1.26	m_e	mb	5.8
MANZ	79.95		P	03:53:05.075	-0.2	34.5		5.38		TAS		62.1	1.10	m_e	mb	5.5
MOX	79.59		P	03:53:03.089	0.0	34.5		5.38		TAS		76.6	1.30	m_e	mb	5.5
MOX	79.59		L	04:33:56.918						T__		8408.0	18.80	a_e	Ms	6.1
NEUB	79.09		P	03:53:00.195	0.1	34.5		5.38		TAS		165.5	1.18	m_e	mb	5.9
NRDL	78.60		P	03:52:57.634	0.1	34.5		5.38		TAS		61.3	1.34	a_e	mb	5.5
RJOB	81.53		P	03:53:13.637	-0.3	34.5		5.38		TAS		77.4	1.30	m_e	mb	5.7
ROTZ	80.09		P	03:53:06.315	0.1	34.5		5.38		TAS		137.8	1.45	m_e	mb	5.7
RUE	77.32		P	03:52:50.875	0.0	34.5		5.38		TAS		198.5	1.41	m_e	mb	6.0
STU	82.03		P	03:53:15.955	-0.4	34.5		5.38		TAS		95.3	0.99	m_e	mb	5.9

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TNS	81.07	P	03:53:11.000	0.1	34.5	5.38	TAS	70.3	1.22	m_e	mb	5.6
TNS	81.07	L	04:32:58.997				T__	7299.4	18.90	a_e	Ms	6.1
WERD	79.50	P	03:53:02.715	-0.0	34.5	5.38	TAS	108.6	1.63	m_e	mb	5.5
WERN	79.61	P	03:53:03.435	0.5	34.5	5.38	TAS	76.7	1.17	m_e	mb	5.5
WET	80.35	P	03:53:07.315	0.5	34.5	5.38	TAS	106.2	1.25	m_e	mb	5.6
WET	80.35	L	04:32:18.394				T__	8177.2	19.30	a_e	Ms	6.1
WLF	82.33	P	03:53:17.734		34.5	5.38	TAS	115.1	1.94	m_e	mb	5.7

Event 10524007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/05/24	09:22:57.86		1.27	-17.8740	-176.1580				33.0					16	302	143.66	149.40	m i ke BGR
	10524013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.40		PKPbc	09:42:42.489		13.2		2.83		TAS				m_e	
BRG	146.10		PKPbc	09:42:33.719	0.4	13.2		2.83		TAS				m_e	
BSEG	143.66		PKPbc	09:42:26.582	-0.3	13.2		2.83		TAS				m_e	
CLL	145.86		PKPbc	09:42:33.011	0.6	13.2		2.83		TAS				m_e	
CLZ	145.72		PKPbc	09:42:33.226	0.2	13.2		2.83		TAS				m_e	
FBE	146.17		PKPbc	09:42:34.334	0.3	13.2		2.83		TAS				m_e	
FLT1	145.13		PKPbc	09:42:30.561	0.1	13.2		2.83		TAS				m_e	
GEC2	148.09		PKPbc	09:42:38.985		13.2		2.83		TAS				m_e	
GRA1	147.71		PKPbc	09:42:38.482		13.2		2.83		TAS				m_e	
MANZ	147.28		PKPbc	09:42:37.091		13.2		2.83		TAS				m_e	
NRDL	145.10		PKPbc	09:42:31.096	-0.0	13.2		2.83		TAS				m_e	
ROTZ	147.48		PKPbc	09:42:37.894		13.2		2.83		TAS				m_e	
RUE	144.60		PKPbc	09:42:28.991	-0.4	13.2		2.83		TAS				m_e	
TNS	147.52		PKPbc	09:42:38.090		13.2		2.83		TAS				m_e	
WERD	146.80		PKPbc	09:42:35.890	-0.5	13.2		2.83		TAS				m_e	
WERN	146.95		PKPbc	09:42:36.391	-0.7	13.2		2.83		TAS				m_e	

Event 10524008 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	
2011/05/24	11:49:33.67		1.27	36.5320	141.3880				33.0					23	302	80.32	85.73	m i ke BGR
	10524014																	

Magnitude Err Nsta Author OrigID

mb	5.4		BGR	10524014
Ms	4.7		BGR	10524014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.41		P	12:02:01.413		38.2		5.15		TAS		37.2	1.28	m_e mb	5.5
ASSE	81.79		P	12:01:47.470	-0.3	38.2		5.15		TAS		21.7	1.15	m_e mb	5.2
BFO	85.73		P	12:02:07.692		38.2		5.15		TAS		54.5	1.34	m_e mb	5.5
BFO	85.73		L	12:42:09.293						T__		188.5	19.80	a_e Ms	4.5
BRG	81.47		P	12:01:45.775	-0.4	38.2		5.15		TAS		32.1	1.07	m_e mb	5.3
BSEG	80.50		P	12:01:41.239	0.3	38.2		5.15		TAS		51.1	1.07	m_e mb	5.4
BSEG	80.50		L	12:41:50.308						T__		304.8	20.40	a_e Ms	4.6
CLL	81.52		P	12:01:45.862	0.0	38.2		5.15		TAS		57.0	1.02	a_e mb	5.6
CLL	81.52		L	12:45:07.798						T__		232.6	18.30	a_e Ms	4.6
CLZ	82.13		P	12:01:49.848	-0.1	38.2		5.15		TAS		49.3	1.29	m_e mb	5.5
FBE	81.68		P	12:01:47.133	-0.1	38.2		5.15		TAS		51.0	1.11	m_e mb	5.6
FLT1	81.42		P	12:01:44.954	-0.3	38.2		5.15		TAS		42.7	1.01	m_e mb	5.4
FUR	84.67		P	12:02:02.364		38.2		5.15		TAS		66.7	1.26	m_e mb	5.7
FUR	84.67		L	12:42:57.667						T__		416.7	18.60	a_e Ms	4.9
GEC2	83.13		P	12:01:54.412	0.5	38.2		5.15		TAS		16.3	1.12	a_e mb	5.2
GEC2	83.13		L	12:42:25.178						T__		227.7	18.50	a_e Ms	4.6
GRA1	83.49		P	12:01:56.932	-0.2	38.2		5.15		TAS		76.8	1.24	m_e mb	5.8
GRA1	83.49		L	12:42:32.875						T__		335.8	19.80	a_e Ms	4.7
IBBN	82.73		P	12:01:52.346	0.5	38.2		5.15		TAS				m_e	
MANZ	82.91		P	12:01:53.462	-0.1	38.2		5.15		TAS		24.4	1.11	m_e mb	5.3
MOX	82.59		P	12:01:51.712	0.0	38.2		5.15		TAS		26.8	1.29	a_e mb	5.3
MOX	82.59		L	12:42:28.002						T__		271.9	19.90	a_e Ms	4.6
NEUB	82.10		P	12:01:48.999	0.4	38.2		5.15		TAS		75.4	1.19	m_e mb	5.7
NRDL	81.72		P	12:01:47.112	-0.2	38.2		5.15		TAS				a_e	
ROTZ	83.04		P	12:01:54.612	0.2	38.2		5.15		TAS		48.6	1.38	a_e mb	5.5
RUE	80.32		P	12:01:40.593	0.5	38.2		5.15		TAS				m_e	
STU	85.04		P	12:02:04.361		38.2		5.15		TAS				m_e	
TNS	84.16		L	12:46:28.742						T__		299.1	18.60	a_e Ms	4.7
WERD	82.47		P	12:01:51.080	0.1	38.2		5.15		TAS		24.0	1.35	m_e mb	5.1
WERN	82.56		P	12:01:51.812	-0.1	38.2		5.15		TAS		25.1	1.13	a_e mb	5.3
WET	83.24		P	12:01:55.412	0.3	38.2		5.15		TAS		27.7	1.28	a_e mb	5.3
WET	83.24		L	12:41:56.722						T__		488.0	18.40	a_e Ms	4.9

