

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

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April 2011 UPDATED 08.MAY.2012

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

Event 10401003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	03:23:20.80		0.90	37.6300	143.3300				36.7			10	211	80.21	85.52	m i ke	NEIC
OrigID 10401057																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10401009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.52		P	03:35:55.046		36.4		5.25		TAS		7.8	0.91	m_e mb	4.8
BRG	81.31		P	03:35:33.157	-0.4	36.4		5.25		TAS		6.1	1.17	m_e mb	4.5
BSEG	80.21		P	03:35:27.505	0.2	36.4		5.25		TAS		9.5	0.76	m_e mb	4.8
CLL	81.33		P	03:35:33.116	-0.3	36.4		5.25		TAS		7.9	0.93	m_e mb	4.7
FUR	84.52		P	03:35:50.429		36.4		5.25		TAS		13.3	0.67	m_e mb	5.3
GEC2	83.00		P	03:35:42.258		36.4		5.25		TAS		2.8	0.93	m_e mb	4.5
GRA1	83.31		P	03:35:44.241		36.4		5.25		TAS		18.1	1.24	m_e mb	5.2
RJOB	84.25		P	03:35:48.891		36.4		5.25		TAS		5.8	0.91	m_e mb	4.8
STU	84.83		P	03:35:51.602		36.4		5.25		TAS		14.8	0.64	m_e mb	5.4
WET	83.09		P	03:35:43.091		36.4		5.25		TAS		1.7	0.80	m_e mb	4.3

Event 10401008 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	10:49:50.00		0.80	40.3100	140.2100				49.9			7	255	77.77	79.77	m i ke	NEIC
OrigID 10401062																	

Magnitude	Err	Nsta	Author	OrigID
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mb 4.8 BGR 10401014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	77.77		P	11:01:41.792	-0.2	37.2		4.41		TAS				m_e	
GRA1	79.77		P	11:01:53.206		37.2		4.41		TAS		14.1	1.18	m_e mb	4.8

Event 10401009 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
2011/04/01	11:57:56.08		0.80	39.9320	142.9910				33.0			32	255	76.49	83.37	m i ke	BGR
OrigID																	
10401015																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	10401015
MBB	6.4		BGR	10401015
Ms	5.7		BGR	10401015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.96		P	12:10:10.685	-0.1	35.4		5.33		TAS		180.3	1.15	m_e MBB	6.4
ASSE	79.38		P	12:09:56.902	-0.2	35.4		5.33		TAS		175.4	1.16	m_e MBB	6.4
BFO	83.37		P	12:10:17.884	-0.5	35.4		5.33		TAS		331.1	1.34	m_e MBB	6.7
BRG	79.18		P	12:09:55.802	-0.2	35.4		5.33		TAS		176.0	1.01	m_e MBB	6.4
BSEG	78.03		P	12:09:49.956	0.2	35.4		5.33		TAS		272.1	1.03	m_e MBB	6.6
BUG	81.14		P	12:10:06.213	-0.2	35.4		5.33		TAS		182.4	1.09	m_e MBB	6.4
CLL	79.19		P	12:09:55.629	-0.5	35.4		5.33		TAS		267.0	0.94	m_e MBB	6.5
CLZ	79.72		P	12:09:59.275	0.4	35.4		5.33		TAS		383.5	1.27	m_e MBB	6.4
FBE	79.37		P	12:09:57.134	0.1	35.4		5.33		TAS		275.1	0.97	m_e MBB	6.4
FLT1	79.02		P	12:09:54.666	-0.5	35.4		5.33		TAS		287.5	0.96	m_e MBB	6.5
FUR	82.40		P	12:10:13.288	0.1	35.4		5.33		TAS		344.8	0.92	m_e MBB	6.8
GEC2	80.89		P	12:10:04.890	-0.3	35.4		5.33		TAS		107.2	0.98	m_e MBB	6.1
GRA1	81.17		P	12:10:07.112	0.5	35.4		5.33		TAS		405.9	1.00	m_e mb	6.4
GRA1	81.17		L	12:48:26.670						T__		3359.7	22.00	a_e Ms	5.7
GTTG	80.11		P	12:10:01.880	0.9	35.4		5.33		TAS		207.6	1.01	m_e MBB	6.3
GUNZ	80.21		P	12:10:01.583	0.1	35.4		5.33		TAS		168.8	1.06	m_e MBB	6.1
IBBN	80.25		P	12:10:01.764	0.2	35.4		5.33		TAS		255.9	0.93	m_e MBB	6.4
MANZ	80.59		P	12:10:03.522	-0.1	35.4		5.33		TAS		143.8	1.00	m_e MBB	6.3
MOX	80.25		P	12:10:01.649	-0.1	35.4		5.33		TAS		164.8	1.10	m_e MBB	6.3
MOX	80.25		L	12:46:47.844						T__		3565.8	21.70	a_e Ms	5.7
NEUB	79.74		P	12:09:58.870	-0.1	35.4		5.33		TAS		295.5	0.96	m_e MBB	6.4
NRDL	79.28		P	12:09:56.504	-0.0	35.4		5.33		TAS		148.9	1.06	m_e MBB	6.4
PLN	80.17		P	12:10:01.238	-0.1	35.4		5.33		TAS		184.3	1.33	m_e MBB	6.2
RGN	76.49		P	12:09:41.568	-0.1	35.4		5.33		TAS		302.9	0.87	m_e MBB	6.8
RJOB	82.14		P	12:10:12.067	0.2	35.4		5.33		TAS		282.6	1.08	m_e MBB	6.7
ROTZ	80.73		P	12:10:04.673	0.3	35.4		5.33		TAS		241.6	1.19	m_e MBB	6.5
RUE	77.97		P	12:09:49.391	-0.2	35.4		5.33		TAS		368.0	1.17	m_e MBB	6.7
STU	82.68		P	12:10:14.527	-0.2	35.4		5.33		TAS		234.3	0.83	m_e MBB	6.7

TANN	80.11	P	12:10:00.954	-0.1	35.4	5.33	TAS	113.3	1.20	m_e	MBB	6.2
TNS	81.75	P	12:10:09.655	-0.0	35.4	5.33	TAS	133.5	1.04	m_e	MBB	6.4
WERD	80.15	P	12:10:01.149	-0.0	35.4	5.33	TAS	142.7	1.14	m_e	MBB	6.0
WERN	80.25	P	12:10:01.935	0.2	35.4	5.33	TAS	180.4	1.03	m_e	MBB	6.1
WET	80.98	P	12:10:05.776	0.2	35.4	5.33	TAS	201.6	1.20	m_e	MBB	6.4
WLF	83.02	P	12:10:16.362	-0.1	35.4	5.33	TAS	550.1	2.17	m_e	MBB	6.5

Event 10401010 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	12:15:09.05		0.80	37.0710	142.5740				33.0			9	255	80.44	85.72	m i ke	BGR
OrigID 10401016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10401016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.72		P	12:27:42.945		37.1		5.15		TAS		23.2	1.12	m_e	mb	5.2
BRG	81.49		P	12:27:21.321	-0.3	37.1		5.15		TAS		14.4	1.24	m_e	mb	4.9
BSEG	80.44		P	12:27:16.132	0.0	37.1		5.15		TAS		13.6	1.12	m_e	mb	4.8
CLL	81.52		P	12:27:21.418	-0.3	37.1		5.15		TAS		20.7	1.06	m_e	mb	5.2
CLZ	82.10		P	12:27:25.083	-0.1	37.1		5.15		TAS		20.0	1.14	m_e	mb	5.1
GEC2	83.17		P	12:27:30.109		37.1		5.15		TAS				m_e		
GRA1	83.50		P	12:27:32.314		37.1		5.15		TAS		36.7	1.34	m_e	mb	5.4
RJOB	84.41		P	12:27:36.857		37.1		5.15		TAS		15.9	1.26	m_e	mb	5.1
WET	83.27		P	12:27:30.865		37.1		5.15		TAS		8.5	1.22	m_e	mb	4.8

Event 10401011 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	13:28:52.39		0.80	34.4460	27.3590				33.0			32	255	17.19	24.01	m i ke	BGR
OrigID 10401017																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	10401017
MBB	6.5		BGR	10401017
Ms	5.4		BGR	10401017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	21.85		P	13:33:42.997	0.7	136.1		10.93		TAS		2272.0	1.09	m_e	MBB	6.6
BFO	19.83		P	13:33:20.988	1.8	136.1		10.93		TAS		1034.8	1.37	m_e	MBB	6.2
BRG	19.10		P	13:33:12.221	0.7	136.1		10.93		TAS		1141.5	1.09	m_e	MBB	6.5
BSEG	22.89		P	13:33:51.203	-1.3	136.1		10.93		TAS		3293.6	1.90	m_e	MBB	6.6

BUG	22.35	P	13:33:47.531	-0.5	136.1	10.93	TAS	2350.5	1.31	m_e	MBB	6.7
CLL	19.80	P	13:33:19.802	0.4	136.1	10.93	TAS	2371.1	1.42	m_e	MBB	6.4
CLZ	21.26	P	13:33:35.592	-0.4	136.1	10.93	TAS	998.6	1.16	m_e	MBB	6.4
FBE	19.36	P	13:33:15.497	0.9	136.1	10.93	TAS	2395.3	1.07	m_e	MBB	6.5
FLT1	21.29	P	13:33:35.099	-0.6	136.1	10.93	TAS	1607.8	1.45	m_e	MBB	6.4
FUR	18.22	P	13:33:01.695	-1.0	136.1	10.93	TAS	4010.1	1.44	m_e	MBB	6.5
GEC2	17.60	P	13:32:54.378	-1.8	136.1	10.93	TAS	5180.8	1.61	m_e	MBB	6.4
GRA1	19.32	P	13:33:15.088	0.1	136.1	10.93	TAS	5106.9	1.40	m_e	mb	6.6
GRA1	19.32	PcS	13:41:16.133		145.3	2.50	TAS			m_e		
GRA1	19.32	L	13:41:58.170				T__	15020.2	18.40	a_e	Ms	5.3
GTTG	21.21	P	13:33:36.515	0.9	136.1	10.93	TAS	4703.6	1.43	m_e	MBB	6.8
GUNZ	19.33	P	13:33:15.430	0.5	136.1	10.93	TAS	2921.0	1.86	m_e	MBB	6.5
HLG	24.01	P	13:34:02.239	-3.4	136.1	10.93	TAS	1048.7	1.31	m_e	MBB	6.5
IBBN	22.72	P	13:33:51.105	-1.0	136.1	10.93	TAS	828.4	1.04	m_e	MBB	6.6
MANZ	19.14	P	13:33:12.994	-0.0	136.1	10.93	TAS	2582.9	1.39	m_e	MBB	6.6
MOX	19.85	P	13:33:20.874	0.3	136.1	10.93	TAS	1412.6	1.43	m_e	MBB	6.3
MOX	19.85	L	13:41:48.374				T__	19235.4	18.30	m_e	Ms	5.5
NEUB	20.20	P	13:33:24.738	0.5	136.1	10.93	TAS	1588.5	1.15	m_e	MBB	6.6
NRDL	21.86	P	13:33:41.749	-0.6	136.1	10.93	TAS	1767.2	1.29	m_e	MBB	6.6
PLN	19.50	P	13:33:17.226	0.5	136.1	10.93	TAS	1943.2	1.38	m_e	MBB	6.6
RGN	22.37	P	13:33:46.339	2.2	136.1	10.93	TAS	1260.2	0.83	m_e	MBB	6.8
RJOB	17.19	P	13:32:48.934	-2.7	136.1	10.93	TAS	878.2	1.32	m_e	MBB	6.0
ROTZ	18.94	P	13:33:10.443	-0.3	136.1	10.93	TAS	1178.5	1.24	m_e	MBB	6.5
RUE	20.48	P	13:33:26.799	1.5	136.1	10.93	TAS	3908.9	1.29	m_e	MBB	6.7
STU	19.66	P	13:33:18.798	0.7	136.1	10.93	TAS	1383.5	1.50	m_e	MBB	6.3
TANN	19.32	P	13:33:15.173	0.4	136.1	10.93	TAS	3229.4	1.56	m_e	MBB	6.5
TNS	20.98	P	13:33:33.435	0.5	136.1	10.93	TAS	3149.1	1.14	m_e	MBB	6.6
WERD	19.41	P	13:33:16.226	0.5	136.1	10.93	TAS	1825.7	1.33	m_e	MBB	6.4
WERN	19.26	P	13:33:14.459	0.3	136.1	10.93	TAS	1737.9	1.41	m_e	MBB	6.4
WET	18.18	P	13:33:01.066	-1.5	136.1	10.93	TAS	3490.6	1.64	m_e	MBB	6.5
WLF	21.78	P	13:33:42.456	1.8	136.1	10.93	TAS	1760.0	1.30	m_e	MBB	6.5

Event 10401012 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	13:50:54.19		0.80	35.6950	70.7860				192.4			14	255	42.99	48.08	m i ke	BGR
10401018																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10401018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	42.99		P	13:58:32.454	-0.3	84.8		7.90		TAS		12.3	0.90	m_e	mb 4.6
BSEG	45.12		P	13:58:49.053	0.1	84.8		7.90		TAS		17.5	0.76	m_e	mb 5.1
BUG	47.14		P	13:59:04.902		84.8		7.90		TAS		13.7	0.91	m_e	mb 5.1
CLL	43.57		P	13:58:36.457	-0.2	84.8		7.90		TAS		7.1	0.92	m_e	mb 4.4

CLZ	45.18	P	13:58:49.599	-0.3	84.8	7.90	TAS	13.6	1.01	m_e	mb	4.8
FUR	44.93	P	13:58:48.219	0.7	84.8	7.90	TAS	54.2	1.50	m_e	mb	5.3
GRA1	44.81	P	13:58:47.706	-0.2	84.8	7.90	TAS	8.9	0.83	m_e	mb	4.7
GRA1	44.81	pP	13:59:29.605				T__				m_e	
GTTG	45.45	P	13:58:52.711	-0.1	84.8	7.90	TAS	25.3	0.91	m_e	mb	5.1
IBBN	46.75	P	13:59:01.778		84.8	7.90	TAS	14.0	0.79	m_e	mb	5.1
MOX	44.48	P	13:58:44.334	0.2	84.8	7.90	TAS	7.3	0.89	m_e	mb	4.4
NRDL	45.30	P	13:58:50.634	-0.5	84.8	7.90	TAS	39.0	1.80	m_e	mb	5.0
ROTZ	44.16	P	13:58:42.566	0.7	84.8	7.90	TAS	10.7	1.26	m_e	mb	4.4
TANN	43.95	P	13:58:40.200	-0.2	84.8	7.90	TAS	8.7	1.19	m_e	mb	4.4
WLF	48.08	P	13:59:12.896		84.8	7.90	TAS	30.8	1.35	m_e	mb	5.3

Event 10401013 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	14:44:43.13		0.80	37.0990	140.4030				39.9	3.3		21	255	79.63	84.85	m i ke	BGR
OrigID 10401019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10401019
Ms	4.9		BGR	10401019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.55		pP	14:57:17.401	-0.1	37.7		5.13		TAS					m_e
BFO	84.85		P	14:57:12.071		38.6		5.22		TAS		61.4	1.29	m_e	mb 5.7
BFO	84.85		pP	14:57:23.858	-0.5	37.7		5.13		TAS					m_e
BRG	80.58		P	14:56:50.805	0.0	38.6		5.22		TAS		42.9	1.21	m_e	mb 5.3
BRG	80.58		pP	14:57:02.271	-0.3	37.7		5.13		TAS					m_e
BSEG	79.63		P	14:56:45.527	-0.2	38.6		5.22		TAS		90.1	1.26	m_e	mb 5.6
BSEG	79.63		pP	14:56:57.275	-0.1	37.7		5.13		TAS					m_e
BUG	82.75		pP	14:57:13.019	-0.3	37.7		5.13		TAS					m_e
CLL	80.64		P	14:56:50.882	-0.2	38.6		5.22		TAS		62.3	1.09	m_e	mb 5.6
CLL	80.64		pP	14:57:02.263	-0.5	37.7		5.13		TAS					m_e
CLZ	81.26		P	14:56:54.338	-0.2	38.6		5.22		TAS		71.1	1.24	m_e	mb 5.6
CLZ	81.26		pP	14:57:06.061	0.2	37.7		5.13		TAS					m_e
FUR	83.78		P	14:57:07.754		38.6		5.22		TAS		77.4	1.12	m_e	mb 5.8
FUR	83.78		pP	14:57:19.023	0.0	37.7		5.13		TAS					m_e
GEC2	82.23		P	14:56:59.440	0.0	38.6		5.22		TAS		24.4	1.18	m_e	mb 5.2
GEC2	82.23		pP	14:57:10.887	-0.2	37.7		5.13		TAS					m_e
GRA1	82.61		P	14:57:01.794	-0.4	38.6		5.22		TAS		135.4	1.29	m_e	mb 6.0
GRA1	82.61		pP	14:57:13.441	0.5	37.7		5.13		TAS					m_e
GRA1	82.61		L	15:40:34.237						T__		687.8	19.70	a_e	Ms 5.0
GTTG	81.65		pP	14:57:08.537	0.7	37.7		5.13		TAS					m_e
IBBN	81.87		pP	14:57:08.769	-0.0	37.7		5.13		TAS					m_e
MOX	81.71		P	14:56:56.721	0.1	38.6		5.22		TAS		49.3	1.47	m_e	mb 5.4
MOX	81.71		pP	14:57:08.178	-0.1	37.7		5.13		TAS					m_e

MOX	81.71	L	15:41:13.367						T__	440.5	19.70	a_e	Ms	4.8
NRDL	80.85	pP	14:57:03.540	-0.1	37.7	5.13			TAS			m_e		
RJOB	83.47	P	14:57:05.834		38.6	5.22			TAS	44.8	1.33	m_e	mb	5.5
RJOB	83.47	pP	14:57:17.565	0.1	37.7	5.13			TAS			m_e		
ROTZ	82.15	P	14:56:59.207	0.4	38.6	5.22			TAS	92.4	1.49	m_e	mb	5.7
ROTZ	82.15	pP	14:57:11.057	0.5	37.7	5.13			TAS			m_e		
STU	84.15	P	14:57:09.004		38.6	5.22			TAS	74.3	1.16	m_e	mb	5.8
STU	84.15	pP	14:57:20.601	-0.2	37.7	5.13			TAS			m_e		
TANN	81.54	P	14:56:55.549	0.1	38.6	5.22			TAS	32.3	1.47	m_e	mb	5.2
TANN	81.54	pP	14:57:07.443	-0.0	37.7	5.13			TAS			m_e		
TNS	83.28	pP	14:57:16.379	0.1	37.7	5.13			TAS			m_e		
WET	82.35	P	14:57:00.038	0.3	38.6	5.22			TAS	39.5	1.27	m_e	mb	5.4
WET	82.35	pP	14:57:11.924	0.2	37.7	5.13			TAS			m_e		
WLF	84.61	P	14:57:12.460		38.6	5.22			TAS	95.4	1.59	m_e	mb	5.8
WLF	84.61	pP	14:57:23.071	0.1	37.7	5.13			TAS			m_e		

Event 10401016 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	17:03:50.69		0.83	40.7330	144.1850				33.0			21	150	77.71	83.10	m i ke	BGR
	10401022																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10401022
Ms	5.5		BGR	10401022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.65		P	17:16:03.749	0.0	34.2		5.35		TAS		41.1	1.21	m_e	mb 5.4
BFO	83.10		P	17:16:11.217	-0.3	34.2		5.35		TAS		42.3	1.09	m_e	mb 5.6
BRG	78.94		P	17:15:48.945	-0.3	34.2		5.35		TAS		25.2	0.96	m_e	mb 5.2
BSEG	77.71		P	17:15:42.881	0.2	34.2		5.35		TAS		59.4	0.91	m_e	mb 5.7
BUG	80.82		P	17:15:59.101	-0.1	34.2		5.35		TAS		55.2	1.15	m_e	mb 5.5
CLL	78.94		P	17:15:48.754	-0.5	34.2		5.35		TAS		48.8	0.89	m_e	mb 5.5
CLZ	79.43		P	17:15:52.276	0.4	34.2		5.35		TAS		60.5	0.99	m_e	mb 5.6
FUR	82.16		P	17:16:06.577	0.1	34.2		5.35		TAS		76.9	0.80	m_e	mb 5.9
GEC2	80.67		P	17:15:58.365	-0.2	34.2		5.35		TAS		24.2	1.13	m_e	mb 5.1
GRA1	80.91		P	17:16:00.323	0.5	34.2		5.35		TAS		118.4	1.33	m_e	mb 5.8
GRA1	80.91		L	17:57:50.880						T__		1834.4	18.80	a_e	Ms 5.5
GTTG	79.82		P	17:15:53.928	-0.0	34.2		5.35		TAS		70.8	1.39	m_e	mb 5.4
IBBN	79.92		P	17:15:54.540	0.1	34.2		5.35		TAS		90.1	1.22	m_e	mb 5.6
MOX	79.98		P	17:15:54.794	-0.1	34.2		5.35		TAS		40.3	1.21	m_e	mb 5.2
MOX	79.98		L	17:56:49.360						T__		2119.2	19.00	a_e	Ms 5.5
NRDL	78.98		P	17:15:49.390	-0.1	34.2		5.35		TAS		31.7	1.06	m_e	mb 5.3
RJOB	81.93		P	17:16:05.559	0.3	34.2		5.35		TAS		55.3	0.90	m_e	mb 5.7
ROTZ	80.49		P	17:15:57.888	0.3	34.2		5.35		TAS		46.3	1.20	m_e	mb 5.3
STU	82.42		P	17:16:07.669	-0.2	34.2		5.35		TAS		51.8	0.79	m_e	mb 5.7

TANN	79.86	P	17:15:54.076	-0.2	34.2	5.35	TAS	14.2	1.06	m_e	mb	4.8
TNS	81.46	P	17:16:02.706	-0.0	34.2	5.35	TAS	29.6	1.11	m_e	mb	5.2
WET	80.75	P	17:15:59.178	0.2	34.2	5.35	TAS	53.4	1.20	m_e	mb	5.4
WLF	82.71	P	17:16:09.357	-0.0	34.2	5.35	TAS	88.6	2.04	m_e	mb	5.6

Event 10401017 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
2011/04/01	19:59:50.36		0.83	39.2470	142.4620				33.0			19	150	78.46	83.77	m i ke	BGR
OrigID 10401023																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10401023
Ms	4.1		BGR	10401023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.39	P		20:12:07.304	0.3	36.1		5.30		TAS		183.5	2.98	m_e	mb	5.7
BFO	83.77	P		20:12:14.331		36.1		5.30		TAS		44.3	1.38	m_e	mb	5.5
BRG	79.57	P		20:11:52.189	-0.3	36.1		5.30		TAS		13.7	0.83	m_e	mb	4.9
BSEG	78.46	P		20:11:46.508	-0.0	36.1		5.30		TAS		30.8	1.03	m_e	mb	5.4
CLL	79.59	P		20:11:52.084	-0.5	36.1		5.30		TAS		25.8	0.90	m_e	mb	5.2
CLZ	80.14	P		20:11:55.735	0.2	36.1		5.30		TAS		27.2	1.02	m_e	mb	5.1
FUR	82.78	P		20:12:09.658	-0.2	36.1		5.30		TAS		36.2	0.82	m_e	mb	5.6
GEC2	81.26	P		20:12:01.271	-0.2	36.1		5.30		TAS		6.7	0.80	m_e	mb	4.7
GRA1	81.56	P		20:12:03.482	0.4	36.1		5.30		TAS		28.6	0.99	m_e	mb	5.4
GRA1	81.56	L		20:51:33.138						T__		90.8	18.10	a_e	Ms	4.2
GTTG	80.53	P		20:11:58.363	0.8	36.1		5.30		TAS		21.6	0.98	m_e	mb	5.1
IBBN	80.68	P		20:11:58.288	-0.0	36.1		5.30		TAS		29.7	0.78	m_e	mb	5.4
MOX	80.65	P		20:11:58.051	-0.2	36.1		5.30		TAS		16.4	1.24	m_e	mb	4.9
MOX	80.65	L		20:51:04.195						T__		82.5	18.00	a_e	Ms	4.1
NRDL	79.70	P		20:11:52.995	-0.2	36.1		5.30		TAS		13.7	1.02	m_e	mb	4.8
RJOB	82.51	P		20:12:08.430	0.1	36.1		5.30		TAS		30.8	0.97	m_e	mb	5.5
ROTZ	81.12	P		20:12:01.107	0.4	36.1		5.30		TAS		39.6	1.65	m_e	mb	5.2
STU	83.09	P		20:12:10.916	-0.5	36.1		5.30		TAS		20.8	0.75	m_e	mb	5.4
TANN	80.51	P		20:11:57.395	-0.1	36.1		5.30		TAS		5.0	1.00	m_e	mb	4.5
TNS	82.16	P		20:12:06.154	-0.1	36.1		5.30		TAS		11.4	0.87	m_e	mb	5.0
WET	81.36	P		20:12:02.010	0.0	36.1		5.30		TAS		11.9	1.03	m_e	mb	4.9

Event 10402001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/01	23:57:06.31		0.28	-17.3280	-173.6760				33.0			14	166	145.08	149.21	m i ke	BGR
OrigID 10402007																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	149.04		PKPbc	00:16:51.100		8.7		2.86		TAS				m_e		
BRG	145.98		PKPbc	00:16:42.254	0.2	8.7		2.86		TAS				m_e		
BUG	145.96		PKPbc	00:16:42.263	0.0	8.7		2.86		TAS				m_e		
CLL	145.68		PKPbc	00:16:41.051	-0.3	8.7		2.86		TAS				m_e		
CLZ	145.41		PKPbc	00:16:40.750	0.9	8.7		2.86		TAS				m_e		
FUR	148.98		PKPbc	00:16:50.937		8.7		2.86		TAS				m_e		
GEC2	148.00		PKPbc	00:16:48.246		8.7		2.86		TAS				m_e		
GTTG	145.74		PKPbc	00:16:42.623	-0.2	8.7		2.86		TAS				m_e		
IBBN	145.08		PKPbc	00:16:39.637	-0.5	8.7		2.86		TAS				m_e		
MOX	146.49		PKPbc	00:16:43.850	0.5	8.7		2.86		TAS				m_e		
RJOB	149.21		PKPbc	00:16:51.319		8.7		2.86		TAS				m_e		
ROTZ	147.29		PKPbc	00:16:46.628	-0.1	8.7		2.86		TAS				m_e		
STU	148.55		PKPbc	00:16:49.985		8.7		2.86		TAS				m_e		
TANN	146.63		PKPbc	00:16:44.411	0.0	8.7		2.86		TAS				m_e		

Event 10402002 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																	
2011/04/02	04:08:09.30		0.28	39.1310	142.5460				33.0			20	166	78.59	83.91	m i ke	BGR
10402008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10402008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.52		P	04:20:26.891	-0.1	36.1		5.29		TAS		19.7	1.10	m_e mb	5.3
BFO	83.91		P	04:20:33.918		36.1		5.29		TAS		75.1	1.62	m_e mb	5.7
BRG	79.70		P	04:20:11.841	-0.3	36.1		5.29		TAS		19.4	0.82	m_e mb	5.1
BSEG	78.59		P	04:20:06.126	-0.1	36.1		5.29		TAS		35.5	0.89	m_e mb	5.4
BUG	81.70		P	04:20:22.462	-0.2	36.1		5.29		TAS		21.4	0.93	m_e mb	5.3
CLL	79.72		P	04:20:11.764	-0.5	36.1		5.29		TAS		35.3	0.81	m_e mb	5.3
CLZ	80.27		P	04:20:15.366	0.3	36.1		5.29		TAS		33.7	0.89	m_e mb	5.3
FUR	82.91		P	04:20:29.139	0.1	36.1		5.29		TAS		45.5	0.87	m_e mb	5.7
GEC2	81.40		P	04:20:20.795	-0.3	36.1		5.29		TAS		12.2	0.87	m_e mb	4.9
GRA1	81.70		P	04:20:23.128	0.5	36.1		5.29		TAS		45.1	0.87	m_e mb	5.6
GTTG	80.66		P	04:20:17.985	0.8	36.1		5.29		TAS		32.2	1.09	m_e mb	5.3
IBBN	80.81		P	04:20:17.961	0.1	36.1		5.29		TAS		35.1	0.73	m_e mb	5.5
MOX	80.78		P	04:20:17.699	-0.1	36.1		5.29		TAS		17.9	0.95	m_e mb	5.1
NRDL	79.84		P	04:20:12.556	-0.2	36.1		5.29		TAS		17.1	0.90	m_e mb	5.0
RJOB	82.64		P	04:20:27.891	0.2	36.1		5.29		TAS		33.8	0.90	m_e mb	5.6
ROTZ	81.26		P	04:20:20.747	0.4	36.1		5.29		TAS		19.8	0.97	m_e mb	5.1
STU	83.22		P	04:20:30.595	-0.1	36.1		5.29		TAS		29.4	0.77	m_e mb	5.6

TANN	80.64	P	04:20:16.878	-0.2	36.1	5.29	TAS	16.8	1.22	m_e mb	4.9
TNS	82.30	P	04:20:25.748	-0.1	36.1	5.29	TAS	18.1	0.86	m_e mb	5.2
WET	81.49	P	04:20:21.700	0.1	36.1	5.29	TAS	17.5	1.04	m_e mb	5.0

Event 10402003 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/02	04:24:50.40		0.28	36.6500	76.7300				92.0				166	48.05	48.05	m i ke	NEIC
OrigID 10402057																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10402009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.05		P	04:33:20.843		78.3		7.01		TAS		7.6	1.00	m_e mb	4.8
GRA1	48.05		pP	04:33:44.806						T__				m_e	

Event 10402005 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/02	06:38:58.40		0.73	38.0000	72.8800				142.3				10	197	42.90	48.02	m i ke	NEIC
OrigID 10402059																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10402011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	42.90		P	06:46:43.336	-0.2	80.8		7.95		TAS		10.8	1.00	m_e mb	4.5
BSEG	44.79		P	06:46:58.531	-0.5	80.8		7.95		TAS		14.0	0.95	m_e mb	4.9
CLL	43.44		P	06:46:46.965	-0.9	80.8		7.95		TAS		11.3	1.16	m_e mb	4.5
GEC2	43.31		P	06:46:46.374	0.0	80.8		7.95		TAS		9.8	1.50	m_e mb	4.3
GRA1	44.78		P	06:46:58.942	0.6	80.8		7.95		TAS		18.9	1.11	m_e mb	4.9
GTTG	45.29		P	06:47:03.201		80.8		7.95		TAS		20.8	0.94	m_e mb	5.0
MOX	44.39		P	06:46:55.117	0.0	80.8		7.95		TAS		7.6	1.07	m_e mb	4.4
NRDL	45.08		P	06:47:00.817		80.8		7.95		TAS		15.5	1.08	m_e mb	4.9
RJOB	44.09		P	06:46:52.385	0.6	80.8		7.95		TAS		6.0	1.12	m_e mb	4.2
WLF	48.02		P	06:47:23.711		80.8		7.95		TAS		13.6	0.89	m_e mb	5.1

Event 10402006 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/04/02 07:55:51.100 0.73 36.2060 139.7690 33.0 17 197 80.19 85.37 m i ke BGR
 10402012

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10402012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.37		P	08:08:24.305		39.5		5.18		TAS		23.1	1.34	m_e mb	5.2
BRG	81.08		P	08:08:02.454	-0.1	39.5		5.18		TAS		9.9	0.96	m_e mb	4.8
BSEG	80.19		P	08:07:57.633	-0.1	39.5		5.18		TAS		23.9	1.18	m_e mb	5.0
CLL	81.15		P	08:08:02.482	-0.4	39.5		5.18		TAS		21.8	1.13	m_e mb	5.1
CLZ	81.79		P	08:08:06.433	0.3	39.5		5.18		TAS		15.9	1.17	m_e mb	5.0
FUR	84.27		P	08:08:19.108		39.5		5.18		TAS		15.5	0.74	m_e mb	5.3
GEC2	82.71		P	08:08:10.795	0.0	39.5		5.18		TAS		12.6	1.39	m_e mb	5.0
GRA1	83.11		P	08:08:13.333	-0.0	39.5		5.18		TAS		24.3	1.10	m_e mb	5.3
IBBN	82.43		P	08:08:09.392	0.4	39.5		5.18		TAS		15.2	1.27	m_e mb	5.0
MOX	82.22		P	08:08:08.385	0.1	39.5		5.18		TAS		10.6	1.34	m_e mb	4.8
NRDL	81.39		P	08:08:03.877	-0.1	39.5		5.18		TAS		11.7	1.53	m_e mb	4.7
RJOB	83.94		P	08:08:17.640	-0.1	39.5		5.18		TAS		10.4	1.14	m_e mb	5.0
ROTZ	82.65		P	08:08:11.081	-0.2	39.5		5.18		TAS		10.9	1.02	m_e mb	5.0
STU	84.67		P	08:08:21.005		39.5		5.18		TAS		27.8	1.35	m_e mb	5.3
TANN	82.05		P	08:08:07.484	-0.1	39.5		5.18		TAS		7.1	1.31	m_e mb	4.6
TNS	83.82		P	08:08:16.568	0.0	39.5		5.18		TAS		17.1	1.40	m_e mb	5.1
WET	82.84		P	08:08:11.716	0.3	39.5		5.18		TAS		12.4	1.27	m_e mb	5.0

Event 10402007 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
 2011/04/02 09:49:28.30 0.73 37.1200 144.1200 25.0 197 84.05 84.05 m i ke NEIC
 10402061

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10402013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.05		P	10:01:57.261		36.1		4.35		TAS		5.8	0.96	m_e mb	4.8

Event 10402008 Northern Chile
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/04/02 10:59:37.60 0.73 -19.5500 -69.0700 83.4 7 197 96.34 99.53 m i ke NEIC
 10402062

2011/04/02 15:02:56.72 0.73 39.8030 142.3480 33.0 14 197 79.04 83.25 m i ke BGR
10402016

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 10402016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.85		P	15:15:11.676		35.9		5.34		TAS		9.9	1.08	m_e mb	4.9
BFO	83.25		P	15:15:17.978		35.9		5.34		TAS		44.2	1.87	m_e mb	5.4
BRG	79.04		P	15:14:55.961	0.2	35.9		5.34		TAS		8.3	1.10	m_e mb	4.7
CLL	79.06		P	15:14:55.809	-0.2	35.9		5.34		TAS		11.7	0.83	m_e mb	5.0
CLZ	79.61		P	15:14:59.350	-0.2	35.9		5.34		TAS		7.9	0.86	m_e mb	4.7
GEC2	80.74		P	15:15:05.017	0.6	35.9		5.34		TAS		2.6	0.74	m_e mb	4.3
GRA1	81.04		P	15:15:07.052	-0.6	35.9		5.34		TAS		10.8	0.76	m_e mb	4.9
IBBN	80.14		P	15:15:01.740	0.2	35.9		5.34		TAS		12.4	0.62	m_e mb	5.0
MOX	80.12		P	15:15:01.661	0.3	35.9		5.34		TAS		6.6	0.99	m_e mb	4.5
RJOB	81.99		P	15:15:12.189		35.9		5.34		TAS		6.4	0.90	m_e mb	4.8
ROTZ	80.60		P	15:15:04.843	-0.1	35.9		5.34		TAS		5.5	0.86	m_e mb	4.6
STU	82.56		P	15:15:14.644		35.9		5.34		TAS		12.0	0.77	m_e mb	5.2
TNS	81.63		P	15:15:09.772		35.9		5.34		TAS		12.3	1.29	m_e mb	4.9
WET	80.83		P	15:15:05.882	0.3	35.9		5.34		TAS		8.9	1.29	m_e mb	4.6

Event 10402011 Alaska Peninsula, United States

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2011/04/02 18:32:47.43 0.73 56.4120 -158.5130 33.0 21 197 69.64 75.97 m i ke BGR
10402017

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10402017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	72.75		P	18:44:10.436	0.1	354.1		5.88		TAS		12.9	0.98	m_e mb	5.0
BFO	75.05		P	18:44:23.582	-0.3	354.1		5.88		TAS		9.5	1.04	m_e mb	4.8
BRG	72.90		P	18:44:11.315	0.0	354.1		5.88		TAS		20.9	1.00	m_e mb	5.2
BSEG	69.64		P	18:43:51.892	-0.3	354.1		5.88		TAS		30.8	0.94	m_e mb	5.4
BUG	71.87		P	18:44:04.882	-0.3	354.1		5.88		TAS		32.7	0.89	m_e mb	5.5
CLL	72.42		P	18:44:08.023	-0.5	354.1		5.88		TAS		21.2	0.94	m_e mb	5.3
CLZ	71.72		P	18:44:04.767	0.3	354.1		5.88		TAS		23.2	0.91	m_e mb	5.3
FUR	75.45		P	18:44:26.096	-0.2	354.1		5.88		TAS		19.5	0.81	m_e mb	5.2
GEC2	74.91		P	18:44:23.029	-0.1	354.1		5.88		TAS		13.3	0.93	m_e mb	5.0
GRA1	73.92		P	18:44:17.553	0.2	354.1		5.88		TAS		17.0	0.77	m_e mb	5.1
GTTG	71.99		P	18:44:06.997	1.0	354.1		5.88		TAS		31.8	1.01	m_e mb	5.4
IBBN	71.06		P	18:44:00.343	-0.1	354.1		5.88		TAS		26.2	0.86	m_e mb	5.4
MOX	73.00		P	18:44:11.849	-0.1	354.1		5.88		TAS		33.9	1.12	m_e mb	5.4
NRDL	71.05		P	18:44:00.101	-0.4	354.1		5.88		TAS		25.6	0.92	m_e mb	5.3

RJOB	75.97	P	18:44:29.175	-0.2	354.1	5.88	TAS	23.8	0.81	m_e	mb	5.4
ROTZ	73.91	P	18:44:17.730	0.5	354.1	5.88	TAS	16.2	0.95	m_e	mb	5.0
STU	74.69	P	18:44:21.547	-0.3	354.1	5.88	TAS	13.7	0.89	m_e	mb	5.0
TANN	73.28	P	18:44:13.691	0.1	354.1	5.88	TAS	12.5	1.24	m_e	mb	4.9
TNS	73.18	P	18:44:12.993	0.0	354.1	5.88	TAS	15.1	0.90	m_e	mb	5.1
WET	74.57	P	18:44:21.483	0.3	354.1	5.88	TAS	11.6	1.07	m_e	mb	4.8
WLF	73.53	P	18:44:15.220	0.4	354.1	5.88	TAS	23.9	1.13	m_e	mb	5.1

Event 10402012 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/02	18:50:19.70		0.73	-24.3100	-179.8200				445.1			8	197	149.45	154.56	m i ke	NEIC
OrigID 10402066																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.43		PKPbc	19:09:21.794	0.0	20.9		2.22		TAS				m_e	
BRG	151.43		PKP	19:09:32.291	0.7					T__				m_e	
BSEG	149.45		PKPbc	19:09:17.183	-0.1	20.9		2.22		TAS				m_e	
BSEG	149.45		PKP	19:09:23.843	0.0					T__				m_e	
CLL	151.29		PKPbc	19:09:21.342	-0.1	20.9		2.22		TAS				m_e	
CLL	151.29		PKP	19:09:31.411	0.0					T__				m_e	
CLZ	151.42		PKPbc	19:09:21.942	0.3	20.9		2.22		TAS				m_e	
CLZ	151.42		PKP	19:09:32.305	-0.1					T__				m_e	
GRA1	153.23		PKP	19:09:40.344						T__				m_e	
GTTG	151.79		PKP	19:09:34.579	-0.2					T__				m_e	
MOX	152.26		PKPbc	19:09:23.428		20.9		2.22		TAS				m_e	
MOX	152.26		PKP	19:09:35.628	0.1					T__				m_e	
NRDL	150.86		PKPbc	19:09:20.368	-0.0	20.9		2.22		TAS				m_e	
RJOB	154.56		PKP	19:09:46.345						T__				m_e	
TANN	152.25		PKPbc	19:09:23.543	-0.1	20.9		2.22		TAS				m_e	
TANN	152.25		PKP	19:09:35.892	0.2					T__				m_e	
TNS	153.34		PKPbc	19:09:25.820		20.9		2.22		TAS				m_e	
TNS	153.34		PKP	19:09:40.218						T__				m_e	
WET	153.28		PKP	19:09:40.645						T__				m_e	