Event 10524009 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/24	17:43:17.61		1.27	53.1800	-173.6600				33.0			26	302	73.20	78.95	m i ke	BGR
10524015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10524015
Ms	4.2		BGR	10524015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	76.65	P	17:55:03.079	-0.1	3.0	5.62	TAS	53.5	1.21	m_e	mb	5.5
ASSE	75.00	P	17:54:53.672	0.4	3.0	5.62	TAS	135.5	1.79	m_e	mb	5.7
BFO	78.85	P	17:55:15.079		3.0	5.62	TAS	100.7	1.60	a_e	mb	5.6
BRG	76.12	P	17:54:59.879	0.0	3.0	5.62	TAS	79.8	1.40	m_e	mb	5.7
BSEG	73.20	P	17:54:43.607	0.0	3.0	5.62	TAS	229.6	2.06	m_e	mb	5.9
BUG	75.75	P	17:54:57.552	0.3	3.0	5.62	TAS	47.7	1.19	m_e	mb	5.5
CLL	75.74	P	17:54:57.513	-0.0	3.0	5.62	TAS	167.7	1.95	m_e	mb	5.8
CLL	75.74	L	18:32:49.046				T__	116.3	19.70	a_e	Ms	4.2
CLZ	75.30	P	17:54:55.829	-0.3	3.0	5.62	TAS	248.2	2.07	a_e	mb	5.9
FBE	76.11	P	17:55:00.229	0.1	3.0	5.62	TAS	264.9	1.79	a_e	mb	6.1
FLT1	74.78	P	17:54:52.079	0.2	3.0	5.62	TAS	111.3	1.72	a_e	mb	5.6
FUR	78.95	P	17:55:15.770		3.0	5.62	TAS	83.9	1.33	m_e	mb	5.6
GEC2	78.16	P	17:55:11.352	-0.3	3.0	5.62	TAS	85.1	1.65	m_e	mb	5.6
GEC2	78.16	L	18:31:36.848				T__	141.2	18.10	a_e	Ms	4.3
GRA1	77.42	P	17:55:07.809	0.0	3.0	5.62	TAS	138.8	1.27	m_e	mb	5.9
GRA1	77.42	L	18:31:04.637				T__	90.8	20.80	a_e	Ms	4.1
IBBN	74.88	P	17:54:53.179	-0.1	3.0	5.62	TAS	250.7	1.88	a_e	mb	5.9
MANZ	77.09	P	17:55:05.396	0.5	3.0	5.62	TAS	86.4	1.89	m_e	mb	5.6
MOX	76.45	P	17:55:01.997	0.1	3.0	5.62	TAS	78.6	1.41	m_e	mb	5.6
NEUB	75.90	P	17:54:58.779	-0.1	3.0	5.62	TAS	255.8	1.77	a_e	mb	6.1
NRDL	74.65	P	17:54:51.654	-0.4	3.0	5.62	TAS	70.6	1.66	m_e	mb	5.4
ROTZ	77.31	P	17:55:06.966	0.3	3.0	5.62	TAS	86.7	1.66	m_e	mb	5.6
RUE	74.53	P	17:54:51.098	-0.1	3.0	5.62	TAS			m_e		
STU	78.40	P	17:55:12.657	-0.2	3.0	5.62	TAS	59.4	1.11	m_e	mb	5.6
TNS	76.96	P	17:55:04.645	0.2	3.0	5.62	TAS	142.8	2.00	m_e	mb	5.8
WERD	76.63	P	17:55:02.895	0.3	3.0	5.62	TAS	113.8	1.77	m_e	mb	5.7
WERN	76.78	P	17:55:04.079	-0.1	3.0	5.62	TAS	117.4	1.50	a_e	mb	5.8
WET	77.90	P	17:55:10.066	-0.2	3.0	5.62	TAS	69.8	1.67	m_e	mb	5.5
WLF	77.53	P	17:55:08.126	-0.1	3.0	5.62	TAS	53.8	1.34	m_e	mb	5.5

Event 10524010 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/24	20:36:21.24		1.27	37.9400	142.2440				33.0			15	302	79.55	84.84	m i ke	BGR
10524016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10524016
Ms	4.4		BGR	10524016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	84.84		P	20:48:50.410		36.9		5.22		TAS		25.4	1.34	m_e	mb	5.3
BFO	84.84		L	21:29:47.414						T__		135.4	19.20	a_e	Ms	4.3
BRG	80.61		P	20:48:28.714	0.0	36.9		5.22		TAS		9.6	1.15	m_e	mb	4.7
BSEG	79.55		L	21:26:30.387						T__		177.5	18.40	a_e	Ms	4.4
CLL	80.64		P	20:48:28.600	0.5	36.9		5.22		TAS		18.9	1.01	m_e	mb	5.1

CLL	80.64	L	21:28:36.961							T__	116.9	19.70	a_e	Ms	4.2
CLZ	81.21	P	20:48:32.406	-0.4	36.9	5.22				TAS	26.2	1.23	m_e	mb	5.1
FBE	80.80	P	20:48:29.894	-0.2	36.9	5.22				TAS	19.1	1.02	m_e	mb	5.1
FLT1	80.50	P	20:48:27.725	0.1	36.9	5.22				TAS	29.8	1.39	m_e	mb	5.1
FUR	83.82	P	20:48:45.423		36.9	5.22				TAS			m_e		
FUR	83.82	L	21:29:05.269							T__	200.2	18.20	a_e	Ms	4.5
GEC2	82.29	P	20:48:37.164		36.9	5.22				TAS	4.5	0.93	m_e	mb	4.6
GEC2	82.29	L	21:28:41.183							T__	215.0	18.00	a_e	Ms	4.6
GRA1	82.61	P	20:48:39.905		36.9	5.22				TAS	31.0	1.09	m_e	mb	5.5
GRA1	82.61	L	21:28:16.548							T__	150.2	18.70	a_e	Ms	4.4
MOX	81.70	P	20:48:34.309	-0.4	36.9	5.22				TAS	13.2	1.38	m_e	mb	4.9
MOX	81.70	L	21:25:40.495							T__	72.3	18.90	a_e	Ms	4.1
NEUB	81.20	P	20:48:31.912	0.4	36.9	5.22				TAS	25.1	1.14	m_e	mb	5.1
ROTZ	82.17	P	20:48:37.278		36.9	5.22				TAS	27.1	1.51	m_e	mb	5.2
TNS	83.24	L	21:30:33.974							T__	177.1	18.10	a_e	Ms	4.5
WERD	81.59	P	20:48:33.700	0.3	36.9	5.22				TAS	16.2	1.42	m_e	mb	5.0
WERN	81.69	P	20:48:34.386	-0.1	36.9	5.22				TAS	19.7	1.29	m_e	mb	5.1
WET	82.39	P	20:48:38.420		36.9	5.22				TAS	12.1	1.29	m_e	mb	4.9
WET	82.39	L	21:28:02.746							T__	130.2	20.00	a_e	Ms	4.3

Event 10524005 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/24	22:03:52.89	0.65	1.27	43.6520	12.1690	11.1	10.0	165	10.0			23	302	3.53	7.68	m i ke	BGR
OrigID 10524011																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	10524011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	4.84		Pn	22:05:04.304	0.2					T__				m_e	
BFO	5.39		Sn	22:06:06.359	-2.1					T__	4.2			m_e	
BFO	5.39		Pn	22:05:11.540	0.1					T__				m_e	4.2
BRG	7.32		Pn	22:05:36.662	-0.8					T__				m_e	
CLL	7.68		Pn	22:05:41.442	-0.8					T__				m_e	
DAVA	3.98		Sn	22:05:38.591	3.1					T__	3.8			m_e	
DAVA	3.98		Pn	22:04:53.871	1.5					T__				m_e	4.5
FBE	7.32		Pn	22:05:37.007	-0.4					T__				m_e	
FUR	4.55		Pn	22:05:00.292	0.1					T__				m_e	
GEC2	5.30		Sn	22:06:06.891	0.5					T__	3.2			m_e	4.2
GRA1	6.08		Sn	22:06:22.993	-1.5					T__	3.5			m_e	
KBA	3.53		Sn	22:05:26.230	1.3					T__	2.4			m_e	
KBA	3.53		Pn	22:04:46.229	-0.1					T__				m_e	4.2
MOA	4.45		Sn	22:05:48.002	1.5					T__	3.5			m_e	
MOA	4.45		Pn	22:04:58.838	0.1					T__				m_e	4.2
MOX	7.01		Sn	22:06:45.150	-1.1					T__	3.5			m_e	

PLONS	3.92	Sn	22:05:36.484	2.2	T__	3.7	m_e		
PLONS	3.92	Pn	22:04:52.893	1.2	T__		m_e ML	4.3	
ROTZ	6.12	Sn	22:06:23.713	-1.8	T__	2.3	m_e		
ROTZ	6.12	Pn	22:05:19.928	-1.3	T__		m_e		
SLE	4.85	Sn	22:05:53.731	-2.2	T__	2.8	m_e		
SLE	4.85	Pn	22:05:03.433	-0.8	T__		m_e ML	4.2	
STU	5.52	Sn	22:06:10.308	-1.2	T__	2.3	m_e		
SULZ	4.81	Pn	22:05:03.427	-0.2	T__		m_e		
TNS	7.05	Pn	22:05:34.735	0.9	T__		m_e		
WERD	6.80	Pn	22:05:30.648	0.2	T__		m_e		
WERN	6.64	Sn	22:06:37.484	-0.2	T__	2.4	m_e		
WERN	6.64	Pn	22:05:28.551	0.3	T__		m_e		
WET	5.52	Sn	22:06:10.633	-0.8	T__	5.4	m_e		
WET	5.52	Pn	22:05:11.919	-1.2	T__		m_e ML	4.2	
WILA	4.41	Sn	22:05:45.717	0.2	T__	3.1	m_e ML	4.5	
WTTA	3.63	Sn	22:05:29.775	2.4	T__	2.7	m_e		
WTTA	3.63	Pn	22:04:48.381	0.6	T__		m_e ML	4.4	

Event 10525010 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/25	00:19:12.29		3.20	36.6630	142.2910				33.0				8 340	81.64	85.97	m i ke	BGR
10525016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10525016
Ms	3.8		BGR	10525016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.97		P	00:31:47.232		37.5		5.13		TAS		8.7	1.11	m_e mb	4.8
BRG	81.73		P	00:31:25.595	0.3	37.5		5.13		TAS		7.5	1.25	m_e mb	4.7
CLL	81.77		P	00:31:25.771	-0.3	37.5		5.13		TAS		12.0	0.93	m_e mb	5.0
FBE	81.93		P	00:31:27.010	0.7	37.5		5.13		TAS		5.3	0.78	m_e mb	4.7
FLT1	81.64		P	00:31:25.092	0.2	37.5		5.13		TAS		9.4	0.90	m_e mb	4.9
GEC2	83.40		P	00:31:33.986		37.5		5.13		TAS		6.7	1.18	m_e mb	4.8
GRA1	83.74		P	00:31:36.814		37.5		5.13		TAS		14.5	1.04	m_e mb	5.1
MOX	82.83		L	01:19:21.383						T__		38.3	19.00	a_e Ms	3.8
WERN	82.81		P	00:31:31.665		37.5		5.13		TAS		6.5	0.98	m_e mb	4.8

Event 10525011 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/25	10:03:00.71		3.20	50.3080	147.2460				562.0				25 340	70.01	75.58	m i ke	BGR

10525017

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10525017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.94		P	10:13:36.850	-0.2	27.6		5.71		TAS		77.9	0.92	m_e	mb 5.7
ASSE	71.51		P	10:13:22.914	-0.4	27.6		5.71		TAS				m_e	
BFO	75.58		P	10:13:45.591		27.6		5.71		TAS		54.6	0.93	m_e	mb 5.7
BRG	71.64		P	10:13:23.298	0.0	27.6		5.71		TAS		55.1	0.97	m_e	mb 5.7
BSEG	70.01		P	10:13:14.325	0.1	27.6		5.71		TAS		61.5	0.94	m_e	mb 5.7
BUG	73.07		P	10:13:31.705	0.0	27.6		5.71		TAS		83.2	0.86	m_e	mb 5.9
CLL	71.55		P	10:13:22.816	-0.4	27.6		5.71		TAS				m_e	
CLZ	71.85		P	10:13:25.366	-0.1	27.6		5.71		TAS		104.9	0.80	a_e	mb 6.0
FBE	71.78		P	10:13:24.530	0.5	27.6		5.71		TAS		100.9	0.91	m_e	mb 5.9
FLT1	71.17		P	10:13:20.459	-0.0	27.6		5.71		TAS		106.8	0.81	m_e	mb 6.0
FUR	74.85		P	10:13:42.061	-0.6	27.6		5.71		TAS		136.9	0.94	m_e	mb 6.0
GEC2	73.49		P	10:13:34.216	0.4	27.6		5.71		TAS		56.2	0.64	a_e	mb 5.8
GRA1	73.51		P	10:13:34.816	0.1	27.6		5.71		TAS		167.6	0.66	a_e	mb 6.2
IBBN	72.16		P	10:13:26.666	0.1	27.6		5.71		TAS		90.0	0.70	a_e	mb 6.0
MANZ	72.98		P	10:13:31.294	0.3	27.6		5.71		TAS		59.7	1.19	m_e	mb 5.6
MOX	72.55		P	10:13:28.821	-0.1	27.6		5.71		TAS		48.7	0.79	m_e	mb 5.7
NEUB	72.02		P	10:13:25.716	0.2	27.6		5.71		TAS		155.6	1.16	a_e	mb 6.0
NRDL	71.35		P	10:13:21.921	0.0	27.6		5.71		TAS		47.9	0.85	m_e	mb 5.7
ROTZ	73.14		P	10:13:32.631	0.4	27.6		5.71		TAS		60.4	0.88	m_e	mb 5.7
RUE	70.29		P	10:13:15.966	-0.0	27.6		5.71		TAS		151.6	0.85	a_e	mb 6.2
STU	74.94		P	10:13:42.266		27.6		5.71		TAS		117.6	1.46	a_e	mb 5.7
TNS	73.85		P	10:13:36.375	0.0	27.6		5.71		TAS		67.1	0.77	m_e	mb 5.7
WERD	72.51		P	10:13:28.773	0.2	27.6		5.71		TAS		47.2	0.80	m_e	mb 5.7
WERN	72.63		P	10:13:29.566	-0.0	27.6		5.71		TAS		86.3	0.64	a_e	mb 6.0
WET	73.48		P	10:13:34.603	0.1	27.6		5.71		TAS				m_e	

Event 10525012 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/25	16:55:49.11		3.20	73.0290	10.2720				10.0			16	340	19.17	24.95	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10525018
Ms	3.8		BGR	10525018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.61		P	17:00:50.406	-1.4	0.1		10.01		TAS		95.6	1.42	m_e	mb 5.1
ASSE	20.98		P	17:00:32.959	-0.0	0.1		10.01		TAS		70.9	1.49	m_e	mb 4.8
BFO	24.80		P	17:01:10.370		0.1		10.01		TAS		70.7	1.41	m_e	mb 5.2

BFO	24.80	L	17:12:13.656						T__	248.1	19.40	a_e	Ms	3.7
BSEG	19.17	L	17:07:41.864						T__	282.2	19.70	a_e	Ms	3.6
BUG	21.71	P	17:00:41.175	0.6	0.1	10.01			TAS	137.1	1.47	m_e	mb	5.2
CLL	21.83	P	17:00:43.169	0.7	0.1	10.01			TAS	43.7	1.40	m_e	mb	4.7
CLL	21.83	L	17:10:24.347						T__	440.6	18.20	a_e	Ms	3.9
FBE	22.23	P	17:00:47.281	-0.0	0.1	10.01			TAS	172.8	2.19	m_e	mb	5.1
FLT1	20.78	P	17:00:30.595	1.1	0.1	10.01			TAS			m_e		
FUR	24.95	L	17:13:01.610						T__	282.7	18.90	a_e	Ms	3.8
GEC2	24.32	P	17:01:06.211		0.1	10.01			TAS	32.7	1.42	m_e	mb	4.7
GEC2	24.32	L	17:11:09.358						T__	276.1	18.50	a_e	Ms	3.8
GRA1	23.42	L	17:11:56.139						T__	336.7	18.10	a_e	Ms	3.8
MANZ	23.14	P	17:00:55.258		0.1	10.01			TAS	73.6	1.77	m_e	mb	4.9
MOX	22.47	P	17:00:48.888	-0.4	0.1	10.01			TAS	198.6	2.29	m_e	mb	5.1
MOX	22.47	L	17:12:04.915						T__	297.4	19.30	a_e	Ms	3.7
NRDL	20.61	P	17:00:29.508	-1.1	0.1	10.01			TAS	70.3	1.25	m_e	mb	4.9
ROTZ	23.36	P	17:00:57.623		0.1	10.01			TAS	58.9	1.80	m_e	mb	4.8
TNS	22.90	P	17:00:53.521		0.1	10.01			TAS	113.6	1.88	m_e	mb	5.1
TNS	22.90	L	17:09:49.168						T__	222.3	20.00	a_e	Ms	3.6
WERD	22.68	P	17:00:50.779		0.1	10.01			TAS	61.3	1.77	m_e	mb	4.8
WERN	22.84	P	17:00:52.987		0.1	10.01			TAS	204.1	2.12	m_e	mb	5.3
WET	24.00	P	17:01:03.778		0.1	10.01			TAS	31.0	1.46	m_e	mb	4.6
WET	24.00	L	17:11:40.252						T__	370.1	18.10	a_e	Ms	3.9

Event 10525013 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/25	20:29:48.48		3.20	42.1250	141.4790				33.0			15	340	76.54	80.90	m i ke	BGR
OrigID 10525019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10525019
Ms	4.4		BGR	10525019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.90		L	21:22:50.253						T__		93.4	21.00	a_e	Ms 4.1
BRG	76.71		P	20:41:35.214	-0.1	35.3		5.52		TAS		7.3	0.89	m_e	mb 4.8
CLL	76.72		P	20:41:34.712	0.3	35.3		5.52		TAS		14.6	0.90	m_e	mb 5.1
CLL	76.72		L	21:19:58.881						T__		229.9	19.80	a_e	Ms 4.5
CLZ	77.25		P	20:41:38.175	-0.0	35.3		5.52		TAS		12.9	1.03	m_e	mb 5.0
FBE	76.90		P	20:41:36.254	0.1	35.3		5.52		TAS		11.8	0.83	m_e	mb 5.1
FLT1	76.54		P	20:41:33.385	-0.3	35.3		5.52		TAS		14.9	1.01	m_e	mb 5.1
FUR	79.93		P	20:41:52.421		35.3		5.52		TAS		23.2	1.09	m_e	mb 5.0
FUR	79.93		L	21:22:08.755						T__		261.7	18.90	a_e	Ms 4.6
GEC2	78.43		P	20:41:44.071		35.3		5.52		TAS		5.2	0.95	m_e	mb 4.6
GEC2	78.43		L	21:22:17.380						T__		234.4	18.30	a_e	Ms 4.6
GRA1	78.70		P	20:41:46.090		35.3		5.52		TAS		22.6	0.97	m_e	mb 5.2