Event 10403001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	03:09:11.77			36.8090	142.6150				33.0			19		80.69	85.97	m i ke	BGR
OrigID 10403007																	

10403057

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	10403009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	73.84		P	07:33:47.899		16.7		4.65		TAS		3.4	0.97	m_e	mb	4.3

Event 10403004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	07:38:44.01			37.8290	142.3230				33.0			21		79.68	84.96	m i ke	BGR
OrigID 10403010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10403010
Ms	4.7		BGR	10403010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.60		P	07:51:07.170	-0.2	36.9		5.21		TAS		41.5	1.58	m_e	mb	5.4
BFO	84.96		P	07:51:14.126	-0.4	36.9		5.21		TAS		73.2	1.57	m_e	mb	5.7
BRG	80.74		P	07:50:52.207	-0.3	36.9		5.21		TAS		35.7	1.50	m_e	mb	5.2
BSEG	79.68		P	07:50:46.838	-0.1	36.9		5.21		TAS		55.0	1.40	m_e	mb	5.3
BUG	82.79		P	07:51:02.944	-0.2	36.9		5.21		TAS		15.4	0.96	m_e	mb	5.2
CLL	80.77		P	07:50:52.172	-0.5	36.9		5.21		TAS		59.9	1.55	m_e	mb	5.4
CLZ	81.34		P	07:50:55.883	0.3	36.9		5.21		TAS		64.2	1.46	m_e	mb	5.4
FUR	83.94		P	07:51:09.424	0.2	36.9		5.21		TAS		32.5	0.80	m_e	mb	5.6
GEC2	82.42		P	07:51:01.009	-0.2	36.9		5.21		TAS		17.4	1.25	m_e	mb	5.0
GRA1	82.74		P	07:51:03.339	0.4	36.9		5.21		TAS		79.0	1.41	m_e	mb	5.7
GRA1	82.74		L	08:32:01.571						T__		374.9	21.30	a_e	Ms	4.7
GTTG	81.73		P	07:50:58.674	1.0	36.9		5.21		TAS		52.9	1.48	m_e	mb	5.5
IBBN	81.90		P	07:50:58.488	-0.0	36.9		5.21		TAS		25.0	0.67	m_e	mb	5.5
MOX	81.83		P	07:50:58.061	-0.1	36.9		5.21		TAS		30.8	1.45	m_e	mb	5.2
MOX	81.83		L	08:31:43.053						T__		365.2	21.20	a_e	Ms	4.7
NRDL	80.91		P	07:50:53.291	-0.1	36.9		5.21		TAS		38.7	1.60	m_e	mb	5.2
RJOB	83.66		P	07:51:07.959	0.2	36.9		5.21		TAS		30.7	1.23	m_e	mb	5.4
ROTZ	82.29		P	07:51:00.918	0.3	36.9		5.21		TAS		58.9	1.52	m_e	mb	5.5
STU	84.27		P	07:51:10.802	-0.1	36.9		5.21		TAS		57.2	1.37	m_e	mb	5.6
TANN	81.68		P	07:50:57.298	-0.1	36.9		5.21		TAS		35.6	1.77	m_e	mb	5.2
TNS	83.37		P	07:51:06.103	-0.1	36.9		5.21		TAS		37.9	1.69	m_e	mb	5.4
WET	82.52		P	07:51:01.894	0.1	36.9		5.21		TAS		41.6	1.51	m_e	mb	5.4
WLF	84.66		P	07:51:12.990	0.1	36.9		5.21		TAS		56.6	1.59	m_e	mb	5.6

./2011/bull1104.txt Thu Apr 23 08:38:25 2020 16

Event 10403005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	07:53:06.22			37.9400	142.2440				33.0			12		79.55	84.84	m i ke	BGR
OrigID 10403011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10403011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.84		P	08:05:35.757		36.9		5.22		TAS		8.0	1.07	m_e	mb 4.9
BRG	80.61		P	08:05:13.790	-0.2	36.9		5.22		TAS		53.9	2.88	m_e	mb 5.1
BSEG	79.55		P	08:05:08.506	-0.3	36.9		5.22		TAS		12.9	1.14	m_e	mb 4.8
CLL	80.64		P	08:05:13.851	-0.1	36.9		5.22		TAS		4.9	0.86	m_e	mb 4.6
CLZ	81.21		P	08:05:17.429	-0.2	36.9		5.22		TAS		5.2	0.88	m_e	mb 4.6
GEC2	82.29		P	08:05:22.583		36.9		5.22		TAS		2.1	0.68	m_e	mb 4.4
GRA1	82.61		P	08:05:24.884		36.9		5.22		TAS		8.3	0.95	m_e	mb 4.9
IBBN	81.78		P	08:05:19.913	-0.3	36.9		5.22		TAS		9.2	0.66	m_e	mb 5.0
MOX	81.70		P	08:05:19.567	0.2	36.9		5.22		TAS		2.3	0.77	m_e	mb 4.4
RJOB	83.53		P	08:05:29.508		36.9		5.22		TAS		6.4	0.89	m_e	mb 4.9
ROTZ	82.17		P	08:05:22.585		36.9		5.22		TAS		3.0	0.90	m_e	mb 4.4
TNS	83.24		P	08:05:27.700		36.9		5.22		TAS		3.3	0.66	m_e	mb 4.7

Event 10403006 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	12:43:22.81			35.7080	143.0930				33.0			7		82.92	87.12	m i ke	BGR
OrigID 10403012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10403012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	87.12		P	12:56:03.552		37.4		5.04		TAS		5.9	0.85	m_e	mb 4.7
CLL	82.92		P	12:55:42.291	-0.0	37.4		5.04		TAS		8.0	0.82	m_e	mb 5.0
GEC2	84.55		P	12:55:50.829		37.4		5.04		TAS		2.9	0.72	m_e	mb 4.6
GRA1	84.89		P	12:55:53.175		37.4		5.04		TAS		25.7	1.39	m_e	mb 5.3
IBBN	84.08		P	12:55:48.556		37.4		5.04		TAS		10.0	0.93	m_e	mb 5.0
STU	86.42		P	12:56:00.391		37.4		5.04		TAS		10.5	0.76	m_e	mb 5.0
WLF	86.83		P	12:56:02.256		37.4		5.04		TAS		23.5	1.54	m_e	mb 5.1

Event 10403007 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
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OrigID
 2011/04/03 12:57:43.18 37.7770 141.7840 47.8 0.4 15 79.53 84.80 m i ke BGR
 10403013

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 10403013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.80		P	13:10:10.336		37.3		5.24		TAS		15.1	1.07	m_e mb	5.1
BFO	84.80		pP	13:10:24.285	-0.4					T__				m_e	
BRG	80.56		P	13:09:48.366	-0.2	37.3		5.24		TAS		6.3	1.02	m_e mb	4.6
BRG	80.56		pP	13:10:02.191	-0.4					T__				m_e	
BSEG	79.53		P	13:09:43.150	0.1	37.3		5.24		TAS		13.3	1.17	m_e mb	4.8
CLL	80.60		P	13:09:48.351	-0.4	37.3		5.24		TAS		13.9	1.02	m_e mb	4.9
CLL	80.60		pP	13:10:02.183	-0.4					T__				m_e	
CLZ	81.19		P	13:09:52.053	0.2	37.3		5.24		TAS		12.3	1.17	m_e mb	4.8
GEC2	82.24		P	13:09:57.128	0.2	37.3		5.24		TAS		6.4	1.17	m_e mb	4.6
GRA1	82.58		P	13:09:59.613	0.1	37.3		5.24		TAS		14.4	0.97	m_e mb	5.2
GRA1	82.58		pP	13:10:13.346						T__				m_e	
IBBN	81.76		P	13:09:54.703	0.4	37.3		5.24		TAS		19.4	1.29	m_e mb	5.1
MOX	81.66		P	13:09:54.217	-0.1	37.3		5.24		TAS		7.9	1.34	m_e mb	4.7
NRDL	80.76		P	13:09:49.473	-0.1	37.3		5.24		TAS		6.9	1.15	m_e mb	4.6
RJOB	83.48		P	13:10:03.971		37.3		5.24		TAS		9.8	1.13	m_e mb	4.9
ROTZ	82.12		P	13:09:57.151	-0.2	37.3		5.24		TAS		12.5	1.50	m_e mb	4.8
STU	84.11		P	13:10:06.951		37.3		5.24		TAS		14.3	0.99	m_e mb	5.2
WET	82.34		P	13:09:58.081	0.5	37.3		5.24		TAS		9.0	1.27	m_e mb	4.8
WLF	84.51		P	13:10:09.367		37.3		5.24		TAS		20.5	1.58	m_e mb	5.1

Event 10403008 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
 2011/04/03 13:18:13.65 37.7740 142.5070 35.5 9 79.79 85.08 m i ke BGR
 10403014

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 10403014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.72		P	13:30:37.013	-0.2	36.8		5.20		TAS		24.2	1.33	m_e mb	5.3
AHRW	83.72		pP	13:30:47.469		36.9		5.10		TAS				m_e	
BFO	85.08		P	13:30:43.940	-0.4	36.8		5.20		TAS		29.5	1.26	m_e mb	5.4
BFO	85.08		pP	13:30:54.203		36.9		5.10		TAS				m_e	
BRG	80.86		P	13:30:22.110	-0.3	36.8		5.20		TAS		16.2	1.33	m_e mb	4.9
BRG	80.86		pP	13:30:32.626	-0.4	36.9		5.10		TAS				m_e	
BSEG	79.79		P	13:30:16.596	-0.2	36.8		5.20		TAS		21.4	1.18	m_e mb	5.0
BSEG	79.79		pP	13:30:27.222	-0.3	36.9		5.10		TAS				m_e	

BUG	82.90	P	13:30:32.835	-0.1	36.8	5.20	TAS	10.6	1.01	m_e	mb	5.0
CLL	80.89	P	13:30:22.238	-0.3	36.8	5.20	TAS	22.8	1.20	m_e	mb	5.1
CLZ	81.46	P	13:30:25.589	0.1	36.8	5.20	TAS	23.3	1.08	m_e	mb	5.1
FUR	84.06	P	13:30:39.097	0.0	36.8	5.20	TAS	42.5	1.25	m_e	mb	5.5
FUR	84.06	pP	13:30:49.463		36.9	5.10	TAS			m_e		
GEC2	82.54	P	13:30:30.913	-0.2	36.8	5.20	TAS	14.4	1.26	m_e	mb	5.1
GRA1	82.86	P	13:30:33.252	0.4	36.8	5.20	TAS	43.0	1.28	m_e	mb	5.5
GRA1	82.86	pP	13:30:43.529		36.9	5.10	TAS			m_e		
GTTG	81.85	P	13:30:28.321	0.8	36.8	5.20	TAS	18.9	1.29	m_e	mb	5.1
GTTG	81.85	pP	13:30:38.718	0.1	36.9	5.10	TAS			m_e		
IBBN	82.02	P	13:30:28.424	0.1	36.8	5.20	TAS	38.5	1.37	m_e	mb	5.3
MOX	81.95	P	13:30:28.012	-0.1	36.8	5.20	TAS	17.8	1.45	m_e	mb	5.0
NRDL	81.03	P	13:30:23.241	-0.0	36.8	5.20	TAS	13.0	1.24	m_e	mb	4.8
RJOB	83.78	P	13:30:37.743	0.1	36.8	5.20	TAS	19.9	1.21	m_e	mb	5.2
RJOB	83.78	pP	13:30:47.940		36.9	5.10	TAS			m_e		
ROTZ	82.41	P	13:30:30.835	0.3	36.8	5.20	TAS	24.9	1.37	m_e	mb	5.2
STU	84.39	P	13:30:40.738	-0.0	36.8	5.20	TAS	46.1	1.45	m_e	mb	5.5
STU	84.39	pP	13:30:50.930		36.9	5.10	TAS			m_e		
TANN	81.80	P	13:30:27.235	-0.1	36.8	5.20	TAS	8.1	1.31	m_e	mb	4.7
TNS	83.48	P	13:30:35.956	-0.1	36.8	5.20	TAS	13.1	1.33	m_e	mb	5.0
WET	82.64	P	13:30:31.719	0.1	36.8	5.20	TAS	16.7	1.34	m_e	mb	5.1
WLF	84.78	P	13:30:42.823	0.1	36.8	5.20	TAS	27.0	1.52	m_e	mb	5.2

Event 10403009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	14:07:07.36			-16.9530	-178.0640			511.2	13.4			12		142.52	148.27	m i k e	BGR
	10403015																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.24		PKPdf	14:25:47.603	0.4	18.7		1.52		TAS				m_e	
AHRW	146.24		SKKPab	14:36:26.074	0.2	192.6		4.43		TAS				m_e	
BFO	148.27		PKPdf	14:25:50.636		18.7		1.52		TAS				m_e	
BFO	148.27		PKPbc	14:25:55.872		16.2		2.85		TAS				m_e	
BFO	148.27		pPKPbc	14:28:03.308						T__				m_e	
BRG	144.82		PKPdf	14:25:45.234	-0.0	18.7		1.52		TAS				m_e	
BRG	144.82		PKPbc	14:25:46.539	0.1	16.2		2.85		TAS				m_e	
BRG	144.82		sPKPbc	14:28:35.272	-1.1					T__				m_e	
BRG	144.82		SKKPab	14:36:31.710		192.6		4.43		TAS				m_e	
BSEG	142.52		PKPbc	14:25:38.782	-1.1	16.2		2.85		TAS				m_e	
BSEG	142.52		sPKPbc	14:28:30.260	1.5					T__				m_e	
BUG	145.33		PKPdf	14:25:45.836	0.1	18.7		1.52		TAS				m_e	
BUG	145.33		sPKPbc	14:28:36.336	-0.7					T__				m_e	
BUG	145.33		SKKPab	14:36:29.862		192.6		4.43		TAS				m_e	

CLL	144.61	PKPbc	14:25:45.830	0.1	16.2	2.85	TAS	m_e
CLL	144.61	sPKPbc	14:28:34.854	-0.6			T__	m_e
CLL	144.61	SKKPab	14:36:32.338		192.6	4.43	TAS	m_e
CLZ	144.55	PKPbc	14:25:46.076	0.4	16.2	2.85	TAS	m_e
CLZ	144.55	sPKPbc	14:28:34.653	-0.2			T__	m_e
CLZ	144.55	SKKPab	14:36:33.677		192.6	4.43	TAS	m_e
FUR	147.95	PKPdf	14:25:50.142		18.7	1.52	TAS	m_e
FUR	147.95	PKPbc	14:25:55.048		16.2	2.85	TAS	m_e
FUR	147.95	pPKPbc	14:28:05.953				T__	m_e
GEC2	146.78	PKPdf	14:25:48.236	-0.1	18.7	1.52	TAS	m_e
GEC2	146.78	PKPbc	14:25:51.994	-0.6	16.2	2.85	TAS	m_e
GEC2	146.78	SKKPab	14:36:22.910	0.1	192.6	4.43	TAS	m_e
GRA1	146.49	PKPdf	14:25:48.031	0.2	18.7	1.52	TAS	m_e
GRA1	146.49	PKP	14:25:51.503				T__	m_e
GRA1	146.49	pPKPbc	14:27:59.655				T__	m_e
GTTG	144.90	PKPdf	14:25:46.268	-0.3	18.7	1.52	TAS	m_e
GTTG	144.90	PKPbc	14:25:47.671	1.0	16.2	2.85	TAS	m_e
GTTG	144.90	sPKPbc	14:28:35.001	-0.9			T__	m_e
IBBN	144.43	PKPbc	14:25:45.495	-0.0	16.2	2.85	TAS	m_e
IBBN	144.43	sPKPbc	14:28:34.522	0.2			T__	m_e
IBBN	144.43	SKKPab	14:36:34.183		192.6	4.43	TAS	m_e
MOX	145.50	PKPdf	14:25:46.210	-0.1	18.7	1.52	TAS	m_e
MOX	145.50	PKPbc	14:25:48.396	0.3	16.2	2.85	TAS	m_e
MOX	145.50	sPKPbc	14:28:36.897	-1.1			T__	m_e
MOX	145.50	SKKPab	14:36:28.784		192.6	4.43	TAS	m_e
NRDL	143.96	PKPbc	14:25:43.702	-0.3	16.2	2.85	TAS	m_e
NRDL	143.96	sPKPbc	14:28:33.239	0.2			T__	m_e
NRDL	143.96	SKKPab	14:36:35.658		192.6	4.43	TAS	m_e
RJOB	148.03	PKPdf	14:25:49.946		18.7	1.52	TAS	m_e
RJOB	148.03	PKPbc	14:25:55.053		16.2	2.85	TAS	m_e
ROTZ	146.23	PKPdf	14:25:47.458	-0.1	18.7	1.52	TAS	m_e
ROTZ	146.23	PKPbc	14:25:50.898	0.1	16.2	2.85	TAS	m_e
ROTZ	146.23	sPKPbc	14:28:44.102	3.8			T__	m_e
ROTZ	146.23	SKKPab	14:36:25.334	-0.3	192.6	4.43	TAS	m_e
STU	147.72	PKPdf	14:25:50.097		18.7	1.52	TAS	m_e
STU	147.72	PKPbc	14:25:54.541	-0.4	16.2	2.85	TAS	m_e
TANN	145.56	PKPdf	14:25:46.570	0.1	18.7	1.52	TAS	m_e
TANN	145.56	PKPbc	14:25:48.759	0.5	16.2	2.85	TAS	m_e
TANN	145.56	sPKPbc	14:28:37.263	-1.0			T__	m_e
TNS	146.40	PKPdf	14:25:47.900	-0.2	18.7	1.52	TAS	m_e
TNS	146.40	PKPbc	14:25:51.138	0.2	16.2	2.85	TAS	m_e
WET	146.68	PKPdf	14:25:48.212	0.1	18.7	1.52	TAS	m_e
WET	146.68	PKPbc	14:25:51.861	-0.1	16.2	2.85	TAS	m_e
WET	146.68	SKKPab	14:36:22.909	-0.1	192.6	4.43	TAS	m_e
WLF	147.19	PKPdf	14:25:49.811		18.7	1.52	TAS	m_e
WLF	147.19	PKPbc	14:25:53.778	-0.2	16.2	2.85	TAS	m_e
WLF	147.19	pPKPbc	14:28:00.662				T__	m_e
WLF	147.19	SKKPab	14:36:21.596	-0.1	192.6	4.43	TAS	m_e

Event 10403010 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
2011/04/03	14:53:26.44			38.0380	142.4630				33.0			18		79.54	84.83	m i ke	BGR
OrigID 10403016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10403016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.83		P	15:05:55.907		36.7		5.22		TAS		22.0	1.03	m_e mb	5.3
BRG	80.61		P	15:05:34.012	-0.3	36.7		5.22		TAS		11.1	0.92	m_e mb	4.9
BSEG	79.54		P	15:05:28.571	-0.0	36.7		5.22		TAS		15.1	0.76	m_e mb	5.0
CLL	80.64		P	15:05:33.975	-0.4	36.7		5.22		TAS		21.8	0.98	m_e mb	5.1
CLZ	81.21		P	15:05:37.508	0.1	36.7		5.22		TAS		14.1	0.83	m_e mb	5.0
FUR	83.82		P	15:05:51.186	-0.4	36.7		5.22		TAS		32.8	1.05	m_e mb	5.5
GEC2	82.30		P	15:05:42.891	-0.2	36.7		5.22		TAS		11.7	1.24	m_e mb	4.9
GRA1	82.61		P	15:05:45.107	0.4	36.7		5.22		TAS		18.6	0.82	m_e mb	5.4
GTTG	81.60		P	15:05:40.204	0.8	36.7		5.22		TAS		15.4	1.06	m_e mb	5.1
IBBN	81.76		P	15:05:40.159	-0.0	36.7		5.22		TAS		19.4	0.53	m_e mb	5.5
MOX	81.70		P	15:05:39.766	-0.2	36.7		5.22		TAS		7.6	0.70	m_e mb	4.9
NRDL	80.78		P	15:05:34.906	-0.2	36.7		5.22		TAS		7.2	0.99	m_e mb	4.7
RJOB	83.54		P	15:05:49.735	-0.1	36.7		5.22		TAS		17.9	0.92	m_e mb	5.3
ROTZ	82.17		P	15:05:42.768	0.4	36.7		5.22		TAS		7.4	0.77	m_e mb	4.9
STU	84.14		P	15:05:52.501		36.7		5.22		TAS		25.1	1.24	m_e mb	5.3
TANN	81.55		P	15:05:39.102	-0.1	36.7		5.22		TAS		5.1	0.95	m_e mb	4.6
TNS	83.23		P	15:05:47.811	0.1	36.7		5.22		TAS		7.1	0.83	m_e mb	4.9
WET	82.39		P	15:05:43.743	0.1	36.7		5.22		TAS		9.7	1.19	m_e mb	4.8

Event 10403011 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	19:07:36.30			37.4000	144.7100				38.8					84.03	84.03	m i ke	NEIC
OrigID 10403065																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10403017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.03		P	19:20:04.182		35.5		4.33		TAS		13.2	1.49	m_e mb	4.9

Event 10403012 South of Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	20:06:42.20			-9.7800	107.7400				24.0				9	99.90	104.89	m i ke	NEIC
OrigID 10403066																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.2		BGR	10403018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	99.90		Pdiff	20:20:23.308	-1.5	111.3		3.68		TAS					m_e
CLL	100.51		Pdiff	20:20:28.229	0.7	111.3		3.68		TAS					m_e
GEC2	99.94		Pdiff	20:20:26.150	0.7	111.3		3.68		TAS					m_e
GRA1	101.59		Pdiff	20:20:32.762	-0.3	111.3		3.68		TAS					m_e
GRA1	101.59		PP	20:24:43.654		102.1		7.39		TAS					m_e
GRA1	101.59		P'P'df	20:45:10.664		252.8		1.80		TAS					m_e
GRA1	101.59		L	21:15:13.425						T__		8605.5	19.50	a_e Ms	6.3
MOX	101.37		Pdiff	20:20:32.225	0.2	111.3		3.68		TAS					m_e
MOX	101.37		L	21:16:22.408						T__		6064.3	20.20	a_e Ms	6.1
RJOB	100.48		Pdiff	20:20:27.794	-0.5	111.3		3.68		TAS					m_e
TNS	103.39		Pdiff	20:20:41.546		111.3		3.68		TAS					m_e
WET	100.49		Pdiff	20:20:28.575	0.6	111.3		3.68		TAS					m_e
WLF	104.89		Pdiff	20:20:48.199		111.3		3.68		TAS					m_e

Event 10403013 Near west coast of Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	23:03:30.43			3.3550	-77.7650				33.0				14	83.52	88.50	m i ke	BGR
OrigID 10403019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10403019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.14		P	23:15:58.884	0.2	271.4		4.86		TAS		26.9	0.99	m_e mb	5.4
BFO	84.91		P	23:16:01.842	-0.6	271.4		4.86		TAS		8.2	1.21	m_e mb	4.8
BRG	88.50		P	23:16:19.453		271.4		4.86		TAS		3.2	1.00	m_e mb	4.5
BSEG	86.18		P	23:16:08.254	-0.3	271.4		4.86		TAS		25.1	1.43	m_e mb	5.1
BUG	84.29		P	23:15:59.307	-0.1	271.4		4.86		TAS		23.5	1.24	m_e mb	5.3
CLZ	86.23		P	23:16:08.962	0.2	271.4		4.86		TAS		16.1	1.22	m_e mb	5.0
GRA1	86.81		P	23:16:11.736	0.1	271.4		4.86		TAS		10.1	1.50	m_e mb	4.7
GTTG	85.98		P	23:16:08.388	0.8	271.4		4.86		TAS		16.8	1.32	m_e mb	5.0
IBBN	84.62		P	23:16:00.635	-0.3	271.4		4.86		TAS		26.2	0.99	m_e mb	5.4
NRDL	86.06		P	23:16:07.912	-0.1	271.4		4.86		TAS		13.0	1.29	m_e mb	4.9
STU	85.49		P	23:16:05.172	-0.0	271.4		4.86		TAS		28.0	1.38	m_e mb	5.3

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TNS	85.01	P	23:16:03.061	0.2	271.4		4.86	TAS	21.9	1.32	m_e	mb	5.2
WET	87.91	P	23:16:17.171		271.4		4.86	TAS	12.9	1.65	m_e	mb	5.0
WLF	83.52	P	23:15:55.682	0.1	271.4		4.86	TAS	29.0	1.31	m_e	mb	5.3

Event 10403014 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	23:42:19.00			36.4100	29.1300				1.0					18.58	18.58	m i ke	THE

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10403020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	18.58		P	23:46:34.150		128.9		11.39		TAS		43.1	1.75	m_e	mb	4.4

Event 10403015 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/03	23:53:40.5			35.6700	21.8700				33.0				8	13.82	19.98	m i ke	GSRC

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
BSEG	19.98		Pn	23:58:12.921						T__				m_e	
BUG	18.93		Pn	23:58:05.448						T__				m_e	
CLZ	18.14		Pn	23:57:53.750						T__				m_e	
GRA1	16.03		Pn	23:57:24.857	1.2					T__				m_e	
MOX	16.71		Pn	23:57:35.884						T__				m_e	
RJOB	13.82		Pn	23:56:56.673	-0.5					T__				m_e	
RJOB	13.82		Sn	23:59:21.216						T__				m_e	
TNS	17.52		Pn	23:57:45.819						T__				m_e	
WLF	18.09		Pn	23:57:54.720						T__				m_e	

Event 10404001 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
2011/04/03	23:54:38.54			40.5000	142.5730				33.0					80.52	80.52	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10404007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	80.52		P	00:06:46.065		38.0		4.59		TAS		5.9	0.95	m_e	mb	4.6

Event 10404002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/04	06:02:13.19			36.6060	143.7470				33.0				7	81.27	86.58	m i ke	BGR
OrigID 10404008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10404008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	86.58		P	06:14:51.540		36.5		5.08		TAS		7.2	1.11	m_e	mb	4.7
BRG	82.36		P	06:14:30.290	-0.1	36.5		5.08		TAS		7.0	0.79	m_e	mb	4.8
BSEG	81.27		P	06:14:24.712	-0.1	36.5		5.08		TAS		6.3	0.61	m_e	mb	4.8
CLL	82.39		P	06:14:30.234	-0.3	36.5		5.08		TAS		11.2	0.81	m_e	mb	5.0
CLZ	82.95		P	06:14:33.558	0.0	36.5		5.08		TAS		8.4	0.97	m_e	mb	4.9
GEC2	84.05		P	06:14:38.976		36.5		5.08		TAS		2.5	0.74	m_e	mb	4.5
GRA1	84.36		P	06:14:40.860		36.5		5.08		TAS		5.7	0.78	m_e	mb	4.9

Event 10404004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/04	08:38:24.20		0.65	37.8000	142.5800				31.8				151	82.87	82.87	m i ke	NEIC
OrigID 10404058																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10404010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	82.87		P	08:50:46.736		36.8		4.55		TAS		63.4	1.50	m_e	mb	5.6

Event 10404005 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																	

2011/04/04 08:42:35.40 0.65 38.4060 142.6330 33.0 12 151 79.27 84.57 m i ke BGR
10404011

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 10404011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.20		P	08:54:56.569		36.4		5.24		TAS		21.1	1.58	m_e mb	5.1
BFO	84.57		P	08:55:03.345		36.4		5.24		TAS		13.0	1.00	m_e mb	5.1
BRG	80.36		P	08:54:41.548	-0.2	36.4		5.24		TAS		7.1	0.97	m_e mb	4.6
BSEG	79.27		P	08:54:36.048	0.1	36.4		5.24		TAS		14.3	1.13	m_e mb	4.9
CLL	80.38		P	08:54:41.413	-0.4	36.4		5.24		TAS		16.2	1.18	m_e mb	4.8
CLZ	80.94		P	08:54:44.989	0.2	36.4		5.24		TAS		14.2	1.06	m_e mb	4.9
GEC2	82.05		P	08:54:50.336	0.0	36.4		5.24		TAS		3.5	0.90	m_e mb	4.5
GRA1	82.36		P	08:54:52.730		36.4		5.24		TAS		22.4	1.51	m_e mb	5.1
MOX	81.44		P	08:54:47.395	0.5	36.4		5.24		TAS		9.2	1.31	m_e mb	4.6
NRDL	80.51		P	08:54:42.315	-0.1	36.4		5.24		TAS		13.3	1.09	m_e mb	4.9
RJOB	83.30		P	08:54:57.361		36.4		5.24		TAS		12.6	0.96	m_e mb	5.1
WET	82.15		P	08:54:51.274	0.3	36.4		5.24		TAS		5.4	0.96	m_e mb	4.7

Event 10404006 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
2011/04/04 09:39:10.60 0.65 37.0300 142.0700 18.5 151 83.34 83.34 m i ke NEIC
10404060

Magnitude Err Nsta Author OrigID
mb 5.4 BGR 10404012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.34		P	09:51:32.048		37.6		4.74		TAS		25.3	0.97	m_e mb	5.4

Event 10404007 Nepal-India border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2011/04/04 11:31:40.48 0.65 28.2740 80.3970 33.0 31 151 54.00 59.08 m i ke BGR
10404013

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 10404013
Ms 4.9 BGR 10404013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	58.38	P	11:41:31.065	-0.5	85.3	7.18	TAS	91.3	1.30	m_e	mb	5.6
ASSE	55.98	P	11:41:13.174	-0.9	85.3	7.18	TAS	163.6	1.99	m_e	mb	5.7
BFO	57.85	P	11:41:27.214	-0.5	85.3	7.18	TAS	34.6	1.31	m_e	mb	5.2
BRG	54.00	P	11:40:59.974	-0.1	85.3	7.18	TAS	91.8	1.05	m_e	mb	5.7
BSEG	56.10	P	11:41:14.699	0.2	85.3	7.18	TAS	113.2	1.11	m_e	mb	5.8
BUG	58.15	P	11:41:29.396	-0.4	85.3	7.18	TAS	119.3	1.10	m_e	mb	5.8
CLL	54.58	P	11:41:03.528	-0.7	85.3	7.18	TAS	89.9	1.54	m_e	mb	5.6
CLZ	56.19	P	11:41:15.536	-0.1	85.3	7.18	TAS	167.3	1.20	m_e	mb	5.9
FBE	54.37	P	11:41:02.921	0.2	85.3	7.18	TAS	143.6	1.13	m_e	mb	5.9
FLT1	55.62	P	11:41:10.578	-0.9	85.3	7.18	TAS	139.2	1.26	m_e	mb	5.8
FUR	55.91	P	11:41:14.491	0.7	85.3	7.18	TAS	472.4	2.01	m_e	mb	6.2
GEC2	54.25	P	11:41:02.109	0.2	85.3	7.18	TAS	75.0	1.54	m_e	mb	5.5
GRA1	55.81	P	11:41:13.873	0.7	85.3	7.18	TAS	231.2	1.44	m_e	mb	6.0
GRA1	55.81	PP	11:43:20.536		85.7	8.95	TAS			m_e		
GRA1	55.81	L	12:07:44.834				T__	816.6	20.80	a_e	Ms	4.8
GTTG	56.46	P	11:41:18.079	0.4	85.3	7.18	TAS	125.0	1.26	m_e	mb	5.8
HLG	57.52	P	11:41:26.407	1.9	85.3	7.18	TAS	136.3	1.19	m_e	mb	5.9
IBBN	57.76	P	11:41:26.473	-0.3	85.3	7.18	TAS	165.9	1.28	m_e	mb	5.9
MANZ	55.21	P	11:41:09.356	0.5	85.3	7.18	TAS	171.7	1.46	m_e	mb	5.9
MOX	55.49	P	11:41:10.787	0.0	85.3	7.18	TAS	79.1	1.19	m_e	mb	5.6
MOX	55.49	L	12:07:06.373				T__	1527.6	19.30	a_e	Ms	5.1
NEUB	55.35	P	11:41:09.487	-0.3	85.3	7.18	TAS	109.6	1.10	m_e	mb	5.8
NRDL	56.31	P	11:41:16.495	0.1	85.3	7.18	TAS	195.6	1.22	m_e	mb	6.0
PLN	55.15	P	11:41:08.331	-0.1	85.3	7.18	TAS	90.3	1.42	m_e	mb	5.6
RGN	54.33	P	11:41:01.727	0.2	85.3	7.18	TAS	143.9	0.99	m_e	mb	6.0
RJOB	54.93	P	11:41:06.987	0.3	85.3	7.18	TAS	62.8	1.35	m_e	mb	5.5
RUE	54.06	P	11:40:59.553	-0.7	85.3	7.18	TAS	111.5	1.12	m_e	mb	5.8
STU	57.22	P	11:41:23.434	0.1	85.3	7.18	TAS	168.9	1.55	m_e	mb	5.8
TANN	54.96	P	11:41:07.037	0.0	85.3	7.18	TAS	89.7	1.44	m_e	mb	5.6
TNS	57.54	P	11:41:25.379	-0.2	85.3	7.18	TAS	73.5	1.24	m_e	mb	5.6
WERD	55.06	P	11:41:07.745	0.0	85.3	7.18	TAS	67.8	1.11	m_e	mb	5.6
WERN	55.02	P	11:41:07.665	0.2	85.3	7.18	TAS	91.4	1.55	m_e	mb	5.6
WET	54.77	P	11:41:05.708	0.0	85.3	7.18	TAS	124.3	1.70	m_e	mb	5.7
WLF	59.08	P	11:41:36.577	-0.1	85.3	7.18	TAS	130.3	1.34	m_e	mb	5.8

Event 10404008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/04	13:11:32.30		0.65	39.4210	143.2150				33.0			9	151	78.56	83.90	m i ke	BGR
	10404014																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10404014
Ms	4.4		BGR	10404014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	83.90	P	13:23:57.008		35.5		5.29	TAS	19.6	1.43	m_e	mb	5.1
BSEG	78.56	P	13:23:28.980	-0.1	35.5		5.29	TAS	9.0	0.83	m_e	mb	4.8
CLL	79.72	P	13:23:34.770	-0.5	35.5		5.29	TAS	15.1	0.99	m_e	mb	4.9
CLZ	80.26	P	13:23:38.280	0.2	35.5		5.29	TAS	16.4	1.13	m_e	mb	4.9
GRA1	81.70	P	13:23:46.122		35.5		5.29	TAS	14.3	0.90	m_e	mb	5.1
GRA1	81.70	L	14:01:15.753					T__	164.9	21.70	a_e	Ms	4.4
IBBN	80.78	P	13:23:40.919	0.4	35.5		5.29	TAS	17.5	1.07	m_e	mb	5.0
MOX	80.78	P	13:23:40.877	-0.4	35.5		5.29	TAS	6.3	0.92	m_e	mb	4.6
MOX	80.78	L	14:02:18.102					T__	218.2	18.40	a_e	Ms	4.5
NRDL	79.82	P	13:23:35.572	0.2	35.5		5.29	TAS	9.4	1.04	m_e	mb	4.7
WET	81.50	P	13:23:44.869		35.5		5.29	TAS	11.8	1.33	m_e	mb	4.8

Event 10404009 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/04	16:55:35.70		0.65	-19.6400	-172.8900				57.7			4	151	149.84	149.84	m i ke	NEIC
OrigID 10404063																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.84		PKP	17:15:26.813		7.7		3.41		TAS				m_e	

Event 10404010 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/04	18:20:45.17		0.65	59.2010	-153.9380				33.0			18	151	66.51	72.87	m i ke	BGR
OrigID 10404016																	

Magnitude Err Nsta Author OrigID

mb	5.1		BGR	10404016
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	71.85	P		18:32:02.518	-0.1	352.0		6.11		TAS		14.4	0.84	m_e	mb 5.1
BRG	69.84	P		18:31:50.344	0.0	352.0		6.11		TAS		9.7	1.02	m_e	mb 4.9
BSEG	66.51	P		18:31:29.791	-0.3	352.0		6.11		TAS		10.2	0.93	m_e	mb 5.0
BUG	68.66	P		18:31:42.918	-0.3	352.0		6.11		TAS		31.6	0.87	m_e	mb 5.6
CLL	69.34	P		18:31:46.997	-0.4	352.0		6.11		TAS		5.8	0.92	m_e	mb 4.8
CLZ	68.59	P		18:31:43.170	0.3	352.0		6.11		TAS		22.8	0.80	m_e	mb 5.5
FUR	72.31	P		18:32:05.530		352.0		6.11		TAS		27.9	0.81	m_e	mb 5.4
GEC2	71.84	P		18:32:02.706	-0.2	352.0		6.11		TAS		6.6	0.88	m_e	mb 4.8
GRA1	70.79	P		18:31:56.597	-0.1	352.0		6.11		TAS		13.8	0.82	m_e	mb 5.1
GTTG	68.84	P		18:31:45.445	1.1	352.0		6.11		TAS		30.8	0.95	m_e	mb 5.5

IBBN	67.86	P	18:31:38.300	-0.1	352.0	6.11	TAS	11.6	0.72	m_e	mb	5.2
MOX	69.88	P	18:31:50.797	0.1	352.0	6.11	TAS	18.1	0.86	m_e	mb	5.2
NRDL	67.91	P	18:31:38.557	-0.2	352.0	6.11	TAS	26.1	1.30	m_e	mb	5.3
RJOB	72.87	P	18:32:08.865		352.0	6.11	TAS	15.3	0.77	m_e	mb	5.2
STU	71.51	P	18:32:00.562	-0.0	352.0	6.11	TAS	8.8	0.72	m_e	mb	5.0
TANN	70.18	P	18:31:52.674	0.2	352.0	6.11	TAS	7.2	1.09	m_e	mb	4.7
TNS	69.99	P	18:31:51.492	0.1	352.0	6.11	TAS	14.7	0.74	m_e	mb	5.2
WET	71.48	P	18:32:00.747	-0.2	352.0	6.11	TAS	12.9	1.40	m_e	mb	4.9

Event 10405001 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/05	01:29:19.29			40.9450	140.8840				33.0			11		76.40	80.70	m i ke	BGR
OrigID 10405007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10405007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	77.49		P	01:41:09.932	-0.1	36.3		5.46		TAS		4.4	0.90	m_e	mb	4.6
BSEG	76.40		P	01:41:04.142	0.2	36.3		5.46		TAS		9.0	0.92	m_e	mb	4.9
CLL	77.51		P	01:41:09.857	-0.3	36.3		5.46		TAS		7.9	0.94	m_e	mb	4.8
CLZ	78.07		P	01:41:13.532	-0.2	36.3		5.46		TAS		11.9	1.01	m_e	mb	5.0
FUR	80.70		P	01:41:27.425		36.3		5.46		TAS		14.8	0.93	m_e	mb	5.0
GEC2	79.18		P	01:41:18.958	0.4	36.3		5.46		TAS		14.0	1.70	m_e	mb	4.7
GRA1	79.49		P	01:41:21.254		36.3		5.46		TAS		16.9	0.99	m_e	mb	5.0
MOX	78.57		P	01:41:15.769	0.3	36.3		5.46		TAS		5.9	1.19	m_e	mb	4.5
RJOB	80.43		P	01:41:26.478		36.3		5.46		TAS		14.7	1.33	m_e	mb	4.7
TNS	80.10		P	01:41:23.858		36.3		5.46		TAS		9.8	1.28	m_e	mb	4.6
WET	79.28		P	01:41:20.101	-0.2	36.3		5.46		TAS		6.5	1.14	m_e	mb	4.6