GRA1	78.70	L	21:22:51.711							T__	139.5	18.90	a_e	Ms	4.3
IBBN	77.78	P	20:41:40.773	0.0	35.3			5.52		TAS	24.5	1.13	m_e	mb	5.2
MOX	77.78	P	20:41:40.772	0.2	35.3			5.52		TAS	8.7	1.07	m_e	mb	4.8
MOX	77.78	L	21:20:40.980							T__	210.4	18.30	a_e	Ms	4.5
NEUB	77.27	P	20:41:37.903	0.2	35.3			5.52		TAS	14.1	0.90	m_e	mb	5.1
NRDL	76.81	P	20:41:35.329	0.3	35.3			5.52		TAS	14.3	1.34	m_e	mb	4.9
ROTZ	78.27	P	20:41:43.840		35.3			5.52		TAS	8.4	1.08	m_e	mb	4.8
TNS	79.28	L	21:21:28.020							T__	151.3	18.70	a_e	Ms	4.4
WERN	77.78	P	20:41:41.076	-0.3	35.3			5.52		TAS	9.9	1.08	m_e	mb	4.9
WET	78.51	P	20:41:44.908		35.3			5.52		TAS	11.2	1.19	m_e	mb	4.8
WET	78.51	L	21:21:07.189							T__	236.6	19.50	a_e	Ms	4.5

Event 10525009 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/25	23:27:38.91	2.96	3.20	37.0640	22.4520	155.7	90.1	140	10.0				9 340	13.39	17.25	m i ke	BGR
10525015																	

Magnitude	Err	Nsta	Author	OrigID
Ms	3.9		BGR	10525015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	15.29		Pn	23:31:08.234	-3.4					T__				m_e		
CLZ	17.07		Pn	23:31:38.176	2.8					T__				m_e		
FUR	13.79		L	23:37:22.772						T__		794.5	20.10	a_e	Ms	3.8
GEC2	13.39		Pn	23:30:42.650	-3.5					T__				m_e		
GEC2	13.39		L	23:39:27.313						T__		413.2	18.80	a_e	Ms	3.5
GRA1	15.01		P	23:31:16.692		143.1		12.88		TAS				m_e		
GRA1	15.01		L	23:37:19.931						T__		1040.4	18.70	a_e	Ms	4.0
MOX	15.64		Pn	23:31:14.815	-1.4					T__				m_e		
NEUB	16.05		Pn	23:31:27.786	5.9					T__				m_e		
TNS	16.57		Pn	23:31:30.165	2.0					T__				m_e		
WERN	15.07		Pn	23:31:06.803	-1.9					T__				m_e		
WET	13.94		Pn	23:30:50.113	-3.1					T__				m_e		
WET	13.94		L	23:36:45.630						T__		1734.7	18.80	a_e	Ms	4.2
WLF	17.25		Pn	23:31:40.500	2.6					T__				m_e		

Event 10526002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/26	02:10:32.37		0.41	-17.4500	-171.8800				33.0				21 258	145.00	149.20	m i ke	BGR
10526008																	

Magnitude Err Nsta Author OrigID
Ms 5.0 BGR 10526008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.34		PKPbc	02:30:05.952	-0.2	3.9		3.02		TAS				m_e	
BFO	149.20		PKPbc	02:30:17.129		3.9		3.02		TAS				m_e	
BRG	146.33		PKPbc	02:30:09.177	0.4	3.9		3.02		TAS				m_e	
BUG	146.08		PKPbc	02:30:08.153	0.2	3.9		3.02		TAS				m_e	
CLL	146.00		PKPbc	02:30:07.815	-0.1	3.9		3.02		TAS				m_e	
CLZ	145.64		PKPbc	02:30:07.215	-0.3	3.9		3.02		TAS				m_e	
FBE	146.35		PKPbc	02:30:09.498	0.2	3.9		3.02		TAS				m_e	
FLT1	145.11		PKPbc	02:30:04.959	0.3	3.9		3.02		TAS				m_e	
GEC2	148.36		PKPbc	02:30:15.093		3.9		3.02		TAS				m_e	
GRA1	147.74		PKPbc	02:30:13.762	-0.6	3.9		3.02		TAS				m_e	
GRA1	147.74		L	03:37:10.454						T__		304.0	20.70	a_e Ms	5.1
IBBN	145.22		PKPbc	02:30:05.603	-0.1	3.9		3.02		TAS				m_e	
MOX	146.77		PKPbc	02:30:10.498	0.2	3.9		3.02		TAS				m_e	
MOX	146.77		L	03:32:06.491						T__		229.1	21.50	a_e Ms	4.9
NEUB	146.21		PKPbc	02:30:08.750	0.1	3.9		3.02		TAS				m_e	
NRDL	145.00		PKPbc	02:30:04.765	-0.4	3.9		3.02		TAS				m_e	
ROTZ	147.59		PKPbc	02:30:13.163	-0.2	3.9		3.02		TAS				m_e	
STU	148.75		PKPbc	02:30:16.055		3.9		3.02		TAS				m_e	
TNS	147.31		PKPbc	02:30:12.226	-0.1	3.9		3.02		TAS				m_e	
WERD	146.91		PKPbc	02:30:11.092	0.2	3.9		3.02		TAS				m_e	
WERN	147.06		PKPbc	02:30:11.752	0.5	3.9		3.02		TAS				m_e	
WET	148.15		PKPbc	02:30:14.616		3.9		3.02		TAS				m_e	
WLF	147.83		PKPbc	02:30:14.132	-0.4	3.9		3.02		TAS				m_e	

Event 10527001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/27	01:05:36.05		0.99	-23.7200	-179.4400				33.0			22	308	148.94	154.16	m i ke	BGR
OrigID 10527007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.75		PKPbc	01:25:30.195	-0.1	22.6		2.30		TAS				m_e	
BRG	150.97		PKPbc	01:25:25.631	0.0	22.6		2.30		TAS				m_e	
BSEG	148.94		PKPbc	01:25:20.008	-0.5	22.6		2.30		TAS				m_e	
CLL	150.83		PKPbc	01:25:24.970	-0.3	22.6		2.30		TAS				m_e	
CLZ	150.93		PKPbc	01:25:25.499	0.3	22.6		2.30		TAS				m_e	
FBE	151.09		PKPbc	01:25:26.119	0.0	22.6		2.30		TAS				m_e	
FUR	154.16		PKPbc	01:25:32.511		22.6		2.30		TAS				m_e	
GEC2	152.86		PKPbc	01:25:29.931		22.6		2.30		TAS				m_e	
GRA1	152.76		PKPbc	01:25:29.799		22.6		2.30		TAS				m_e	

MOX	151.78	PKPbc	01:25:27.285	-0.1	22.6	2.30	TAS	m_e
MULD	151.80	PKPbc	01:25:27.620	0.2	22.6	2.30	TAS	m_e
NKC	151.96	PKPbc	01:25:28.076	0.1	22.6	2.30	TAS	m_e
PLN	151.80	PKPbc	01:25:27.424	0.0	22.6	2.30	TAS	m_e
ROHR	151.99	PKPbc	01:25:28.141	-0.2	22.6	2.30	TAS	m_e
ROTZ	152.44	PKPbc	01:25:29.137	-0.1	22.6	2.30	TAS	m_e
SCHD	151.98	PKPbc	01:25:27.848	0.1	22.6	2.30	TAS	m_e
SCHF	151.56	PKPbc	01:25:27.098	-0.1	22.6	2.30	TAS	m_e
TAUT	151.44	PKPbc	01:25:26.739	-0.2	22.6	2.30	TAS	m_e
TNS	152.84	PKPbc	01:25:29.666	-0.5	22.6	2.30	TAS	m_e
TRIB	151.93	PKPbc	01:25:27.815	-0.1	22.6	2.30	TAS	m_e
WERD	151.79	PKPbc	01:25:27.391	0.1	22.6	2.30	TAS	m_e
WET	152.83	PKPbc	01:25:29.732		22.6	2.30	TAS	m_e

Event 10527002 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/27	03:34:25.14		0.99	37.9130	140.5250				33.0			6	308	79.94	84.19	m i ke	BGR
10527008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10527008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.19		P	03:46:51.539		42.9		4.67		TAS		12.8	1.11	m_e mb	5.1
BRG	79.94		P	03:46:30.309		42.9		4.67		TAS		7.1	1.14	m_e mb	4.5
CLL	79.98		P	03:46:29.950	-0.1	42.9		4.67		TAS		11.4	1.03	m_e mb	4.7
GEC2	81.59		P	03:46:38.819		42.9		4.67		TAS				m_e	
GRA1	81.96		P	03:46:40.370		42.9		4.67		TAS		14.5	1.00	m_e mb	5.1
ROTZ	81.50		P	03:46:38.371		42.9		4.67		TAS		18.2	1.76	m_e mb	4.8
WET	81.71		P	03:46:39.804		42.9		4.67		TAS		7.1	1.24	m_e mb	4.7

Event 10527004 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/27	07:43:37.30		0.55	39.1320	29.1050				10.0				294	14.71	16.53	m i ke	KAN
10527025																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	14.71		P	07:47:09.870		123.0		12.66		TAS		11.4	1.21	m_e	
GRA1	16.53		P	07:47:32.708		123.0		12.66		TAS		9.0	0.65	m_e	