Event 10405002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/05	04:10:05.05			-19.4090	-178.4040				563.9			20		144.89	150.64	m i ke	BGR
OrigID 10405008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.63		PKPdf	04:28:46.321		24.6		1.37		TAS				m_e	
AHRW	148.63		PKPbc	04:28:47.835	-0.4	17.7		2.86		TAS				m_e	
BFO	150.64		PKPdf	04:28:49.326		24.6		1.37		TAS				m_e	

BFO	150.64	PKPbc	04:28:53.162	-0.6	17.7	2.86	TAS	m_e
BRG	147.12	PKPbc	04:28:43.760	0.1	17.7	2.86	TAS	m_e
BSEG	144.89	PKPbc	04:28:36.099	-1.3	17.7	2.86	TAS	m_e
BUG	147.72	PKPbc	04:28:46.456	0.8	17.7	2.86	TAS	m_e
CLL	146.92	PKPbc	04:28:43.086	0.0	17.7	2.86	TAS	m_e
CLZ	146.91	PKPbc	04:28:43.352	0.3	17.7	2.86	TAS	m_e
FUR	150.26	PKPbc	04:28:52.408	-0.2	17.7	2.86	TAS	m_e
GEC2	149.05	PKPdf	04:28:46.803		24.6	1.37	TAS	m_e
GEC2	149.05	PKPbc	04:28:49.280	0.0	17.7	2.86	TAS	m_e
GRA1	148.82	PKPbc	04:28:48.818	0.3	17.7	2.86	TAS	m_e
GRA1	148.82	PKPab	04:28:52.273		15.7	4.14	TAS	m_e
GRA1	148.82	pPKPbc	04:30:58.478		26.4	2.55	TAS	m_e
GTTG	147.26	PKPbc	04:28:45.004	0.9	17.7	2.86	TAS	m_e
IBBN	146.82	PKPbc	04:28:42.994	-0.1	17.7	2.86	TAS	m_e
MOX	147.83	PKPdf	04:28:44.989	-0.8	24.6	1.37	TAS	m_e
MOX	147.83	PKPbc	04:28:45.813	0.2	17.7	2.86	TAS	m_e
NRDL	146.32	PKPbc	04:28:41.157	-0.2	17.7	2.86	TAS	m_e
RJOB	150.31	PKPdf	04:28:47.368		24.6	1.37	TAS	m_e
RJOB	150.31	PKPbc	04:28:52.325	-0.5	17.7	2.86	TAS	m_e
RJOB	150.31	PKPab	04:28:58.760		15.7	4.14	TAS	m_e
STU	150.07	PKPdf	04:28:48.681		24.6	1.37	TAS	m_e
STU	150.07	PKPbc	04:28:51.941	-0.1	17.7	2.86	TAS	m_e
TANN	147.88	PKPdf	04:28:45.048	0.2	24.6	1.37	TAS	m_e
TANN	147.88	PKPbc	04:28:46.160	0.4	17.7	2.86	TAS	m_e
TNS	148.77	PKPdf	04:28:46.493		24.6	1.37	TAS	m_e
TNS	148.77	PKPbc	04:28:48.649	0.2	17.7	2.86	TAS	m_e
WET	148.98	PKPdf	04:28:46.869		24.6	1.37	TAS	m_e
WET	148.98	PKPbc	04:28:49.108	0.1	17.7	2.86	TAS	m_e
WET	148.98	PKPab	04:28:52.980		15.7	4.14	TAS	m_e
WLF	149.59	PKPdf	04:28:48.381		24.6	1.37	TAS	m_e
WLF	149.59	PKPbc	04:28:51.216	0.1	17.7	2.86	TAS	m_e
WLF	149.59	PKPab	04:28:55.485		15.7	4.14	TAS	m_e

Event 10405003 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
2011/04/05	04:25:29.20			38.8800	142.3800				46.8			4		79.87	82.79	m i ke	NEIC
OrigID 10405057																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10405009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	79.87		P	04:37:32.668	-0.0	36.4		5.73		TAS		5.3	0.77	m_e mb	4.5
CLZ	80.43		P	04:37:36.140		36.4		5.73		TAS		15.9	1.28	m_e mb	4.8
GRA1	81.85		P	04:37:43.957		36.4		5.73		TAS		14.2	0.98	m_e mb	5.1

RJOB	82.79	P	04:37:48.965	36.4	5.73	TAS	7.8	0.97	m_e	mb	4.9
WET	81.64	P	04:37:42.800	36.4	5.73	TAS			m_e		

Event 10405004 Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/05	04:34:41.60			-7.0700	106.0500				42.7					98.47	98.47	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	98.47		PP	04:52:16.494						T__					m_e

Event 10405010 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2011/04/05	18:57:51.69		0.69	-19.8420	-171.8530				33.0					11	131	145.93	151.63	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	151.58		PKPbc	19:17:42.156		5.8		2.56		TAS					m_e
BRG	148.70		PKPbc	19:17:34.974	0.3	5.8		2.56		TAS					m_e
BSEG	145.93		PKPbc	19:17:27.421	-0.4	5.8		2.56		TAS					m_e
CLL	148.37		PKPbc	19:17:34.039	-0.0	5.8		2.56		TAS					m_e
CLZ	148.02		PKPbc	19:17:33.577	-0.1	5.8		2.56		TAS					m_e
FUR	151.63		PKPbc	19:17:42.354		5.8		2.56		TAS					m_e
GEC2	150.72		PKPbc	19:17:39.922		5.8		2.56		TAS					m_e
GRA1	150.12		PKPbc	19:17:38.823		5.8		2.56		TAS					m_e
IBBN	147.60		PKPbc	19:17:32.363	0.4	5.8		2.56		TAS					m_e
MOX	149.14		PKPbc	19:17:36.177	-0.3	5.8		2.56		TAS					m_e
TANN	149.30		PKPbc	19:17:36.689	-0.1	5.8		2.56		TAS					m_e

Event 10405011 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		
2011/04/05	19:43:40.00		0.69	39.8100	142.1100				47.8					6	131	78.96	82.46	m i ke	NEIC

Magnitude Err Nsta Author OrigID
 mb 4.6 BGR 10405017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	78.96		P	19:55:38.976	0.1	36.1		5.45		TAS		6.5	0.86	m_e mb	4.7
GRA1	80.94		P	19:55:50.409		36.1		5.45		TAS		7.7	0.97	m_e mb	4.7
MOX	80.02		P	19:55:45.014		36.1		5.45		TAS		5.1	1.28	m_e mb	4.3
RJOB	81.89		P	19:55:55.541		36.1		5.45		TAS		5.5	0.93	m_e mb	4.7
STU	82.46		P	19:55:57.956		36.1		5.45		TAS		12.6	0.87	m_e mb	5.1
WET	80.73		P	19:55:49.283		36.1		5.45		TAS		3.6	1.00	m_e mb	4.4

Event 10405012 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/05	19:47:37.38		0.69	36.2800	142.9820				36.9	0.4		7	131	81.30	86.57	m i ke	BGR
OrigID 10405018																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 10405018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.57		P	20:00:14.686		36.7		5.03		TAS		7.9	0.88	m_e mb	4.9
BFO	86.57		pP	20:00:25.460		37.2		5.08		TAS				m_e	
BRG	82.34		pP	20:00:04.259	-0.1	37.2		5.08		TAS				m_e	
BSEG	81.30		pP	19:59:59.121	0.1	37.2		5.08		TAS				m_e	
CLL	82.37		P	19:59:53.568	0.6	36.7		5.03		TAS		9.3	0.92	m_e mb	4.9
CLL	82.37		pP	20:00:04.181	-0.4	37.2		5.08		TAS				m_e	
GEC2	84.01		P	20:00:02.047		36.7		5.03		TAS		3.7	0.82	m_e mb	4.7
GRA1	84.35		P	20:00:04.425		36.7		5.03		TAS		15.6	0.99	m_e mb	5.2
GRA1	84.35		pP	20:00:15.194		37.2		5.08		TAS				m_e	
RJOB	85.26		pP	20:00:19.295		37.2		5.08		TAS				m_e	
TNS	84.98		pP	20:00:17.913		37.2		5.08		TAS				m_e	

Event 10405013 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
2011/04/05	21:24:15.03		0.69	36.6580	140.7260				33.0			9	131	80.14	85.36	m i ke	BGR
OrigID 10405019																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10405019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.36		P	21:36:47.112		38.6		5.18		TAS		6.5	0.87	m_e	mb 4.9
BRG	81.09		P	21:36:25.319	-0.2	38.6		5.18		TAS		3.7	1.04	m_e	mb 4.4
BSEG	80.14		P	21:36:20.356	-0.2	38.6		5.18		TAS		14.8	1.17	m_e	mb 4.8
CLL	81.15		P	21:36:25.405	-0.4	38.6		5.18		TAS		8.4	0.84	m_e	mb 4.8
CLZ	81.77		P	21:36:29.194	0.7	38.6		5.18		TAS		6.2	0.90	m_e	mb 4.7
GRA1	83.12		P	21:36:36.363		38.6		5.18		TAS		9.5	0.77	m_e	mb 5.1
GTTG	82.16		P	21:36:31.697	0.3	38.6		5.18		TAS		12.1	1.21	m_e	mb 4.9
RJOB	83.98		P	21:36:40.760		38.6		5.18		TAS		4.9	1.03	m_e	mb 4.7
WET	82.86		P	21:36:34.765		38.6		5.18		TAS		14.1	1.65	m_e	mb 4.9

Event 10405014 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/05	22:02:02.38		0.69	38.7440	143.4070				33.0			10	131	79.24	84.57	m i ke	BGR
OrigID 10405020																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10405020
Ms	4.6		BGR	10405020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.57		P	22:14:30.431		35.7		5.24		TAS		8.7	0.98	m_e	mb 4.9
BRG	80.37		P	22:14:08.619	-0.2	35.7		5.24		TAS		11.0	0.83	m_e	mb 4.8
BSEG	79.24		P	22:14:03.032	0.2	35.7		5.24		TAS		14.5	0.86	m_e	mb 5.0
CLL	80.39		P	22:14:08.513	-0.4	35.7		5.24		TAS		16.4	0.81	m_e	mb 5.0
CLZ	80.93		P	22:14:11.916	0.2	35.7		5.24		TAS		14.1	0.95	m_e	mb 5.0
GEC2	82.07		P	22:14:17.502	-0.4	35.7		5.24		TAS		4.5	0.87	m_e	mb 4.6
GRA1	82.36		P	22:14:19.712		35.7		5.24		TAS		17.5	0.88	m_e	mb 5.2
GRA1	82.36		L	22:57:58.231						T__		248.1	18.00	a_e	Ms 4.6
MOX	81.44		L	22:58:54.694						T__		214.1	18.40	a_e	Ms 4.5
NRDL	80.49		P	22:14:09.283	-0.1	35.7		5.24		TAS		6.5	0.93	m_e	mb 4.5
RJOB	83.32		P	22:14:24.548		35.7		5.24		TAS		16.4	0.87	m_e	mb 5.3
WET	82.16		P	22:14:18.598		35.7		5.24		TAS		6.5	1.05	m_e	mb 4.7

Event 10406003 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
2011/04/06	06:07:04.65		0.70	37.2270	141.3170				33.0			6	233	80.85	85.10	m i ke	BGR
OrigID 10406009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10406009

Ms 4.2 BGR 10406009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.10		P	06:19:35.672		37.9		5.20		TAS		17.2	1.19	m_e	mb 5.2
BRG	80.85		P	06:19:13.837	-0.4	37.9		5.20		TAS		6.9	0.94	m_e	mb 4.7
CLL	80.89		P	06:19:13.610	0.2	37.9		5.20		TAS		10.7	1.15	m_e	mb 4.8
CLZ	81.49		P	06:19:17.359	0.4	37.9		5.20		TAS		12.4	1.19	m_e	mb 4.8
GEC2	82.51		P	06:19:22.506		37.9		5.20		TAS		3.6	0.95	m_e	mb 4.6
GRA1	82.87		P	06:19:24.655		37.9		5.20		TAS		15.5	0.76	m_e	mb 5.3
GRA1	82.87		L	07:01:55.877						T__		93.9	19.60	a_e	Ms 4.2
MOX	81.96		L	07:00:25.463						T__		123.4	18.60	a_e	Ms 4.3

Event 10406004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/06	06:14:58.49		0.70	42.9070	140.0790				33.0			8	233	75.51	78.46	m i ke	BGR
OrigID 10406010																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10406010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	75.51		P	06:26:38.287	0.3	35.8		5.61		TAS		3.3	0.65	m_e	mb 4.6
CLL	75.52		P	06:26:38.048	0.1	35.8		5.61		TAS		7.6	0.88	m_e	mb 4.8
CLZ	76.07		P	06:26:41.595	-0.3	35.8		5.61		TAS		5.9	0.76	m_e	mb 4.8
GEC2	77.21		P	06:26:47.453		35.8		5.61		TAS		2.3	0.87	m_e	mb 4.3
GRA1	77.50		P	06:26:49.430		35.8		5.61		TAS		7.1	0.68	m_e	mb 4.9
IBBN	76.61		P	06:26:44.016	-0.0	35.8		5.61		TAS		8.7	0.64	m_e	mb 5.0
RJOB	78.46		P	06:26:54.717		35.8		5.61		TAS		4.5	0.74	m_e	mb 4.7
WET	77.30		P	06:26:48.451		35.8		5.61		TAS				m_e	

Event 10406008 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/06	11:25:53.80		0.88	-31.4200	-177.0900				18.3			16	102	156.87	162.61	m i ke	NEIC
OrigID 10406062																	

Magnitude Err Nsta Author OrigID
Ms 5.0 BGR 10406014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	162.61		PKPab	11:46:42.118		22.0		4.41		TAS				m_e	
BRG	158.91		PKPab	11:46:26.263	-0.2	22.0		4.41		TAS				m_e	

BSEG	156.87	PKPab	11:46:17.300	0.1	22.0	4.41	TAS	m_e										
CLL	158.77	PKPab	11:46:25.434	-0.2	22.0	4.41	TAS	m_e										
CLZ	158.87	PKPab	11:46:26.074	0.2	22.0	4.41	TAS	m_e										
FUR	162.10	PKPab	11:46:40.750		22.0	4.41	TAS	m_e										
GEC2	160.77	PKPab	11:46:34.613	0.4	22.0	4.41	TAS	m_e										
GRA1	160.71	PKPab	11:46:34.290	-0.2	22.0	4.41	TAS	m_e										
GRA1	160.71	L	13:05:17.350				T__		226.7	18.70	a_e	Ms					5.0	
GTTG	159.23	PKPab	11:46:28.213	0.8	22.0	4.41	TAS	m_e										
IBBN	158.83	PKPab	11:46:25.636	-0.4	22.0	4.41	TAS	m_e										
MOX	159.73	PKPab	11:46:29.628	-0.1	22.0	4.41	TAS	m_e										
MOX	159.73	L	12:59:02.975				T__		186.5	19.60	a_e	Ms					4.9	
NRDL	158.29	PKPab	11:46:23.209	-0.1	22.0	4.41	TAS	m_e										
RJOB	162.04	PKPab	11:46:40.720		22.0	4.41	TAS	m_e										
TANN	159.73	PKPab	11:46:29.963	0.1	22.0	4.41	TAS	m_e										
TNS	160.76	PKPab	11:46:34.100	0.1	22.0	4.41	TAS	m_e										
WET	160.76	PKPab	11:46:34.909	-0.5	22.0	4.41	TAS	m_e										

Event 10406010 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/06	12:56:53.29		0.38	36.9820	142.0650				33.0			16	76	80.34	85.60	m i ke	BGR
10406016																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 10406016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.26		P	13:09:20.189	-0.3	37.5		5.16		TAS		5.5	0.61	m_e mb	5.0
BFO	85.60		P	13:09:26.558		37.5		5.16		TAS		18.2	0.96	m_e mb	5.2
BRG	81.36		P	13:09:04.727	-0.3	37.5		5.16		TAS		9.9	0.92	m_e mb	4.8
BSEG	80.34		P	13:08:59.832	0.1	37.5		5.16		TAS		20.8	1.19	m_e mb	4.9
BUG	83.45		P	13:09:15.281	0.3	37.5		5.16		TAS				m_e	
CLL	81.40		P	13:09:04.849	-0.4	37.5		5.16		TAS		24.3	1.08	m_e mb	5.2
CLZ	81.99		P	13:09:08.682	0.4	37.5		5.16		TAS		13.3	0.86	m_e mb	5.1
GEC2	83.03		P	13:09:13.415	0.5	37.5		5.16		TAS		4.8	0.64	m_e mb	4.9
GRA1	83.38		P	13:09:15.922	0.0	37.5		5.16		TAS		21.5	0.96	m_e mb	5.4
MOX	82.47		P	13:09:10.692	-0.2	37.5		5.16		TAS		7.7	0.90	m_e mb	4.8
NRDL	81.57		P	13:09:06.089	0.0	37.5		5.16		TAS		10.1	1.02	m_e mb	4.9
RJOB	84.27		P	13:09:20.295	-0.1	37.5		5.16		TAS		10.4	0.89	m_e mb	5.1
STU	84.91		P	13:09:23.237		37.5		5.16		TAS		21.5	0.76	m_e mb	5.4
TANN	82.31		P	13:09:09.758	-0.2	37.5		5.16		TAS		9.8	1.31	m_e mb	4.8
TNS	84.02		P	13:09:18.740	0.2	37.5		5.16		TAS		10.6	1.10	m_e mb	5.0
WET	83.14		P	13:09:14.407	-0.5	37.5		5.16		TAS		8.4	1.07	m_e mb	4.9

Event 10406011 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
2011/04/06	13:54:56.29		0.38	38.2980	141.6950				56.6	0.9		12	76	78.90	84.31	m i ke	BGR
OrigID 10406017																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10406017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.96		P	14:07:13.242	0.1	36.8		5.25		TAS		27.4	1.00	m_e	mb	5.4
AHRW	82.96		pP	14:07:29.394						T__				m_e		
ASSE	80.35		P	14:06:59.675	0.4	36.8		5.25		TAS				m_e		
BFO	84.31		P	14:07:20.098		36.8		5.25		TAS		72.8	1.18	m_e	mb	5.8
BRG	80.08		P	14:06:58.233	-0.1	36.8		5.25		TAS		25.6	0.84	m_e	mb	5.2
BSEG	79.04		P	14:06:52.785	-0.4	36.8		5.25		TAS		69.4	1.21	m_e	mb	5.6
BSEG	79.04		pP	14:07:08.763	0.1					T__				m_e		
BUG	82.15		P	14:07:08.868	-0.1	36.8		5.25		TAS		34.4	1.02	m_e	mb	5.4
BUG	82.15		pP	14:07:24.886						T__				m_e		
CLL	80.11		P	14:06:58.099	0.2	36.8		5.25		TAS		57.5	1.12	m_e	mb	5.4
CLL	80.11		pP	14:07:14.077	-0.1					T__				m_e		
CLZ	80.69		P	14:07:01.903	0.0	36.8		5.25		TAS		75.8	1.26	m_e	mb	5.6
CLZ	80.69		pP	14:07:17.768	0.2					T__				m_e		
FBE	80.28		P	14:06:59.591	-0.1	36.8		5.25		TAS				m_e		
FLT1	79.98		P	14:06:57.321	-0.4	36.8		5.25		TAS				m_e		
FUR	83.29		P	14:07:15.332	0.0	36.8		5.25		TAS		57.2	0.69	m_e	mb	5.9
FUR	83.29		pP	14:07:31.271						T__				m_e		
GEC2	81.76		P	14:07:07.034	0.4	36.8		5.25		TAS		16.8	0.72	m_e	mb	5.3
GEC2	81.76		pP	14:07:22.861	0.2					T__				m_e		
GRA1	82.09		P	14:07:09.308	-0.1	36.8		5.25		TAS		64.0	1.22	m_e	mb	5.6
GTTG	81.08		P	14:07:04.324	0.1	36.8		5.25		TAS		50.5	1.12	m_e	mb	5.5
GUNZ	81.12		P	14:07:03.932	-0.1	36.8		5.25		TAS				m_e		
IBBN	81.26		P	14:07:04.553	-0.2	36.8		5.25		TAS		58.8	0.64	m_e	mb	5.8
MANZ	81.51		P	14:07:05.926	0.1	36.8		5.25		TAS				m_e		
MOX	81.18		P	14:07:04.055	0.1	36.8		5.25		TAS		17.6	0.84	m_e	mb	5.1
NEUB	80.68		P	14:07:01.340	-0.1	36.8		5.25		TAS				m_e		
NRDL	80.27		P	14:06:59.117	-0.0	36.8		5.25		TAS		19.8	0.99	m_e	mb	5.0
NRDL	80.27		pP	14:07:15.042	0.3					T__				m_e		
PLN	81.09		P	14:07:03.597	0.2	36.8		5.25		TAS				m_e		
RJOB	83.00		P	14:07:13.856	-0.1	36.8		5.25		TAS		43.8	0.98	m_e	mb	5.6
RJOB	83.00		pP	14:07:29.826						T__				m_e		
RUE	78.90		P	14:06:51.928	0.1	36.8		5.25		TAS				m_e		
STU	83.62		P	14:07:16.842	-0.5	36.8		5.25		TAS		70.8	1.21	m_e	mb	5.8
STU	83.62		pP	14:07:32.837						T__				m_e		
TANN	81.03		P	14:07:03.190	0.8	36.8		5.25		TAS		18.5	1.21	m_e	mb	5.0
TANN	81.03		pP	14:07:19.391	-0.2					T__				m_e		
TNS	82.72		P	14:07:12.025	0.1	36.8		5.25		TAS		40.4	1.48	m_e	mb	5.4
TNS	82.72		pP	14:07:28.017						T__				m_e		

NRDL	pP	14:14:36.129	0.0						T__						m_e	
RJOB	P	14:14:16.574	-0.4	93.6		4.99			TAS	81.2	1.33	m_e mb			5.8	
RJOB	pP	14:14:25.659	-0.3						T__						m_e	
STU	P	14:14:29.049	-0.2	93.6		4.99			TAS	75.5	1.33	m_e mb			5.7	
STU	pP	14:14:38.077	-0.1						T__						m_e	
TANN	P	14:14:19.065	-0.1	93.6		4.99			TAS	82.0	1.55	m_e mb			5.7	
TANN	pP	14:14:28.095	-0.0						T__						m_e	
TNS	P	14:14:31.961	0.1	93.6		4.99			TAS	98.4	1.32	m_e mb			5.8	
TNS	pP	14:14:41.006	0.1						T__						m_e	
WET	P	14:14:17.407	0.1	93.6		4.99			TAS	125.1	1.33	m_e mb			6.0	
WET	pP	14:14:26.557	0.3						T__						m_e	
WLF	P	14:14:39.502	0.2	93.6		4.99			TAS	177.4	1.37	m_e mb			6.1	
WLF	pP	14:14:48.344	0.1						T__						m_e	

Event 10406013 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/06	19:20:22.38		0.38	39.9210	144.7630				33.0				8 76			m i ke	BGR
OrigID 10406019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10406019
Ms	4.5		BGR	10406019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO			P	19:32:47.823		34.2		5.28		TAS		8.2	1.17	m_e mb	4.8
BSEG			P	19:32:19.704	0.1	34.2		5.28		TAS		10.5	1.01	m_e mb	4.8
CLL			P	19:32:25.649	0.3	34.2		5.28		TAS		6.6	0.86	m_e mb	4.6
CLZ			P	19:32:29.059	0.0	34.2		5.28		TAS		6.6	0.84	m_e mb	4.6
GRA1			P	19:32:36.910		34.2		5.28		TAS		9.9	1.06	m_e mb	4.9
GRA1			L	20:15:18.994						T__		139.2	20.00	a_e Ms	4.3
MOX			P	19:32:31.560		34.2		5.28		TAS		3.8	1.00	m_e mb	4.4
MOX			L	20:11:48.042						T__		276.1	18.60	a_e Ms	4.6
RJOB			P	19:32:42.139		34.2		5.28		TAS		5.2	0.87	m_e mb	4.8
WET			P	19:32:35.749		34.2		5.28		TAS		6.6	1.27	m_e mb	4.6

Event 10407001 Off southeast coast of Hokkaido, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/07	02:02:28.27			42.0050	147.0060				33.0				9	80.79	80.79	m i ke	BGR
OrigID 10407007																	

Magnitude	Err	Nsta	Author	OrigID
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mb 4.5 BGR 10407007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.79		P	02:14:37.201		29.2		4.48		TAS		4.9	1.05	m_e	mb 4.5

Event 10407002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/07	02:40:47.29			36.9640	142.2210				45.7	1.8		12		80.41	85.68	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10407008
Ms	4.2		BGR	10407008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.68		P	02:53:19.332		37.4		5.15		TAS		12.7	1.00	m_e	mb 5.0
BFO	85.68		sP	02:53:38.194		38.3		5.25		TAS				m_e	
BRG	81.44		P	02:52:57.748	-0.3	37.4		5.15		TAS		10.0	1.01	m_e	mb 4.8
BRG	81.44		sP	02:53:16.002	-0.2	38.3		5.25		TAS				m_e	
BSEG	80.41		sP	02:53:11.049	0.0	38.3		5.25		TAS				m_e	
BUG	83.53		P	02:53:08.543		37.4		5.15		TAS		6.8	0.90	m_e	mb 4.9
CLL	81.48		P	02:52:57.780	0.3	37.4		5.15		TAS		17.0	0.93	m_e	mb 5.1
CLL	81.48		sP	02:53:16.222	-0.2	38.3		5.25		TAS				m_e	
CLZ	82.07		P	02:53:01.386	0.2	37.4		5.15		TAS		10.5	0.97	m_e	mb 4.9
CLZ	82.07		sP	02:53:19.977	0.0	38.3		5.25		TAS				m_e	
FUR	84.65		P	02:53:14.545		37.4		5.15		TAS		19.7	0.88	m_e	mb 5.4
FUR	84.65		sP	02:53:33.042		38.3		5.25		TAS				m_e	
GEC2	83.11		P	02:53:06.273	0.1	37.4		5.15		TAS		6.4	1.04	m_e	mb 4.8
GEC2	83.11		sP	02:53:24.626	0.0	38.3		5.25		TAS				m_e	
GRA1	83.45		P	02:53:08.480	-0.4	37.4		5.15		TAS		23.5	1.02	m_e	mb 5.4
GRA1	83.45		pP	02:53:22.245						T__				m_e	
GRA1	83.45		sP	02:53:27.333	-0.1	38.3		5.25		TAS				m_e	
GRA1	83.45		L	03:33:48.680						T__		123.0	18.60	a_e	Ms 4.3
MOX	82.54		P	02:53:03.564	0.2	37.4		5.15		TAS		6.3	1.05	m_e	mb 4.8
MOX	82.54		sP	02:53:22.093	-0.2	38.3		5.25		TAS				m_e	
MOX	82.54		L	03:30:08.155						T__		100.0	20.00	a_e	Ms 4.2
NRDL	81.64		sP	02:53:17.249	-0.2	38.3		5.25		TAS				m_e	
RJOB	84.35		P	02:53:13.033		37.4		5.15		TAS		10.3	1.17	m_e	mb 4.9
RJOB	84.35		sP	02:53:31.569	-0.3	38.3		5.25		TAS				m_e	
STU	84.99		P	02:53:16.131		37.4		5.15		TAS		13.8	0.76	m_e	mb 5.3
STU	84.99		sP	02:53:34.814		38.3		5.25		TAS				m_e	
WET	83.22		P	02:53:07.245	0.1	37.4		5.15		TAS		6.2	1.00	m_e	mb 4.8
WET	83.22		sP	02:53:25.468	0.2	38.3		5.25		TAS				m_e	

Event 10407007 Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/07	13:11:25.75		0.45	16.9720	-93.3350				165.6	1.5		29	128	83.22	88.13	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	10407013
MBB	7.0		BGR	10407013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.51		P	13:23:34.067	-0.1	291.9		4.88		TAS		1000.8	1.30	m_e	MBB 7.2
ASSE	85.09		P	13:23:41.959	-0.6	291.9		4.88		TAS		1124.2	1.06	m_e	MBB 7.2
ASSE	85.09		pP	13:24:22.987	0.2	291.4		5.04		TAS				m_e	
BFO	85.01		P	13:23:40.848	-0.5	291.9		4.88		TAS		624.0	1.10	m_e	MBB 7.0
BFO	85.01		pP	13:24:21.983	0.2	291.4		5.04		TAS				m_e	
BFO	85.01		S	13:33:58.281	0.6	291.5		10.38		TAS				m_e	
BRG	87.46		P	13:23:52.904		291.9		4.88		TAS		155.5	0.85	m_e	MBB 6.7
BRG	87.46		pP	13:24:34.441		291.4		5.04		TAS				m_e	
BRG	87.46		S	13:34:25.199		291.5		10.38		TAS				m_e	
BSEG	84.24		P	13:23:37.467	0.2	291.9		4.88		TAS		1045.1	1.10	m_e	MBB 7.1
BUG	83.34		P	13:23:32.788	-0.0	291.9		4.88		TAS		948.1	1.72	m_e	MBB 7.1
BUG	83.34		pP	13:24:14.007	-0.3	291.4		5.04		TAS				m_e	
CLL	86.74		P	13:23:49.135	-0.1	291.9		4.88		TAS		219.7	0.99	m_e	MBB 6.7
CLL	86.74		S	13:34:18.050		291.5		10.38		TAS				m_e	
CLZ	85.02		P	13:23:41.764	0.2	291.9		4.88		TAS		923.1	1.13	m_e	MBB 7.1
CLZ	85.02		pP	13:24:22.662	0.0	291.4		5.04		TAS				m_e	
CLZ	85.02		S	13:34:00.707	-0.4	291.5		10.38		TAS				m_e	
FBE	87.10		S	13:34:21.789		291.5		10.38		TAS				m_e	
FLT1	85.34		P	13:23:42.435	0.2	291.9		4.88		TAS		769.5	1.06	m_e	MBB 7.1
FLT1	85.34		pP	13:24:23.652	-0.1	291.4		5.04		TAS				m_e	
FLT1	85.34		S	13:34:02.766	0.9	291.5		10.38		TAS				m_e	
FUR	86.91		P	13:23:50.847	0.0	291.9		4.88		TAS		572.2	1.26	m_e	MBB 6.9
FUR	86.91		pP	13:24:31.846		291.4		5.04		TAS				m_e	
GEC2	88.13		P	13:23:56.408		291.9		4.88		TAS		208.5	0.91	m_e	MBB 6.9
GEC2	88.13		S	13:34:32.284		291.5		10.38		TAS				m_e	
GRA1	86.31		P	13:23:48.143	-0.1	291.9		4.88		TAS		834.6	1.22	m_e	mb 6.7
GRA1	86.31		pP	13:24:29.229		291.4		5.04		TAS				m_e	
GRA1	86.31		S	13:34:15.204	-0.6	291.5		10.38		TAS				m_e	
GTTG	84.89		P	13:23:41.829	0.3	291.9		4.88		TAS		1158.9	0.98	m_e	MBB 7.2
GUNZ	86.72		P	13:23:49.732	0.1	291.9		4.88		TAS		428.0	1.08	m_e	MBB 6.8
GUNZ	86.72		pP	13:24:31.001		291.4		5.04		TAS				m_e	
GUNZ	86.72		S	13:34:18.972		291.5		10.38		TAS				m_e	
IBBN	83.34		P	13:23:32.876	-0.5	291.9		4.88		TAS		1781.2	1.85	m_e	MBB 7.2
MANZ	86.73		P	13:23:49.640	0.1	291.9		4.88		TAS		271.5	1.18	m_e	MBB 6.8
MANZ	86.73		S	13:34:18.584		291.5		10.38		TAS				m_e	
MOX	86.19		P	13:23:47.035	0.1	291.9		4.88		TAS		452.1	1.11	m_e	MBB 6.8

MOX	NRDL	NRDL	PLN	PLN	RGN	RJOB	RJOB	ROTZ	ROTZ	ROTZ	STU	TANN	TANN	TANN	TNS	WERD	WERD	WERD	WERN	WERN	WERN	WET	WET	WLF	WLF
86.19	84.63	84.63	86.57	86.57	85.64	88.02	88.02	86.87	86.87	86.87	85.40	86.77	86.77	86.77	84.44	86.67	86.67	86.67	86.77	86.77	86.77	87.52	87.52	83.22	83.22
S	P	S	P	pP	P	P	S	P	pP	S	P	P	S	pP	P	P	S	S	P	pP	S	P	S	P	S
13:34:13.108	13:23:39.642	13:33:55.886	13:23:49.044	13:24:30.338	13:23:44.765	13:23:56.082	13:34:30.954	13:23:50.593	13:24:31.980	13:34:20.188	13:23:43.530	13:23:50.065	13:24:31.277	13:34:19.320	13:23:38.825	13:23:49.415	13:24:30.568	13:34:18.200	13:23:49.930	13:24:31.476	13:34:19.619	13:23:53.959	13:34:26.332	13:23:32.754	13:33:42.703
-0.1	1.0	0.5	0.0		-0.1			0.3			0.3	0.2		0.1	-0.1	-0.1			-0.4					-0.4	-0.7
291.5	291.9	291.5	291.9	291.4	291.9	291.9	291.5	291.9	291.4	291.5	291.9	291.9	291.4	291.5	291.9	291.9	291.4	291.5	291.9	291.4	291.5	291.9	291.5	291.9	291.5
10.38	4.88	10.38	4.88	5.04	4.88	4.88	10.38	4.88	5.04	10.38	4.88	4.88	5.04	10.38	4.88	4.88	5.04	10.38	4.88	5.04	10.38	4.88	10.38	4.88	10.38
TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS	TAS
m_e	829.3	m_e	411.4	m_e	965.3	254.6	m_e	295.0	m_e	m_e	1297.2	389.8	m_e	m_e	1490.2	434.0	m_e	m_e	470.5	m_e	m_e	237.8	m_e	717.2	m_e
	1.03	1.11	1.11	1.50	0.90	1.37	1.02	1.07	0.93	1.29	1.08	0.95	0.81												
MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB	MBB
7.1	6.8	7.0	7.0	7.3	6.8	7.3	6.7	6.8	7.3	6.7	6.8	7.0	7.2												

Event 10407008 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
2011/04/07	14:32:44.99		0.45	38.6550	142.1620				33.0			33	128	77.32	84.18	m i ke	BGR
OrigID 10407014																	

Magnitude	Err	Nsta	Author	OrigID
mb	7.1		BGR	10407014
MBB	7.4		BGR	10407014
Ms	7.2		BGR	10407014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.81		P	14:45:03.848	-0.1	36.6		5.27		TAS		1128.1	1.01	m_e	MBB 7.4
ASSE	80.21		P	14:44:50.179	-0.1	36.6		5.27		TAS		2382.2	1.57	m_e	MBB 7.2
BFO	84.18		P	14:45:10.747	-0.5	36.6		5.27		TAS		2343.9	1.09	m_e	MBB 7.5
BRG	79.96		P	14:44:48.774	-0.2	36.6		5.27		TAS		2521.1	1.57	m_e	MBB 7.2
BSEG	78.88		P	14:44:43.374	0.1	36.6		5.27		TAS		2158.7	1.05	m_e	MBB 7.4
BUG	81.99		P	14:44:59.329	-0.3	36.6		5.27		TAS		683.3	0.89	m_e	MBB 7.3
CLL	79.99		P	14:44:48.676	-0.5	36.6		5.27		TAS		1755.0	1.00	m_e	MBB 7.2

CLZ	80.55	P	14:44:52.430	0.3	36.6	5.27	TAS	1981.7	1.09	m_e	MBB	7.4
FBE	80.15	P	14:44:50.217	0.2	36.6	5.27	TAS	6276.9	1.75	m_e	MBB	7.2
FLT1	79.84	P	14:44:47.675	-0.7	36.6	5.27	TAS	1842.1	0.96	m_e	MBB	7.3
FUR	83.17	P	14:45:05.869	-0.0	36.6	5.27	TAS	2680.8	0.94	m_e	MBB	7.7
GEC2	81.65	P	14:44:57.795	-0.1	36.6	5.27	TAS	818.0	1.13	m_e	MBB	7.3
GRA1	81.96	P	14:45:00.221	0.7	36.6	5.27	TAS	3639.6	1.19	m_e	mb	7.4
GRA1	81.96	PP	14:48:09.803				T__				m_e	
GRA1	81.96	PPP	14:50:00.952				T__				m_e	
GRA1	81.96	S	14:55:52.240				T__				m_e	
GRA1	81.96	PKKPbc	15:03:30.778				T__				m_e	
GRA1	81.96	P'P'df	15:11:30.208				T__				m_e	
GRA1	81.96	L	15:24:49.155				T__	110588.0	20.10	a_e	Ms	7.2
GTTG	80.94	P	14:44:54.895	0.8	36.6	5.27	TAS	1245.0	0.95	m_e	MBB	7.3
GUNZ	80.99	P	14:44:54.468	0.0	36.6	5.27	TAS	1074.1	1.07	m_e	MBB	7.1
HLG	79.52	P	14:44:47.217	0.7	36.6	5.27	TAS	1661.5	0.92	m_e	MBB	7.3
IBBN	81.11	P	14:44:54.903	-0.0	36.6	5.27	TAS	1849.4	0.73	m_e	MBB	7.5
MANZ	81.38	P	14:44:56.585	0.1	36.6	5.27	TAS	742.8	0.95	m_e	MBB	7.2
MOX	81.05	P	14:44:54.682	-0.0	36.6	5.27	TAS	3380.8	1.87	m_e	MBB	7.3
MOX	81.05	L	15:24:54.598				T__	111873.0	20.90	a_e	Ms	7.2
NEUB	80.55	P	14:44:52.002	-0.1	36.6	5.27	TAS	2535.7	1.17	m_e	MBB	7.4
NRDL	80.12	P	14:44:49.752	-0.1	36.6	5.27	TAS	831.2	1.02	m_e	MBB	7.2
PLN	80.96	P	14:44:54.139	-0.1	36.6	5.27	TAS	1126.3	1.27	m_e	MBB	7.2
RGN	77.32	P	14:44:34.629	-0.4	36.6	5.27	TAS	6320.1	1.61	m_e	MBB	7.7
RJOB	82.89	P	14:45:04.640	0.2	36.6	5.27	TAS	2092.3	1.06	m_e	MBB	7.6
ROTZ	81.52	P	14:44:57.604	0.4	36.6	5.27	TAS	4351.1	1.77	m_e	MBB	7.5
RUE	78.77	P	14:44:42.593	-0.1	36.6	5.27	TAS	3782.2	1.44	m_e	MBB	7.5
STU	83.49	P	14:45:07.268	-0.3	36.6	5.27	TAS	4842.0	1.75	m_e	MBB	7.6
TANN	80.90	P	14:44:53.871	-0.1	36.6	5.27	TAS	3004.0	1.97	m_e	MBB	7.2
TNS	82.58	P	14:45:02.635	-0.1	36.6	5.27	TAS	589.4	0.83	m_e	MBB	7.4
WERD	80.94	P	14:44:54.066	-0.1	36.6	5.27	TAS	3228.3	2.05	m_e	MBB	7.0
WERN	81.04	P	14:44:54.879	0.2	36.6	5.27	TAS	921.7	1.01	m_e	MBB	7.1
WET	81.74	P	14:44:58.728	0.3	36.6	5.27	TAS	1919.5	1.47	m_e	MBB	7.4
WLF	83.87	P	14:45:09.442	-0.1	36.6	5.27	TAS	6779.5	2.06	m_e	MBB	7.6

Event 10407011 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/07	19:11:15.57			37.1680	142.7910				33.0			15		81.49	85.72	m i ke	BGR
	10407017																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10407017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.72		P	19:23:49.470		36.9		5.15		TAS		18.9	1.15	m_e	mb 5.1
BRG	81.49		P	19:23:27.898	-0.3	36.9		5.15		TAS		6.6	1.00	m_e	mb 4.6

BUG	83.55	P	19:23:38.584	0.0	36.9	5.15	TAS	6.8	0.75	m_e	mb	5.0
CLL	81.52	P	19:23:27.866	-0.5	36.9	5.15	TAS	10.9	0.93	m_e	mb	5.0
CLZ	82.10	P	19:23:31.596	0.3	36.9	5.15	TAS	11.9	1.01	m_e	mb	5.0
FUR	84.70	P	19:23:44.707		36.9	5.15	TAS	16.8	1.14	m_e	mb	5.2
GEC2	83.17	P	19:23:36.642	-0.1	36.9	5.15	TAS	8.1	1.25	m_e	mb	4.8
GRA1	83.50	P	19:23:38.830	0.1	36.9	5.15	TAS	28.4	1.30	m_e	mb	5.3
NRDL	81.67	P	19:23:29.085	0.1	36.9	5.15	TAS	5.3	0.97	m_e	mb	4.6
RJOB	84.42	P	19:23:43.347		36.9	5.15	TAS	9.3	1.09	m_e	mb	4.9
ROTZ	83.05	P	19:23:36.603	0.3	36.9	5.15	TAS	14.9	1.41	m_e	mb	5.0
STU	85.03	P	19:23:46.387		36.9	5.15	TAS	24.3	1.03	m_e	mb	5.4
TANN	82.44	P	19:23:32.982	-0.1	36.9	5.15	TAS	5.2	1.10	m_e	mb	4.6
TNS	84.12	P	19:23:41.714	0.0	36.9	5.15	TAS	7.7	1.28	m_e	mb	4.8
WET	83.28	P	19:23:37.511	0.0	36.9	5.15	TAS	11.1	1.29	m_e	mb	4.9

Event 10407012 North of Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/07	20:42:02.76			18.8560	-84.8880				33.0			12		76.53	81.50	m i ke	BGR
OrigID 10407018																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10407018
Ms	5.3		BGR	10407018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.90		P	20:53:51.560	-0.0	286.9		5.43		TAS		24.4	1.40	m_e	mb	5.1
BRG	81.00		P	20:54:13.697		286.9		5.43		TAS		30.6	1.91	m_e	mb	5.0
BUG	76.81		P	20:53:50.655	-0.3	286.9		5.43		TAS		17.1	1.40	m_e	mb	5.0
CLL	80.30		P	20:54:09.858		286.9		5.43		TAS		23.4	1.56	m_e	mb	4.9
CLZ	78.58		P	20:54:00.853	-0.1	286.9		5.43		TAS		8.3	1.00	m_e	mb	4.7
GEC2	81.50		P	20:54:16.273		286.9		5.43		TAS		16.7	1.59	m_e	mb	4.9
GRA1	79.70		P	20:54:06.811	-0.2	286.9		5.43		TAS		12.2	1.29	m_e	mb	4.7
GRA1	79.70		L	21:34:02.993						T__		1983.0	19.50	a_e	Ms	5.5
MOX	79.66		L	21:30:34.013						T__		1023.3	21.20	a_e	Ms	5.1
ROTZ	80.29		P	20:54:09.997		286.9		5.43		TAS		11.4	1.47	m_e	mb	4.6
TANN	80.25		P	20:54:09.653		286.9		5.43		TAS		31.2	1.82	m_e	mb	4.9
TNS	77.83		P	20:53:56.538	0.3	286.9		5.43		TAS		25.6	1.71	m_e	mb	5.1
WET	80.90		P	20:54:13.318		286.9		5.43		TAS		31.2	1.70	m_e	mb	5.1
WLF	76.53		P	20:53:49.518	0.1	286.9		5.43		TAS		6.4	0.80	m_e	mb	4.8

Event 10407013 North of Honduras

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

2011/04/07 21:06:06.64 16.4230 -84.2220 31.5 9 77.91 82.90 m i ke BGR
10407019

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 10407019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
CLL	81.78		P	21:18:21.673		284.8		5.32		TAS		15.1	1.43	m_e	mb	4.9
CLZ	80.06		P	21:18:12.754	-0.1	284.8		5.32		TAS		30.2	1.72	m_e	mb	4.9
GEC2	82.90		P	21:18:27.958		284.8		5.32		TAS		7.1	1.16	m_e	mb	4.8
GRA1	81.11		P	21:18:18.610		284.8		5.32		TAS		4.1	0.69	m_e	mb	4.6
GRA1	81.11		pP	21:18:27.703						T__				m_e		
GTTG	79.88		P	21:18:12.270	-0.1	284.8		5.32		TAS		9.6	0.69	m_e	mb	4.8
RJOB	82.64		P	21:18:26.537		284.8		5.32		TAS		6.5	1.15	m_e	mb	4.8
TANN	81.69		P	21:18:21.460		284.8		5.32		TAS		6.5	1.39	m_e	mb	4.6
WET	82.30		P	21:18:25.036		284.8		5.32		TAS		5.4	0.90	m_e	mb	4.7
WLF	77.91		P	21:18:01.233	-0.2	284.8		5.32		TAS		5.7	0.85	m_e	mb	4.7

Event 10407014 Off east coast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/04/07 22:02:20.68 39.4480 143.6350 33.0 19 79.85 84.03 m i ke BGR
10407020

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 10407020
Ms 4.8 BGR 10407020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.62		P	22:14:38.887	-0.0	35.2		5.28		TAS		23.6	1.29	m_e	mb	5.3
BFO	84.03		P	22:14:46.016		35.2		5.28		TAS		42.8	1.60	m_e	mb	5.4
BRG	79.85		P	22:14:24.071	-0.3	35.2		5.28		TAS		16.4	0.97	m_e	mb	4.9
BUG	81.79		P	22:14:34.274	-0.2	35.2		5.28		TAS		15.9	1.00	m_e	mb	5.1
CLL	79.86		P	22:14:23.924	-0.5	35.2		5.28		TAS		26.8	0.83	m_e	mb	5.2
CLZ	80.38		P	22:14:27.407	0.3	35.2		5.28		TAS		30.3	1.01	m_e	mb	5.2
FUR	83.06		P	22:14:41.280	-0.0	35.2		5.28		TAS		22.8	0.83	m_e	mb	5.4
GEC2	81.56		P	22:14:33.167	-0.2	35.2		5.28		TAS		8.4	1.00	m_e	mb	4.8
GRA1	81.83		P	22:14:35.211	0.4	35.2		5.28		TAS		37.7	0.97	m_e	mb	5.5
GRA1	81.83		L	22:56:23.630						T__		424.4	18.10	a_e	Ms	4.8
GTTG	80.77		P	22:14:29.966	0.8	35.2		5.28		TAS		24.0	1.02	m_e	mb	5.2
IBBN	80.90		P	22:14:29.764	-0.0	35.2		5.28		TAS		29.6	0.84	m_e	mb	5.3
MOX	80.91		P	22:14:29.848	-0.1	35.2		5.28		TAS		13.6	1.03	m_e	mb	4.9
MOX	80.91		L	22:50:50.279						T__		364.2	20.90	a_e	Ms	4.7
NRDL	79.94		P	22:14:24.563	-0.2	35.2		5.28		TAS		11.0	0.95	m_e	mb	4.8
RJOB	82.81		P	22:14:40.235	0.2	35.2		5.28		TAS		19.3	0.92	m_e	mb	5.3
ROTZ	81.40		P	22:14:32.988	0.5	35.2		5.28		TAS		19.6	1.12	m_e	mb	5.0

STU	83.35	P	22:14:42.755	-0.1	35.2	5.28	TAS	28.4	0.81	m_e mb	5.5
TANN	80.78	P	22:14:29.045	-0.2	35.2	5.28	TAS	7.5	1.06	m_e mb	4.7
TNS	82.41	P	22:14:37.889	0.1	35.2	5.28	TAS	9.3	0.90	m_e mb	4.9
WET	81.65	P	22:14:33.885	0.1	35.2	5.28	TAS	15.7	1.13	m_e mb	5.0

Event 10408005 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
2011/04/08	00:56:25.11		0.59	36.2770	141.1430				33.0				297	83.62	83.62	m i ke	BGR
OrigID		10408011															

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10408011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.62		P	01:08:49.003		43.5		4.50		TAS		23.8	1.18	m_e mb	5.3

Event 10408004 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/08	02:57:24.25		0.59	37.3620	140.8560				33.0				297	82.56	82.56	m i ke	BGR
OrigID		10408010															

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10408010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.56		P	03:09:42.681		39.5		4.40		TAS		26.8	1.71	m_e mb	5.2

Event 10408002 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/08	18:42:25.13			43.0060	149.0180				55.8				17	78.60	82.68	m i ke	BGR
OrigID		10408008															

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10408008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.10		P	18:54:32.140	0.3	29.9		5.40		TAS		36.1	1.18	m_e mb	5.3

Event 10409005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/09	01:25:28.87		0.14	36.7520	142.3710				31.9			19	145	80.66	85.92	m i ke	BGR
OrigID 10409011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10409011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.58		P	01:37:58.039	0.1	37.4		5.15		TAS		26.5	1.13	m_e	mb 5.4
BFO	85.92		P	01:38:04.760		37.4		5.15		TAS		50.7	1.03	a_e	mb 5.6
BFO	85.92		pP	01:38:14.019						T__				m_e	
BRG	81.68		P	01:37:43.018	-0.3	37.4		5.15		TAS		24.1	1.08	m_e	mb 5.2
BSEG	80.66		P	01:37:37.910	-0.1	37.4		5.15		TAS		34.4	1.13	m_e	mb 5.3
CLL	81.72		P	01:37:43.110	-0.4	37.4		5.15		TAS		41.1	1.04	m_e	mb 5.5
CLZ	82.31		P	01:37:46.810	0.3	37.4		5.15		TAS		41.8	1.10	a_e	mb 5.5
FUR	84.89		P	01:37:59.910	0.1	37.4		5.15		TAS		65.9	1.04	a_e	mb 5.8
GEC2	83.35		P	01:37:51.760	0.3	37.4		5.15		TAS		23.1	1.18	a_e	mb 5.3
GRA1	83.70		P	01:37:54.054	-0.0	37.4		5.15		TAS		69.9	1.30	m_e	mb 5.7
GTTG	82.70		P	01:37:49.210	-0.3	37.4		5.15		TAS		31.5	1.17	a_e	mb 5.4
IBBN	82.88		P	01:37:49.310	0.5	37.4		5.15		TAS		36.3	1.00	a_e	mb 5.6
MOX	82.79		P	01:37:48.712	-0.1	37.4		5.15		TAS		13.4	1.02	m_e	mb 5.1
NRDL	81.89		P	01:37:44.260	-0.1	37.4		5.15		TAS		27.9	1.32	a_e	mb 5.2
RJOB	84.60		P	01:37:58.384	-0.2	37.4		5.15		TAS		29.5	1.05	m_e	mb 5.5
ROTZ	83.24		P	01:37:51.879	-0.2	37.4		5.15		TAS		44.4	1.42	m_e	mb 5.5
STU	85.23		P	01:38:01.410	-0.4	37.4		5.15		TAS		55.8	0.94	a_e	mb 5.8
TNS	84.34		P	01:37:56.960	0.0	37.4		5.15		TAS		15.3	1.13	a_e	mb 5.1
WET	83.46		P	01:37:52.810	0.3	37.4		5.15		TAS		27.5	1.21	a_e	mb 5.4
WLF	85.64		P	01:38:03.766		37.4		5.15		TAS		39.9	1.42	m_e	mb 5.3

Event 10409004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/09	02:31:07.29		0.14	40.2860	143.3240				30.2			11	145	77.83	83.18	m i ke	BGR
OrigID 10409010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10409010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.18		P	02:43:29.479		35.0		5.36		TAS		33.0	2.04	m_e	mb 5.2
BFO	83.18		pP	02:43:38.189						T__				m_e	
BRG	79.00		P	02:43:07.449	-0.0	35.0		5.36		TAS		10.5	1.34	m_e	mb 4.7
BSEG	77.83		P	02:43:01.014	-0.1	35.0		5.36		TAS		14.9	1.04	m_e	mb 5.1

CLL	79.01	P	02:43:07.044	-0.5	35.0	5.36	TAS	12.3	1.14	m_e mb	4.8
CLZ	79.53	P	02:43:10.570	0.3	35.0	5.36	TAS	12.0	1.07	m_e mb	4.7
FUR	82.22	P	02:43:24.904		35.0	5.36	TAS	14.4	0.92	m_e mb	5.1
GEC2	80.72	P	02:43:16.362	-0.4	35.0	5.36	TAS	6.3	1.15	m_e mb	4.5
GRA1	80.99	P	02:43:18.621		35.0	5.36	TAS	16.7	0.80	m_e mb	5.1
RJOB	81.97	P	02:43:23.476		35.0	5.36	TAS	7.5	1.05	m_e mb	4.8
ROTZ	80.55	P	02:43:16.072	-0.1	35.0	5.36	TAS	10.5	1.27	m_e mb	4.7
STU	82.50	P	02:43:26.047		35.0	5.36	TAS	11.5	0.80	m_e mb	5.1

Event 10409003 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
2011/04/09	09:42:24.84		0.14	38.8890	141.8450				53.5			13	145	79.63	83.85	m i ke	BGR
OrigID 10409009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10409009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.85		P	09:54:46.530		36.7		5.29		TAS		34.7	1.15	m_e mb	5.5
BRG	79.63		P	09:54:24.927		36.7		5.29		TAS		10.9	0.77	m_e mb	4.8
CLL	79.66		P	09:54:24.198	-0.2	36.7		5.29		TAS		24.5	1.05	m_e mb	5.1
CLL	79.66		pP	09:54:39.459						T__				m_e	
CLZ	80.23		P	09:54:27.686	0.6	36.7		5.29		TAS		33.5	1.04	m_e mb	5.2
GEC2	81.32		P	09:54:33.713	0.3	36.7		5.29		TAS		19.3	1.49	m_e mb	4.9
GRA1	81.64		P	09:54:35.499	-0.6	36.7		5.29		TAS		34.0	1.08	m_e mb	5.4
GTTG	80.62		P	09:54:30.590	0.5	36.7		5.29		TAS		15.4	0.78	m_e mb	5.1
MOX	80.72		P	09:54:30.590	0.0	36.7		5.29		TAS		34.3	1.51	m_e mb	5.2
NRDL	79.80		P	09:54:25.710	-0.3	36.7		5.29		TAS		25.4	1.53	m_e mb	4.9
RJOB	82.56		P	09:54:40.544		36.7		5.29		TAS		26.1	1.16	m_e mb	5.4
ROTZ	81.19		P	09:54:33.546	0.1	36.7		5.29		TAS		62.5	1.66	m_e mb	5.4
TANN	80.58		P	09:54:29.444	0.1	36.7		5.29		TAS		35.2	1.93	m_e mb	5.1
TNS	82.26		P	09:54:38.586		36.7		5.29		TAS		24.0	1.44	m_e mb	5.1
WET	81.42		P	09:54:34.197	0.1	36.7		5.29		TAS		25.4	1.35	m_e mb	5.1
WLF	83.55		P	09:54:45.514		36.7		5.29		TAS		89.1	1.99	m_e mb	5.7

Event 10409002 Southeast of Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/09	12:57:41.59		0.14	29.4700	133.7700				14.2			21	145	83.66	88.50	m i ke	BGR
OrigID 10409008																	

Magnitude	Err	Nsta	Author	OrigID
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mb 6.3 BGR 10409008
Ms 6.1 BGR 10409008

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists seismic data for various stations like AHRW, BFO, BRG, etc.

Event 10410010 Near east coast of eastern Honshu, Japan

Table with columns: Date, Time, Err, RMS, Latitude, Longitude, Smaj, Smin, Az, Depth, Err, Ndef, Nsta, Gap, mdist, Mdist, Qual, Author. Contains event details for 2011/04/10.

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10410016

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists data for station GRA1.

Event 10410009 Kermadec Islands region

Table with columns: Date, Time, Err, RMS, Latitude, Longitude, Smaj, Smin, Az, Depth, Err, Ndef, Nsta, Gap, mdist, Mdist, Qual, Author.

OrigID
 2011/04/10 04:45:19.60 -28.7300 -176.8600 33.0 9 m i ke GSRC
 10410092

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BEAM			PKPab	05:05:49.773		19.4		4.55		TAS					m_e
BRG			PKPab	05:05:41.371	0.5	19.4		4.55		TAS					m_e
FBE			PKPab	05:05:42.780	-0.1	19.4		4.55		TAS					m_e
GRA1			PKPab	05:05:49.379		19.4		4.55		TAS					m_e
GUNZ			PKPab	05:05:46.530		19.4		4.55		TAS					m_e
MOX			PKPab	05:05:45.522		19.4		4.55		TAS					m_e
NEUB			PKPab	05:05:42.728	0.2	19.4		4.55		TAS					m_e
ROTZ			PKPab	05:05:48.686		19.4		4.55		TAS					m_e
SCHF			PKPab	05:05:44.048	0.2	19.4		4.55		TAS					m_e
WERN			PKPab	05:05:45.872		19.4		4.55		TAS					m_e

Event 10410008 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
 2011/04/10 05:23:34.94 37.4840 142.7760 33.0 83.22 83.22 m i ke BGR
 10410014

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10410014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.22		P	05:35:56.762		37.7		4.29		TAS		16.4	1.54	m_e mb	5.0

Event 10410007 Sichuan, China

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/04/10 09:02:43.00 31.3600 100.7900 20.0 64.50 69.59 m i ke GSRC
 10410090

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 10410013
 Ms 5.4 BGR 10410013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	64.50		P	09:13:21.564	0.6	68.8		5.95		TAS		13.5	0.80	m_e mb	5.2
BSEG	65.58		P	09:13:26.983	-0.1	68.8		5.95		TAS		24.6	0.84	m_e mb	5.5

CLZ	66.28	P	09:13:31.060	-0.1	68.8	5.95	TAS	18.3	0.89	m_e	mb	5.3
FUR	67.08	P	09:13:36.819		68.8	5.95	TAS	43.0	0.86	m_e	mb	5.7
GEC2	65.32	P	09:13:25.001	-0.1	68.8	5.95	TAS	8.8	0.94	m_e	mb	5.0
GRA1	66.55	L	09:38:58.133				T__	3217.2	21.30	a_e	Ms	5.5
GRA1	66.55	P	09:13:33.096		68.8	5.95	TAS	18.9	0.79	m_e	mb	5.4
IBBN	67.61	P	09:13:39.434		68.8	5.95	TAS	10.7	0.97	m_e	mb	5.0
MOX	65.97	L	09:39:15.589				T__	1783.5	19.50	a_e	Ms	5.3
NRDL	66.20	P	09:13:31.172	0.7	68.8	5.95	TAS	23.6	1.03	m_e	mb	5.4
ROTZ	65.92	P	09:13:29.329	-0.4	68.8	5.95	TAS	18.4	0.83	m_e	mb	5.3
WET	65.73	P	09:13:28.141	0.2	68.8	5.95	TAS	6.5	0.82	m_e	mb	4.9
WLF	69.59	P	09:13:51.099		68.8	5.95	TAS	33.4	1.02	m_e	mb	5.4

Event 10410006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/10	10:33:18.42			-18.9650	-178.0500				33.0					148.46	148.46	m i ke	BGR
OrigID 10410012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.46		PKPbc	10:53:01.149		16.9		2.74		TAS				m_e	

Event 10410005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/10	12:03:05.75			47.0010	152.1730				33.0				11	75.97	79.97	m i ke	BGR
OrigID 10410011																	

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 10410011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.28		P	12:15:00.817		26.1		5.58		TAS		19.5	1.19	m_e	mb 5.1
BFO	79.97		P	12:15:09.409		26.1		5.58		TAS		17.1	1.39	m_e	mb 4.8
BUG	77.40		P	12:14:56.340	0.3	26.1		5.58		TAS		9.6	0.84	m_e	mb 5.0
CLL	75.97		P	12:14:47.247	-0.2	26.1		5.58		TAS		7.3	0.87	m_e	mb 4.8
CLZ	76.23		P	12:14:49.268	0.3	26.1		5.58		TAS		15.4	1.47	m_e	mb 4.9
GEC2	77.95		P	12:14:59.396		26.1		5.58		TAS		6.5	1.33	m_e	mb 4.6
GRA1	77.92		P	12:14:58.923		26.1		5.58		TAS		13.2	0.95	m_e	mb 5.0
MOX	76.96		P	12:14:53.209	0.1	26.1		5.58		TAS		7.3	1.15	m_e	mb 4.7
RJOB	79.21		P	12:15:06.281		26.1		5.58		TAS		6.4	1.08	m_e	mb 4.6
ROTZ	77.57		P	12:14:57.138	-0.8	26.1		5.58		TAS		5.7	1.08	m_e	mb 4.6

WET 77.93 P 12:14:58.585 26.1 5.58 TAS 7.1 1.12 m_e mb 4.7

Event 10410004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/10	16:17:24.18			-22.8100	-179.5540				33.0			15		149.93	151.97	m i ke	BGR
OrigID 10410010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	150.08		PKPbc	16:37:11.522	-0.1	21.4		2.39		TAS					m_e
BRG	150.08		PKPab	16:37:20.832	0.1	22.9		4.38		TAS					m_e
CLL	149.93		PKPbc	16:37:11.081	-0.1	21.4		2.39		TAS					m_e
CLL	149.93		PKPab	16:37:19.930	-0.2	22.9		4.38		TAS					m_e
FBE	150.19		PKPbc	16:37:11.949	0.1	21.4		2.39		TAS					m_e
GEC2	151.97		PKPab	16:37:28.846		22.9		4.38		TAS					m_e
GUNZ	150.97		PKPab	16:37:24.752	-0.1	22.9		4.38		TAS					m_e
HKWD	150.55		PKPbc	16:37:12.654	0.0	21.4		2.39		TAS					m_e
HKWD	150.55		PKPab	16:37:23.089	-0.2	22.9		4.38		TAS					m_e
MOX	150.88		PKPbc	16:37:13.301	0.1	21.4		2.39		TAS					m_e
MOX	150.88		PKPab	16:37:24.087	0.2	22.9		4.38		TAS					m_e
NEUB	150.33		PKPbc	16:37:12.201	0.1	21.4		2.39		TAS					m_e
NKC	151.06		PKPab	16:37:25.340		22.9		4.38		TAS					m_e
PLN	150.90		PKPbc	16:37:13.366		21.4		2.39		TAS					m_e
PLN	150.90		PKPab	16:37:24.283	0.2	22.9		4.38		TAS					m_e
ROHR	151.09		PKPbc	16:37:14.012		21.4		2.39		TAS					m_e
ROHR	151.09		PKPab	16:37:25.458		22.9		4.38		TAS					m_e
SCHD	151.07		PKPbc	16:37:13.941		21.4		2.39		TAS					m_e
SCHD	151.07		PKPab	16:37:25.184		22.9		4.38		TAS					m_e
SCHF	150.66		PKPab	16:37:23.474	-0.1	22.9		4.38		TAS					m_e
TAUT	150.54		PKPbc	16:37:12.705	0.1	21.4		2.39		TAS					m_e
WERD	150.90		PKPab	16:37:24.282	0.3	22.9		4.38		TAS					m_e
WERN	151.03		PKPab	16:37:25.145	-0.3	22.9		4.38		TAS					m_e
WET	151.94		PKPab	16:37:28.885		22.9		4.38		TAS					m_e
WIMM	150.09		PKPbc	16:37:11.522	-0.0	21.4		2.39		TAS					m_e
WIMM	150.09		PKPab	16:37:20.641	-0.3	22.9		4.38		TAS					m_e

Event 10410003 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
2011/04/10	19:23:53.23			39.3860	142.5220				33.0					81.47	81.47	m i ke	BGR
OrigID 10410009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10410009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	81.47		P	19:36:05.834		37.4		4.43		TAS		10.4	0.85	m_e	mb	4.9

Event 10410002 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/10	20:02:18.90		28.2270	140.3720					33.0			14		87.50	92.52	m i ke	BGR
OrigID																	
10410008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10410008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	92.52		P	20:15:24.804		43.1		4.66		TAS		14.1	0.94	m_e	mb	5.4
BRG	88.17		P	20:15:04.948	-0.2	43.1		4.66		TAS		8.4	0.69	m_e	mb	5.2
BSEG	87.50		P	20:15:02.203	0.2	43.1		4.66		TAS		22.2	1.53	m_e	mb	5.1
CLL	88.28		P	20:15:05.231	-0.4	43.1		4.66		TAS		9.5	0.61	m_e	mb	5.3
CLZ	89.02		P	20:15:09.326	0.1	43.1		4.66		TAS		9.1	0.95	m_e	mb	5.0
FUR	91.32		P	20:15:20.130		43.1		4.66		TAS		28.7	0.86	m_e	mb	5.6
GEC2	89.71		P	20:15:12.104	0.1	43.1		4.66		TAS		7.8	0.77	m_e	mb	5.0
GRA1	90.23		P	20:15:15.202	0.3	43.1		4.66		TAS		14.1	0.90	m_e	mb	5.2
IBBN	89.74		P	20:15:12.109	0.4	43.1		4.66		TAS		21.5	0.78	m_e	mb	5.4
MOX	89.36		P	20:15:10.795	-0.3	43.1		4.66		TAS		5.6	1.08	m_e	mb	4.7
RJOB	90.92		P	20:15:18.139		43.1		4.66		TAS		12.5	0.82	m_e	mb	5.3
ROTZ	89.74		P	20:15:12.947	0.2	43.1		4.66		TAS		13.2	1.15	m_e	mb	5.1
STU	91.81		P	20:15:22.088		43.1		4.66		TAS		17.8	1.03	m_e	mb	5.3
WLF	92.42		P	20:15:25.304		43.1		4.66		TAS		15.9	1.17	m_e	mb	5.2

Event 10410001 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
2011/04/10	21:35:53.57		36.5190	141.6810					50.3			21		80.62	85.86	m i ke	BGR
OrigID																	
10410007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10410007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.53		P	21:48:19.288	0.1	38.0		5.16		TAS		14.1	0.93	m_e	mb	5.2

BFO	85.86	P	21:48:25.722	-0.4	38.0	5.16	TAS	34.8	1.05	m_e	mb	5.4
BRG	81.61	P	21:48:04.030	-0.1	38.0	5.16	TAS	21.8	1.10	m_e	mb	5.2
BSEG	80.62	P	21:47:59.010	0.0	38.0	5.16	TAS	33.8	1.16	m_e	mb	5.3
BUG	83.73	P	21:48:14.507	-0.5	38.0	5.16	TAS	14.6	1.02	m_e	mb	5.2
CLL	81.65	P	21:48:03.913	-0.5	38.0	5.16	TAS	37.0	1.03	m_e	mb	5.5
CLZ	82.26	P	21:48:07.727	0.2	38.0	5.16	TAS	31.5	1.16	m_e	mb	5.3
FUR	84.81	P	21:48:20.632	-0.1	38.0	5.16	TAS	37.4	0.92	m_e	mb	5.6
GEC2	83.26	P	21:48:12.425	-0.3	38.0	5.16	TAS	13.0	1.11	m_e	mb	5.1
GRA1	83.62	P	21:48:14.952	0.4	38.0	5.16	TAS	52.8	1.12	m_e	mb	5.7
GTTG	82.64	P	21:48:10.394	0.9	38.0	5.16	TAS	25.9	1.19	m_e	mb	5.3
IBBN	82.85	P	21:48:10.433	-0.1	38.0	5.16	TAS	40.2	1.13	m_e	mb	5.6
MOX	82.72	P	21:48:09.775	-0.1	38.0	5.16	TAS	21.1	1.40	m_e	mb	5.2
NRDL	81.84	P	21:48:05.141	-0.2	38.0	5.16	TAS	15.1	1.21	m_e	mb	5.0
RJOB	84.50	P	21:48:19.299	0.2	38.0	5.16	TAS	22.6	1.05	m_e	mb	5.3
ROTZ	83.17	P	21:48:12.651	0.4	38.0	5.16	TAS	38.1	1.40	m_e	mb	5.4
ROTZ	83.17	pP	21:48:27.205				T__			m_e		
STU	85.16	P	21:48:22.562	0.0	38.0	5.16	TAS	46.3	1.20	m_e	mb	5.6
TANN	82.56	P	21:48:08.856	-0.2	38.0	5.16	TAS	36.2	2.09	m_e	mb	5.2
TNS	84.28	P	21:48:18.175	0.2	38.0	5.16	TAS	23.4	1.54	m_e	mb	5.2
WET	83.38	P	21:48:13.451	0.1	38.0	5.16	TAS	16.6	1.11	a_e	mb	5.2
WLF	85.59	P	21:48:24.657	-0.0	38.0	5.16	TAS	31.0	1.49	m_e	mb	5.2

Event 10411014 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/11	02:01:22.81		0.40	-17.2800	-179.1740				540.5			13	292	144.69	146.82	m i ke	BGR
OrigID 10411020																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	144.88		PKPbc	02:19:58.309	-0.2	18.2		2.83		TAS				m_e	
CLL	144.69		PKPbc	02:19:57.490	-0.4	18.2		2.83		TAS				m_e	
FBE	144.97		PKPbc	02:19:59.207	0.5	18.2		2.83		TAS				m_e	
GEC2	146.82		PKPbc	02:20:03.742		18.2		2.83		TAS				m_e	
GUNZ	145.72		PKPbc	02:20:01.122		18.2		2.83		TAS				m_e	
HKWD	145.30		PKPbc	02:19:59.784	0.2	18.2		2.83		TAS				m_e	
NEUB	145.06		PKPbc	02:19:58.842	-0.1	18.2		2.83		TAS				m_e	
PLN	145.65		PKPbc	02:20:00.757	0.3	18.2		2.83		TAS				m_e	
ROTZ	146.31		PKPbc	02:20:02.589		18.2		2.83		TAS				m_e	
ROTZ	146.31		pPKPbc	02:22:07.305						T__				m_e	
SCHD	145.79		PKPbc	02:20:00.727		18.2		2.83		TAS				m_e	
TAUT	145.27		PKPbc	02:19:59.541	0.0	18.2		2.83		TAS				m_e	
WERD	145.65		PKPbc	02:20:00.636	0.1	18.2		2.83		TAS				m_e	
WIMM	144.80		PKPbc	02:19:58.006	-0.2	18.2		2.83		TAS				m_e	

Event 10411013 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/11	04:51:45.89		0.40	37.2580	140.8630				30.0			11	292	80.64	84.89	m i ke	BGR
OrigID 10411019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10411019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.89		P	05:04:16.927		38.2		5.23		TAS		12.5	0.79	m_e mb	5.2
BFO	84.89		pP	05:04:25.620						T__				m_e	
BRG	80.64		P	05:03:55.350	-0.5	38.2		5.23		TAS		8.4	0.61	m_e mb	4.9
CLL	80.68		P	05:03:55.032	0.2	38.2		5.23		TAS		13.5	0.74	m_e mb	5.1
CLZ	81.29		P	05:03:58.926	-0.1	38.2		5.23		TAS		10.5	0.71	m_e mb	5.0
GEC2	82.29		P	05:04:03.893	-0.6	38.2		5.23		TAS		7.9	0.52	m_e mb	5.1
GRA1	82.66		P	05:04:06.397		38.2		5.23		TAS		14.0	0.83	m_e mb	5.2
IBBN	81.89		P	05:04:01.708	0.5	38.2		5.23		TAS		22.1	0.58	m_e mb	5.5
MOX	81.75		P	05:04:00.794	0.5	38.2		5.23		TAS		5.4	0.63	m_e mb	4.8
RJOB	83.53		P	05:04:10.569		38.2		5.23		TAS		12.6	0.74	m_e mb	5.2
ROTZ	82.20		P	05:04:03.774	0.1	38.2		5.23		TAS		6.8	0.66	m_e mb	4.9
TNS	83.32		P	05:04:09.814		38.2		5.23		TAS		6.1	0.55	m_e mb	5.0

Event 10411001 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
2011/04/11	08:16:16.04			37.6300	141.5400				33.0			31		78.00	84.83	m i ke	BGR
OrigID 10411007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	10411007
MBB	6.9		BGR	10411007
Ms	6.7		BGR	10411007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.50		P	08:28:40.930	0.0	37.6		5.25		TAS		1064.4	1.73	a_e MBB	7.0
ASSE	80.88		P	08:28:27.180	0.0	37.6		5.25		TAS		1546.6	2.12	a_e MBB	6.8
BFO	84.83		P	08:28:47.430	-0.6	37.6		5.25		TAS		1520.8	1.68	a_e MBB	7.1
BRG	80.59		P	08:28:25.580	-0.1	37.6		5.25		TAS		1137.9	1.78	a_e MBB	6.8
BSEG	79.58		P	08:28:20.430	0.2	37.6		5.25		TAS		688.6	1.17	a_e MBB	6.8
BUG	82.69		P	08:28:36.430	-0.2	37.6		5.25		TAS		1029.5	1.82	a_e MBB	7.0
CLL	80.63		P	08:28:25.430	-0.5	37.6		5.25		TAS		1232.4	1.73	a_e MBB	6.8
CLZ	81.22		P	08:28:29.280	0.3	37.6		5.25		TAS		1436.2	1.71	a_e MBB	6.9

FBE	80.79	P	08:28:26.830	0.1	37.6	5.25	TAS	1573.3	1.65	a_e	MBB	6.9
FLT1	80.51	P	08:28:24.630	-0.6	37.6	5.25	TAS	1572.5	1.94	a_e	MBB	6.8
FUR	83.80	P	08:28:42.430	-0.1	37.6	5.25	TAS	1704.1	1.65	a_e	MBB	7.2
GRA1	82.61	L	09:06:23.948				T__	29566.1	20.60	a_e	Ms	6.6
GRA1	82.61	P	08:28:36.630	0.4	37.6	5.25	TAS	2321.9	1.63	a_e	MBB	7.3
GUNZ	81.64	P	08:28:31.230	0.1	37.6	5.25	TAS	1008.9	1.79	a_e	MBB	6.8
HLG	80.23	P	08:28:23.980	0.3	37.6	5.25	TAS	1700.9	2.00	a_e	MBB	6.8
IBBN	81.80	P	08:28:31.980	0.0	37.6	5.25	TAS	767.4	1.21	a_e	MBB	7.0
MANZ	82.02	P	08:28:33.280	0.1	37.6	5.25	TAS	540.8	1.52	a_e	MBB	6.9
MOX	81.70	L	09:09:55.605				T__	35749.0	19.20	a_e	Ms	6.7
MOX	81.70	P	08:28:31.480	-0.0	37.6	5.25	TAS	833.4	1.62	a_e	MBB	6.9
NEUB	81.20	P	08:28:28.580	-0.3	37.6	5.25	TAS	714.2	1.21	a_e	MBB	6.9
NRDL	80.80	P	08:28:26.880	0.1	37.6	5.25	TAS	834.3	1.65	a_e	MBB	6.8
PLN	81.61	P	08:28:31.230	0.2	37.6	5.25	TAS	930.8	1.86	a_e	MBB	6.9
RGN	78.00	P	08:28:11.830	-0.2	37.6	5.25	TAS	1514.6	1.54	a_e	MBB	7.2
RJOB	83.50	P	08:28:41.130	0.2	37.6	5.25	TAS	414.8	1.10	a_e	MBB	7.1
ROTZ	82.15	P	08:28:34.380	0.5	37.6	5.25	TAS	1333.3	1.67	m_e	MBB	7.0
RUE	79.42	P	08:28:19.430	-0.1	37.6	5.25	TAS	1940.8	1.86	a_e	MBB	7.0
STU	84.14	P	08:28:43.980	-0.4	37.6	5.25	TAS	1741.5	1.84	a_e	MBB	7.1
TANN	81.54	P	08:28:30.730	0.0	37.6	5.25	TAS	610.6	1.66	a_e	MBB	6.8
TNS	83.25	P	08:28:39.680	0.1	37.6	5.25	TAS	1020.2	1.95	a_e	MBB	7.0
WERD	81.58	P	08:28:30.880	0.0	37.6	5.25	TAS	596.8	1.64	a_e	MBB	6.8
WERN	81.68	P	08:28:31.530	0.1	37.6	5.25	TAS	607.9	1.32	a_e	MBB	6.8
WET	82.37	P	08:28:35.230	0.2	37.6	5.25	TAS	891.2	1.65	a_e	MBB	6.9
WLF	84.56	P	08:28:46.680	0.2	37.6	5.25	TAS	1675.7	1.69	a_e	MBB	7.2

Event 10411012 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
2011/04/11	08:58:05.06		0.40	36.3090	140.1680				33.0				292	83.19	83.19	m i ke	BGR
10411018																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10411018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.19		P	09:10:26.787		39.8		4.29		TAS		18.6	0.89	m_e mb	5.3

Event 10411011 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
2011/04/11	09:05:23.42		0.40	37.4860	141.5620				33.0				12 292	79.71	84.97	m i ke	BGR
10411017																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10411017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.97		P	09:17:53.333		37.6		5.21		TAS		30.6	1.11	m_e	mb 5.4
BRG	80.73		P	09:17:31.504	-0.3	37.6		5.21		TAS		20.9	1.21	m_e	mb 5.0
BSEG	79.71		P	09:17:26.279		37.6		5.21		TAS		17.8	1.06	m_e	mb 4.9
CLL	80.77		P	09:17:31.639	-0.1	37.6		5.21		TAS		33.6	1.19	m_e	mb 5.2
CLZ	81.36		P	09:17:35.134	0.1	37.6		5.21		TAS		29.3	1.29	m_e	mb 5.2
GEC2	82.39		P	09:17:40.135	0.2	37.6		5.21		TAS		12.1	0.52	m_e	mb 5.3
GRA1	82.74		P	09:17:42.753	-0.2	37.6		5.21		TAS		37.5	1.14	m_e	mb 5.5
IBBN	81.94		P	09:17:38.034		37.6		5.21		TAS		18.8	0.77	m_e	mb 5.3
MOX	81.83		P	09:17:37.355	0.3	37.6		5.21		TAS		10.8	0.93	m_e	mb 5.0
RJOB	83.63		P	09:17:46.986		37.6		5.21		TAS		20.5	1.04	m_e	mb 5.3
ROTZ	82.29		P	09:17:40.095	0.1	37.6		5.21		TAS		9.9	0.71	m_e	mb 5.0
WET	82.50		P	09:17:41.080	0.6	37.6		5.21		TAS		13.9	1.30	m_e	mb 5.0

Event 10411009 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
2011/04/11	11:42:39.42		0.90	37.1770	141.2090				33.0			20	274	79.86	85.10	m i ke	BGR
OrigID 10411015																	

Magnitude Err Nsta Author OrigID
mb 5.9 BGR 10411015
Ms 5.3 BGR 10411015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.78		P	11:55:03.756	0.1	38.0		5.20		TAS		80.2	1.24	m_e	mb 5.8
BFO	85.10		P	11:55:10.270		38.0		5.20		TAS		157.8	1.14	a_e	mb 6.1
BRG	80.85		P	11:54:48.270	-0.3	38.0		5.20		TAS		66.2	1.07	a_e	mb 5.6
BSEG	79.86		P	11:54:43.270	-0.0	38.0		5.20		TAS		125.7	1.20	a_e	mb 5.7
BUG	82.97		P	11:54:59.220	-0.3	38.0		5.20		TAS		66.4	1.19	a_e	mb 5.7
CLL	80.89		P	11:54:48.270	-0.5	38.0		5.20		TAS		140.8	1.03	m_e	mb 5.9
CLZ	81.50		P	11:54:52.120	0.2	38.0		5.20		TAS		173.4	1.17	a_e	mb 6.0
FUR	84.05		P	11:55:05.187	0.0	38.0		5.20		TAS		143.9	0.83	m_e	mb 6.2
GEC2	82.50		P	11:54:56.870	-0.3	38.0		5.20		TAS		55.9	1.23	a_e	mb 5.7
GRA1	82.87		L	12:28:12.358						T__		1176.9	21.10	a_e	Ms 5.2
GRA1	82.87		P	11:54:59.420	0.4	38.0		5.20		TAS		202.5	1.15	a_e	mb 6.2
GTTG	81.89		P	11:54:54.570	0.7	38.0		5.20		TAS		103.7	1.17	a_e	mb 5.8
IBBN	82.09		P	11:54:54.820	-0.1	38.0		5.20		TAS		171.4	1.22	a_e	mb 6.0
MOX	81.96		L	12:33:51.901						T__		1536.9	18.10	a_e	Ms 5.4
MOX	81.96		P	11:54:54.270	-0.0	38.0		5.20		TAS		75.9	1.25	a_e	mb 5.7
NRDL	81.08		P	11:54:49.570	-0.1	38.0		5.20		TAS		64.1	1.15	a_e	mb 5.5
RJOB	83.75		P	11:55:03.720	0.1	38.0		5.20		TAS		70.9	1.01	a_e	mb 5.8