WET 15.33 P 07:47:23.951 123.0 12.66 TAS 12.9 1.15 m_e

Event 10527006 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/27	17:24:29.40	4.06	0.79	35.6900	23.7800	87.8	80.1	133	10.0			16	347	15.10	20.53	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	10527012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	17.03		P	17:28:29.075	0.8	141.9		11.17		TAS		12.4	1.02	m_e mb	4.0
BRG	16.76		P	17:28:26.181	0.7	141.9		11.17		TAS		18.7	0.97	m_e mb	4.2
BSEG	20.53		P	17:29:06.828		141.9		11.17		TAS		45.9	0.78	m_e mb	4.9
BUG	19.70		P	17:28:59.934	-0.9	141.9		11.17		TAS		28.6	1.11	m_e mb	4.4
CLL	17.43		P	17:28:34.329	1.0	141.9		11.17		TAS		23.7	0.93	m_e mb	4.3
CLZ	18.78		P	17:28:50.321	1.1	141.9		11.17		TAS		9.1	0.82	m_e mb	4.0
FUR	15.53		P	17:28:12.474	-0.5	141.9		11.17		TAS		25.4	0.77	m_e mb	4.4
GEC2	15.10		P	17:28:08.362	0.2	141.9		11.17		TAS		17.9	0.75	m_e	
GRA1	16.73		P	17:28:25.572	-1.1	141.9		11.17		TAS		35.0	0.99	m_e mb	4.4
GTTG	18.69		P	17:28:47.808	-0.6	141.9		11.17		TAS		19.5	1.01	m_e mb	4.3
IBBN	20.14		P	17:29:05.271		141.9		11.17		TAS		11.8	0.52	m_e mb	4.4
MOX	17.35		P	17:28:31.816	-1.5	141.9		11.17		TAS		10.0	0.98	m_e mb	3.9
ROTZ	16.41		P	17:28:23.744	0.8	141.9		11.17		TAS		6.7	0.88	m_e mb	3.8
STU	16.92		P	17:28:28.009	0.0	141.9		11.17		TAS		16.3	0.63	m_e mb	4.3
TNS	18.30		P	17:28:43.620	-0.3	141.9		11.17		TAS		17.6	0.87	m_e mb	4.2
WET	15.65		P	17:28:13.999	-0.5	141.9		11.17		TAS		27.9	1.06	m_e mb	4.3

Event 10527008 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/27	20:27:37.75		0.11	-14.3400	64.1400				10.0			19	129	75.15	81.56	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10527014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	75.15		P	20:39:19.190	0.2	128.7		5.57		TAS				m_e	
BFO	79.62		P	20:39:43.950		128.7		5.57		TAS		20.7	1.56	m_e mb	4.8
BRG	78.30		P	20:39:36.531	-0.4	128.7		5.57		TAS		21.5	1.56	m_e mb	5.0
CLL	79.04		P	20:39:40.490	-0.4	128.7		5.57		TAS		19.8	1.56	m_e mb	4.9

CLZ	80.65	P	20:39:49.434	128.7	5.57	TAS	44.7	1.61	m_e	mb	5.2
FBE	78.62	P	20:39:38.643	0.6 128.7	5.57	TAS	16.8	1.24	m_e	mb	4.9
FUR	77.94	P	20:39:34.551	-0.1 128.7	5.57	TAS	65.5	1.57	m_e	mb	5.5
GEC2	77.11	P	20:39:29.199	-0.7 128.7	5.57	TAS	20.9	1.97	m_e	mb	4.9
GRA1	78.91	P	20:39:39.463	0.3 128.7	5.57	TAS	20.6	1.36	m_e	mb	5.0
GTTG	80.68	P	20:39:49.385	128.7	5.57	TAS	6.0	0.75	m_e	mb	4.7
MOA	76.18	P	20:39:24.832	0.1 128.7	5.57	TAS			m_e		
MOX	79.30	P	20:39:41.848	-0.2 128.7	5.57	TAS	22.8	1.72	m_e	mb	4.9
NKC	78.63	P	20:39:38.940	0.3 128.7	5.57	TAS			m_e		
PLN	78.93	P	20:39:40.816	0.1 128.7	5.57	TAS	26.8	1.92	m_e	mb	4.9
ROTZ	78.45	P	20:39:36.971	0.3 128.7	5.57	TAS	30.8	1.95	m_e	mb	5.1
TAUT	79.46	P	20:39:43.495	128.7	5.57	TAS			m_e		
TNS	80.66	P	20:39:49.755	128.7	5.57	TAS	3.5	0.65	m_e	mb	4.5
WERN	78.70	P	20:39:39.115	0.8 128.7	5.57	TAS	23.3	1.56	m_e	mb	5.0
WLF	81.56	P	20:39:54.326	128.7	5.57	TAS	18.2	1.42	m_e	mb	5.0

Event 10527009 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/27	23:02:16.37		0.11	42.1400	137.3500				60.4			11	129	74.08	78.27	m i ke	BGR
OrigID 10527015																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10527015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	75.07		P	23:13:51.962	0.1	34.7		4.30		TAS		5.6	0.94	m_e	mb	4.6
BSEG	74.08		P	23:13:46.250	0.1	34.7		4.30		TAS		10.4	0.98	m_e	mb	4.8
CLL	75.11		P	23:13:51.789	-0.3	34.7		4.30		TAS		8.4	0.87	m_e	mb	4.8
CLZ	75.72		P	23:13:55.510	0.0	34.7		4.30		TAS		15.6	1.27	m_e	mb	5.0
FUR	78.27		P	23:14:09.853		34.7		4.30		TAS		17.0	0.83	m_e	mb	5.2
GEC2	76.73		P	23:14:01.136	0.3	34.7		4.30		TAS		4.1	0.95	m_e	mb	4.5
GRA1	77.08		P	23:14:03.386		34.7		4.30		TAS		12.0	0.83	m_e	mb	5.1
GRA1	77.08		pP	23:14:20.065						T__				m_e		
GTTG	76.11		P	23:13:57.701	0.0	34.7		4.30		TAS		7.3	0.84	m_e	mb	4.8
MOX	76.18		P	23:13:57.761	-0.4	34.7		4.30		TAS		5.6	0.99	m_e	mb	4.7
ROTZ	76.63		P	23:14:00.703	-0.1	34.7		4.30		TAS		4.7	0.95	m_e	mb	4.6
WET	76.84		P	23:14:02.168	0.1	34.7		4.30		TAS		5.4	1.07	m_e	mb	4.6

Event 10528010 Greece-Albania border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/28	01:03:52.95	1.03	1.57	39.4850	20.8800	93.4	22.2	56	10.0			9	347	8.41	11.98	m i ke	BGR
OrigID																	

10528016

Magnitude	Err	Nsta	Author	OrigID													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
ARSA	8.68		Pn	01:05:56.498	-0.9					T__				m_e			
FUR	11.10		Sn	01:08:24.434	-4.2					T__				m_e			
FUR	11.10		Pn	01:06:30.568	0.6					T__				m_e			
GEC2	10.68		Sn	01:08:18.721	0.1					T__				m_e			
GEC2	10.68		Pn	01:06:24.133	-0.1					T__				m_e			
KBA	9.37		Sn	01:07:49.314	1.8					T__				m_e			
KBA	9.37		Pn	01:06:06.585	0.0					T__				m_e			
MOA	9.63		Pn	01:06:10.338	0.2					T__				m_e			
OBKA	8.41		Sn	01:07:27.131	2.3					T__				m_e			
OBKA	8.41		Pn	01:05:53.415	-0.3					T__				m_e			
ROTZ	11.98		Pn	01:06:41.562	-0.3					T__				m_e			
WET	11.22		Pn	01:06:30.702	-0.9					T__				m_e			
WTTA	10.28		Pn	01:06:20.710	1.9					T__				m_e			

Event 10528008 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																	
2011/05/28	02:13:58.20			36.5600	140.5300				34.6			12		81.10	83.12	m i ke	NEIC
10528062																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10528014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	81.10		P	02:26:09.481	-0.4	38.9		5.36		TAS		4.5	0.71	m_e mb	4.6
CLL	81.15		P	02:26:09.749	-0.1	38.9		5.36		TAS		8.9	0.64	m_e mb	4.9
FBE	81.30		P	02:26:11.146	0.3	38.9		5.36		TAS		12.4	0.91	m_e mb	4.9
GRA1	83.12		P	02:26:20.617		38.9		5.36		TAS		13.9	0.90	m_e mb	5.2
NEUB	81.73		P	02:26:12.885	0.2	38.9		5.36		TAS		16.0	1.01	m_e mb	5.1
NKC	82.20		P	02:26:15.643		38.9		5.36		TAS		6.6	1.20	m_e mb	4.6
ROHR	82.26		P	02:26:15.900		38.9		5.36		TAS		6.2	1.40	m_e mb	4.5
ROTZ	82.66		P	02:26:18.200		38.9		5.36		TAS		4.3	0.72	m_e mb	4.8
SCHD	82.47		P	02:26:15.942		38.9		5.36		TAS		7.2	0.85	m_e mb	4.8
TAUT	81.92		P	02:26:14.145	0.0	38.9		5.36		TAS		13.8	0.77	m_e mb	5.2
WERN	82.19		P	02:26:15.532	0.1	38.9		5.36		TAS		4.0	0.56	m_e mb	4.8
WIMM	81.59		P	02:26:11.736	-0.0	38.9		5.36		TAS		4.7	0.70	m_e mb	4.7