ROTZ	82.41	P	11:54:57.047	0.4	38.0	5.20	TAS	142.4	1.33	m_e mb	5.9
STU	84.41	P	11:55:06.820	-0.2	38.0	5.20	TAS	156.9	1.10	a_e mb	6.2
TANN	81.80	P	11:54:53.393	-0.1	38.0	5.20	TAS	56.4	1.38	m_e mb	5.5
TNS	83.52	P	11:55:02.470	0.1	38.0	5.20	TAS	54.7	1.20	a_e mb	5.7
WET	82.62	P	11:54:57.917	0.2	38.0	5.20	TAS	71.0	1.16	m_e mb	5.8

Event 10411007 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
2011/04/11	13:05:44.37			36.8290	140.4580				33.0					82.86	82.86	m i ke	BGR
OrigID 10411013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10411013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.86		P	13:18:04.372		44.0		4.50		TAS		12.4	0.62	m_e mb	5.3

Event 10411006 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
2011/04/11	15:21:41.56			36.2970	140.2730				33.0				5	81.21	85.49	m i ke	BGR
OrigID 10411012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10411012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.49		P	15:34:14.861		39.1		5.17		TAS		14.5	1.20	m_e mb	5.1
BRG	81.21		P	15:33:53.072	-0.7	39.1		5.17		TAS		9.5	1.17	m_e mb	4.7
CLL	81.27		P	15:33:52.581	0.3	39.1		5.17		TAS		10.9	1.04	m_e mb	4.8
CLZ	81.91		P	15:33:56.841	-0.2	39.1		5.17		TAS		16.4	1.28	m_e mb	5.0
ROTZ	82.78		P	15:34:01.583		39.1		5.17		TAS		18.3	1.59	m_e mb	5.1

Event 10411005 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
2011/04/11	15:58:00.63			37.1770	141.2090				33.0				9	79.86	85.10	m i ke	BGR
OrigID 10411011																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 10411011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.10		P	16:10:31.398		38.0		5.20		TAS		15.2	1.13	m_e	mb 5.1
BRG	80.85		P	16:10:09.361	-0.4	38.0		5.20		TAS		11.8	1.21	m_e	mb 4.8
BSEG	79.86		P	16:10:04.774		38.0		5.20		TAS		12.3	1.20	m_e	mb 4.7
CLL	80.89		P	16:10:09.571	0.2	38.0		5.20		TAS		15.7	1.05	m_e	mb 5.0
CLZ	81.50		P	16:10:13.280		38.0		5.20		TAS		28.6	1.49	m_e	mb 5.1
GRA1	82.87		P	16:10:20.626	0.2	38.0		5.20		TAS		25.4	1.12	m_e	mb 5.4
MOX	81.96		P	16:10:15.350		38.0		5.20		TAS		7.4	1.08	m_e	mb 4.7
RJOB	83.75		P	16:10:25.156	-0.4	38.0		5.20		TAS		14.3	1.17	m_e	mb 5.1
ROTZ	82.41		P	16:10:18.144	-0.2	38.0		5.20		TAS		32.9	1.73	m_e	mb 5.2

Event 10411004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/11	17:53:40.47			38.7400	144.0900				33.0			20		79.47	84.82	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 5.8 BGR 10411010
Ms 5.2 BGR 10411010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.41		P	18:06:04.947	0.2	35.2		5.18		TAS		85.3	1.35	m_e	mb 5.8
BFO	84.82		P	18:06:11.433	-0.7	35.2		5.18		TAS		110.7	1.30	m_e	mb 5.9
BRG	80.64		P	18:05:50.218	-0.3	35.2		5.18		TAS		44.0	1.13	m_e	mb 5.4
BSEG	79.47		P	18:05:44.268	-0.1	35.2		5.18		TAS		237.6	2.06	m_e	mb 5.9
BUG	82.58		P	18:06:00.354	-0.1	35.2		5.18		TAS		45.4	1.18	m_e	mb 5.6
CLL	80.65		P	18:05:49.918	-0.6	35.2		5.18		TAS		63.4	1.09	a_e	mb 5.6
CLZ	81.17		P	18:05:53.318	0.1	35.2		5.18		TAS		91.4	1.39	a_e	mb 5.6
FUR	83.85		P	18:06:07.386	0.2	35.2		5.18		TAS		106.6	1.08	m_e	mb 6.0
GEC2	82.35		P	18:05:59.068	-0.3	35.2		5.18		TAS		160.1	2.36	a_e	mb 5.7
GRA1	82.62		L	18:45:46.897						T__		1136.8	18.20	a_e	Ms 5.3
GRA1	82.62		P	18:06:01.332	0.6	35.2		5.18		TAS		389.6	1.99	m_e	mb 6.3
GTTG	81.56		P	18:05:56.150	0.9	35.2		5.18		TAS		39.9	1.03	m_e	mb 5.5
IBBN	81.69		P	18:05:55.838	0.0	35.2		5.18		TAS		64.4	1.06	m_e	mb 5.7
MOX	81.70		L	18:42:15.498						T__		988.7	19.90	a_e	Ms 5.2
MOX	81.70		P	18:05:55.968	-0.0	35.2		5.18		TAS		38.8	1.20	m_e	mb 5.4
NRDL	80.73		P	18:05:50.718	-0.2	35.2		5.18		TAS		236.1	2.51	a_e	mb 5.8
NRDL	80.73		PP	18:08:54.551						T__				m_e	
RJOB	83.60		P	18:06:05.918	0.1	35.2		5.18		TAS		69.1	1.16	a_e	mb 5.8
ROTZ	82.19		P	18:05:58.918	0.4	35.2		5.18		TAS		305.3	2.35	a_e	mb 6.0
STU	84.14		P	18:06:08.554	-0.1	35.2		5.18		TAS		124.6	1.33	m_e	mb 6.0
TANN	81.57		P	18:05:55.346	0.0	35.2		5.18		TAS		339.8	3.20	m_e	mb 5.9

WET	82.43	P	18:06:00.018	0.2	35.2	5.18	TAS	67.9	1.40	a_e	mb	5.6
WLF	84.47	P	18:06:10.111	-0.1	35.2	5.18	TAS	150.2	1.57	m_e	mb	6.0

Event 10411003 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
2011/04/11	22:26:24.94			37.4330	138.8500				33.0			15		78.76	83.94	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10411009
Ms	5.2		BGR	10411009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	83.94		P	22:38:49.772		39.5		5.29		TAS		47.1	1.39	m_e	mb	5.5
BRG	79.65		P	22:38:27.483	-0.4	39.5		5.29		TAS		56.0	1.76	m_e	mb	5.2
BSEG	78.76		P	22:38:22.777	-0.3	39.5		5.29		TAS		50.7	1.53	m_e	mb	5.3
CLL	79.72		P	22:38:27.624	-0.6	39.5		5.29		TAS		39.4	1.29	m_e	mb	5.2
CLZ	80.36		P	22:38:32.004	0.4	39.5		5.29		TAS		47.0	1.39	m_e	mb	5.2
FUR	82.84		P	22:38:45.022		39.5		5.29		TAS		60.4	1.29	m_e	mb	5.7
GEC2	81.28		P	22:38:36.549	0.0	39.5		5.29		TAS		49.6	2.19	m_e	mb	5.2
GRA1	81.69		L	23:25:55.381						T__		978.7	18.90	a_e	Ms	5.2
GRA1	81.69		P	22:38:38.764	0.2	39.5		5.29		TAS		96.5	1.50	m_e	mb	5.7
GTTG	80.75		P	22:38:34.302	0.6	39.5		5.29		TAS		41.2	1.55	m_e	mb	5.2
IBBN	81.00		P	22:38:35.020	0.1	39.5		5.29		TAS		102.3	1.84	m_e	mb	5.5
MOX	80.79		L	23:19:03.713						T__		983.7	18.30	a_e	Ms	5.2
MOX	80.79		P	22:38:34.084	0.1	39.5		5.29		TAS		33.6	1.54	m_e	mb	5.1
NRDL	79.96		P	22:38:29.543	0.1	39.5		5.29		TAS		23.0	1.50	m_e	mb	4.9
RJOB	82.51		P	22:38:43.242	-0.8	39.5		5.29		TAS		32.2	1.33	m_e	mb	5.4
ROTZ	81.22		P	22:38:36.433	0.2	39.5		5.29		TAS		75.4	1.72	m_e	mb	5.4
TANN	80.62		P	22:38:33.219	0.2	39.5		5.29		TAS		36.0	1.77	m_e	mb	5.1

Event 10411002 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
2011/04/11	23:08:23.42			35.7220	140.2630				33.0			19		80.80	85.99	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10411008
Ms	6.7		BGR	10411008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	84.71	P	23:20:52.530	0.3	39.4	5.13	TAS	155.3	1.13	m_e	mb	6.1
BFO	85.99	P	23:20:58.605		39.4	5.13	TAS	164.9	1.08	m_e	mb	6.1
BRG	81.70	P	23:20:36.693	-0.2	39.4	5.13	TAS	81.5	1.12	m_e	mb	5.8
BSEG	80.80	P	23:20:32.214	0.1	39.4	5.13	TAS	214.9	1.10	m_e	mb	6.1
BUG	83.91	P	23:20:47.916	-0.2	39.4	5.13	TAS	80.4	1.32	m_e	mb	5.8
CLL	81.76	P	23:20:36.499	-0.7	39.4	5.13	TAS	191.2	1.10	m_e	mb	6.1
CLZ	82.41	P	23:20:40.680	0.2	39.4	5.13	TAS	193.6	1.09	m_e	mb	6.1
GEC2	83.33	P	23:20:45.107	-0.1	39.4	5.13	TAS	66.6	1.11	m_e	mb	5.8
GRA1	83.73	L	23:58:32.610				T__	25752.6	19.00	a_e	Ms	6.6
GRA1	83.73	P	23:20:47.945	0.7	39.4	5.13	TAS	280.7	1.14	m_e	mb	6.4
GTTG	82.80	P	23:20:43.380	0.9	39.4	5.13	TAS	95.1	1.19	m_e	mb	5.9
IBBN	83.04	P	23:20:43.666	0.0	39.4	5.13	TAS	259.2	1.13	m_e	mb	6.4
MOX	82.84	L	23:59:17.297				T__	29073.2	18.20	a_e	Ms	6.7
MOX	82.84	P	23:20:42.529	-0.2	39.4	5.13	TAS	68.0	1.15	m_e	mb	5.8
NRDL	82.00	P	23:20:38.347	-0.0	39.4	5.13	TAS	70.5	1.10	m_e	mb	5.7
RJOB	84.56	P	23:20:51.877	0.3	39.4	5.13	TAS	78.6	1.06	m_e	mb	5.9
ROTZ	83.27	P	23:20:44.612	-0.3	39.4	5.13	TAS	145.2	1.38	m_e	mb	6.0
STU	85.29	P	23:20:54.838	-0.4	39.4	5.13	TAS	177.1	1.15	m_e	mb	6.2
TANN	82.67	P	23:20:41.093	-0.7	39.4	5.13	TAS	54.6	1.20	m_e	mb	5.7
WET	83.46	P	23:20:46.632	0.8	39.4	5.13	TAS	81.5	1.16	m_e	mb	5.8
WLF	85.77	P	23:20:57.290	-0.2	39.4	5.13	TAS	193.9	1.44	m_e	mb	6.0

Event 10412005 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/11	23:48:18.99		12.22	37.0890	140.6990				33.0			8	316	79.75	84.98	m i ke	BGR
OrigID 10412011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10412011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	84.98	P		00:00:50.154		38.4		5.21		TAS		10.5	1.04	m_e	mb	5.0
BRG	80.71	P		00:00:28.086	0.2	38.4		5.21		TAS		5.3	1.03	m_e	mb	4.5
BSEG	79.75	P		00:00:22.894	-0.1	38.4		5.21		TAS		9.0	1.04	m_e	mb	4.6
CLL	80.76	P		00:00:27.897	0.1	38.4		5.21		TAS		9.8	1.03	m_e	mb	4.8
CLZ	81.38	P		00:00:31.728	0.5	38.4		5.21		TAS		8.8	1.09	m_e	mb	4.7
FUR	83.91	P		00:00:44.613		38.4		5.21		TAS		16.1	0.80	m_e	mb	5.3
GRA1	82.74	P		00:00:38.327		38.4		5.21		TAS		9.4	0.94	m_e	mb	5.0
ROTZ	82.28	P		00:00:36.681		38.4		5.21		TAS		10.4	1.48	m_e	mb	4.7

Event 10412004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/04/12 01:08:58.66 12.22 39.7900 143.3500 33.0 316 81.43 81.43 m i ke BGR
 10412010

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 10412010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.43		P	01:21:11.052		36.0		4.35		TAS		19.5	1.50	m_e	mb 4.9

Event 10412003 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
2011/04/12	05:07:42.89		0.33	37.2300	141.4590				16.7			20	230	79.90	85.15	m i ke	BGR

OrigID
 10412009

Magnitude Err Nsta Author OrigID
 mb 5.8 BGR 10412009
 Ms 6.0 BGR 10412009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.82		P	05:20:09.779	0.0	37.8		5.20		TAS		47.0	1.30	a_e	mb 5.6
BFO	85.15		S	05:30:41.609						T__				m_e	
BFO	85.15		P	05:20:16.329	-0.4	37.8		5.20		TAS		78.7	0.93	a_e	mb 5.9
BRG	80.90		S	05:30:01.063						T__				m_e	
BRG	80.90		P	05:19:54.429	-0.2	37.8		5.20		TAS		45.2	0.93	a_e	mb 5.5
BSEG	79.90		S	05:29:50.720						T__				m_e	
BSEG	79.90		P	05:19:49.329	-0.0	37.8		5.20		TAS		70.5	1.02	m_e	mb 5.5
BUG	83.01		P	05:20:05.279	-0.3	37.8		5.20		TAS		40.2	1.07	a_e	mb 5.6
CLL	80.95		S	05:29:59.290						T__				m_e	
CLL	80.95		P	05:19:54.329	-0.6	37.8		5.20		TAS		75.3	0.91	a_e	mb 5.7
CLZ	81.55		S	05:30:06.382						T__				m_e	
CLZ	81.55		P	05:19:58.129	0.2	37.8		5.20		TAS		73.8	1.13	a_e	mb 5.7
FUR	84.11		P	05:20:11.279	-0.0	37.8		5.20		TAS		137.6	1.06	a_e	mb 6.1
GEC2	82.57		P	05:20:02.979	-0.3	37.8		5.20		TAS				a_e	
GRA1	82.92		S	05:30:22.339						T__				m_e	
GRA1	82.92		L	06:03:53.572						T__		7604.9	18.40	a_e	Ms 6.1
GRA1	82.92		P	05:20:05.529	0.4	37.8		5.20		TAS		108.5	0.99	a_e	mb 6.0
GTTG	81.93		P	05:20:00.629	0.6	37.8		5.20		TAS		57.0	1.06	a_e	mb 5.6
IBBN	82.13		P	05:20:00.879	-0.1	37.8		5.20		TAS		71.5	0.86	a_e	mb 5.8
MOX	82.01		L	06:03:06.378						T__		5492.3	18.60	a_e	Ms 5.9
MOX	82.01		P	05:20:00.379	-0.0	37.8		5.20		TAS		36.6	0.63	a_e	mb 5.7
MOX	82.01		pP	05:20:05.203						T__				m_e	
NRDL	81.13		P	05:19:55.679	-0.1	37.8		5.20		TAS		41.5	1.23	a_e	mb 5.3
RJOB	83.81		S	05:30:31.861						T__				m_e	
RJOB	83.81		P	05:20:09.929	0.2	37.8		5.20		TAS		57.4	1.05	a_e	mb 5.7

ROTZ	82.47	S	05:30:18.912							T__						m_e	
ROTZ	82.47	P	05:20:03.279	0.5	37.8		5.20			TAS	210.8	1.93	a_e	mb		5.9	
STU	84.46	S	05:30:36.889							T__						m_e	
STU	84.46	P	05:20:12.879	-0.2	37.8		5.20			TAS	78.5	0.80	a_e	mb		6.0	
TANN	81.86	P	05:19:59.629	0.0	37.8		5.20			TAS	219.4	2.30	a_e	mb		5.9	
WET	82.68	S	05:30:19.975							T__						m_e	
WET	82.68	P	05:20:04.079	0.2	37.8		5.20			TAS	189.6	2.24	a_e	mb		5.9	
WLF	84.88	S	05:30:39.415							T__						m_e	
WLF	84.88	P	05:20:15.479	0.2	37.8		5.20			TAS	523.4	2.36	a_e	mb		6.3	

Event 10412002 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
2011/04/12	19:37:49.83		0.40	39.7130	142.8560				47.0			20	292	78.18	83.51	m i ke	BGR
OrigID 10412008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10412008
Ms	5.3		BGR	10412008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.11		P	19:50:03.744	-0.1	35.6		5.34		TAS		41.6	1.34	a_e	mb 5.4
BFO	83.51		P	19:50:11.044	-0.3	35.6		5.34		TAS		183.9	2.24	m_e	mb 5.9
BRG	79.32		P	19:49:48.744	-0.3	35.6		5.34		TAS		50.8	1.79	a_e	mb 5.3
BSEG	78.18		P	19:49:42.844	-0.0	35.6		5.34		TAS		277.2	2.43	m_e	mb 6.0
BUG	81.29		P	19:49:59.194	-0.3	35.6		5.34		TAS		195.2	2.45	a_e	mb 5.7
CLL	79.33		P	19:49:48.494	-0.6	35.6		5.34		TAS		139.3	2.31	a_e	mb 5.6
CLZ	79.87		P	19:49:52.094	0.2	35.6		5.34		TAS		88.0	1.74	a_e	mb 5.4
FUR	82.53		P	19:50:06.194	0.0	35.6		5.34		TAS		234.0	2.06	a_e	mb 6.1
GEC2	81.02		P	19:49:57.894	-0.2	35.6		5.34		TAS		34.2	1.72	a_e	mb 5.1
GRA1	81.31		L	20:32:30.818						T__		1160.6	19.60	a_e	Ms 5.2
GRA1	81.31		P	19:49:59.944	0.3	35.6		5.34		TAS		264.5	2.29	a_e	mb 5.9
GTTG	80.26		P	19:49:54.594	0.6	35.6		5.34		TAS		130.3	2.10	a_e	mb 5.5
IBBN	80.40		P	19:49:54.644	-0.0	35.6		5.34		TAS		224.2	2.40	a_e	mb 5.7
MOX	80.39		L	20:30:45.988						T__		1277.4	20.50	a_e	Ms 5.3
MOX	80.39		P	19:49:54.644	-0.1	35.6		5.34		TAS		57.3	1.71	a_e	mb 5.2
MOX	80.39		pP	19:50:08.222						T__					m_e
NRDL	79.43		P	19:49:49.594	0.0	35.6		5.34		TAS		161.7	2.39	a_e	mb 5.6
RJOB	82.27		P	19:50:04.944	0.2	35.6		5.34		TAS		153.1	2.10	a_e	mb 5.8
ROTZ	80.87		P	19:49:57.744	0.4	35.6		5.34		TAS		96.6	1.95	a_e	mb 5.5
STU	82.83		P	19:50:07.444	-0.3	35.6		5.34		TAS		39.9	1.18	a_e	mb 5.5
TANN	80.25		P	19:49:54.044	0.0	35.6		5.34		TAS		40.4	1.97	a_e	mb 5.0
WET	81.11		P	19:49:58.794	0.2	35.6		5.34		TAS		100.7	2.22	a_e	mb 5.5
WLF	83.17		P	19:50:09.744	0.2	35.6		5.34		TAS		103.0	2.26	a_e	mb 5.7

Event 10412001 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/12	23:36:31.09		0.40	37.0740	140.4220				23.1			18	292	79.66	84.88	m i ke	BGR
OrigID 10412007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10412007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.58		P	23:48:57.272	-0.1	38.6		5.23		TAS		52.5	1.39	m_e	mb	5.6
BFO	84.88		P	23:49:03.048		38.6		5.23		TAS		58.2	1.32	m_e	mb	5.6
BFO	84.88		pP	23:49:09.748						T__				m_e		
BRG	80.61		P	23:48:41.200	-0.2	38.6		5.23		TAS		22.7	1.38	m_e	mb	5.0
BSEG	79.66		P	23:48:36.374	-0.0	38.6		5.23		TAS		54.3	1.29	m_e	mb	5.3
BUG	82.78		P	23:48:52.473	0.4	38.6		5.23		TAS		31.0	1.21	m_e	mb	5.4
CLL	80.67		P	23:48:41.296	-0.4	38.6		5.23		TAS		59.7	1.42	a_e	mb	5.4
CLZ	81.29		P	23:48:45.096	0.6	38.6		5.23		TAS		50.9	1.28	m_e	mb	5.4
FUR	83.81		P	23:48:57.998	0.4	38.6		5.23		TAS		42.8	1.17	m_e	mb	5.6
GEC2	82.26		P	23:48:49.863	0.3	38.6		5.23		TAS		26.0	1.39	m_e	mb	5.2
GRA1	82.64		P	23:48:52.291	0.1	38.6		5.23		TAS		100.5	1.38	m_e	mb	5.9
IBBN	81.90		P	23:48:48.376		38.6		5.23		TAS				m_e		
MOX	81.74		P	23:48:47.246	0.5	38.6		5.23		TAS		23.8	1.29	a_e	mb	5.2
RJOB	83.50		P	23:48:56.571	-0.2	38.6		5.23		TAS		30.6	1.34	m_e	mb	5.4
ROTZ	82.18		P	23:48:50.096	0.1	38.6		5.23		TAS		57.7	1.41	a_e	mb	5.5
STU	84.18		P	23:49:00.031	-0.7	38.6		5.23		TAS		64.6	1.30	m_e	mb	5.7
TANN	81.57		P	23:48:47.010	-0.1	38.6		5.23		TAS		18.3	1.38	m_e	mb	5.0
WET	82.38		P	23:48:50.828	-0.2	38.6		5.23		TAS		23.8	1.24	m_e	mb	5.2
WLF	84.64		P	23:49:02.824		38.6		5.23		TAS		68.1	1.40	m_e	mb	5.7

Event 10413008 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
2011/04/13	01:07:59.25		0.20	36.7760	141.7840				28.8			15	137	80.42	85.67	m i ke	BGR
OrigID 10413014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10413014
Ms	5.3		BGR	10413014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.67		P	01:20:34.013		37.8		5.17		TAS		138.2	1.68	m_e	mb	5.8
BRG	81.43		P	01:20:12.316	-0.3	37.8		5.17		TAS		221.0	2.31	m_e	mb	5.8
BSEG	80.42		P	01:20:07.380	0.1	37.8		5.17		TAS		206.1	1.99	m_e	mb	5.7

CLL	81.47	P	01:20:12.293	-0.5	37.8	5.17	TAS	262.0	2.34	m_e	mb	5.8
CLZ	82.07	P	01:20:16.010	0.1	37.8	5.17	TAS	105.2	1.55	m_e	mb	5.7
FUR	84.63	P	01:20:29.212		37.8	5.17	TAS	42.1	0.91	m_e	mb	5.7
GRA1	83.44	L	02:03:37.952				T__	1039.2	20.70	a_e	Ms	5.2
GRA1	83.44	P	01:20:23.371	0.0	37.8	5.17	TAS	284.5	1.87	m_e	mb	6.2
IBBN	82.65	P	01:20:18.931	0.5	37.8	5.17	TAS	71.0	1.39	m_e	mb	5.7
MOX	82.53	L	01:59:10.027				T__	1304.4	19.00	a_e	Ms	5.3
MOX	82.53	P	01:20:18.501	0.1	37.8	5.17	TAS	86.2	1.73	m_e	mb	5.7
NRDL	81.65	P	01:20:13.675	-0.0	37.8	5.17	TAS	127.7	2.06	m_e	mb	5.7
RJOB	84.33	P	01:20:27.696	-0.6	37.8	5.17	TAS	196.4	2.14	a_e	mb	6.0
ROTZ	82.99	P	01:20:21.173	0.1	37.8	5.17	TAS	123.1	1.66	m_e	mb	5.9
TANN	82.38	P	01:20:17.346	-0.2	37.8	5.17	TAS	96.6	2.00	m_e	mb	5.6
TANN	82.38	pP	01:20:25.698				T__			m_e		
WET	83.20	P	01:20:21.920	0.1	37.8	5.17	TAS	117.5	1.90	m_e	mb	5.8
WLF	85.40	P	01:20:33.175		37.8	5.17	TAS	209.8	1.93	m_e	mb	6.0

Event 10413006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/13	12:51:25.07			-18.0200	175.6900				33.0			10		145.00	146.02	m i ke	BGR
10413012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	145.96		PKPbc	13:11:00.767		30.4		3.49		TAS				m_e	
GRA1	146.02		PKPbc	13:11:01.197		30.4		3.49		TAS				m_e	
GUNZ	145.09		PKPbc	13:10:58.109		30.4		3.49		TAS				m_e	
NKC	145.17		PKPbc	13:10:58.300		30.4		3.49		TAS				m_e	
ROHR	145.21		PKPbc	13:10:58.576		30.4		3.49		TAS				m_e	
ROTZ	145.65		PKPbc	13:11:00.112		30.4		3.49		TAS				m_e	
TANN	145.00		PKPbc	13:10:57.636		30.4		3.49		TAS				m_e	
TRIB	145.16		PKPbc	13:10:58.020		30.4		3.49		TAS				m_e	
WERD	145.02		PKPbc	13:10:57.465	-0.1	30.4		3.49		TAS				m_e	
WERN	145.14		PKPbc	13:10:58.338		30.4		3.49		TAS				m_e	

Event 10413005 Mongolia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/13	19:54:18.77			44.9300	98.6700				33.0			15		54.13	58.58	m i ke	BGR
10413011																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 10413011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	58.04		P	20:04:08.411		59.3		7.12		TAS		14.0	0.76	m_e	mb 5.1
BFO	58.58		P	20:04:11.214		59.3		7.12		TAS		8.5	0.89	m_e	mb 4.8
BRG	54.13		P	20:03:39.844	-0.6	59.3		7.12		TAS		12.3	1.11	m_e	mb 4.8
BSEG	54.57		P	20:03:43.563	0.3	59.3		7.12		TAS		20.1	0.68	m_e	mb 5.3
CLL	54.44		P	20:03:41.850	-0.8	59.3		7.12		TAS		14.7	0.58	m_e	mb 5.2
CLZ	55.59		P	20:03:50.924	0.7	59.3		7.12		TAS		21.9	1.30	m_e	mb 5.0
GRA1	56.24		P	20:03:55.797	0.8	59.3		7.12		TAS		29.3	1.03	m_e	mb 5.3
GTTG	55.96		P	20:03:54.195	0.4	59.3		7.12		TAS		38.5	1.17	m_e	mb 5.3
IBBN	56.73		P	20:03:58.498	0.1	59.3		7.12		TAS		19.6	0.64	m_e	mb 5.3
MOX	55.53		P	20:03:50.196	0.2	59.3		7.12		TAS		10.1	0.90	m_e	mb 4.8
NRDL	55.40		P	20:03:49.682	-0.2	59.3		7.12		TAS		48.6	1.71	m_e	mb 5.3
RJOB	56.37		P	20:03:56.814	-0.3	59.3		7.12		TAS		12.2	0.98	m_e	mb 4.9
ROTZ	55.65		P	20:03:51.333	0.1	59.3		7.12		TAS		8.0	0.86	m_e	mb 4.8
TANN	55.18		P	20:03:47.845	-0.1	59.3		7.12		TAS		14.4	1.41	m_e	mb 4.8
WET	55.59		P	20:03:50.883	0.1	59.3		7.12		TAS		9.4	0.85	m_e	mb 4.8

Event 10413009 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/13	19:57:29.63		0.20	40.0840	144.0600				33.0			16	137	78.25	83.63	m i ke	BGR
OrigID 10413015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10413015
MBB	6.4		BGR	10413015
Ms	6.5		BGR	10413015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.19		S	20:20:00.448		33.2		10.46		TAS				m_e	
AHRW	82.19		P	20:09:45.603	-0.0	34.6		5.31		TAS		70.8	1.12	a_e	MBB 6.3
BFO	83.63		S	20:20:15.798		33.2		10.46		TAS				m_e	
BFO	83.63		P	20:09:53.003	-0.3	34.6		5.31		TAS		114.5	1.36	a_e	MBB 6.5
BRG	79.46		S	20:19:32.191	0.4	33.2		10.46		TAS				m_e	
BRG	79.46		P	20:09:30.903	-0.3	34.6		5.31		TAS		74.5	1.12	a_e	MBB 6.3
BSEG	78.25		S	20:19:20.674	1.4	33.2		10.46		TAS				m_e	
BSEG	78.25		P	20:09:24.703	-0.0	34.6		5.31		TAS		143.6	1.10	m_e	MBB 6.6
BUG	81.36		S	20:19:51.752		33.2		10.46		TAS				m_e	
BUG	81.36		P	20:09:41.003	-0.2	34.6		5.31		TAS		94.7	1.17	a_e	MBB 6.3
CLL	79.46		S	20:19:32.034	-0.9	33.2		10.46		TAS				m_e	
CLL	79.46		P	20:09:30.603	-0.6	34.6		5.31		TAS		117.5	1.06	a_e	MBB 6.3
CLZ	79.97		S	20:19:37.725	0.7	33.2		10.46		TAS				m_e	
CLZ	79.97		P	20:09:34.103	0.2	34.6		5.31		TAS		141.9	1.14	a_e	MBB 6.3
FUR	82.67		P	20:09:48.253	-0.0	34.6		5.31		TAS		119.7	1.06	a_e	MBB 6.7

GEC2	81.18	S	20:19:51.487		33.2	10.46	TAS										m_e	
GEC2	81.18	P	20:09:40.103	-0.2	34.6	5.31	TAS		52.5	1.16	a_e	MBB						6.2
GRA1	81.44	S	20:19:54.095		33.2	10.46	TAS										m_e	
GRA1	81.44	L	20:44:37.891				T__		23328.5	18.60	a_e	Ms						6.6
GRA1	81.44	P	20:09:42.053	0.4	34.6	5.31	TAS		180.2	1.11	m_e	mb						6.0
GTTG	80.35	S	20:19:40.768	-0.3	33.2	10.46	TAS										m_e	
GTTG	80.35	P	20:09:36.503	0.6	34.6	5.31	TAS		90.6	1.08	a_e	MBB						6.1
IBBN	80.47	S	20:19:41.827		33.2	10.46	TAS										m_e	
IBBN	80.47	P	20:09:36.453	0.0	34.6	5.31	TAS		142.0	1.10	a_e	MBB						6.3
MOX	80.51	S	20:19:42.649		33.2	10.46	TAS										m_e	
MOX	80.51	L	20:44:12.010				T__		21867.4	19.50	a_e	Ms						6.5
MOX	80.51	P	20:09:36.653	-0.1	34.6	5.31	TAS		73.5	1.16	a_e	MBB						6.3
NRDL	79.52	S	20:19:33.118	0.2	33.2	10.46	TAS										m_e	
NRDL	79.52	P	20:09:31.403	-0.1	34.6	5.31	TAS		73.3	1.18	m_e	MBB						6.2
RJOB	82.44	S	20:20:04.838		33.2	10.46	TAS										m_e	
RJOB	82.44	P	20:09:47.253	0.3	34.6	5.31	TAS		102.3	1.16	a_e	MBB						6.5
ROTZ	81.01	P	20:09:39.853	0.4	34.6	5.31	TAS		99.6	1.20	a_e	MBB						6.3
STU	82.94	P	20:09:49.353	-0.3	34.6	5.31	TAS		93.4	1.03	a_e	MBB						6.5
TANN	80.38	S	20:19:41.562		33.2	10.46	TAS										m_e	
TANN	80.38	P	20:09:36.103	-0.0	34.6	5.31	TAS		50.7	1.26	a_e	MBB						6.1
WET	81.26	S	20:19:53.239		33.2	10.46	TAS										m_e	
WET	81.26	P	20:09:41.003	0.2	34.6	5.31	TAS		99.5	1.23	a_e	MBB						6.3
WLF	83.25	P	20:09:51.346	0.1	34.6	5.31	TAS		201.3	2.08	m_e	MBB						6.5

Event 10413004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/13	20:32:20.45			39.6800	143.9100				21.5			19		78.57	83.93	m i ke	BGR
10413010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10413010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.50		P	20:44:41.925	0.1	34.9		5.29		TAS		74.4	1.01	a_e	mb 5.9
BFO	83.93		P	20:44:49.010		34.9		5.29		TAS		212.6	1.70	m_e	mb 6.1
BRG	79.75		P	20:44:27.055	-0.3	34.9		5.29		TAS		73.2	1.07	m_e	mb 5.5
BSEG	78.57		P	20:44:21.025	-0.0	34.9		5.29		TAS		157.4	1.03	a_e	mb 6.0
BUG	81.67		P	20:44:37.325	-0.1	34.9		5.29		TAS		113.2	1.19	a_e	mb 5.9
CLL	79.76		P	20:44:26.875	-0.5	34.9		5.29		TAS		130.3	1.01	a_e	mb 5.8
CLZ	80.27		P	20:44:30.375	0.3	34.9		5.29		TAS		175.2	1.16	a_e	mb 5.9
FUR	82.97		P	20:44:44.475	0.1	34.9		5.29		TAS		128.8	0.92	a_e	mb 6.1
GEC2	81.47		P	20:44:36.275	-0.2	34.9		5.29		TAS		53.0	1.11	a_e	mb 5.5
GRA1	81.73		P	20:44:38.275	0.4	34.9		5.29		TAS		206.7	1.03	a_e	mb 6.2
GTTG	80.66		P	20:44:32.825	0.7	34.9		5.29		TAS		116.8	1.10	m_e	mb 5.8
IBBN	80.78		P	20:44:32.675	-0.1	34.9		5.29		TAS		154.7	1.09	a_e	mb 6.0

MOX	80.81	P	20:44:32.925	-0.1	34.9	5.29	TAS	74.0	1.12	a_e mb	5.6
NRDL	79.83	P	20:44:27.675	-0.1	34.9	5.29	TAS	57.7	1.06	a_e mb	5.4
RJOB	82.72	P	20:44:43.359	0.3	34.9	5.29	TAS	100.9	1.11	m_e mb	6.0
ROTZ	81.30	P	20:44:35.929	0.3	34.9	5.29	TAS	136.8	1.42	m_e mb	5.8
STU	83.24	P	20:44:45.625	-0.2	34.9	5.29	TAS	105.4	0.95	m_e mb	6.0
STU	83.24	pP	20:44:51.836				T__			m_e	
TANN	80.68	P	20:44:32.112	-0.2	34.9	5.29	TAS	48.5	1.20	m_e mb	5.4
WET	81.55	P	20:44:37.163	0.2	34.9	5.29	TAS	100.2	1.14	m_e mb	5.8

Event 10413003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/13	21:21:56.23			40.0790	143.1880				33.0					81.12	81.12	m i ke	BGR
OrigID 10413009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10413009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.12		P	21:34:06.967		35.2		4.26		TAS		8.9	1.01	m_e mb	4.7

Event 10413002 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
2011/04/13	21:36:58.07			39.0120	142.6520				33.0					81.84	81.84	m i ke	BGR
OrigID 10413008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10413008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.84		P	21:49:12.657		37.1		4.44		TAS		40.8	1.67	m_e mb	5.3

Event 10413001 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/13	22:36:01.01			37.7260	140.2280				28.5				12	79.01	84.24	m i ke	BGR
OrigID 10413007																	

Magnitude	Err	Nsta	Author	OrigID
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mb 5.2 BGR 10413007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.24		P	22:48:28.319		38.4		5.28		TAS		28.4	0.94	m_e	mb 5.5
BRG	79.98		P	22:48:06.473		38.4		5.28		TAS		10.7	0.80	m_e	mb 4.8
BSEG	79.01		P	22:48:01.281	0.3	38.4		5.28		TAS		19.1	0.90	m_e	mb 5.1
BSEG	79.01		pP	22:48:09.514						T__				m_e	
CLL	80.03		P	22:48:06.262	-0.5	38.4		5.28		TAS		25.7	0.82	m_e	mb 5.2
CLZ	80.64		P	22:48:09.123	0.3	38.4		5.28		TAS		23.3	1.05	m_e	mb 5.1
FUR	83.17		P	22:48:23.102		38.4		5.28		TAS		45.5	0.73	m_e	mb 5.8
GEC2	81.63		P	22:48:14.913		38.4		5.28		TAS		8.2	0.81	m_e	mb 4.9
GRA1	82.00		P	22:48:17.392		38.4		5.28		TAS		26.9	0.80	m_e	mb 5.4
IBBN	81.25		P	22:48:13.051	0.3	38.4		5.28		TAS		32.4	0.95	m_e	mb 5.3
MOX	81.09		P	22:48:12.149	0.6	38.4		5.28		TAS		8.3	0.95	m_e	mb 4.7
RJOB	82.86		P	22:48:21.748		38.4		5.28		TAS		14.4	0.79	m_e	mb 5.3
ROTZ	81.54		P	22:48:13.647	0.1	38.4		5.28		TAS		12.7	0.94	m_e	mb 5.0
STU	83.54		P	22:48:25.075		38.4		5.28		TAS		29.4	0.81	m_e	mb 5.6
WET	81.74		P	22:48:15.640	-0.3	38.4		5.28		TAS		14.5	1.27	m_e	mb 5.0

Event 10414007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/14	01:33:21.92		0.44	39.0910	143.6740				33.0				289	82.16	82.16	m i ke	BGR
OrigID 10414013																	

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 10414013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.16		P	01:45:38.184		35.1		4.38		TAS		21.6	1.22	m_e	mb 5.1

Event 10414006 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	
2011/04/14	03:09:03.57		0.44	37.3870	141.3450				33.0				20	289	79.72	84.97	m i ke	BGR
OrigID 10414012																		

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 10414012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.64		P	03:21:27.107	-0.0	37.8		5.21		TAS		47.0	1.13	a_e	mb 5.6
BFO	84.97		P	03:21:33.707	-0.4	37.8		5.21		TAS		100.3	1.07	a_e	mb 6.0

Station	Mag	Type	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
BRG	80.72	P	03:21:11.757	-0.2	37.8			5.21		TAS	46.0	0.97	a_e	mb				5.5	
BSEG	79.72	P	03:21:06.707	0.0	37.8			5.21		TAS	63.5	1.01	a_e	mb				5.5	
BUG	82.83	P	03:21:22.607	-0.3	37.8			5.21		TAS	30.1	0.97	a_e	mb				5.5	
CLL	80.76	P	03:21:11.707	-0.5	37.8			5.21		TAS	83.2	0.92	a_e	mb				5.8	
CLZ	81.36	P	03:21:15.557	0.2	37.8			5.21		TAS	83.4	1.20	a_e	mb				5.6	
FUR	83.93	P	03:21:28.657	-0.0	37.8			5.21		TAS	123.7	0.83	a_e	mb				6.2	
GEC2	82.38	P	03:21:20.357	-0.3	37.8			5.21		TAS	38.4	1.22	a_e	mb				5.4	
GRA1	82.74	P	03:21:22.907	0.4	37.8			5.21		TAS	126.3	1.06	a_e	mb				6.1	
GTTG	81.75	P	03:21:17.907	0.6	37.8			5.21		TAS	51.4	1.05	a_e	mb				5.6	
IBBN	81.95	P	03:21:18.257	-0.1	37.8			5.21		TAS	80.6	0.98	a_e	mb				5.8	
MOX	81.83	P	03:21:17.707	-0.1	37.8			5.21		TAS	63.2	1.46	m_e	mb				5.5	
NRDL	80.94	P	03:21:13.007	-0.1	37.8			5.21		TAS	29.9	1.04	a_e	mb				5.3	
RJOB	83.63	P	03:21:27.257	0.1	37.8			5.21		TAS	60.9	1.00	a_e	mb				5.8	
ROTZ	82.28	P	03:21:20.657	0.5	37.8			5.21		TAS	100.3	1.48	a_e	mb				5.7	
STU	84.28	P	03:21:30.307	-0.2	37.8			5.21		TAS	91.9	1.00	a_e	mb				6.0	
TANN	81.68	P	03:21:16.957	-0.0	37.8			5.21		TAS	51.4	1.66	a_e	mb				5.4	
WET	82.50	P	03:21:21.457	0.2	37.8			5.21		TAS	47.4	1.20	a_e	mb				5.5	
WLF	84.70	P	03:21:32.907	0.2	37.8			5.21		TAS	116.0	1.81	a_e	mb				5.8	

Event 10414005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/14	04:46:33.62		0.44	39.5650	143.5510				33.0			12	289	78.55	83.90	m i ke	BGR
OrigID 10414011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10414011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	83.90	P		04:58:58.202		35.2		5.29		TAS		8.4	0.99	m_e	mb	4.9
BRG	79.71	P		04:58:36.257	-0.4	35.2		5.29		TAS		10.7	1.40	m_e	mb	4.6
BSEG	78.55	P		04:58:30.399	-0.0	35.2		5.29		TAS		16.6	1.05	m_e	mb	5.0
CLL	79.72	P		04:58:36.257	-0.5	35.2		5.29		TAS		13.0	0.93	m_e	mb	4.8
CLZ	80.25	P		04:58:39.523	0.8	35.2		5.29		TAS		15.4	1.07	m_e	mb	4.9
GEC2	81.43	P		04:58:45.549	0.3	35.2		5.29		TAS		5.7	1.05	m_e	mb	4.5
GRA1	81.70	P		04:58:47.448		35.2		5.29		TAS		23.5	0.99	m_e	mb	5.3
GTTG	80.64	P		04:58:42.356	-0.2	35.2		5.29		TAS		12.6	0.92	m_e	mb	4.9
IBBN	80.76	P		04:58:41.972	-0.2	35.2		5.29		TAS		27.6	1.24	m_e	mb	5.1
RJOB	82.68	P		04:58:52.659		35.2		5.29		TAS		11.2	1.10	m_e	mb	5.0
ROTZ	81.27	P		04:58:45.247	0.2	35.2		5.29		TAS		7.8	1.04	m_e	mb	4.7
WET	81.51	P		04:58:46.433	-0.6	35.2		5.29		TAS		10.7	1.19	m_e	mb	4.9

Event 10414004 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/14	05:45:18.90		0.44	-32.9600	-178.5700				24.2			18	289	158.10	163.79	m i ke	NEIC
OrigID 10414058																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	161.94		PKPab	06:06:02.985	0.0	27.2		4.36		TAS				a_e	
BFO	163.79		PKPab	06:06:11.085		27.2		4.36		TAS				m_e	
BRG	159.88		PKPab	06:05:53.985	-0.4	27.2		4.36		TAS				a_e	
BSEG	158.10		PKPab	06:05:46.435	0.2	27.2		4.36		TAS				a_e	
BUG	161.04		PKPab	06:05:58.635	-0.8	27.2		4.36		TAS				a_e	
CLL	159.80		PKPab	06:05:53.485	-0.3	27.2		4.36		TAS				m_e	
CLZ	160.04		PKPab	06:05:54.935	0.3	27.2		4.36		TAS				a_e	
FUR	163.09		PKPab	06:06:08.585	0.1	27.2		4.36		TAS				a_e	
GEC2	161.66		PKPab	06:06:01.585	-1.0	27.2		4.36		TAS				a_e	
GRA1	161.76		PKPab	06:06:02.935	-0.3	27.2		4.36		TAS				a_e	
GTTG	160.41		PKPab	06:05:56.985	0.8	27.2		4.36		TAS				a_e	
IBBN	160.13		PKPab	06:05:55.035	-0.4	27.2		4.36		TAS				a_e	
MOX	160.80		PKPab	06:05:58.185	0.2	27.2		4.36		TAS				a_e	
NRDL	159.49		PKPab	06:05:52.135	-0.1	27.2		4.36		TAS				a_e	
RJOB	162.91		PKPab	06:06:07.826	0.3	27.2		4.36		TAS				m_e	
ROTZ	161.40		PKPab	06:06:01.385	0.6	27.2		4.36		TAS				a_e	
TANN	160.75		PKPab	06:05:58.135	0.2	27.2		4.36		TAS				a_e	
WLF	162.94		PKPab	06:06:07.785	-0.3	27.2		4.36		TAS				a_e	

Event 10414003 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
2011/04/14	10:32:50.49		0.44	40.3860	142.6570				33.0			12	289	77.51	82.85	m i ke	BGR
OrigID 10414009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10414009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	82.85		P	10:45:09.489		35.4		5.37		TAS		13.7	0.83	m_e mb	5.2
BRG	78.66		P	10:44:47.287	-0.3	35.4		5.37		TAS		9.2	0.81	m_e mb	4.9
BSEG	77.51		P	10:44:41.449	0.1	35.4		5.37		TAS		27.2	0.91	m_e mb	5.4
CLL	78.67		P	10:44:47.214	-0.5	35.4		5.37		TAS		18.8	0.86	m_e mb	5.1
CLZ	79.20		P	10:44:50.772	0.3	35.4		5.37		TAS		15.4	0.87	m_e mb	5.0
GRA1	80.65		P	10:44:58.720		35.4		5.37		TAS		31.9	0.78	m_e mb	5.4
GTTG	79.59		P	10:44:53.553	-0.5	35.4		5.37		TAS		24.0	1.14	m_e mb	5.0
IBBN	79.73		P	10:44:53.122	0.3	35.4		5.37		TAS		28.1	0.92	m_e mb	5.2
MOX	79.73		P	10:44:52.879	-0.1	35.4		5.37		TAS		14.9	1.14	m_e mb	4.8

NRDL	78.76	P	10:44:47.699	-0.4	35.4	5.37	TAS	12.1	1.05	m_e mb	4.9
RJOB	81.62	P	10:45:03.808		35.4	5.37	TAS	17.2	0.83	m_e mb	5.2
ROTZ	80.21	P	10:44:56.215	0.4	35.4	5.37	TAS	14.9	1.11	m_e mb	4.8

Event 10415001 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
2011/04/14	23:50:15.38			36.1350	141.6690				38.2					83.95	83.95	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10415007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.95		P	00:02:34.290		43.2		4.46		TAS		18.0	1.35	m_e mb	5.1
GRA1	83.95		pP	00:02:45.373						T__				m_e	

Event 10415002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	00:28:02.90			30.4700	-42.1200				10.0					44.07	44.07	m i ke	GSRC

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	10415008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.07		P	00:36:11.957		264.7		7.30		TAS		4.2	0.84	m_e mb	4.2

Event 10415003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	00:56:27.78			36.0900	142.2750				33.0					84.23	84.23	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10415009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.23		P	01:08:54.825		37.5		3.97		TAS		7.2	1.07	m_e mb	4.8

Event 10415004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	02:06:27.40			-15.2700	-173.2300				10.3				18	142.77	147.24	m i ke	NEIC
OrigID 10415058																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	10415010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	144.82		PKP	02:26:03.372	0.5	7.6		3.27		TAS				m_e	
BFO	147.01		PKP	02:26:10.888		7.6		3.27		TAS				m_e	
BUG	143.92		PKP	02:26:00.227	-0.1	7.6		3.27		TAS				m_e	
CLL	143.71		PKP	02:25:59.632	-0.6	7.6		3.27		TAS				m_e	
CLZ	143.41		PKP	02:25:59.080	-0.5	7.6		3.27		TAS				m_e	
FUR	146.99		PKP	02:26:10.805		7.6		3.27		TAS				m_e	
GEC2	146.04		PKP	02:26:07.834	0.0	7.6		3.27		TAS				m_e	
GRA1	145.48		PKP	02:26:06.379	-0.1	7.6		3.27		TAS				m_e	
GRA1	145.48		L	03:30:35.114						T__		2130.5	20.30	a_e Ms	5.9
IBBN	143.04		PKP	02:25:58.243	0.0	7.6		3.27		TAS				m_e	
MOX	144.50		PKP	02:26:02.797	0.2	7.6		3.27		TAS				m_e	
NRDL	142.77		PKP	02:25:57.165	0.3	7.6		3.27		TAS				m_e	
RJOB	147.24		PKP	02:26:11.445		7.6		3.27		TAS				m_e	
ROTZ	145.31		PKP	02:26:05.797	0.3	7.6		3.27		TAS				m_e	
STU	146.53		PKP	02:26:09.056	-0.4	7.6		3.27		TAS				m_e	
TANN	144.65		PKP	02:26:03.135	0.4	7.6		3.27		TAS				m_e	
TNS	145.11		PKP	02:26:04.827	0.4	7.6		3.27		TAS				m_e	
WET	145.85		PKP	02:26:07.543	-0.0	7.6		3.27		TAS				m_e	
WLF	145.69		PKP	02:26:07.155	-0.2	7.6		3.27		TAS				m_e	

Event 10415005 Bering Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	02:18:04.30			57.9680	-177.9540				23.4					72.44	72.44	m i ke	BGR
OrigID 10415011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10415011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	72.44		P	02:29:27.009		6.3		5.29		TAS		49.8	1.85	m_e mb	5.3

Event 10415007 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	03:18:17.49		0.37	35.1170	23.2030				33.0			9	351	15.41	19.09	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	10415013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	17.12		P	03:22:15.044		144.5		11.06		TAS				m_e	
CLZ	19.09		P	03:22:37.336		144.5		11.06		TAS		6.2	0.81	m_e mb	3.9
FUR	15.77		P	03:22:01.155	-0.1	144.5		11.06		TAS		45.0	0.70	m_e mb	4.7
GEC2	15.41		P	03:21:56.932	0.1	144.5		11.06		TAS				m_e	
GRA1	17.01		P	03:22:14.874		144.5		11.06		TAS				m_e	
MOX	17.65		P	03:22:21.696		144.5		11.06		TAS		10.0	0.72	m_e mb	4.0
TANN	17.17		P	03:22:16.508		144.5		11.06		TAS		13.1	0.87	m_e mb	4.1
TNS	18.54		P	03:22:31.324		144.5		11.06		TAS				m_e	
WET	15.95		P	03:22:02.096		144.5		11.06		TAS		26.7	0.90	m_e mb	4.4

Event 10415009 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	06:50:28.14		0.61	50.4400	-176.5700				33.0			21	283	75.84	81.87	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10415015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.35		P	07:02:31.132	0.1	5.2		5.45		TAS		83.0	0.77	a_e mb	5.8
BFO	81.52		P	07:02:42.482	-0.4	5.2		5.45		TAS		102.9	1.83	a_e mb	5.6
BRG	78.67		P	07:02:27.032	-0.2	5.2		5.45		TAS		85.3	1.33	a_e mb	5.6
BSEG	75.84		P	07:02:11.682	-0.2	5.2		5.45		TAS		110.8	1.04	a_e mb	5.9
BUG	78.45		P	07:02:25.682	-0.4	5.2		5.45		TAS		59.8	0.86	a_e mb	5.7
CLL	78.30		P	07:02:24.882	-0.4	5.2		5.45		TAS		49.4	0.66	a_e mb	5.8
CLZ	77.93		P	07:02:23.582	0.3	5.2		5.45		TAS		89.2	0.79	a_e mb	6.0
FUR	81.55		P	07:02:42.932	-0.1	5.2		5.45		TAS		77.0	1.51	a_e mb	5.5
GEC2	80.70		P	07:02:38.332	-0.0	5.2		5.45		TAS		25.3	0.98	a_e mb	5.2
GRA1	80.03		P	07:02:35.082	0.4	5.2		5.45		TAS		73.6	0.86	m_e mb	5.6
GTTG	78.24		P	07:02:25.682	0.7	5.2		5.45		TAS		117.0	1.05	a_e mb	5.9
IBBN	77.56		P	07:02:21.282	0.0	5.2		5.45		TAS		145.1	0.87	a_e mb	6.1
MOX	79.05		P	07:02:29.382	-0.0	5.2		5.45		TAS		38.1	0.79	a_e mb	5.5

NRDL	77.29	P	07:02:19.532	-0.3	5.2	5.45	TAS	70.6	1.02	a_e mb	5.7
RJOB	81.87	P	07:02:44.632	-0.1	5.2	5.45	TAS	18.5	0.87	a_e mb	5.2
ROTZ	79.89	P	07:02:34.282	0.3	5.2	5.45	TAS	31.7	1.05	a_e mb	5.2
STU	81.05	P	07:02:39.982	-0.3	5.2	5.45	TAS	32.1	0.88	a_e mb	5.4
TANN	79.23	P	07:02:30.532	0.2	5.2	5.45	TAS	83.2	1.67	a_e mb	5.5
TNS	79.63	P	07:02:32.532	0.0	5.2	5.45	TAS	59.9	1.11	a_e mb	5.5
WET	80.47	P	07:02:37.382	0.3	5.2	5.45	TAS	39.5	1.50	a_e mb	5.1
WLF	80.25	P	07:02:36.132	0.2	5.2	5.45	TAS	58.6	1.01	a_e mb	5.5

Event 10415010 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	07:45:01.56		0.61	27.7370	102.1450				33.0				283	69.95	69.95	m i ke	BGR
OrigID 10415016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10415016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	69.95		P	07:56:08.932		75.8		5.85		TAS		7.4	0.99	m_e mb	4.8

Event 10415011 Tanzania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	08:49:36.88		0.61	-4.0830	35.2190				33.0				283	57.45	57.45	m i ke	BGR
OrigID 10415017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10415017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	57.45		P	08:59:24.198		145.5		7.24		TAS		14.5	1.51	m_e mb	4.8

Event 10415015 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	13:00:28.99		0.60	39.8370	144.0860				33.0				320	81.66	81.66	m i ke	BGR
OrigID 10415021																	

Magnitude	Err	Nsta	Author	OrigID
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mb 5.2 BGR 10415021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.66		P	13:12:42.599		37.9		4.58		TAS		17.2	0.90	m_e	mb 5.2

Event 10415016 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	14:34:27.92		0.60	39.7020	143.1590				33.0				320	81.43	81.43	m i ke	BGR
OrigID 10415022																	

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 10415022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.43		P	14:46:40.337		36.8		4.43		TAS		9.5	1.05	m_e	mb 4.8

Event 10415017 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
2011/04/15	19:27:09.33		0.60	40.1870	142.0620				47.3				320	80.60	80.60	m i ke	BGR
OrigID 10415023																	

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 10415023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.60		P	19:39:15.219		37.3		4.49		TAS		8.4	1.08	m_e	mb 5.3
GRA1	80.60		pP	19:39:29.127						T__				m_e	

Event 10415018 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	21:10:36.14		0.60	36.6330	143.4460				29.3				320	84.22	84.22	m i ke	BGR
OrigID 10415024																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10415024

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	84.22	P	21:23:02.347	41.0	4.49	TAS	16.1	1.13	m_e	mb	5.2
GRA1	84.22	pP	21:23:10.856			T__			m_e		

Event 10415019 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/15	21:19:14.70		0.60	36.0280	142.4510				33.0				320	84.36	84.36	m i ke	BGR
OrigID																	
10415025																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10415025

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.36		P	21:31:42.375		40.4		4.33		TAS		10.9	1.32	m_e	mb	4.9

Event 10415020 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/15	21:46:20.72		0.60	-19.9100	-174.9100				220.2	2.7			20	320	145.80	151.54	m i ke	BGR
OrigID																		
10415026																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.40		PKPdf	22:05:39.295	0.2	12.1		1.53		TAS				m_e	
AHRW	149.40		PKPbc	22:05:42.675	0.6	10.7		2.78		TAS				m_e	
BFO	151.53		PKPdf	22:05:42.580		12.1		1.53		TAS				m_e	
BFO	151.53		PKPbc	22:05:48.504		10.7		2.78		TAS				m_e	
BRG	148.32		PKPdf	22:05:37.875	0.2	12.1		1.53		TAS				m_e	
BRG	148.32		PKPbc	22:05:40.103	0.4	10.7		2.78		TAS				m_e	
BSEG	145.80		PKPbc	22:05:32.303	-0.6	10.7		2.78		TAS				m_e	
BUG	148.49		PKPdf	22:05:38.012	-0.3	12.1		1.53		TAS				m_e	
BUG	148.49		pPKPbc	22:06:36.349						T__				m_e	
CLL	148.05		PKPdf	22:05:37.191	-0.2	12.1		1.53		TAS				m_e	
CLL	148.05		PKPbc	22:05:38.818	-0.4	10.7		2.78		TAS				m_e	
CLL	148.05		pPKPbc	22:06:35.342						T__				m_e	
CLZ	147.87		PKPdf	22:05:37.297	0.1	12.1		1.53		TAS				m_e	
CLZ	147.87		PKPbc	22:05:38.818	0.2	10.7		2.78		TAS				m_e	
FUR	151.37		PKPdf	22:05:42.639		12.1		1.53		TAS				m_e	
FUR	151.37		PKPbc	22:05:48.332	-0.3	10.7		2.78		TAS				m_e	
GEC2	150.31		PKPdf	22:05:40.653	0.2	12.1		1.53		TAS				m_e	
GEC2	150.31		PKPbc	22:05:45.504	-0.3	10.7		2.78		TAS				m_e	
GRA1	149.88		PKPdf	22:05:40.316	0.4	12.1		1.53		TAS				m_e	

GRA1	149.88	PKPbc	22:05:44.904	-0.1	10.7	2.78	TAS	m_e
GRA1	149.88	pPKPbc	22:06:40.212				T__	m_e
IBBN	147.60	PKPdf	22:05:36.550	-0.2	12.1	1.53	TAS	m_e
IBBN	147.60	PKPbc	22:05:38.303	0.3	10.7	2.78	TAS	m_e
MOX	148.90	PKPdf	22:05:38.904	0.0	12.1	1.53	TAS	m_e
MOX	148.90	PKPbc	22:05:41.903	-0.4	10.7	2.78	TAS	m_e
NRDL	147.25	PKPbc	22:05:36.675	-0.2	10.7	2.78	TAS	m_e
RJOB	151.54	PKPdf	22:05:42.229		12.1	1.53	TAS	m_e
RJOB	151.54	PKPbc	22:05:48.332		10.7	2.78	TAS	m_e
RJOB	151.54	pPKPbc	22:06:44.291				T__	m_e
ROTZ	149.67	PKPdf	22:05:39.809	-0.2	12.1	1.53	TAS	m_e
ROTZ	149.67	PKPbc	22:05:44.304	0.1	10.7	2.78	TAS	m_e
STU	151.02	PKPdf	22:05:42.209	-0.2	12.1	1.53	TAS	m_e
STU	151.02	PKPbc	22:05:47.047	-0.7	10.7	2.78	TAS	m_e
TANN	149.00	PKPdf	22:05:39.010	-0.0	12.1	1.53	TAS	m_e
TANN	149.00	PKPbc	22:05:42.075	0.0	10.7	2.78	TAS	m_e
TNS	149.64	PKPdf	22:05:39.890	0.0	12.1	1.53	TAS	m_e
TNS	149.64	PKPbc	22:05:43.618	0.7	10.7	2.78	TAS	m_e
WET	150.17	PKPdf	22:05:40.609	0.3	12.1	1.53	TAS	m_e
WET	150.17	PKPbc	22:05:45.247	0.5	10.7	2.78	TAS	m_e
WLF	150.30	PKPdf	22:05:41.455	-0.5	12.1	1.53	TAS	m_e
WLF	150.30	PKPbc	22:05:46.189	-0.1	10.7	2.78	TAS	m_e

Event 10416001 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	01:11:14.92			25.5400	123.2500				149.6	6.3		21		81.81	86.64	m i k e	BGR
10416007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	10416007
MBB	6.5		BGR	10416007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.65		P	01:23:36.505	0.1	57.0		4.96		TAS		254.8	1.35	a_e	MBB 6.4
AHRW	85.65		PP	01:26:57.811		56.4		8.39		TAS				m_e	
AHRW	85.65		pPP	01:27:32.111						T__				m_e	
BFO	86.26		P	01:23:39.005	-0.6	57.0		4.96		TAS		214.9	1.37	a_e	MBB 6.6
BRG	81.81		P	01:23:17.105	-0.4	57.0		4.96		TAS		112.5	1.26	a_e	MBB 6.4
BSEG	82.09		P	01:23:18.396	-0.3	57.0		4.96		TAS		155.2	1.14	m_e	MBB 6.5
BSEG	82.09		PP	01:26:28.756		56.4		8.39		TAS				m_e	
BSEG	82.09		pPP	01:27:01.766	0.2					T__				m_e	
BUG	85.03		P	01:23:33.155	-0.2	57.0		4.96		TAS		506.6	1.26	a_e	MBB 6.6
BUG	85.03		PP	01:26:52.438		56.4		8.39		TAS				m_e	
CLL	82.09		P	01:23:18.305	-0.6	57.0		4.96		TAS		172.9	1.17	a_e	MBB 6.5
CLL	82.09		pPP	01:27:01.766	-1.5					T__				m_e	

CLZ	83.20	P	01:23:24.655	0.3	57.0	4.96	TAS	301.5	1.45	a_e	MBB	6.6
CLZ	83.20	PP	01:26:36.679		56.4	8.39	TAS			m_e		
FUR	84.71	P	01:23:32.205	0.3	57.0	4.96	TAS	617.6	1.27	a_e	MBB	6.8
FUR	84.71	pPP	01:27:24.290				T__			m_e		
GEC2	82.98	P	01:23:23.055	-0.3	57.0	4.96	TAS	202.3	1.16	a_e	MBB	6.4
GEC2	82.98	PP	01:26:34.822		56.4	8.39	TAS			m_e		
GRA1	83.92	P	01:23:28.255	0.3	57.0	4.96	TAS	443.9	1.38	a_e	MBB	6.7
GRA1	83.92	pPP	01:27:17.095				T__			m_e		
GRA1	83.92	X	01:52:51.421		219.9	3.43	TAS			m_e		
GTTG	83.58	P	01:23:26.855	0.7	57.0	4.96	TAS	319.4	1.35	a_e	MBB	6.6
GTTG	83.58	PP	01:26:40.544		56.4	8.39	TAS			m_e		
GTTG	83.58	pPP	01:27:13.653				T__			m_e		
IBBN	84.28	P	01:23:29.505	-0.1	57.0	4.96	TAS	420.8	1.13	a_e	MBB	6.7
IBBN	84.28	PP	01:26:44.959		56.4	8.39	TAS			m_e		
MOX	83.19	P	01:23:24.305	-0.0	57.0	4.96	TAS	146.8	1.54	m_e	MBB	6.4
MOX	83.19	pPP	01:27:09.274	0.7			T__			m_e		
NRDL	82.98	P	01:23:23.529	0.3	57.0	4.96	TAS	244.9	1.66	m_e	MBB	6.6
RJOB	84.07	P	01:23:29.055	0.3	57.0	4.96	TAS	144.2	1.17	a_e	MBB	6.5
RJOB	84.07	pPP	01:27:19.284				T__			m_e		
ROTZ	83.33	P	01:23:25.455	0.4	57.0	4.96	TAS	158.2	1.27	a_e	MBB	6.5
STU	85.53	P	01:23:35.555	-0.4	57.0	4.96	TAS	230.3	1.10	a_e	MBB	6.5
TANN	82.85	P	01:23:22.605	-0.1	57.0	4.96	TAS	104.0	1.36	a_e	MBB	6.3
TNS	85.11	P	01:23:33.905	0.1	57.0	4.96	TAS	168.0	1.20	a_e	MBB	6.5
TNS	85.11	PP	01:26:53.631		56.4	8.39	TAS			m_e		
TNS	85.11	pPP	01:27:25.541				T__			m_e		
WET	83.29	P	01:23:25.055	0.2	57.0	4.96	TAS	146.2	1.49	a_e	MBB	6.5
WET	83.29	pPP	01:27:11.776	-1.3			T__			m_e		
WLF	86.64	P	01:23:41.455	0.0	57.0	4.96	TAS	374.8	1.26	a_e	MBB	6.8

Event 10416003 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
2011/04/16	02:19:31.42			36.9500	140.4200				72.4	2.1		21		79.77	84.99	m i ke	BGR
	10416009																

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	10416009
MBB	6.6		BGR	10416009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.69		P	02:31:51.972	-0.1	38.6		5.16		TAS		270.2	1.01	a_e	MBB 6.6
AHRW	83.69		sP	02:32:19.910						T__				m_e	
BFO	84.99		P	02:31:58.472	-0.4	38.6		5.16		TAS		431.9	1.00	a_e	MBB 6.8
BFO	84.99		sP	02:32:26.870						T__				m_e	
BRG	80.72		P	02:31:36.572	-0.3	38.6		5.16		TAS		305.5	1.00	a_e	MBB 6.5
BRG	80.72		PP	02:34:40.858						T__				m_e	

BSEG	79.77	P	02:31:31.872	0.0	38.6	5.16	TAS	537.1	0.99	a_e	MBB	6.5
BUG	82.88	P	02:31:47.672	-0.3	38.6	5.16	TAS	188.0	0.84	a_e	MBB	6.5
CLL	80.77	P	02:31:36.622	-0.5	38.6	5.16	TAS	625.7	0.94	a_e	MBB	6.7
CLL	80.77	PP	02:34:41.359				T__				m_e	
CLZ	81.40	P	02:31:40.572	0.3	38.6	5.16	TAS	512.1	1.02	a_e	MBB	6.7
FUR	83.92	P	02:31:53.422	0.1	38.6	5.16	TAS	667.5	0.87	a_e	MBB	7.0
GEC2	82.36	P	02:31:45.022	-0.3	38.6	5.16	TAS	191.8	1.04	a_e	MBB	6.4
GEC2	82.36	sP	02:32:12.119				T__				m_e	
GRA1	82.74	P	02:31:47.672	0.4	38.6	5.16	TAS	785.8	0.94	a_e	MBB	7.0
GRA1	82.74	X	03:01:25.829		200.7	3.71	TAS				m_e	
GTTG	81.78	P	02:31:42.922	0.6	38.6	5.16	TAS	385.6	0.94	a_e	MBB	6.6
IBBN	82.01	P	02:31:43.322	-0.1	38.6	5.16	TAS	511.9	0.88	a_e	MBB	6.9
MOX	81.84	P	02:31:42.572	-0.1	38.6	5.16	TAS	195.2	0.96	a_e	MBB	6.5
NRDL	80.98	P	02:31:38.072	-0.1	38.6	5.16	TAS	197.6	0.90	a_e	MBB	6.3
RJOB	83.60	P	02:31:51.822	0.1	38.6	5.16	TAS	351.8	1.02	a_e	MBB	6.7
ROTZ	82.28	P	02:31:45.422	0.5	38.6	5.16	TAS	578.3	1.48	a_e	MBB	6.7
STU	84.29	P	02:31:55.072	-0.2	38.6	5.16	TAS	561.1	1.01	a_e	MBB	6.8
TANN	81.68	P	02:31:41.772	-0.0	38.6	5.16	TAS	130.5	1.04	m_e	MBB	6.3
TANN	81.68	PP	02:34:48.959				T__				m_e	
TNS	83.42	P	02:31:50.822	0.1	38.6	5.16	TAS	169.6	0.99	a_e	MBB	6.6
WET	82.48	P	02:31:46.172	0.2	38.6	5.16	TAS	257.7	1.14	a_e	MBB	6.6
WLF	84.74	P	02:31:57.772	0.2	38.6	5.16	TAS	520.5	1.61	a_e	MBB	6.7

Event 10416006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	04:00:08.89		0.62	47.3200	150.5700				10.0			19	213	73.64	79.23	m i ke	BGR
10416012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10416012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.23		P	04:12:15.219		27.1		5.64		TAS		6.1	1.01	m_e	mb 4.6
BRG	75.31		P	04:11:53.152	-0.2	27.1		5.64		TAS		9.2	1.34	m_e	mb 4.6
BSEG	73.64		P	04:11:43.785	-0.1	27.1		5.64		TAS		5.9	0.54	m_e	mb 4.8
BUG	76.69		P	04:12:01.254	0.1	27.1		5.64		TAS		6.1	0.91	m_e	mb 4.7
CLL	75.21		P	04:11:52.236	-0.6	27.1		5.64		TAS		15.2	0.69	m_e	mb 5.1
CLZ	75.49		P	04:11:54.679	0.3	27.1		5.64		TAS		12.5	0.79	m_e	mb 5.1
FUR	78.52		P	04:12:11.094		27.1		5.64		TAS		16.2	1.00	m_e	mb 5.0
GEC2	77.16		P	04:12:04.223	0.4	27.1		5.64		TAS		7.1	1.07	m_e	mb 4.7
GRA1	77.17		P	04:12:04.193	0.3	27.1		5.64		TAS		16.8	0.81	m_e	mb 5.2
GTTG	75.87		P	04:11:56.741	0.2	27.1		5.64		TAS		6.5	0.73	m_e	mb 4.8
IBBN	75.78		P	04:11:55.748	-0.2	27.1		5.64		TAS		11.0	0.91	m_e	mb 5.0
MOX	76.21		P	04:11:58.267	-0.2	27.1		5.64		TAS		10.0	1.10	m_e	mb 4.9
NRDL	74.98		P	04:11:51.495	-0.0	27.1		5.64		TAS		12.3	1.15	m_e	mb 4.8

RJOB	78.43	P	04:12:10.583	-0.4	27.1	5.64	TAS	4.1	0.66	m_e mb	4.7
ROTZ	76.81	P	04:12:02.238	0.4	27.1	5.64	TAS	10.1	1.19	m_e mb	4.8
STU	78.59	P	04:12:11.781	-0.3	27.1	5.64	TAS	9.7	0.84	m_e mb	4.9
TANN	76.16	P	04:11:58.115	-0.1	27.1	5.64	TAS	2.5	0.75	m_e mb	4.4
TNS	77.48	P	04:12:05.979	0.3	27.1	5.64	TAS	8.1	0.65	m_e mb	5.0
WET	77.16	P	04:12:04.299	0.5	27.1	5.64	TAS	9.7	0.99	m_e mb	4.9

Event 10416007 South Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	05:49:22.20		0.62	-43.6200	172.8300				9.2					213	166.00	166.00	m i ke NEIC
OrigID 10416061																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	166.00		PKP	06:09:27.774		71.3		0.60		TAS				m_e	

Event 10416009 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	15:56:18.49		0.61	35.1350	138.5830				33.0					104	83.53	83.53	m i ke BGR
OrigID 10416015																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 10416015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.53		P	16:08:41.999		44.7		4.66		TAS		12.3	1.24	m_e mb	5.0

Event 10416011 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	20:19:27.71		0.66	37.8240	139.4500				33.0					335	81.60	81.60	m i ke BGR
OrigID 10416017																	

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 10416017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 81.60 P 20:31:41.069 42.4 4.50 TAS 7.0 0.95 m_e mb 4.8

Event 10416012 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
2011/04/16	20:21:33.85		0.66	36.8300	141.1400				33.0			16	335	80.14	85.37	m i ke	BGR
OrigID 10416018																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10416018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.37		P	20:34:07.329		38.0		5.17		TAS		13.4	0.90	m_e mb	5.2
BRG	81.12		P	20:33:45.762	-0.1	38.0		5.17		TAS		9.7	0.91	m_e mb	4.8
BSEG	80.14		P	20:33:40.778	0.1	38.0		5.17		TAS		19.3	1.17	m_e mb	4.9
CLL	81.16		P	20:33:45.669	-0.5	38.0		5.17		TAS		19.7	0.84	m_e mb	5.2
CLZ	81.78		P	20:33:49.535	0.3	38.0		5.17		TAS		17.2	1.20	m_e mb	5.1
FUR	84.32		P	20:34:02.438		38.0		5.17		TAS		18.9	0.83	m_e mb	5.4
GEC2	82.77		P	20:33:54.287	0.3	38.0		5.17		TAS		7.0	1.16	m_e mb	4.8
GRA1	83.14		P	20:33:56.663	-0.0	38.0		5.17		TAS		20.2	0.96	m_e mb	5.3
IBBN	82.37		P	20:33:52.237	-0.2	38.0		5.17		TAS		16.6	0.61	m_e mb	5.3
MOX	82.23		P	20:33:51.492	0.5	38.0		5.17		TAS		6.7	0.80	m_e mb	4.8
NRDL	81.36		P	20:33:46.880	-0.2	38.0		5.17		TAS		7.5	0.90	m_e mb	4.7
RJOB	84.01		P	20:34:00.901	-0.6	38.0		5.17		TAS		9.8	1.01	m_e mb	5.0
ROTZ	82.68		P	20:33:54.426	0.3	38.0		5.17		TAS		8.0	0.81	m_e mb	5.0
STU	84.68		P	20:34:04.348		38.0		5.17		TAS		19.4	0.82	m_e mb	5.4
WET	82.89		P	20:33:55.358	0.0	38.0		5.17		TAS		8.0	1.12	m_e mb	4.9
WLF	85.12		P	20:34:06.631		38.0		5.17		TAS		8.5	1.12	m_e mb	4.9

Event 10416013 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	20:36:49.79		0.66	37.1100	144.0600				33.0			21	335	80.93	86.25	m i ke	BGR
OrigID 10416019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10416019
Ms	5.2		BGR	10416019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.86		P	20:49:21.265	-0.1	36.0		5.11		TAS		121.4	1.26	a_e mb	6.0
BFO	86.25		P	20:49:28.015	-0.5	36.0		5.11		TAS		133.5	1.31	a_e mb	5.9
BRG	82.04		P	20:49:06.815	-0.2	36.0		5.11		TAS		76.1	1.23	a_e mb	5.7

BSEG	80.93	P	20:49:01.165	-0.1	36.0	5.11	TAS	166.9	1.44	a_e	mb	5.9
BUG	84.04	P	20:49:16.865	-0.2	36.0	5.11	TAS	136.9	1.34	a_e	mb	6.0
CLL	82.06	P	20:49:06.515	-0.6	36.0	5.11	TAS	135.8	1.11	a_e	mb	6.0
CLZ	82.61	P	20:49:10.065	0.2	36.0	5.11	TAS	152.7	1.33	a_e	mb	6.1
FUR	85.26	P	20:49:23.315	-0.1	36.0	5.11	TAS	132.2	1.11	a_e	mb	6.1
GEC2	83.74	P	20:49:15.415	-0.3	36.0	5.11	TAS	64.6	1.19	a_e	mb	5.7
GRA1	84.04	P	20:49:17.615	0.4	36.0	5.11	TAS	295.2	1.44	a_e	mb	6.3
GRA1	84.04	L	21:29:27.877				T__	919.6	18.90	a_e	Ms	5.2
GTTG	83.00	P	20:49:12.465	0.6	36.0	5.11	TAS	96.0	1.41	a_e	mb	5.8
IBBN	83.15	P	20:49:12.465	-0.1	36.0	5.11	TAS	234.9	1.62	a_e	mb	6.2
MOX	83.12	P	20:49:12.465	-0.1	36.0	5.11	TAS	68.3	1.34	a_e	mb	5.7
NRDL	82.18	P	20:49:07.565	-0.1	36.0	5.11	TAS	117.9	1.64	a_e	mb	5.8
RJOB	84.99	P	20:49:22.215	0.2	36.0	5.11	TAS	96.4	1.24	a_e	mb	5.9
ROTZ	83.60	P	20:49:15.515	0.6	36.0	5.11	TAS	184.4	1.49	m_e	mb	6.1
STU	85.56	P	20:49:24.665	-0.3	36.0	5.11	TAS	132.7	1.15	a_e	mb	6.0
TANN	82.98	P	20:49:11.865	0.1	36.0	5.11	TAS	97.0	1.85	a_e	mb	5.7
TNS	84.64	P	20:49:20.315	0.1	36.0	5.11	TAS	105.3	1.47	a_e	mb	5.9
WET	83.83	P	20:49:16.365	0.2	36.0	5.11	TAS	100.2	1.30	a_e	mb	5.9
WLF	85.92	P	20:49:27.015	0.3	36.0	5.11	TAS	193.0	1.59	a_e	mb	6.0

Event 10416014 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	20:49:55.13		0.66	37.6600	76.7300				33.0			19	335	45.52	50.66	m i ke	BGR
OrigID 10416020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10416020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	49.60	P		20:58:42.734	-0.3	79.5		7.75		TAS		6.5	0.84	m_e	mb	4.6
BRG	45.52	P		20:58:11.418	-0.5	79.5		7.75		TAS		15.3	0.96	m_e	mb	5.0
BSEG	47.28	P		20:58:25.428	0.6	79.5		7.75		TAS		18.1	0.69	m_e	mb	5.3
BUG	49.55	P		20:58:42.899	-0.6	79.5		7.75		TAS		11.3	1.04	m_e	mb	4.7
CLL	46.04	P		20:58:14.879	-1.1	79.5		7.75		TAS		10.0	0.68	m_e	mb	5.0
CLZ	47.58	P		20:58:27.735	-0.0	79.5		7.75		TAS		19.7	1.44	m_e	mb	5.0
FUR	47.73	P		20:58:29.383	0.7	79.5		7.75		TAS		37.9	0.72	m_e	mb	5.6
GEC2	46.01	P		20:58:15.703	0.2	79.5		7.75		TAS		10.6	0.79	m_e	mb	4.9
GRA1	47.44	P		20:58:27.164	0.4	79.5		7.75		TAS		17.1	1.01	m_e	mb	5.1
GTTG	47.88	P		20:58:30.949	0.8	79.5		7.75		TAS		22.9	0.80	m_e	mb	5.4
IBBN	49.08	P		20:58:39.025	-0.2	79.5		7.75		TAS		9.8	0.75	m_e	mb	4.9
MOX	47.02	P		20:58:23.120	-0.4	79.5		7.75		TAS		6.9	0.94	m_e	mb	4.8
NRDL	47.63	P		20:58:28.394	0.4	79.5		7.75		TAS		17.1	0.87	m_e	mb	5.2
RJOB	46.82	P		20:58:21.630	0.2	79.5		7.75		TAS		4.1	0.74	m_e	mb	4.6
ROTZ	46.80	P		20:58:22.296	0.5	79.5		7.75		TAS		15.7	1.70	m_e	mb	4.9
STU	48.94	P		20:58:38.381	0.1	79.5		7.75		TAS		9.3	0.87	m_e	mb	4.8

TANN	46.53	P	20:58:19.329	-0.4	79.5	7.75	TAS	6.8	0.86	m_e	mb	4.8
WET	46.49	P	20:58:19.082	-0.2	79.5	7.75	TAS	8.3	0.71	m_e	mb	5.0
WLF	50.66	P	20:58:51.469		79.5	7.75	TAS	8.6	0.68	m_e	mb	4.8

Event 10416015 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/16	20:54:07.48		0.66	39.0020	143.6600				33.0				335	82.23	82.23	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10416021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	82.23		P	21:06:24.120		38.4		4.45		TAS		3.8	0.98	m_e	mb	4.5

Event 10417001 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	01:24:33.90			-27.6700	-63.2800				569.6					101.38	101.38	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.38		Pdiff	01:37:24.449		240.7		4.82		TAS				m_e	
GRA1	101.38		PP	01:41:39.045		237.4		7.17		TAS				m_e	

Event 10417002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	01:37:54.92			39.7290	143.5800				33.0					81.57	81.57	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10417008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	81.57		P	01:50:08.038		37.7		4.51		TAS		8.9	1.33	m_e	mb	4.7

Event 10417003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	01:54:27.44			40.7110	143.4590				28.8					80.67	80.67	m i ke	BGR
OrigID 10417009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10417009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.67		P	02:06:36.354		36.1		4.49		TAS		8.1	1.07	m_e	mb 4.7
GRA1	80.67		pP	02:06:44.664						T__				m_e	