Event 10528007 Turkey

./2011/bull1105.txt

Thu Apr 23 08:38:25 2020

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/28	05:47:12.67			39.2600	29.8500				10.0			11		15.03	20.09	m i k e	BGR
OrigID 10528013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10528013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	17.94		P	05:51:24.474	0.5	120.3		12.64		TAS		48.7	1.48	m_e	mb 4.4
BRG	16.12		P	05:51:03.604	3.7	120.3		12.64		TAS		12.4	1.26	m_e	mb 3.9
BSEG	19.79		P	05:51:44.517		120.3		12.64		TAS		95.4	1.89	m_e	mb 4.7
FUR	16.08		P	05:51:03.264	2.5	120.3		12.64		TAS		122.5	1.75	m_e	mb 4.7
GEC2	15.03		P	05:50:45.392	-2.5	120.3		12.64		TAS				m_e	
GRA1	16.85		P	05:51:07.580	0.6	120.3		12.64		TAS		107.4	2.49	m_e	mb 4.5
IBBN	20.09		P	05:51:49.182		120.3		12.64		TAS		43.8	1.17	m_e	mb 4.6
MOX	17.16		P	05:51:14.961	0.9	120.3		12.64		TAS		52.9	1.95	m_e	mb 4.3
STU	17.59		P	05:51:20.486	1.0	120.3		12.64		TAS		106.9	1.98	m_e	mb 4.6
TNS	18.67		P	05:51:35.028		120.3		12.64		TAS		17.5	1.20	m_e	mb 4.2
WET	15.64		P	05:50:53.726	-2.0	120.3		12.64		TAS		45.8	1.77	m_e	mb 4.3

Event 10528006 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/28	06:42:04.61			-20.8200	168.9700				33.0			23		145.00	148.45	m i k e	BGR
OrigID 10528012																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.08		PKPbc	07:01:44.125	0.2	36.3		3.43		TAS				a_e	
BFO	148.45		PKPbc	07:01:49.625	1.0	36.3		3.43		TAS				a_e	
BUG	146.25		PKPbc	07:01:40.625	-0.4	36.3		3.43		TAS				a_e	
FUR	147.34		PKPbc	07:01:44.675	-0.6	36.3		3.43		TAS				a_e	
GEC2	145.75		PKPbc	07:01:39.525	-0.5	36.3		3.43		TAS				a_e	
GRA1	146.20		PKPbc	07:01:41.375	0.3	36.3		3.43		TAS				a_e	
GTTG	145.22		PKPbc	07:01:37.675	0.2	36.3		3.43		TAS				a_e	
IBBN	145.35		PKPbc	07:01:37.825	-0.2	36.3		3.43		TAS				a_e	
MOX	145.30		PKPbc	07:01:37.825	-0.1	36.3		3.43		TAS				a_e	
MULD	145.16		PKPbc	07:01:37.525	-0.0	36.3		3.43		TAS				a_e	
NKC	145.28		PKPbc	07:01:38.025	0.1	36.3		3.43		TAS				a_e	
PLN	145.20		PKPbc	07:01:37.725	0.1	36.3		3.43		TAS				a_e	
ROHR	145.33		PKPbc	07:01:38.275	0.1	36.3		3.43		TAS				a_e	
ROTZ	145.73		PKPbc	07:01:39.825	0.3	36.3		3.43		TAS				a_e	
SCHD	145.55		PKPbc	07:01:38.775	0.0	36.3		3.43		TAS				a_e	
STU	147.75		PKPbc	07:01:45.775	-0.5	36.3		3.43		TAS				a_e	

TAUT	145.00	PKPbc	07:01:36.925	0.1	36.3	3.43	TAS	m_e
TNS	146.86	PKPbc	07:01:43.375	0.2	36.3	3.43	TAS	a_e
TRIB	145.31	PKPbc	07:01:38.025	-0.0	36.3	3.43	TAS	a_e
WERD	145.17	PKPbc	07:01:37.525	-0.0	36.3	3.43	TAS	a_e
WERN	145.26	PKPbc	07:01:38.075	0.2	36.3	3.43	TAS	a_e
WET	145.90	PKPbc	07:01:40.425	0.1	36.3	3.43	TAS	a_e
WLF	148.14	PKPbc	07:01:47.175	-0.3	36.3	3.43	TAS	a_e

Event 10528005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/28	13:46:08.61			36.3420	142.5150				33.0			15		81.07	86.34	m i ke	BGR
OrigID 10528011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10528011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.34	P		13:58:45.251		37.5		5.10		TAS		19.9	1.11	m_e mb	5.2
BRG	82.10	P		13:58:24.133	0.0	37.5		5.10		TAS		11.0	1.07	m_e mb	4.9
BSEG	81.07	P		13:58:18.749	-0.1	37.5		5.10		TAS		29.0	1.25	m_e mb	5.2
CLL	82.13	P		13:58:23.761	-0.6	37.5		5.10		TAS		22.0	1.16	m_e mb	5.2
CLZ	82.73	P		13:58:27.406	0.1	37.5		5.10		TAS		23.7	1.20	m_e mb	5.3
FUR	85.30	P		13:58:40.574	-0.5	37.5		5.10		TAS		29.3	1.04	m_e mb	5.5
GEC2	83.76	P		13:58:32.335	-0.3	37.5		5.10		TAS		7.6	1.03	m_e mb	4.9
GRA1	84.11	P		13:58:35.013	0.6	37.5		5.10		TAS		36.9	1.21	m_e mb	5.5
GTTG	83.11	P		13:58:29.279	-0.0	37.5		5.10		TAS		19.5	1.27	m_e mb	5.2
IBBN	83.30	P		13:58:30.268	0.1	37.5		5.10		TAS		36.3	1.10	m_e mb	5.5
MOX	83.20	P		13:58:29.603	-0.1	37.5		5.10		TAS		15.4	1.41	m_e mb	5.0
ROTZ	83.66	P		13:58:32.552	0.5	37.5		5.10		TAS		22.8	1.36	m_e mb	5.2
STU	85.64	P		13:58:42.093		37.5		5.10		TAS		27.5	0.98	m_e mb	5.3
TNS	84.75	P		13:58:37.826	0.1	37.5		5.10		TAS		22.7	1.46	m_e mb	5.2
WET	83.87	P		13:58:33.282	0.1	37.5		5.10		TAS		12.8	1.28	m_e mb	5.0

Event 10528004 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
2011/05/28	14:56:29.15			38.6550	142.1620				33.0			12		79.96	84.18	m i ke	BGR
OrigID 10528010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10528010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.81		P	15:08:48.233		36.6		5.27		TAS		25.8	1.25	m_e	mb 5.3
BFO	84.18		P	15:08:54.406		36.6		5.27		TAS		71.9	1.71	m_e	mb 5.6
BRG	79.96		P	15:08:32.728	-0.6	36.6		5.27		TAS		15.1	1.07	m_e	mb 4.8
CLL	79.99		P	15:08:32.547	0.1	36.6		5.27		TAS		23.7	1.01	m_e	mb 5.1
CLZ	80.55		P	15:08:36.136	-0.1	36.6		5.27		TAS		31.6	1.29	m_e	mb 5.2
FUR	83.17		P	15:08:50.039		36.6		5.27		TAS		48.3	0.83	m_e	mb 5.8
GEC2	81.65		P	15:08:41.628	0.3	36.6		5.27		TAS		9.2	1.09	m_e	mb 4.8
GRA1	81.96		P	15:08:44.382	-0.1	36.6		5.27		TAS		47.6	1.51	m_e	mb 5.4
MOX	81.05		P	15:08:38.599	-0.2	36.6		5.27		TAS		15.1	1.16	m_e	mb 4.9
ROTZ	81.52		P	15:08:41.680	0.8	36.6		5.27		TAS		26.4	1.49	m_e	mb 5.1
STU	83.49		P	15:08:51.483		36.6		5.27		TAS		29.1	0.94	m_e	mb 5.5
WET	81.74		P	15:08:42.676	0.1	36.6		5.27		TAS		14.7	1.28	m_e	mb 5.0

Event 10528003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/28	17:07:50.23			-3.6900	103.4900				40.8			15		92.55	96.05	m i ke	BGR
OrigID 10528009																	

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 10528009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	92.55		P	17:20:57.455	0.0	90.7		4.55		TAS		28.1	1.05	m_e	mb 5.6
CLL	93.16		P	17:20:59.997	-0.2	90.7		4.55		TAS		22.6	1.12	m_e	mb 5.5
CLZ	94.81		P	17:21:07.513		90.7		4.55		TAS		23.5	1.22	m_e	mb 5.5
FBE	92.92		P	17:20:59.294	0.1	90.7		4.55		TAS		26.6	0.96	m_e	mb 5.6
GEC2	92.61		P	17:20:57.663	-0.1	90.7		4.55		TAS		35.2	1.21	m_e	mb 5.7
GRA1	94.26		P	17:21:05.360		90.7		4.55		TAS		27.3	1.05	m_e	mb 5.5
MANZ	93.69		P	17:21:02.645	-0.1	90.7		4.55		TAS		30.1	1.13	m_e	mb 5.5
MOX	94.02		P	17:21:03.886	0.1	90.7		4.55		TAS		19.3	1.10	m_e	mb 5.3
NEUB	93.93		P	17:21:03.672	-0.2	90.7		4.55		TAS		48.5	1.07	m_e	mb 5.8
PLN	93.67		P	17:21:02.424	0.0	90.7		4.55		TAS		15.8	1.10	m_e	mb 5.3
ROTZ	93.62		P	17:21:02.605	-0.1	90.7		4.55		TAS		17.3	1.09	m_e	mb 5.3
RUE	92.72		P	17:20:58.550	0.3	90.7		4.55		TAS		83.5	1.35	m_e	mb 6.0
TNS	96.05		P	17:21:13.543		90.7		4.55		TAS		31.5	1.17	m_e	mb 5.7
TNS	96.05		pP	17:21:25.507						T__				m_e	
WERN	93.53		P	17:21:01.696	-0.2	90.7		4.55		TAS		13.6	1.11	m_e	mb 5.2
WET	93.16		P	17:21:00.149	-0.1	90.7		4.55		TAS		25.4	1.11	m_e	mb 5.6

Event 10528001 Azores Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/05/28 21:45:25.70 36.8000 -33.1800 14.8 10 32.29 36.15 m i ke NEIC
 10528055

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10528007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	32.29		P	21:51:53.704	-0.3	265.0		8.43		TAS		24.8	1.58	m_e	mb 4.9
BRG	36.15		P	21:52:27.246		265.0		8.43		TAS		30.2	2.14	m_e	mb 4.7
BSEG	34.38		P	21:52:12.558		265.0		8.43		TAS		41.3	1.42	m_e	mb 5.2
CLZ	34.04		P	21:52:09.480	0.5	265.0		8.43		TAS		21.8	1.53	m_e	mb 4.9
GEC2	35.89		P	21:52:24.533		265.0		8.43		TAS		12.8	1.70	m_e	mb 4.5
GRA1	34.31		P	21:52:11.122		265.0		8.43		TAS		23.2	1.58	m_e	mb 4.9
MOX	34.66		P	21:52:14.525		265.0		8.43		TAS		18.9	1.53	m_e	mb 4.8
ROTZ	34.96		P	21:52:16.784		265.0		8.43		TAS		23.9	1.91	m_e	mb 4.8
STU	32.91		P	21:51:59.318	-0.1	265.0		8.43		TAS		9.9	1.10	m_e	mb 4.7
WET	35.36		P	21:52:19.669		265.0		8.43		TAS		5.5	1.38	m_e	mb 4.3

Event 10529003 Off east coast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/05/29 03:26:52.68 1.30 37.6210 142.6130 33.0 7 351 83.04 83.04 m i ke BGR
 10529009

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 10529009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.04		P	03:39:12.900		36.0		4.36		TAS		11.2	1.28	m_e	mb 4.9

Event 10529002 Turkey

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/05/29 11:02:05.50 1.30 37.4100 42.5700 11.2 9 351 23.82 27.62 m i ke NEIC
 10529056

Magnitude Err Nsta Author OrigID
 mb 4.5 BGR 10529008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	27.15		P	11:07:48.686		106.7		8.53		TAS		21.5	1.76	m_e	mb 4.6
BRG	24.38		P	11:07:29.912	2.1	106.7		8.53		TAS		12.4	1.65	m_e	mb 4.2

BSEG	27.62	P	11:07:55.158	106.7	8.53	TAS	20.2	1.41	m_e mb	4.8
CLL	25.09	P	11:07:35.390	1.4 106.7	8.53	TAS	11.4	1.06	m_e mb	4.5
CLZ	26.81	P	11:07:47.547	106.7	8.53	TAS	5.1	0.89	m_e mb	4.3
FUR	25.19	P	11:07:33.781	1.7 106.7	8.53	TAS	33.2	1.06	m_e mb	5.0
GEC2	23.82	P	11:07:19.923	-1.9 106.7	8.53	TAS	7.2	1.21	m_e mb	4.1
ROTZ	25.04	P	11:07:31.778	-0.9 106.7	8.53	TAS	6.5	0.84	m_e mb	4.4
WET	24.43	P	11:07:25.647	-1.4 106.7	8.53	TAS	23.5	2.10	m_e mb	4.3

Event 10529001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/29	11:28:40.70		1.57	39.6900	143.2700				32.0				347	81.49	81.49	m i ke	NEIC
OrigID 10529055																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10529007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.49		P	11:40:54.998		35.4		4.27		TAS		6.6	0.92	m_e mb	4.7

Event 10530004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/05/30	00:06:26.15		0.69	-16.2000	-173.5900				33.0				17	293	145.04	147.92	m i ke	BGR
OrigID 10530010																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.92		PKPbc	00:26:07.512		7.1		2.99		TAS				m_e	
FUR	147.88		PKPbc	00:26:07.784		7.1		2.99		TAS				m_e	
GEC2	146.90		PKPbc	00:26:04.622		7.1		2.99		TAS				m_e	
GRA1	146.37		PKPbc	00:26:02.685		7.1		2.99		TAS				m_e	
MOX	145.39		PKPbc	00:25:59.841	0.1	7.1		2.99		TAS				m_e	
MULD	145.53		PKPbc	00:26:00.693	-0.2	7.1		2.99		TAS				m_e	
NKC	145.70		PKPbc	00:26:00.827		7.1		2.99		TAS				m_e	
ROHR	145.72		PKPbc	00:26:00.916		7.1		2.99		TAS				m_e	
ROTZ	146.19		PKPbc	00:26:02.982		7.1		2.99		TAS				m_e	
SCHF	145.27		PKPbc	00:25:59.922	0.1	7.1		2.99		TAS				m_e	
STU	147.44		PKPbc	00:26:06.311		7.1		2.99		TAS				m_e	
TAUT	145.04		PKPbc	00:25:59.455	-0.3	7.1		2.99		TAS				m_e	
TNS	146.02		PKPbc	00:26:01.856		7.1		2.99		TAS				m_e	
WERD	145.51		PKPbc	00:26:00.526	0.1	7.1		2.99		TAS				m_e	

WERN	145.66	PKPbc	00:26:01.028	7.1	2.99	TAS	m_e
WET	146.72	PKPbc	00:26:04.359	7.1	2.99	TAS	m_e
WLF	146.62	PKPbc	00:26:04.108	7.1	2.99	TAS	m_e

Event 10530002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/30	14:02:07.87		1.30	-24.0800	-178.6200				33.0			14	351	151.38	152.54	m i ke	BGR
OrigID 10530008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.54		PKPbc	14:21:58.556	0.2	20.6		2.43		TAS				m_e	
CLL	151.38		PKPbc	14:21:58.128	0.2	20.6		2.43		TAS				m_e	
CLZ	151.44		PKPbc	14:21:58.654	-0.1	20.6		2.43		TAS				m_e	
FBE	151.65		PKPbc	14:21:59.122	0.2	20.6		2.43		TAS				m_e	
MOX	152.32		PKPbc	14:22:00.206	0.1	20.6		2.43		TAS				m_e	
MULD	152.35		PKPbc	14:22:00.680		20.6		2.43		TAS				m_e	
NEUB	151.77		PKPbc	14:21:59.355	-0.3	20.6		2.43		TAS				m_e	
PLN	152.34		PKPbc	14:22:00.307	0.1	20.6		2.43		TAS				m_e	
ROHR	152.54		PKPbc	14:22:01.071		20.6		2.43		TAS				m_e	
TAUT	151.98		PKPbc	14:21:59.854	-0.1	20.6		2.43		TAS				m_e	
TRIB	152.47		PKPbc	14:22:01.011		20.6		2.43		TAS				m_e	
WERD	152.34		PKPbc	14:22:00.420	0.1	20.6		2.43		TAS				m_e	
WERN	152.47		PKPbc	14:22:00.928		20.6		2.43		TAS				m_e	
WIMM	151.52		PKPbc	14:21:58.089	0.2	20.6		2.43		TAS				m_e	

Event 10530001 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
2011/05/30	19:36:36.01		1.30	36.3000	140.8000				12.8			7	351	81.43	85.70	m i ke	BGR
OrigID 10530007																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10530007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.70		P	19:49:14.772		38.6		5.12		TAS		13.9	1.18	m_e mb	5.0
BRG	81.43		P	19:48:52.957	-0.3	38.6		5.12		TAS		5.0	1.08	m_e mb	4.5
CLL	81.49		P	19:48:53.106	0.1	38.6		5.12		TAS		10.5	1.11	m_e mb	4.8
CLL	81.49		pP	19:48:56.811						T__				m_e	
CLZ	82.11		P	19:48:56.703	0.1	38.6		5.12		TAS		8.2	1.16	m_e mb	4.7

MOX	82.56	P	19:48:59.008	-0.0	38.6	5.12	TAS	3.4	1.04	m_e	mb	4.5
ROTZ	83.00	P	19:49:01.651		38.6	5.12	TAS	10.1	1.37	m_e	mb	4.9
WET	83.19	P	19:49:02.184		38.6	5.12	TAS	5.6	1.28	m_e	mb	4.6