Event 10417004 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	01:58:50.50			-27.5900	-63.2700				566.7					101.31	101.31	m i ke	NEIC
OrigID 10417058																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.31		Pdiff	02:11:40.790		240.7		4.71		TAS				m_e	
GRA1	101.31		PP	02:15:55.367						T__				m_e	

Event 10417005 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	02:37:13.90			-27.6000	-63.2800				563.9					101.33	101.39	m i ke	NEIC
OrigID 10417059																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.33		Pdiff	02:50:04.313		240.7		5.37		TAS				m_e	
GRA2	101.39		PP	02:54:19.127		236.9		6.73		TAS				m_e	

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Event 10417006 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
2011/04/17 02:56:07.83 40.6470 141.5650 31.0 80.01 80.01 m i ke BGR
10417012

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 10417012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 80.01 P 03:08:12.907 33.8 4.33 TAS 5.9 1.10 m_e mb 4.4
GRA1 80.01 pP 03:08:21.840 T__ m_e

Event 10417007 Hokkaido, Japan, region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2011/04/17 03:00:14.08 41.6340 139.1570 31.2 78.23 78.23 m i ke BGR
10417013

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 10417013

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 78.23 P 03:12:09.382 36.1 4.48 TAS 11.9 1.12 m_e mb 4.9
GRA1 78.23 pP 03:12:18.387 T__ m_e

Event 10417008 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
2011/04/17 04:23:55.63 39.0710 143.4650 33.0 82.10 82.10 m i ke BGR
10417014

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 10417014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 82.10 P 04:36:11.569 38.1 4.47 TAS 3.3 0.83 m_e mb 4.5

Event 10417009 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
 2011/04/17 04:39:06.06 36.9290 140.6720 33.0 82.86 82.86 m i ke BGR
 10417015

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 10417015

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 82.86 P 04:51:26.061 43.5 4.56 TAS 6.5 1.21 m_e mb 4.7

Event 10417010 South of Aleutian Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/04/17 05:14:54.35 50.9640 -170.9830 33.0 79.71 79.71 m i ke BGR
 10417016

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 10417016

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 79.71 P 05:26:57.159 359.7 4.79 TAS 4.2 1.04 m_e mb 4.3

Event 10417012 Chiapas, Mexico

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/04/17 06:09:36.94 0.34 17.5520 -92.5750 33.0 138 85.40 85.40 m i ke BGR
 10417018

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 10417018

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 85.40 P 06:22:10.648 283.5 5.63 TAS 5.6 1.14 m_e mb 4.7

Event 10417013 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
 2011/04/17 06:49:19.34 0.34 35.4530 140.7400 10.0 138 84.16 84.16 m i ke BGR
 10417019

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 10417019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.16		P	07:01:49.391		45.2		4.70		TAS		2.6	0.82	m_e	mb 4.5

Event 10417014 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
2011/04/17	07:12:46.10		0.34	36.5320	141.3880				33.0				138	83.49	83.49	m i ke	BGR
OrigID 10417020																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10417020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.49		P	07:25:09.364		40.9		4.40		TAS		4.8	0.95	m_e	mb 4.7

Event 10417015 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	07:51:52.53		0.34	55.2040	-162.2680				33.0				138	75.33	75.33	m i ke	BGR
OrigID 10417021																	

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 10417021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	75.33		P	08:03:30.862		358.2		5.25		TAS		5.2	1.16	m_e	mb 4.5

Event 10417016 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
2011/04/17	12:51:47.00		0.34	37.0420	141.8800				33.0				138	83.25	83.25	m i ke	BGR
OrigID 10417022																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10417022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 83.25 P 13:04:09.002 42.3 4.44 TAS 7.9 1.42 m_e mb 4.7

Event 10417017 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	13:02:08.41		0.34	-20.5400	-178.5000				618.6	18.6		21	138	145.99	151.73	m i ke	BGR
10417023																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.74		PKPdf	13:20:43.684	0.1	17.8		1.32		TAS					m_e
AHRW	149.74		PKPbc	13:20:49.096	-0.2	17.6		2.39		TAS					m_e
AHRW	149.74		PKPab	13:20:56.869	-0.1	15.9		4.24		TAS					m_e
BFO	151.73		PKPbc	13:20:53.571		17.6		2.39		TAS					m_e
BFO	151.73		PKPab	13:21:04.938		15.9		4.24		TAS					m_e
BRG	148.18		PKPdf	13:20:41.519	-0.2	17.8		1.32		TAS					m_e
BRG	148.18		PKPbc	13:20:45.827	0.4	17.6		2.39		TAS					m_e
BRG	148.18		PKPab	13:20:50.670	-0.1	15.9		4.24		TAS					m_e
BRG	148.18		pPKPbc	13:23:05.588	-0.1					T__					m_e
BSEG	145.99		PKPbc	13:20:39.657	-0.5	17.6		2.39		TAS					m_e
BUG	148.83		PKPdf	13:20:42.306	0.3	17.8		1.32		TAS					m_e
BUG	148.83		PKPbc	13:20:47.014	-0.1	17.6		2.39		TAS					m_e
BUG	148.83		PKPab	13:20:52.835	0.2	15.9		4.24		TAS					m_e
CLL	147.99		PKPdf	13:20:41.126	-0.0	17.8		1.32		TAS					m_e
CLL	147.99		PKPbc	13:20:44.865	-0.1	17.6		2.39		TAS					m_e
CLL	147.99		PKPab	13:20:49.391	-0.1	15.9		4.24		TAS					m_e
CLL	147.99		pPKPbc	13:23:04.710	-0.1					T__					m_e
CLZ	148.00		PKPdf	13:20:41.519	-0.1	17.8		1.32		TAS					m_e
CLZ	148.00		PKPbc	13:20:45.455	0.5	17.6		2.39		TAS					m_e
CLZ	148.00		pPKPbc	13:23:04.677	-0.1					T__					m_e
FUR	151.34		PKPab	13:21:03.954		15.9		4.24		TAS					m_e
GEC2	150.11		PKPdf	13:20:44.078		17.8		1.32		TAS					m_e
GEC2	150.11		PKPbc	13:20:49.883	-0.3	17.6		2.39		TAS					m_e
GEC2	150.11		PKPab	13:20:58.739	0.3	15.9		4.24		TAS					m_e
GRA1	149.90		PKPbc	13:20:49.588	0.1	17.6		2.39		TAS					m_e
GRA1	149.90		PKPab	13:20:57.558	0.2	15.9		4.24		TAS					m_e
GTTG	148.35		PKPbc	13:20:46.242	0.4	17.6		2.39		TAS					m_e
IBBN	147.92		PKPdf	13:20:41.224	0.2	17.8		1.32		TAS					m_e
IBBN	147.92		PKPbc	13:20:44.911	-0.0	17.6		2.39		TAS					m_e
IBBN	147.92		PKPab	13:20:48.899	-0.1	15.9		4.24		TAS					m_e
MOX	148.91		PKPdf	13:20:42.405	0.0	17.8		1.32		TAS					m_e
MOX	148.91		PKPbc	13:20:46.833	-0.3	17.6		2.39		TAS					m_e
MOX	148.91		PKPab	13:20:53.229	0.1	15.9		4.24		TAS					m_e
NRDL	147.41		PKPdf	13:20:40.535	-0.1	17.8		1.32		TAS					m_e
NRDL	147.41		PKPbc	13:20:43.262	-0.3	17.6		2.39		TAS					m_e

NRDL	147.41	PKPab	13:20:46.734	-0.2	15.9	4.24	TAS	m_e
RJOB	151.37	PKPbc	13:20:52.740	-0.3	17.6	2.39	TAS	m_e
RJOB	151.37	PKPab	13:21:03.954		15.9	4.24	TAS	m_e
ROTZ	149.62	PKPbc	13:20:49.257	0.4	17.6	2.39	TAS	m_e
ROTZ	149.62	PKPab	13:20:56.673	0.1	15.9	4.24	TAS	m_e
STU	151.16	PKPdf	13:20:45.554		17.8	1.32	TAS	m_e
STU	151.16	PKPbc	13:20:52.639	0.1	17.6	2.39	TAS	m_e
STU	151.16	PKPab	13:21:02.576	-0.2	15.9	4.24	TAS	m_e
TANN	148.95	PKPdf	13:20:42.798	-0.1	17.8	1.32	TAS	m_e
TANN	148.95	PKPbc	13:20:47.522	0.3	17.6	2.39	TAS	m_e
TANN	148.95	PKPab	13:20:53.917	0.1	15.9	4.24	TAS	m_e
TANN	148.95	pPKPbc	13:23:09.252	-0.1			T__	m_e
TNS	149.87	PKPbc	13:20:49.686	0.2	17.6	2.39	TAS	m_e
TNS	149.87	PKPab	13:20:57.361	-0.2	15.9	4.24	TAS	m_e
WET	150.04	PKPdf	13:20:43.881		17.8	1.32	TAS	m_e
WET	150.04	PKPbc	13:20:49.786	-0.1	17.6	2.39	TAS	m_e
WET	150.04	PKPab	13:20:58.345	-0.2	15.9	4.24	TAS	m_e
WLF	150.70	PKPbc	13:20:51.893	0.2	17.6	2.39	TAS	m_e
WLF	150.70	PKPab	13:21:01.199	-0.2	15.9	4.24	TAS	m_e
WLF	150.70	pPKPbc	13:23:16.503	-0.1			T__	m_e

Event 10417018 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	14:47:00.82		0.34	37.6340	140.4130				33.0				138	82.15	82.15	m i ke	BGR
OrigID 10417024																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10417024

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.15		P	14:59:17.090		41.3		4.44		TAS		5.4	0.89	m_e mb	4.7

Event 10417019 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	15:47:26.98		0.34	36.9280	143.2430				27.0				138	83.88	83.88	m i ke	BGR
OrigID 10417025																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10417025

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	83.88	P	15:59:53.086	41.5	4.52	TAS	20.9	0.86	m_e	mb	5.4
GRA1	83.88	pP	16:00:00.914			T__				m_e	

Event 10417020 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
2011/04/17	15:59:59.67		0.34	35.4050	141.7590				33.0				138	84.62	84.62	m i ke	BGR
OrigID 10417026																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10417026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.62		P	16:12:28.683		44.5		4.66		TAS		6.8	1.06	m_e	mb	4.8

Event 10417021 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/17	18:08:53.44		0.34	37.3320	139.9420				33.0				138	82.22	82.22	m i ke	BGR
OrigID 10417027																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10417027

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	82.22		P	18:21:10.084		44.1		4.55		TAS		6.9	1.03	m_e	mb	4.7

Event 10418001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/18	03:53:42.40			36.9610	144.9190				33.0					84.50	84.50	m i ke	BGR
OrigID 10418007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10418007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.50		P	04:06:10.748		33.3		3.98		TAS		4.7	1.03	m_e	mb	4.7

Event 10418002 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/18	05:33:56.10			-33.2330	-13.2420				33.0					85.37	85.37	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10418008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.37		P	05:46:32.180		198.8		5.34		TAS		12.1	1.46	m_e mb	4.9

Event 10418007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/18	12:26:24.87		0.91	-21.4070	170.1070				33.0				15	141	145.16	149.42	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.42		PKPbc	12:46:09.506		38.2		2.89		TAS				m_e	
BRG	145.16		PKPbc	12:45:57.550	-0.5	38.2		2.89		TAS				m_e	
CLL	145.22		PKPbc	12:45:57.550	-0.4	38.2		2.89		TAS				m_e	
CLZ	145.78		PKPbc	12:45:59.961	0.5	38.2		2.89		TAS				m_e	
GEC2	146.78		PKPbc	12:46:02.729	0.2	38.2		2.89		TAS				m_e	
GRA1	147.19		PKPbc	12:46:04.142	-0.1	38.2		2.89		TAS				m_e	
GTTG	146.17		PKPbc	12:46:01.552	-0.3	38.2		2.89		TAS				m_e	
IBBN	146.27		PKPbc	12:46:01.154	0.1	38.2		2.89		TAS				m_e	
NRDL	145.34		PKPbc	12:45:58.175	0.2	38.2		2.89		TAS				m_e	
RJOB	148.00		PKPbc	12:46:06.163		38.2		2.89		TAS				m_e	
ROTZ	146.73		PKPbc	12:46:02.729	0.4	38.2		2.89		TAS				m_e	
STU	148.73		PKPbc	12:46:08.102		38.2		2.89		TAS				m_e	
TANN	146.12		PKPbc	12:46:01.122	0.6	38.2		2.89		TAS				m_e	
TNS	147.81		PKPbc	12:46:05.910	-0.7	38.2		2.89		TAS				m_e	
WLF	149.06		PKPbc	12:46:09.723		38.2		2.89		TAS				m_e	

Event 10418009 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/18	13:02:56.36		0.91	-35.9400	-179.1100				74.4	3.2		21	141	160.84	166.45	m i ke	NEIC

10418063

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	164.74		PKPdf	13:22:53.407	0.2	37.0		0.92		TAS					m_e	
AHRW	164.74		PKPab	13:23:47.223	-0.5	30.6		4.44		TAS					m_e	
AHRW	164.74		pPKPab	13:24:08.268						T__					m_e	
BFO	166.45		PKPdf	13:22:54.116	-0.4	37.0		0.92		TAS					m_e	
BFO	166.45		PKPab	13:23:54.754		30.6		4.44		TAS					m_e	
BRG	162.36		PKPdf	13:22:50.668	0.1	37.0		0.92		TAS					m_e	
BRG	162.36		PKPab	13:23:35.927	-0.6	30.6		4.44		TAS					m_e	
BSEG	160.84		PKPdf	13:22:49.246	-0.3	37.0		0.92		TAS					m_e	
BSEG	160.84		PKPab	13:23:29.993	-0.1	30.6		4.44		TAS					m_e	
BUG	163.84		PKPdf	13:22:52.351	-0.1	37.0		0.92		TAS					m_e	
BUG	163.84		PKPab	13:23:42.773	0.5	30.6		4.44		TAS					m_e	
CLL	162.35		PKPdf	13:22:50.788	0.2	37.0		0.92		TAS					m_e	
CLL	162.35		PKPab	13:23:35.698	-0.6	30.6		4.44		TAS					m_e	
CLZ	162.72		PKPdf	13:22:51.354	0.2	37.0		0.92		TAS					m_e	
CLZ	162.72		PKPab	13:23:38.893	0.9	30.6		4.44		TAS					m_e	
CLZ	162.72		pPKPab	13:23:58.863						T__					m_e	
FUR	165.57		PKPdf	13:22:53.156	-0.4	37.0		0.92		TAS					m_e	
FUR	165.57		PKPab	13:23:51.217	0.3	30.6		4.44		TAS					m_e	
GEC2	164.03		PKPdf	13:22:52.145	0.0	37.0		0.92		TAS					m_e	
GRA1	164.33		PKPdf	13:22:52.109	-0.3	37.0		0.92		TAS					m_e	
GRA1	164.33		PKPab	13:23:44.827	-0.9	30.6		4.44		TAS					m_e	
GRA1	164.33		pPKPab	13:24:05.558						T__					m_e	
GTTG	163.10		PKPdf	13:22:51.902	0.4	37.0		0.92		TAS					m_e	
GTTG	163.10		PKPab	13:23:40.719	1.0	30.6		4.44		TAS					m_e	
IBBN	162.93		PKPdf	13:22:51.680	0.0	37.0		0.92		TAS					m_e	
IBBN	162.93		PKPab	13:23:39.236	-0.5	30.6		4.44		TAS					m_e	
MOX	163.38		PKPdf	13:22:51.491	-0.1	37.0		0.92		TAS					m_e	
MOX	163.38		PKPab	13:23:41.404	-0.9	30.6		4.44		TAS					m_e	
NRDL	162.21		PKPdf	13:22:50.549	-0.2	37.0		0.92		TAS					m_e	
NRDL	162.21		PKPab	13:23:36.041	0.2	30.6		4.44		TAS					m_e	
RJOB	165.27		PKPdf	13:22:53.242	-0.0	37.0		0.92		TAS					m_e	
RJOB	165.27		PKPab	13:23:49.163	0.7	30.6		4.44		TAS					m_e	
ROTZ	163.91		PKPdf	13:22:51.871	-0.1	37.0		0.92		TAS					m_e	
ROTZ	163.91		PKPab	13:23:43.800	-0.2	30.6		4.44		TAS					m_e	
ROTZ	163.91		pPKPab	13:24:03.498						T__					m_e	
STU	165.80		PKPdf	13:22:54.579	0.7	37.0		0.92		TAS					m_e	
STU	165.80		PKPab	13:23:52.244		30.6		4.44		TAS					m_e	
STU	165.80		pPKPab	13:24:13.103						T__					m_e	
TANN	163.28		PKPdf	13:22:51.542	0.1	37.0		0.92		TAS					m_e	
TNS	164.71		PKPdf	13:22:53.010	0.0	37.0		0.92		TAS					m_e	
TNS	164.71		PKPab	13:23:47.337	0.4	30.6		4.44		TAS					m_e	
WET	164.15		PKPdf	13:22:52.368	0.1	37.0		0.92		TAS					m_e	
WLF	165.76		PKPdf	13:22:54.133	-0.1	37.0		0.92		TAS					m_e	
WLF	165.76		PKPab	13:23:51.673		30.6		4.44		TAS					m_e	

Event 10418008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/18	13:03:19.17		0.91	40.3150	143.8950				33.0				141	81.17	81.17	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10418014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.17		P	13:15:30.198		37.2		4.54		TAS		8.9	1.00	m_e mb	4.7

Event 10418010 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
2011/04/18	18:02:42.43		0.91	39.8520	142.4600				33.0				11 141	79.04	83.24	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10418016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.24		P	18:15:04.308		35.8		5.34		TAS		14.3	1.12	m_e mb	5.1
BRG	79.04		P	18:14:42.017	-0.1	35.8		5.34		TAS		5.7	0.81	m_e mb	4.6
CLL	79.06		P	18:14:42.127	0.2	35.8		5.34		TAS		7.3	0.88	m_e mb	4.7
CLZ	79.60		P	18:14:45.315	0.2	35.8		5.34		TAS		31.3	1.65	m_e mb	5.0
GEC2	80.75		P	18:14:50.981	-0.3	35.8		5.34		TAS		12.7	1.56	m_e mb	4.7
GRA1	81.04		P	18:14:52.762		35.8		5.34		TAS		24.1	1.11	m_e mb	5.1
IBBN	80.14		P	18:14:47.865	-0.1	35.8		5.34		TAS		12.6	0.95	m_e mb	4.8
MOX	80.12		P	18:14:48.148	0.1	35.8		5.34		TAS		4.4	0.96	m_e mb	4.4
RJOB	82.00		P	18:14:58.348		35.8		5.34		TAS		7.5	1.06	m_e mb	4.7
ROTZ	80.60		P	18:14:50.652		35.8		5.34		TAS		32.2	1.81	m_e mb	5.1
TNS	81.63		P	18:14:56.051		35.8		5.34		TAS		5.1	0.99	m_e mb	4.6
WET	80.84		P	18:14:51.761		35.8		5.34		TAS		7.8	1.31	m_e mb	4.6

Event 10418011 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
2011/04/18	21:33:50.70		0.91	36.6800	141.3700				25.1				141	83.36	83.36	m i ke	NEIC

10418065

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10418017

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 83.36 P 21:46:26.833 38.2 4.83 TAS 9.9 1.01 m_e mb 5.0

Event 10419001 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
 2011/04/19 04:04:37.78 37.8700 143.0600 43.2 1.2 11 79.90 85.21 m i ke BGR
 10419007

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 10419007
 Ms 4.7 BGR 10419007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.83		P	04:17:02.615	0.1	36.3		5.19		TAS		35.5	1.28	m_e mb	5.4
AHRW	83.83		X	04:17:26.595		36.7		5.15		TAS				m_e	
BFO	85.21		P	04:17:09.626		36.3		5.19		TAS		22.4	0.94	m_e mb	5.4
BFO	85.21		pP	04:17:22.295						T__				m_e	
BFO	85.21		X	04:17:33.212		36.7		5.15		TAS				m_e	
BRG	80.99		P	04:16:47.883	-0.3	36.3		5.19		TAS		14.4	0.94	m_e mb	5.0
BRG	80.99		X	04:17:11.835	0.1	36.7		5.15		TAS				m_e	
BSEG	79.90		P	04:16:42.380	0.0	36.3		5.19		TAS		34.2	1.07	m_e mb	5.2
BSEG	79.90		X	04:17:05.939	-0.2	36.7		5.15		TAS				m_e	
CLL	81.02		P	04:16:47.350	-0.9	36.3		5.19		TAS		33.2	0.98	m_e mb	5.3
CLL	81.02		X	04:17:11.695	-0.2	36.7		5.15		TAS				m_e	
CLZ	81.57		P	04:16:51.344	0.2	36.3		5.19		TAS		34.6	1.17	m_e mb	5.4
FUR	84.20		P	04:17:04.834	-0.3	36.3		5.19		TAS		41.8	1.12	m_e mb	5.6
FUR	84.20		X	04:17:28.337		36.7		5.15		TAS				m_e	
GEC2	82.68		P	04:16:56.491	-0.4	36.3		5.19		TAS		7.1	0.87	m_e mb	4.9
GEC2	82.68		pP	04:17:09.308						T__				m_e	
GEC2	82.68		X	04:17:20.402	-0.3	36.7		5.15		TAS				m_e	
GRA1	82.99		P	04:16:58.799	0.3	36.3		5.19		TAS		64.2	1.60	m_e mb	5.6
GRA1	82.99		pP	04:17:10.958						T__				m_e	
GRA1	82.99		X	04:17:22.673		36.7		5.15		TAS				m_e	
GRA1	82.99		L	04:57:40.461						T__		305.6	18.70	a_e Ms	4.7
GTTG	81.96		P	04:16:53.563	0.4	36.3		5.19		TAS		24.4	1.10	m_e mb	5.2
GTTG	81.96		X	04:17:17.230	0.6	36.7		5.15		TAS				m_e	
IBBN	82.12		P	04:16:53.829	-0.1	36.3		5.19		TAS		32.7	0.89	m_e mb	5.5
MOX	82.08		P	04:16:53.918	0.2	36.3		5.19		TAS		14.3	1.06	m_e mb	5.0
MOX	82.08		pP	04:17:06.294						T__				m_e	
MOX	82.08		X	04:17:17.121	0.2	36.7		5.15		TAS				m_e	

NRDL	81.14	P	04:16:48.859	0.0	36.3	5.19	TAS	17.0	1.04	m_e mb	5.0
RJOB	83.93	P	04:17:03.503	0.0	36.3	5.19	TAS	17.8	1.05	m_e mb	5.2
ROTZ	82.55	P	04:16:56.846	0.6	36.3	5.19	TAS	43.6	1.67	m_e mb	5.4
STU	84.52	P	04:17:06.076	-0.4	36.3	5.19	TAS	25.5	0.75	m_e mb	5.5
STU	84.52	X	04:17:29.746		36.7	5.15	TAS			m_e	
TANN	81.93	P	04:16:53.030	0.0	36.3	5.19	TAS	32.9	2.03	m_e mb	5.1
TNS	83.60	P	04:17:01.816	-0.2	36.3	5.19	TAS	52.2	1.89	m_e mb	5.4
WET	82.78	P	04:16:58.000	0.6	36.3	5.19	TAS	13.3	1.09	m_e mb	5.1

Event 10419002 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/19	09:08:11.71			12.6350	43.2980				33.0					45.38	45.38	m i ke	BGR
OrigID 10419008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10419008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.38		P	09:16:27.744		121.9		8.46		TAS		11.1	1.49	m_e mb	4.6

Event 10419004 Eastern Gulf of Aden

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/19	09:37:37.21		0.26	11.0620	47.5260				33.0					212	48.80	48.80	m i ke	BGR
OrigID 10419010																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10419010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.80		P	09:46:19.896		124.2		7.91		TAS		3.7	0.92	m_e mb	4.4

Event 10419007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/19	11:33:24.90		0.63	-21.6700	169.6900				61.1					136	147.25	147.25	m i ke	NEIC
OrigID 10419061																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.25		PKP	11:53:00.069		39.1		2.16		TAS					m_e

Event 10419009 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
2011/04/19	12:55:33.55		0.15	40.5480	142.6850				33.0				188	80.52	80.52	m i ke	BGR
OrigID 10419015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10419015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.52		P	13:07:41.081		35.8		4.48		TAS		11.2	0.87	m_e mb	4.9

Event 10419010 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
2011/04/19	14:10:16.03		0.15	36.2840	140.8530				33.0				188	83.49	83.49	m i ke	BGR
OrigID 10419016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10419016
Ms	4.2		BGR	10419016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.49		P	14:22:39.291		43.7		4.51		TAS		35.0	1.02	m_e mb	5.5
GRA1	83.49		L	15:03:59.326						T__		90.6	19.30	a_e Ms	4.2

Event 10419011 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
2011/04/19	14:47:10.03		0.15	36.5240	141.6780				33.0				188	83.62	83.62	m i ke	BGR
OrigID 10419017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10419017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 83.62 P 14:59:33.923 43.0 4.50 TAS 7.7 0.95 m_e mb 4.9

Event 10419012 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/19	15:29:24.04		0.15	-20.9600	-177.3100				33.0			21	188	146.57	152.32	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	10419018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.28		PKPab	15:49:17.382	0.1	15.3		4.22		TAS				m_e	
BFO	152.32		PKPbc	15:49:16.220		15.7		2.49		TAS				m_e	
BFO	152.32		PKPab	15:49:25.746		15.3		4.22		TAS				m_e	
BRG	148.86		PKPdf	15:49:04.370	-0.1	5.0		1.29		TAS				m_e	
BRG	148.86		PKPbc	15:49:08.010	0.7	15.7		2.49		TAS				m_e	
BRG	148.86		PKPab	15:49:11.341	-0.1	15.3		4.22		TAS				m_e	
BSEG	146.57		PKPbc	15:49:01.737	-0.6	15.7		2.49		TAS				m_e	
BUG	149.37		PKPbc	15:49:09.095	0.1	15.7		2.49		TAS				m_e	
CLL	148.65		PKPbc	15:49:07.623	-0.1	15.7		2.49		TAS				m_e	
CLL	148.65		PKPab	15:49:10.256	-0.3	15.3		4.22		TAS				m_e	
CLZ	148.60		PKPdf	15:49:03.441	0.1	5.0		1.29		TAS				m_e	
CLZ	148.60		PKPbc	15:49:07.701	0.1	15.7		2.49		TAS				m_e	
FUR	151.99		PKPbc	15:49:15.755	-0.5	15.7		2.49		TAS				m_e	
FUR	151.99		PKPab	15:49:24.662		15.3		4.22		TAS				m_e	
GEC2	150.81		PKPdf	15:49:06.926		5.0		1.29		TAS				m_e	
GEC2	150.81		PKPbc	15:49:13.122	0.0	15.7		2.49		TAS				m_e	
GEC2	150.81		PKPab	15:49:19.705		15.3		4.22		TAS				m_e	
GRA1	150.54		PKPbc	15:49:12.425	0.1	15.7		2.49		TAS				m_e	
GRA1	150.54		PKPab	15:49:18.776	-0.2	15.3		4.22		TAS				m_e	
GRA1	150.54		L	17:04:16.720						T__		300.2	18.00	a_e Ms	5.1
GTTG	148.95		PKPbc	15:49:08.940	-0.4	15.7		2.49		TAS				m_e	
GTTG	148.95		PKPab	15:49:12.580	-0.2	15.3		4.22		TAS				m_e	
IBBN	148.47		PKPab	15:49:09.869	-0.2	15.3		4.22		TAS				m_e	
MOX	149.55		PKPdf	15:49:04.757		5.0		1.29		TAS				m_e	
MOX	149.55		PKPbc	15:49:09.792	0.2	15.7		2.49		TAS				m_e	
MOX	149.55		PKPab	15:49:13.974	0.4	15.3		4.22		TAS				m_e	
NRDL	148.00		PKPbc	15:49:05.532	-0.4	15.7		2.49		TAS				m_e	
RJOB	152.06		PKPbc	15:49:15.446		15.7		2.49		TAS				m_e	
RJOB	152.06		PKPab	15:49:25.437		15.3		4.22		TAS				m_e	
ROTZ	150.28		PKPbc	15:49:11.960	0.1	15.7		2.49		TAS				m_e	
STU	151.77		PKPbc	15:49:15.291	-0.7	15.7		2.49		TAS				m_e	
TANN	149.61		PKPdf	15:49:05.145		5.0		1.29		TAS				m_e	
TANN	149.61		PKPbc	15:49:10.101	0.4	15.7		2.49		TAS				m_e	
TANN	149.61		PKPab	15:49:14.439	0.1	15.3		4.22		TAS				m_e	

TNS	150.44	PKPbc	15:49:12.193	0.1	15.7	2.49	TAS	m_e
TNS	150.44	PKPab	15:49:17.847	0.3	15.3	4.22	TAS	m_e
WET	150.72	PKPdf	15:49:06.771		5.0	1.29	TAS	m_e
WET	150.72	PKPbc	15:49:12.812	0.4	15.7	2.49	TAS	m_e
WET	150.72	PKPab	15:49:19.473		15.3	4.22	TAS	m_e
WLF	151.22	PKPbc	15:49:14.594	-0.1	15.7	2.49	TAS	m_e

Event 10419013 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/19	16:27:25.48		0.15	34.2890	90.5960				12.7				188	58.29	58.29	m i ke	BGR
OrigID 10419019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10419019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	58.29		P	16:37:17.895		78.3		6.37		TAS		13.7	1.08	m_e	mb 4.9
GRA1	58.29		pP	16:37:21.396						T__				m_e	

Event 10419015 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/19	18:01:50.00		0.15	-22.1440	169.3960				36.8	0.8			14	188	145.51	149.51	m i ke	BGR
OrigID 10419021																		

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	145.51		PKPbc	18:21:22.419	-0.3	39.9		2.84		TAS				m_e	
CLL	145.59		PKPbc	18:21:22.631	-0.2	39.9		2.84		TAS				m_e	
CLZ	146.20		PKPbc	18:21:24.677	-0.2	39.9		2.84		TAS				m_e	
GEC2	147.09		PKPbc	18:21:27.570	0.5	39.9		2.84		TAS				m_e	
GEC2	147.09		pPKPbc	18:21:38.469						T__				m_e	
GRA1	147.56		PKPbc	18:21:28.627	-0.5	39.9		2.84		TAS		13.0	0.94	m_e	
GRA1	147.56		pPKPbc	18:21:39.924						T__				m_e	
GTTG	146.59		PKPbc	18:21:26.653	0.5	39.9		2.84		TAS				m_e	
IBBN	146.73		PKPbc	18:21:26.253	0.2	39.9		2.84		TAS				m_e	
MOX	146.66		PKPbc	18:21:26.441	-0.3	39.9		2.84		TAS				m_e	
MOX	146.66		pPKPbc	18:21:37.307						T__				m_e	
NRDL	145.77		PKPbc	18:21:23.407	-0.1	39.9		2.84		TAS				m_e	
RJOB	148.30		PKPbc	18:21:30.322		39.9		2.84		TAS				m_e	
ROTZ	147.08		PKPbc	18:21:27.711	0.1	39.9		2.84		TAS				m_e	

TANN	146.49	PKPbc	18:21:25.242	0.8	39.9	2.84	TAS	m_e
TANN	146.49	pPKPbc	18:21:36.181				T__	m_e
TNS	148.23	PKPbc	18:21:30.393		39.9	2.84	TAS	m_e
TNS	148.23	pPKPbc	18:21:42.157				T__	m_e
WLF	149.51	PKPbc	18:21:34.273		39.9	2.84	TAS	m_e

Event 10419016 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/19	19:29:09.86		0.15	35.4320	143.8370				33.0				188	85.42	85.42	m i ke	BGR
OrigID 10419022																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10419022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.42		P	19:41:42.903		39.7		4.25		TAS		6.5	0.97	m_e mb	4.8

Event 10419017 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/19	20:30:27.37		0.15	43.2420	-30.2660				33.0				188	29.00	29.00	m i ke	BGR
OrigID 10419023																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10419023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	29.00		P	20:36:23.676		271.9		8.68		TAS		8.0	1.23	m_e mb	4.4

Event 10419018 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
2011/04/19	23:07:03.36		0.15	34.2940	140.5780				17.6				188	85.09	85.09	m i ke	BGR
OrigID 10419024																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10419024

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	85.09	P	23:19:27.991	46.4	4.51	TAS	9.0	0.91	m_e	mb	5.0
GRA1	85.09	pP	23:19:33.097			T__	9.0	0.91	m_e		

Event 10419019 Near south coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/19	23:07:22.52		0.15	34.0890	139.3270				33.0				188	84.74	84.74	m i ke	BGR
OrigID 10419025																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10419025
Ms	4.9		BGR	10419025

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.74		P	23:19:52.212		46.6		4.43		TAS		18.4	0.98	m_e	mb 5.3
GRA1	84.74		L	00:23:54.324						T__		450.6	19.30	a_e	Ms 4.9

Event 10420001 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
2011/04/20	00:50:53.15			36.9740	141.3040				33.0					83.08	83.08	m i ke	BGR
OrigID 10420007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10420007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.08		P	01:03:14.262		42.4		4.50		TAS		12.7	1.02	m_e	mb 5.1

Event 10420002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/20	03:09:13.70			-20.8400	-175.5300				104.6					150.71	150.71	m i ke	NEIC
OrigID 10420056																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.71		PKP	03:28:53.406		13.0		1.44		TAS		9.4	0.97	m_e	

Event 10420003 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/20	05:21:23.79			31.7990	-39.8890				33.0					41.76	41.76	m i ke	BGR

OrigID
10420009

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10420009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	41.76		P	05:29:09.482		261.9		7.95		TAS		7.3	1.01	m_e mb	4.4

Event 10420006 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/20	11:31:32.31		0.08	3.5690	97.6650				33.0				233	85.00	85.00	m i ke	BGR

OrigID
10420012

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10420012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.00		P	11:44:04.692		105.8		4.29		TAS		5.5	0.90	m_e mb	4.8

Event 10420007 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/20	14:04:37.03	1.28	1.08	42.7910	15.2790	62.3	21.1	73	10.0				8 339	3.75	8.25	m i ke	BGR

OrigID
10420013

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	10420013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.46		Pn	14:05:42.173	-1.4					T__				m_e ML	3.8
GEC2	6.15		Pn	14:06:06.119	-0.7					T__				m_e	
KBA	4.50		Pn	14:05:44.743	0.7					T__				m_e ML	4.0
MOA	5.11		Sn	14:06:49.369	1.8					T__				m_e	
MOA	5.11		Pn	14:05:52.822	0.4					T__				m_e	
MOX	8.25		Sn	14:08:00.322	-1.9					T__				m_e	

OBKA	3.75	Pn	14:05:33.877	0.1	T__	m_e	ML	4.4
RJOB	5.25	Pn	14:05:55.214	0.9	T__	m_e		
WET	6.57	Sn	14:07:22.427	0.1	T__	m_e		

Event 10420009 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/20	16:33:16.24		0.78	37.6270	143.3280				52.6				243	83.31	83.31	m i ke	BGR
OrigID 10420015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10420015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.31		P	16:45:35.738		39.0		4.41		TAS		10.8	1.10	m_e mb	5.0
GRA1	83.31		pP	16:45:50.826						T__				m_e	

Event 10421001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/21	00:39:10.12			41.6400	143.9100				33.0				20	76.81	82.20	m i ke	BGR
OrigID 10421007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10421007
Ms	5.6		BGR	10421007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.74		P	00:51:22.546	-0.1	34.0		5.43		TAS		30.8	0.96	m_e mb	5.3
BFO	82.20		P	00:51:29.766	-0.8	34.0		5.43		TAS		22.4	0.83	m_e mb	5.3
BRG	78.05		P	00:51:07.963	-0.1	34.0		5.43		TAS		20.1	0.88	m_e mb	5.3
BSEG	76.81		P	00:51:01.302	0.0	34.0		5.43		TAS		66.0	0.88	m_e mb	5.8
CLL	78.04		P	00:51:07.663	-0.4	34.0		5.43		TAS		57.3	0.83	a_e mb	5.7
CLZ	78.53		P	00:51:10.649	-0.0	34.0		5.43		TAS		44.4	0.87	m_e mb	5.5
FUR	81.27		P	00:51:25.513	-0.0	34.0		5.43		TAS		107.8	0.86	a_e mb	5.9
GEC2	79.79		P	00:51:17.263	-0.2	34.0		5.43		TAS		22.1	0.90	a_e mb	5.1
GRA1	80.02		P	00:51:19.213	0.4	34.0		5.43		TAS		70.0	0.88	a_e mb	5.6
GRA1	80.02		L	01:33:59.984						T__		2583.4	18.60	a_e Ms	5.6
GTTG	78.92		P	00:51:13.463	0.7	34.0		5.43		TAS		37.8	0.80	a_e mb	5.5
IBBN	79.02		P	00:51:13.047	-0.2	34.0		5.43		TAS		65.1	0.87	m_e mb	5.7
MOX	79.09		P	00:51:13.713	-0.0	34.0		5.43		TAS		23.7	0.93	a_e mb	5.2
MOX	79.09		L	01:31:39.869						T__		2694.8	18.10	a_e Ms	5.6
NRDL	78.08		P	00:51:07.873	-0.3	34.0		5.43		TAS		19.6	0.87	m_e mb	5.3

RJOB	81.04	P	00:51:24.463	0.2	34.0	5.43	TAS	70.3	0.82	a_e	mb	5.7
ROTZ	79.60	P	00:51:16.351	-0.1	34.0	5.43	TAS	26.2	0.90	m_e	mb	5.2
STU	81.52	P	00:51:27.081	0.2	34.0	5.43	TAS	52.6	0.83	m_e	mb	5.7
TANN	78.97	P	00:51:13.216	0.1	34.0	5.43	TAS	8.3	0.88	m_e	mb	4.8
TNS	80.55	P	00:51:21.613	-0.0	34.0	5.43	TAS	22.0	0.86	a_e	mb	5.2
WET	79.86	P	00:51:18.263	0.4	34.0	5.43	TAS	39.4	0.92	a_e	mb	5.3
WLF	81.80	P	00:51:28.785	0.4	34.0	5.43	TAS	7.6	0.83	m_e	mb	4.9