Event 10531007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/30	23:53:46.09		0.22	40.4480	143.5020				33.0			13	191	77.74	83.10	m i ke	BGR
OrigID 10531013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10531013
Ms	5.1		BGR	10531013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	81.68	P		00:05:59.581	-0.3	34.8		5.35		TAS		15.6	1.43	m_e	mb	4.9
BFO	83.10	P		00:06:07.072		34.8		5.35		TAS		10.3	0.89	a_e	mb	5.1
BRG	78.93	P		00:05:44.872	-0.3	34.8		5.35		TAS		16.2	1.35	a_e	mb	4.9
BSEG	77.74	P		00:05:38.672	0.0	34.8		5.35		TAS		26.6	0.97	a_e	mb	5.3
CLL	78.93	P		00:05:44.622	-0.5	34.8		5.35		TAS		24.5	0.84	m_e	mb	5.3
CLZ	79.45	P		00:05:48.072	0.2	34.8		5.35		TAS		20.9	0.78	a_e	mb	5.2
FUR	82.15	P		00:06:02.472		34.8		5.35		TAS		32.8	0.85	a_e	mb	5.5
GEC2	80.65	P		00:05:54.172	-0.1	34.8		5.35		TAS		8.2	1.04	a_e	mb	4.7
GTTG	79.84	P		00:05:50.213	0.3	34.8		5.35		TAS		14.5	0.85	m_e	mb	4.9
IBBN	79.95	P		00:05:50.539	0.1	34.8		5.35		TAS		21.4	0.79	m_e	mb	5.1
MOX	79.98	L		00:40:56.196						T__		778.0	18.80	a_e	Ms	5.1
MOX	79.98	P		00:05:50.804	0.0	34.8		5.35		TAS		11.7	1.18	m_e	mb	4.7
ROTZ	80.48	P		00:05:53.720	0.3	34.8		5.35		TAS		11.7	1.03	m_e	mb	4.8
WET	80.73	P		00:05:55.172	0.4	34.8		5.35		TAS		15.7	1.04	a_e	mb	5.0

Event 10531005 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
2011/05/31	12:28:34.51			39.6500	142.3600				33.0			10		78.06	83.38	m i ke	BGR
OrigID 10531011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10531011
Ms	4.8		BGR	10531011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	83.38	P		12:40:58.154		35.2		5.27		TAS		59.2	1.57	m_e	mb	5.6
BRG	79.18	P		12:40:36.075	-0.6	35.2		5.27		TAS		21.6	1.18	m_e	mb	5.1

BSEG	78.06	P	12:40:31.194	0.7	35.2	5.27	TAS	36.7	1.20	m_e	mb	5.4
CLL	79.20	P	12:40:35.802	-0.9	35.2	5.27	TAS	32.0	1.11	m_e	mb	5.3
CLZ	79.75	P	12:40:39.293	-0.2	35.2	5.27	TAS	47.6	1.25	m_e	mb	5.3
FUR	82.39	P	12:40:53.979		35.2	5.27	TAS	41.3	0.97	m_e	mb	5.5
GEC2	80.88	P	12:40:45.676	0.3	35.2	5.27	TAS	52.0	1.96	m_e	mb	5.2
MOX	80.26	L	13:18:44.828				T__	500.4	21.50	a_e	Ms	4.8
MOX	80.26	P	12:40:41.833	0.8	35.2	5.27	TAS	28.1	1.33	m_e	mb	5.0
ROTZ	80.74	P	12:40:45.676	0.8	35.2	5.27	TAS	64.7	1.68	m_e	mb	5.4
WET	80.97	P	12:40:47.004	-0.6	35.2	5.27	TAS	34.7	1.39	m_e	mb	5.2

Event 10531004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/31	16:26:16.48			40.7890	143.2520				33.0			16		77.35	82.71	m i ke	BGR
OrigID 10531010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10531010
Ms	4.9		BGR	10531010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	81.29		P	16:38:28.241	0.1	34.8		5.38		TAS		23.0	1.28	m_e	mb	5.1
BFO	82.71		P	16:38:35.272	-0.6	34.8		5.38		TAS		14.8	1.13	m_e	mb	5.1
BRG	78.54		P	16:38:13.328	-0.1	34.8		5.38		TAS		16.6	1.20	m_e	mb	4.9
BSEG	77.35		P	16:38:06.863	-0.1	34.8		5.38		TAS		29.4	1.06	a_e	mb	5.3
BUG	80.46		P	16:38:23.539	-0.1	34.8		5.38		TAS		28.3	1.23	m_e	mb	5.1
CLL	78.54		P	16:38:12.869	-0.6	34.8		5.38		TAS		21.9	1.02	m_e	mb	5.1
CLZ	79.06		P	16:38:16.313	0.2	34.8		5.38		TAS		32.0	1.21	a_e	mb	5.2
FUR	81.76		P	16:38:30.749	0.0	34.8		5.38		TAS		44.9	1.21	m_e	mb	5.5
GEC2	80.26		P	16:38:22.563	-0.1	34.8		5.38		TAS		10.2	1.11	a_e	mb	4.7
GTTG	79.45		P	16:38:18.416	0.2	34.8		5.38		TAS		14.6	0.89	m_e	mb	5.0
IBBN	79.56		P	16:38:18.805	0.0	34.8		5.38		TAS		28.4	0.93	m_e	mb	5.2
MOX	79.59	L		17:13:24.113						T__		531.9	18.50	a_e	Ms	4.9
MOX	79.59	P		16:38:19.013	-0.1	34.8		5.38		TAS		16.2	1.21	a_e	mb	4.8
ROTZ	80.09		P	16:38:22.213	0.5	34.8		5.38		TAS		32.1	1.53	m_e	mb	5.0
TNS	81.08		P	16:38:27.037	0.0	34.8		5.38		TAS		12.3	1.06	m_e	mb	4.9
WET	80.34		P	16:38:23.468	0.4	34.8		5.38		TAS		23.3	1.21	m_e	mb	5.0
WLF	82.34		P	16:38:33.974	0.2	34.8		5.38		TAS		90.5	2.14	m_e	mb	5.5

Event 10531003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/31	20:14:26.60			-19.5400	168.2200				24.0			14		144.15	147.17	m i ke	NEIC
OrigID																	

10531057

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	145.64		PKP	20:34:05.024	0.4	39.7		2.72		TAS					m_e	
ARSA	144.52		PKP	20:34:01.421	0.1	39.7		2.72		TAS					m_e	
BFO	146.99		PKP	20:34:08.082	0.3	39.7		2.72		TAS					m_e	
DAVA	147.17		PKP	20:34:08.700		39.7		2.72		TAS					m_e	
FUR	145.89		PKP	20:34:05.357	0.1	39.7		2.72		TAS					m_e	
GEC2	144.29		PKP	20:34:00.285	-0.3	39.7		2.72		TAS					m_e	
KBA	145.72		PKP	20:34:03.898	0.1	39.7		2.72		TAS					m_e	
MANZ	144.15		PKP	20:33:59.392	-0.9	39.7		2.72		TAS					m_e	
MOA	144.73		PKP	20:34:01.641	-0.1	39.7		2.72		TAS					m_e	
OBKA	145.51		PKP	20:34:03.614	-0.7	39.7		2.72		TAS					m_e	
ROTZ	144.28		PKP	20:34:00.548	-0.1	39.7		2.72		TAS					m_e	
TNS	145.41		PKP	20:34:03.391	-0.6	39.7		2.72		TAS					m_e	
WET	144.45		PKP	20:34:03.056	2.0	39.7		2.72		TAS					m_e	
WLF	146.70		PKP	20:34:07.942	-0.1	39.7		2.72		TAS					m_e	

Event 10531002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2011/05/31	21:00:46.55			-21.2600	170.4000				33.0			16		145.16	149.40	m i ke	BGR
10531008																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	149.40		PKPbc	21:20:31.666		36.2		2.87		TAS					m_e	
BRG	145.16		PKPbc	21:20:19.664	-0.5	36.2		2.87		TAS					m_e	
CLL	145.20		PKPbc	21:20:19.611	-0.1	36.2		2.87		TAS					m_e	
CLZ	145.75		PKPbc	21:20:21.957	0.4	36.2		2.87		TAS					m_e	
FBE	145.36		PKPbc	21:20:20.502	-0.3	36.2		2.87		TAS					m_e	
GEC2	146.78		PKPbc	21:20:24.818		36.2		2.87		TAS					m_e	
GTTG	146.14		PKPbc	21:20:23.405	-0.3	36.2		2.87		TAS					m_e	
IBBN	146.22		PKPbc	21:20:22.909	0.1	36.2		2.87		TAS					m_e	
MULD	146.14		PKPbc	21:20:23.240	-0.0	36.2		2.87		TAS					m_e	
ROHR	146.31		PKPbc	21:20:23.317		36.2		2.87		TAS					m_e	
ROTZ	146.72		PKPbc	21:20:25.011		36.2		2.87		TAS					m_e	
SCHF	145.93		PKPbc	21:20:22.633	0.6	36.2		2.87		TAS					m_e	
TAUT	145.96		PKPbc	21:20:22.324	0.4	36.2		2.87		TAS					m_e	
WET	146.91		PKPbc	21:20:25.336		36.2		2.87		TAS					m_e	
WIMM	145.60		PKPbc	21:20:20.944	0.2	36.2		2.87		TAS					m_e	
WLF	149.02		PKPbc	21:20:31.303		36.2		2.87		TAS					m_e	

Event 10531001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/05/31	21:27:38.40			39.6710	143.2750				33.0					81.48	81.48	m i ke	BGR
10531007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10531007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA2	81.48		P	21:39:51.074		34.8		4.33		TAS		10.4	0.91	m_e mb	4.9