Event 10421002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/21	01:54:41.51			40.5600	144.4500				30.5	1.1		21		77.96	83.34	m i ke	BGR
OrigID 10421008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10421008
Ms	5.8		BGR	10421008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.89		P	02:07:01.692	0.1	34.2		5.35		TAS				m_e	
BFO	83.34		P	02:07:08.887	-0.5	34.2		5.35		TAS		15.9	1.02	m_e	mb 5.2
BRG	79.19		P	02:06:47.035	-0.1	34.2		5.35		TAS		10.4	0.93	m_e	mb 4.9
BRG	79.19		pP	02:06:55.587						T__				m_e	
BSEG	77.96		P	02:06:40.591	0.1	34.2		5.35		TAS		32.8	1.01	m_e	mb 5.4
BUG	81.06		P	02:06:56.926	-0.2	34.2		5.35		TAS		27.4	1.12	m_e	mb 5.2
CLL	79.18		P	02:06:46.416	-0.7	34.2		5.35		TAS		18.5	0.81	m_e	mb 5.2
CLZ	79.68		P	02:06:49.968	0.2	34.2		5.35		TAS		20.6	0.91	m_e	mb 5.1
FUR	82.41		P	02:07:04.431	0.1	34.2		5.35		TAS		34.4	0.86	m_e	mb 5.5
GEC2	80.93		P	02:06:56.201	-0.2	34.2		5.35		TAS		8.7	0.92	m_e	mb 4.8
GEC2	80.93		pP	02:07:05.112						T__				m_e	
GRA1	81.16		P	02:06:58.007	0.3	34.2		5.35		TAS		39.1	1.02	m_e	mb 5.4
GRA1	81.16		L	02:49:29.416						T__		4140.9	20.70	a_e	Ms 5.8
GTTG	80.07		P	02:06:52.442	0.6	34.2		5.35		TAS		19.3	0.97	m_e	mb 5.0
IBBN	80.16		P	02:06:52.352	0.1	34.2		5.35		TAS				m_e	
IBBN	80.16		pP	02:07:01.269						T__				m_e	
MOX	80.23		P	02:06:52.649	-0.1	34.2		5.35		TAS		11.7	0.97	m_e	mb 4.8
MOX	80.23		pP	02:07:01.798						T__				m_e	
MOX	80.23		L	02:48:07.065						T__		5362.8	18.50	a_e	Ms 5.9
NRDL	79.23		P	02:06:47.109	-0.2	34.2		5.35		TAS		10.6	0.92	m_e	mb 4.9
RJOB	82.18		P	02:07:03.398	0.3	34.2		5.35		TAS				m_e	
ROTZ	80.74		P	02:06:55.845	0.4	34.2		5.35		TAS				m_e	
ROTZ	80.74		pP	02:07:04.421						T__				m_e	
STU	82.66		P	02:07:05.526	-0.2	34.2		5.35		TAS		17.2	0.77	m_e	mb 5.4
TANN	80.11		P	02:06:51.923	-0.2	34.2		5.35		TAS		8.3	1.09	m_e	mb 4.6
TNS	81.70		P	02:07:00.466	-0.1	34.2		5.35		TAS		9.7	0.91	m_e	mb 4.9
WET	81.00		P	02:06:57.089	0.3	34.2		5.35		TAS		21.8	1.04	m_e	mb 5.1

WLF 82.95 P 02:07:07.290 0.1 34.2 5.35 TAS m_e

Event 10421003 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
2011/04/21	03:08:52.64			38.8740	139.9470				33.0					80.90	80.90	m i ke	BGR
OrigID 10421009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10421009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.90		P	03:21:02.271		40.5		4.55		TAS		7.0	0.76	m_e mb	4.8

Event 10421005 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
2011/04/21	08:18:21.06		1.00	39.0900	142.3200				27.7	0.7		21	141	78.55	83.86	m i ke	BGR
OrigID 10421011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10421011
Ms	4.8		BGR	10421011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.48		P	08:30:37.371	-0.1	36.3		5.28		TAS		29.9	1.04	a_e mb	5.4
BFO	83.86		P	08:30:44.421	-0.4	36.3		5.28		TAS		59.8	1.18	a_e mb	5.7
BRG	79.65		P	08:30:22.369	-0.2	36.3		5.28		TAS		38.1	1.05	m_e mb	5.3
BRG	79.65		pP	08:30:30.426	0.2					T__				m_e	
BSEG	78.55		P	08:30:16.771	0.0	36.3		5.28		TAS		61.7	0.98	a_e mb	5.6
BSEG	78.55		pP	08:30:24.478	0.2					T__				m_e	
BUG	81.66		P	08:30:32.821	-0.3	36.3		5.28		TAS				a_e	
CLL	79.67		P	08:30:22.221	-0.5	36.3		5.28		TAS		60.1	0.98	m_e mb	5.5
CLL	79.67		pP	08:30:30.416	0.2					T__				m_e	
CLZ	80.23		P	08:30:25.617	0.2	36.3		5.28		TAS		66.7	1.15	m_e mb	5.5
FUR	82.86		P	08:30:39.471	-0.1	36.3		5.28		TAS				a_e	
GEC2	81.34		P	08:30:31.271	-0.2	36.3		5.28		TAS		22.5	1.08	a_e mb	5.1
GRA1	81.65		P	08:30:33.521	0.4	36.3		5.28		TAS		64.8	0.96	a_e mb	5.7
GRA1	81.65		L	09:10:11.436						T__		373.0	19.20	a_e Ms	4.8
GTTG	80.61		P	08:30:28.171	0.5	36.3		5.28		TAS		42.0	1.04	a_e mb	5.4
IBBN	80.77		P	08:30:28.421	-0.0	36.3		5.28		TAS				a_e	
MOX	80.73		P	08:30:28.271	-0.0	36.3		5.28		TAS		40.8	1.32	a_e mb	5.3
MOX	80.73		L	09:09:42.888						T__		402.4	18.00	a_e Ms	4.8

NRDL	79.79	P	08:30:23.221	-0.1	36.3	5.28	TAS	29.1	1.14	a_e	mb	5.1
RJOB	82.59	P	08:30:38.221	0.1	36.3	5.28	TAS	50.8	1.02	a_e	mb	5.7
ROTZ	81.20	P	08:30:31.371	0.6	36.3	5.28	TAS	61.3	1.51	a_e	mb	5.4
STU	83.17	P	08:30:40.971	-0.2	36.3	5.28	TAS	43.2	1.20	a_e	mb	5.6
TANN	80.59	P	08:30:27.302	-0.2	36.3	5.28	TAS	12.3	1.03	m_e	mb	4.9
TNS	82.25	P	08:30:36.271	-0.0	36.3	5.28	TAS	18.6	0.99	a_e	mb	5.2
WET	81.44	P	08:30:32.271	0.3	36.3	5.28	TAS	32.1	1.16	a_e	mb	5.2
WLF	83.54	P	08:30:43.421	0.3	36.3	5.28	TAS			a_e		

Event 10421008 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
2011/04/21	13:37:02.50		0.12	35.8000	140.8300				33.0				21 234	80.94	86.15	m i ke	BGR
OrigID 10421014																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10421014
MBB	6.4		BGR	10421014
Ms	5.9		BGR	10421014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.85		P	13:49:33.176	-0.0	39.0		5.11		TAS		145.4	1.14	m_e	MBB 6.3
BFO	86.15		P	13:49:39.646	-0.2	39.0		5.11		TAS		206.2	1.17	m_e	MBB 6.3
BRG	81.87		P	13:49:17.808	-0.2	39.0		5.11		TAS		55.7	1.09	m_e	MBB 6.3
BSEG	80.94		P	13:49:12.923	-0.3	39.0		5.11		TAS		208.5	1.14	a_e	MBB 6.3
BUG	84.06		P	13:49:29.267	0.1	39.0		5.11		TAS				m_e	
CLL	81.93		P	13:49:17.900	-0.4	39.0		5.11		TAS		180.8	1.09	m_e	MBB 6.3
CLZ	82.56		P	13:49:21.473	-0.0	39.0		5.11		TAS		177.6	1.01	a_e	MBB 6.5
FUR	85.07		P	13:49:34.173	-0.2	39.0		5.11		TAS		123.5	0.94	a_e	MBB 6.5
GEC2	83.51		P	13:49:26.434	0.1	39.0		5.11		TAS		67.1	1.14	m_e	MBB 6.3
GRA1	83.90		P	13:49:28.723	0.3	39.0		5.11		TAS		254.2	1.14	a_e	MBB 6.6
GRA1	83.90		L	14:31:07.668						T__		7114.0	20.40	a_e	Ms 6.0
GTTG	82.95		P	13:49:23.673	0.2	39.0		5.11		TAS		124.6	1.07	a_e	MBB 6.3
IBBN	83.18		P	13:49:24.822	0.2	39.0		5.11		TAS		210.5	1.12	m_e	MBB 6.5
MOX	83.00		P	13:49:24.026	0.2	39.0		5.11		TAS		67.6	1.08	m_e	MBB 6.3
MOX	83.00		L	14:29:42.750						T__		4605.7	21.70	a_e	Ms 5.8
NRDL	82.15		P	13:49:19.577	0.2	39.0		5.11		TAS		78.3	1.24	m_e	MBB 6.2
RJOB	84.75		P	13:49:32.823	0.1	39.0		5.11		TAS				a_e	
ROTZ	83.44		P	13:49:26.284	0.3	39.0		5.11		TAS		121.9	1.17	m_e	MBB 6.4
STU	85.45		P	13:49:35.873	-0.4	39.0		5.11		TAS		246.6	1.14	a_e	MBB 6.5
TANN	82.83		P	13:49:22.935	0.0	39.0		5.11		TAS		41.9	1.15	m_e	MBB 6.3
TNS	84.59		P	13:49:31.773	-0.1	39.0		5.11		TAS		105.9	1.22	a_e	MBB 6.3
WET	83.63		P	13:49:27.123	0.1	39.0		5.11		TAS		85.6	1.23	a_e	MBB 6.4
WLF	85.91		P	13:49:38.673	0.0	39.0		5.11		TAS		200.0	1.38	a_e	MBB 6.3

Event 10421010 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
2011/04/21	16:11:24.76		0.46	38.0000	142.0600				33.0				21 243	79.43	84.71	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10421016
Ms	5.3		BGR	10421016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.36		P	16:23:39.820	0.0	37.0		5.21		TAS		65.8	1.34	a_e mb	5.7
BFO	84.71		P	16:23:46.520	-0.4	37.0		5.21		TAS		146.7	1.41	a_e mb	6.0
BRG	80.48		P	16:23:24.670	-0.2	37.0		5.21		TAS		67.7	1.21	m_e mb	5.4
BSEG	79.43		P	16:23:19.370	0.0	37.0		5.21		TAS		88.7	1.16	a_e mb	5.7
BUG	82.54		P	16:23:35.320	-0.2	37.0		5.21		TAS		75.0	1.45	a_e mb	5.7
CLL	80.52		P	16:23:24.570	-0.5	37.0		5.21		TAS		91.2	1.07	a_e mb	5.7
CLZ	81.09		P	16:23:28.270	0.2	37.0		5.21		TAS		128.9	1.30	a_e mb	5.8
FUR	83.69		P	16:23:41.570	-0.1	37.0		5.21		TAS		107.1	0.88	a_e mb	6.1
GEC2	82.16		P	16:23:33.370	-0.3	37.0		5.21		TAS		49.6	1.27	a_e mb	5.5
GRA1	82.49		P	16:23:35.770	0.4	37.0		5.21		TAS		213.4	1.49	a_e mb	6.1
GRA1	82.49		L	17:04:39.881						T__		1157.6	21.00	a_e Ms	5.2
GTTG	81.48		P	16:23:30.620	0.5	37.0		5.21		TAS		90.0	1.27	a_e mb	5.6
IBBN	81.66		P	16:23:30.870	-0.1	37.0		5.21		TAS		129.0	1.40	a_e mb	5.9
MOX	81.58		P	16:23:30.520	-0.1	37.0		5.21		TAS		68.5	1.38	a_e mb	5.6
MOX	81.58		L	17:04:20.894						T__		1350.8	20.10	a_e Ms	5.3
NRDL	80.66		P	16:23:25.720	-0.1	37.0		5.21		TAS		49.9	1.15	a_e mb	5.4
RJOB	83.41		P	16:23:40.320	0.2	37.0		5.21		TAS		72.2	1.12	a_e mb	5.8
ROTZ	82.04		P	16:23:33.520	0.5	37.0		5.21		TAS		115.7	1.43	a_e mb	5.8
STU	84.02		P	16:23:43.120	-0.2	37.0		5.21		TAS		87.7	1.14	a_e mb	5.9
TANN	81.43		P	16:23:29.820	-0.0	37.0		5.21		TAS		51.6	1.43	a_e mb	5.4
TNS	83.12		P	16:23:38.670	0.1	37.0		5.21		TAS		44.7	1.29	a_e mb	5.5
WET	82.26		P	16:23:34.370	0.2	37.0		5.21		TAS		64.6	1.26	a_e mb	5.6
WLF	84.42		P	16:23:45.520	0.2	37.0		5.21		TAS		159.3	1.71	a_e mb	6.0

Event 10422001 Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/22	03:13:24.66		0.39	40.6700	132.8470				33.0				249	76.43	76.43	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10422007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.43		P	03:25:09.689		40.0		4.57		TAS		9.2	0.92	m_e	mb 4.9

Event 10422003 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
2011/04/22	10:28:30.38		0.31	40.6490	142.4610				33.0				252	80.35	80.35	m i ke	BGR
OrigID 10422009																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.8			BGR	10422009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.35		P	10:40:40.304		36.8		4.52		TAS		13.0	1.11	m_e	mb 4.8

Event 10422004 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
2011/04/22	15:25:24.92		0.31	37.6800	141.3900				33.0				20 252	79.48	84.73	m i ke	BGR
OrigID 10422010																	

Magnitude	Err	Nsta	Author	OrigID
mb 5.6			BGR	10422010
Ms 4.5			BGR	10422010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.40		P	15:37:44.452	-0.1	37.6		5.21		TAS		45.0	1.26	a_e	mb 5.6
BFO	84.73		P	15:37:51.102	-0.4	37.6		5.21		TAS		91.5	1.20	a_e	mb 5.9
BRG	80.49		P	15:37:29.202	-0.2	37.6		5.21		TAS		40.0	0.98	m_e	mb 5.3
BSEG	79.48		P	15:37:24.052	-0.0	37.6		5.21		TAS		77.0	1.26	a_e	mb 5.6
CLL	80.53		P	15:37:29.152	-0.5	37.6		5.21		TAS		83.2	1.12	a_e	mb 5.7
CLZ	81.12		P	15:37:32.902	0.2	37.6		5.21		TAS		101.5	1.35	a_e	mb 5.7
FUR	83.69		P	15:37:46.052	-0.1	37.6		5.21		TAS		89.1	0.86	a_e	mb 6.0
GEC2	82.15		P	15:37:37.802	-0.3	37.6		5.21		TAS		36.7	1.26	a_e	mb 5.4
GRA1	82.50		P	15:37:40.302	0.4	37.6		5.21		TAS		117.7	1.23	a_e	mb 6.0
GRA1	82.50		L	16:11:52.711						T__		188.7	21.80	a_e	Ms 4.4
GTTG	81.51		P	15:37:35.152	0.4	37.6		5.21		TAS		63.5	1.24	a_e	mb 5.6
IBBN	81.71		P	15:37:35.552	-0.1	37.6		5.21		TAS		97.7	1.22	a_e	mb 5.8
MOX	81.59		P	15:37:35.102	-0.1	37.6		5.21		TAS		36.2	1.19	a_e	mb 5.4
MOX	81.59		L	16:18:14.842						T__		226.4	19.00	a_e	Ms 4.5
NRDL	80.70		P	15:37:30.352	-0.1	37.6		5.21		TAS		31.8	1.05	a_e	mb 5.3
RJOB	83.40		P	15:37:44.752	0.2	37.6		5.21		TAS		56.5	1.02	a_e	mb 5.7
ROTZ	82.05		P	15:37:38.052	0.5	37.6		5.21		TAS		56.9	1.17	a_e	mb 5.6

STU	84.04	P	15:37:47.652	-0.3	37.6	5.21	TAS	92.2	1.18	a_e	mb	5.9
TANN	81.44	P	15:37:34.352	-0.0	37.6	5.21	TAS	51.4	1.71	a_e	mb	5.3
TNS	83.15	P	15:37:43.252	-0.0	37.6	5.21	TAS	25.5	1.07	a_e	mb	5.4
WET	82.26	P	15:37:38.902	0.2	37.6	5.21	TAS	43.8	1.20	a_e	mb	5.5
WLF	84.46	P	15:37:50.252	0.2	37.6	5.21	TAS	86.1	1.59	a_e	mb	5.7

Event 10422005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/22	16:27:41.15		0.31	37.7600	144.2000				38.7	0.4		20	252	80.39	85.73	m i ke	BGR
OrigID 10422011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10422011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.32		P	16:40:11.387	-0.3	35.5		5.14		TAS				m_e		
BFO	85.73		P	16:40:18.503	-0.4	35.5		5.14		TAS		27.3	1.14	a_e	mb	5.3
BRG	81.53		P	16:39:57.153	-0.2	35.5		5.14		TAS		12.9	0.86	m_e	mb	5.1
BRG	81.53		pP	16:40:08.394	0.5					T__				m_e		
BSEG	80.39		P	16:39:51.403	-0.0	35.5		5.14		TAS		20.8	0.87	a_e	mb	5.1
BSEG	80.39		pP	16:40:02.587	0.5					T__				m_e		
CLL	81.55		P	16:39:57.070	-0.4	35.5		5.14		TAS		33.1	0.91	m_e	mb	5.5
CLL	81.55		pP	16:40:08.419	0.5					T__				m_e		
CLZ	82.08		P	16:40:00.353	0.2	35.5		5.14		TAS		23.3	1.12	a_e	mb	5.2
FUR	84.75		P	16:40:13.853	-0.1	35.5		5.14		TAS				a_e		
GEC2	83.24		P	16:40:05.939	-0.2	35.5		5.14		TAS		8.5	0.88	m_e	mb	5.0
GRA1	83.52		P	16:40:08.003	0.4	35.5		5.14		TAS				a_e		
GTTG	82.47		P	16:40:02.298	0.5	35.5		5.14		TAS				m_e		
IBBN	82.61		P	16:40:02.855	-0.1	35.5		5.14		TAS		27.3	0.88	m_e	mb	5.5
MOX	82.60		P	16:40:02.753	-0.1	35.5		5.14		TAS		8.8	0.99	a_e	mb	4.9
NRDL	81.64		P	16:39:57.753	-0.1	35.5		5.14		TAS		13.8	1.24	a_e	mb	4.9
NRDL	81.64		pP	16:40:08.927	0.5					T__				m_e		
RJOB	84.49		P	16:40:12.703	0.1	35.5		5.14		TAS		22.4	1.14	a_e	mb	5.3
ROTZ	83.09		P	16:40:05.636	0.5	35.5		5.14		TAS				m_e		
STU	85.04		P	16:40:15.203	-0.2	35.5		5.14		TAS		29.9	0.97	a_e	mb	5.5
TANN	82.47		P	16:40:02.103	-0.1	35.5		5.14		TAS		8.8	1.13	a_e	mb	4.8
TNS	84.11		P	16:40:10.603	0.0	35.5		5.14		TAS				a_e		
WET	83.33		P	16:40:06.853	0.2	35.5		5.14		TAS		18.7	1.39	a_e	mb	5.1
WLF	85.38		P	16:40:17.353	0.3	35.5		5.14		TAS				a_e		

Event 10422006 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
 2011/04/22 17:14:58.29 0.31 -23.4100 -174.9100 33.0 16 252 149.26 155.00 m i ke BGR
 10422012

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.87		PKPbc	17:34:46.300		11.0		2.32		TAS					m_e
BFO	155.00		PKPdf	17:34:41.524		11.0		2.32		TAS					m_e
BFO	155.00		PKPbc	17:34:50.585		11.0		2.32		TAS					m_e
BRG	151.74		PKPbc	17:34:43.588	0.1	11.0		2.32		TAS					m_e
BSEG	149.26		PKPdf	17:34:33.290		11.0		2.32		TAS					m_e
BSEG	149.26		PKPbc	17:34:37.281	-0.3	11.0		2.32		TAS					m_e
CLL	151.48		PKPbc	17:34:42.936	0.1	11.0		2.32		TAS					m_e
CLZ	151.32		PKPbc	17:34:42.573	0.2	11.0		2.32		TAS					m_e
FUR	154.81		PKPdf	17:34:41.690		11.0		2.32		TAS					m_e
GEC2	153.72		PKPdf	17:34:40.227		11.0		2.32		TAS					m_e
GEC2	153.72		PKPbc	17:34:47.937		11.0		2.32		TAS					m_e
GRA1	153.33		PKPbc	17:34:46.850		11.0		2.32		TAS					m_e
GTTG	151.66		PKPbc	17:34:43.480	0.6	11.0		2.32		TAS					m_e
IBBN	151.08		PKPbc	17:34:41.848	-0.0	11.0		2.32		TAS					m_e
MOX	152.34		PKPbc	17:34:44.675	-0.0	11.0		2.32		TAS					m_e
NRDL	150.71		PKPdf	17:34:35.839		11.0		2.32		TAS					m_e
NRDL	150.71		PKPbc	17:34:40.616	-0.3	11.0		2.32		TAS					m_e
RJOB	154.96		PKPdf	17:34:41.264		11.0		2.32		TAS					m_e
ROTZ	153.11		PKPdf	17:34:39.294		11.0		2.32		TAS					m_e
ROTZ	153.11		PKPbc	17:34:46.107		11.0		2.32		TAS					m_e
STU	154.48		PKPdf	17:34:41.131		11.0		2.32		TAS					m_e
TANN	152.44		PKPbc	17:34:44.965	-0.0	11.0		2.32		TAS					m_e
TNS	153.11		PKPbc	17:34:46.343	-0.1	11.0		2.32		TAS					m_e
WET	153.59		PKPdf	17:34:39.789		11.0		2.32		TAS					m_e
WET	153.59		PKPbc	17:34:47.647		11.0		2.32		TAS					m_e

Event 10422007 Eastern Kazakhstan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/04/22 23:11:45.17 0.31 48.2690 79.5080 22.1 252 43.42 43.42 m i ke BGR
 10422013

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10422013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	43.42		P	23:19:39.803		68.8		6.96		TAS		22.3	1.21	m_e mb	4.8
GRA1	43.42		pP	23:19:45.684						T__					m_e

Event 10422008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/22	23:15:23.70		0.31	36.6780	142.2800				33.0				252	83.72	83.72	m i ke	BGR
OrigID 10422014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10422014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.72		P	23:27:52.917		42.3		4.54		TAS		4.2	0.81	m_e mb	4.7

Event 10423002 New Caledonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/23	04:16:30.83		0.52	-23.4000	166.6800				72.4	0.8		20	220	144.70	149.76	m i ke	BGR
OrigID 10423008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.7		BGR	10423008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.60		PKPdf	04:36:06.299		43.8		1.75		TAS				m_e	
BFO	149.76		PKPdf	04:36:08.416	-0.2	43.8		1.75		TAS				m_e	
BRG	145.38		PKPdf	04:36:00.515	-0.2	43.8		1.75		TAS				m_e	
BRG	145.38		pPKPdf	04:36:21.267						T__				m_e	
BSEG	144.70		PKPdf	04:35:59.372	-0.2	43.8		1.75		TAS				m_e	
CLL	145.52		PKPdf	04:36:00.791	-0.2	43.8		1.75		TAS				m_e	
CLL	145.52		pPKPdf	04:36:21.543						T__				m_e	
CLZ	146.27		PKPdf	04:36:02.475	0.4	43.8		1.75		TAS				m_e	
CLZ	146.27		pPKPdf	04:36:23.320						T__				m_e	
FUR	148.50		PKPdf	04:36:06.068		43.8		1.75		TAS				m_e	
GEC2	146.84		PKPdf	04:36:03.460		43.8		1.75		TAS				m_e	
GRA1	147.46		PKPdf	04:36:04.180	-0.2	43.8		1.75		TAS				m_e	
GRA1	147.46		L	05:35:50.121						T__		18513.6	22.00	a_e Ms	6.8
GTTG	146.66		PKPdf	04:36:03.066	0.1	43.8		1.75		TAS				m_e	
IBBN	146.94		PKPdf	04:36:03.724	0.0	43.8		1.75		TAS				m_e	
MOX	146.61		PKPdf	04:36:03.048	-0.2	43.8		1.75		TAS				m_e	
MOX	146.61		pPKPdf	04:36:23.520						T__				m_e	
MOX	146.61		L	05:35:31.657						T__		12677.9	22.00	a_e Ms	6.7
NRDL	145.88		PKPdf	04:36:01.650	0.3	43.8		1.75		TAS				m_e	
RJOB	148.02		PKPdf	04:36:05.274		43.8		1.75		TAS				m_e	
ROTZ	146.95		PKPdf	04:36:03.595		43.8		1.75		TAS				m_e	

STU	149.05	PKPdf	04:36:06.776	43.8	1.75	TAS	m_e
TANN	146.38	PKPdf	04:36:02.497	-0.3 43.8	1.75	TAS	m_e
TANN	146.38	pPKPdf	04:36:23.063			T__	m_e
TNS	148.29	PKPdf	04:36:05.660	-0.2 43.8	1.75	TAS	m_e
WET	147.05	PKPdf	04:36:03.934	43.8	1.75	TAS	m_e
WLF	149.66	PKPdf	04:36:08.189	43.8	1.75	TAS	m_e

Event 10423004 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																	
2011/04/23	10:12:45.08		0.38	39.5000	143.5000				44.2	0.8		20	238	78.59	83.94	m i ke	BGR
10423010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10423010
MBB	6.3		BGR	10423010
Ms	5.9		BGR	10423010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.52		P	10:25:07.065	-0.0	35.2		5.29		TAS		96.7	1.35	a_e	MBB 6.4
BFO	83.94		P	10:25:14.215	-0.4	35.2		5.29		TAS		174.9	1.53	a_e	MBB 6.6
BRG	79.75		P	10:24:52.315	-0.2	35.2		5.29		TAS		65.0	1.08	a_e	MBB 6.1
BSEG	78.59		P	10:24:46.315	0.0	35.2		5.29		TAS		98.9	1.01	a_e	MBB 6.3
CLL	79.76		P	10:24:52.015	-0.6	35.2		5.29		TAS		92.3	0.93	a_e	MBB 6.1
CLZ	80.29		P	10:24:55.465	0.1	35.2		5.29		TAS		111.4	1.05	a_e	MBB 6.2
FUR	82.97		P	10:25:09.515	-0.0	35.2		5.29		TAS		122.2	1.01	a_e	MBB 6.7
GEC2	81.46		P	10:25:01.365	-0.2	35.2		5.29		TAS		75.0	1.48	a_e	MBB 6.1
GRA1	81.74		P	10:25:03.315	0.3	35.2		5.29		TAS		166.8	1.10	a_e	MBB 6.6
GRA1	81.74		L	11:03:48.278						T__		4223.5	21.00	a_e	Ms 5.8
GTTG	80.68		P	10:24:57.765	0.4	35.2		5.29		TAS		83.9	1.08	a_e	MBB 6.2
IBBN	80.81		P	10:24:57.915	-0.1	35.2		5.29		TAS		128.0	1.01	a_e	MBB 6.4
MOX	80.81		P	10:24:58.015	-0.1	35.2		5.29		TAS		70.1	1.13	a_e	MBB 6.1
MOX	80.81		pP	10:25:11.045						T__					m_e
MOX	80.81		L	11:05:08.335						T__		6273.8	18.00	a_e	Ms 6.0
NRDL	79.85		P	10:24:52.915	-0.0	35.2		5.29		TAS		63.3	1.12	a_e	MBB 6.1
RJOB	82.71		P	10:25:08.415	0.2	35.2		5.29		TAS		124.4	1.28	a_e	MBB 6.6
ROTZ	81.30		P	10:25:01.115	0.4	35.2		5.29		TAS		117.8	1.33	a_e	MBB 6.3
ROTZ	81.30		pP	10:25:13.661						T__					m_e
STU	83.25		P	10:25:10.815	-0.2	35.2		5.29		TAS		101.5	1.05	a_e	MBB 6.6
TANN	80.68		P	10:24:57.415	-0.0	35.2		5.29		TAS		63.7	1.38	m_e	MBB 6.1
TNS	82.31		P	10:25:06.065	0.0	35.2		5.29		TAS		55.0	1.00	a_e	MBB 6.1
WET	81.55		P	10:25:02.265	0.2	35.2		5.29		TAS		122.8	1.45	a_e	MBB 6.4
WLF	83.58		P	10:25:12.815	0.1	35.2		5.29		TAS		180.0	1.53	a_e	MBB 6.5

Event 10423006 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/23	19:34:30.51		0.53	35.9890	143.0410				33.0				248	84.62	84.62	m i ke	BGR
OrigID 10423012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10423012
Ms	4.1		BGR	10423012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.62		P	19:46:59.528		40.0		4.31		TAS		21.1	1.46	m_e	mb 5.2
GRA1	84.62		L	20:26:16.733						T__		80.1	19.80	a_e	Ms 4.1

Event 10423007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/23	21:09:04.45		0.53	-18.5500	-178.6800				33.0				20	248	144.00	149.75	m i ke	BGR
OrigID 10423013																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.75		PKPbc	21:27:52.178	0.5	17.2		3.11		TAS				a_e	
BFO	149.75		PKPbc	21:27:57.228	-0.5	17.2		3.11		TAS				a_e	
BRG	146.22		PKPbc	21:27:46.778	-0.0	17.2		3.11		TAS				a_e	
BSEG	144.00		PKPbc	21:27:39.650	-0.1	17.2		3.11		TAS				m_e	
CLL	146.03		PKPbc	21:27:45.778	-0.4	17.2		3.11		TAS				a_e	
CLZ	146.02		PKPbc	21:27:46.078	-0.0	17.2		3.11		TAS				a_e	
FUR	149.37		PKPbc	21:27:56.284	-0.2	17.2		3.11		TAS				m_e	
GEC2	148.16		PKPbc	21:27:52.928	-0.0	17.2		3.11		TAS				a_e	
GRA1	147.93		PKPbc	21:27:52.343	0.3	17.2		3.11		TAS				m_e	
GTTG	146.37		PKPbc	21:27:47.628	0.4	17.2		3.11		TAS				a_e	
IBBN	145.94		PKPbc	21:27:45.628	-0.4	17.2		3.11		TAS				m_e	
MOX	146.94		PKPbc	21:27:49.128	0.2	17.2		3.11		TAS				a_e	
NRDL	145.43		PKPbc	21:27:43.809	-0.7	17.2		3.11		TAS				m_e	
RJOB	149.41		PKPbc	21:27:56.375	-0.4	17.2		3.11		TAS				m_e	
ROTZ	147.65		PKPbc	21:27:51.878	0.7	17.2		3.11		TAS				a_e	
STU	149.19		PKPbc	21:27:55.878	-0.1	17.2		3.11		TAS				a_e	
TANN	146.99		PKPbc	21:27:49.478	0.4	17.2		3.11		TAS				a_e	
TNS	147.89		PKPbc	21:27:52.578	0.6	17.2		3.11		TAS				a_e	
WET	148.08		PKPbc	21:27:52.470	-0.1	17.2		3.11		TAS				m_e	
WLF	148.72		PKPbc	21:27:54.634	-0.2	17.2		3.11		TAS				m_e	

Event 10423008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/23	21:59:40.72		0.53	37.0710	142.5740				33.0				248	83.50	83.50	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10423014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.50		P	22:12:03.984		39.8		4.40		TAS		10.0	1.13	m_e mb	4.9

Event 10424001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/24	16:18:46.97		0.53	39.8180	143.0740				33.0				248	81.30	81.30	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10424007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.30		P	16:30:58.703		38.0		4.53		TAS		8.2	1.40	m_e mb	4.5

Event 10424002 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
2011/04/24	21:06:43.72		0.53	36.5500	140.1400				33.0				20 248	80.02	85.22	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10424008
Ms	5.0		BGR	10424008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.93		P	21:19:11.666	-0.2	38.6		5.16		TAS		32.6	1.32	m_e mb	5.4
BFO	85.22		P	21:19:17.841	0.5	38.6		5.16		TAS		25.1	1.05	m_e mb	5.4
BRG	80.94		P	21:18:56.141	-0.1	38.6		5.16		TAS		29.6	1.55	m_e mb	5.1
BSEG	80.02		P	21:18:51.256	0.0	38.6		5.16		TAS		32.2	1.12	m_e mb	5.2
CLL	81.00		P	21:18:56.329	-0.4	38.6		5.16		TAS		23.8	0.86	m_e mb	5.2
CLZ	81.64		P	21:18:59.891	0.2	38.6		5.16		TAS		33.7	1.32	a_e mb	5.3

FUR	84.14	P	21:19:12.491	-0.2	38.6	5.16	TAS	16.7	0.95	a_e	mb	5.2
GEC2	82.58	P	21:19:04.725	-0.3	38.6	5.16	TAS	16.4	1.40	m_e	mb	5.1
GRA1	82.97	P	21:19:06.991	0.3	38.6	5.16	TAS	60.4	1.18	a_e	mb	5.7
GRA1	82.97	L	21:59:28.821				T__	674.8	19.70	a_e	Ms	5.0
GTTG	82.03	P	21:19:02.041	0.4	38.6	5.16	TAS	26.8	1.36	a_e	mb	5.2
IBBN	82.26	P	21:19:03.017	-0.2	38.6	5.16	TAS	18.0	1.00	m_e	mb	5.2
MOX	82.07	P	21:19:01.991	-0.0	38.6	5.16	TAS	23.4	1.47	a_e	mb	5.1
MOX	82.07	L	22:00:24.850				T__	601.7	19.20	a_e	Ms	5.0
NRDL	81.23	P	21:18:57.441	-0.1	38.6	5.16	TAS	23.6	1.58	a_e	mb	5.0
RJOB	83.81	P	21:19:11.091	0.0	38.6	5.16	TAS	22.4	1.38	a_e	mb	5.2
ROTZ	82.51	P	21:19:04.437	0.5	38.6	5.16	TAS	37.0	1.32	m_e	mb	5.4
STU	84.52	P	21:19:14.312	-0.5	38.6	5.16	TAS	46.3	1.37	m_e	mb	5.5
TANN	81.91	P	21:19:01.420	0.0	38.6	5.16	TAS	20.2	1.53	m_e	mb	5.0
TNS	83.66	P	21:19:10.453	-0.1	38.6	5.16	TAS	27.5	1.44	m_e	mb	5.3
WET	82.70	P	21:19:05.491	0.2	38.6	5.16	TAS	22.1	1.43	a_e	mb	5.2
WLF	84.99	P	21:19:16.966	-0.1	38.6	5.16	TAS	49.4	1.46	m_e	mb	5.5

Event 10425001 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	00:54:26.66		0.53	35.3000	72.7100				166.2	7.5		20	248	44.46	49.56	m i ke	BGR
10425007																	

Magnitude Err Nsta Author
mb 5.2 BGR

OrigID
10425007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	48.83		P	01:03:02.548	-0.2	84.8		7.79		TAS		22.8	0.91	a_e	mb	5.2
BFO	48.36		P	01:02:58.348	-0.5	84.8		7.79		TAS		9.2	1.79	a_e	mb	4.6
BRG	44.46		P	01:02:28.248	-0.4	84.8		7.79		TAS		40.9	0.86	a_e	mb	5.2
BSEG	46.52		P	01:02:44.598	0.6	84.8		7.79		TAS		68.1	1.26	a_e	mb	5.6
CLL	45.02		P	01:02:32.248	-0.8	84.8		7.79		TAS		22.3	0.87	a_e	mb	5.1
CLZ	46.63		P	01:02:45.348	-0.1	84.8		7.79		TAS		22.7	0.91	a_e	mb	5.3
FUR	46.44		P	01:02:44.198	0.5	84.8		7.79		TAS		50.8	1.23	a_e	mb	5.4
FUR	46.44		pP	01:03:22.587						T__				m_e		
GEC2	44.76		P	01:02:30.648	-0.1	84.8		7.79		TAS		8.7	1.03	m_e	mb	4.6
GEC2	44.76		pP	01:03:06.094						T__				m_e		
GRA1	46.29		P	01:02:43.648	0.8	84.8		7.79		TAS		56.9	1.47	a_e	mb	5.4
GTTG	46.90		P	01:02:47.948	0.3	84.8		7.79		TAS		37.9	0.84	a_e	mb	5.6
IBBN	48.19		P	01:02:57.348	-0.2	84.8		7.79		TAS		45.3	0.90	a_e	mb	5.6
MOX	45.95		P	01:02:40.098	-0.2	84.8		7.79		TAS		19.3	0.87	a_e	mb	5.1
NRDL	46.74		P	01:02:46.348	0.1	84.8		7.79		TAS		28.7	0.87	a_e	mb	5.4
RJOB	45.48		P	01:02:36.098	0.1	84.8		7.79		TAS		12.3	1.29	a_e	mb	4.7
ROTZ	45.65		P	01:02:38.448	0.6	84.8		7.79		TAS		30.1	1.12	a_e	mb	5.2
STU	47.72		P	01:02:53.998	0.0	84.8		7.79		TAS		17.1	1.06	a_e	mb	5.1
TANN	45.43		P	01:02:36.048	-0.2	84.8		7.79		TAS		20.5	1.12	a_e	mb	5.0

TNS	48.01	P	01:02:56.198	-0.1	84.8	7.79	TAS	19.1	1.03	a_e mb	5.2
WET	45.27	P	01:02:34.798	-0.0	84.8	7.79	TAS	7.9	1.10	a_e mb	4.6
WLF	49.56	P	01:03:08.348	-0.0	84.8	7.79	TAS	43.7	0.93	a_e mb	5.4

Event 10425002 Tuvalu region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	04:12:41.40		0.53	-9.9250	-178.0220				33.0				248	139.62	139.62	m i ke	BGR
OrigID 10425008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	139.62		PKPdf	04:32:10.894		14.1		1.85		TAS				m_e	

Event 10425003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	06:41:30.39		0.53	37.2090	142.0480				33.0				248	83.17	83.17	m i ke	BGR
OrigID 10425009																	

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 10425009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.17		P	06:53:49.006		42.4		4.53		TAS		13.3	1.01	m_e mb	5.1

Event 10425004 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	
2011/04/25	09:00:26.69		0.53	36.5000	141.5000				33.0				15	248	80.57	85.80	m i ke	BGR
OrigID 10425010																		

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 10425010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.80		P	09:13:06.121		38.1		5.13		TAS		12.4	0.82	m_e mb	5.1
BRG	81.55		P	09:12:44.275	-0.4	38.1		5.13		TAS		9.6	0.93	m_e mb	4.9
BSEG	80.57		P	09:12:39.689	-0.1	38.1		5.13		TAS		10.3	0.99	m_e mb	4.8

CLL	81.59	P	09:12:44.447	-0.5	38.1	5.13	TAS	12.9	0.83	m_e	mb	5.1
CLZ	82.20	P	09:12:48.375	0.4	38.1	5.13	TAS	28.3	1.29	m_e	mb	5.2
FUR	84.75	P	09:13:01.207	-0.4	38.1	5.13	TAS			m_e		
GRA1	83.57	P	09:12:55.454	0.1	38.1	5.13	TAS			m_e		
GTTG	82.59	P	09:12:50.571	0.3	38.1	5.13	TAS			m_e		
IBBN	82.80	P	09:12:51.071	-0.4	38.1	5.13	TAS	14.7	0.93	m_e	mb	5.2
MOX	82.66	P	09:12:50.295	0.1	38.1	5.13	TAS	17.8	1.37	m_e	mb	5.1
NRDL	81.79	P	09:12:45.594	0.5	38.1	5.13	TAS	10.3	1.06	m_e	mb	4.9
RJOB	84.44	P	09:12:59.886	0.0	38.1	5.13	TAS	19.1	1.41	m_e	mb	5.1
ROTZ	83.11	P	09:12:52.948	-0.3	38.1	5.13	TAS	17.7	1.07	m_e	mb	5.2
STU	85.11	P	09:13:02.608		38.1	5.13	TAS	15.3	0.86	m_e	mb	5.2
WET	83.32	P	09:12:53.847	0.3	38.1	5.13	TAS			m_e		

Event 10425005 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	09:09:58.87		0.53	39.5000	141.5000			44.4		0.8		20	248	77.90	83.19	m i ke	BGR
OrigID 10425011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10425011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.82	P		09:22:05.325	0.7	36.7		5.29		TAS				a_e	
BFO	83.19	P		09:22:11.075	-0.8	36.7		5.29		TAS		12.0	0.95	a_e	mb 5.1
BRG	78.97	P		09:21:49.575	0.0	36.7		5.29		TAS		6.4	0.92	a_e	mb 4.6
BSEG	77.90	P		09:21:43.725	-0.1	36.7		5.29		TAS		8.6	1.05	a_e	mb 4.8
CLL	79.00	P		09:21:49.375	-0.3	36.7		5.29		TAS		13.4	0.97	m_e	mb 4.9
CLZ	79.56	P		09:21:52.875	0.2	36.7		5.29		TAS		13.0	1.10	a_e	mb 4.8
FUR	82.18	P		09:22:06.275	-0.3	36.7		5.29		TAS		14.4	0.87	a_e	mb 5.1
GEC2	80.66	P		09:21:58.325	-0.1	36.7		5.29		TAS		4.3	0.96	a_e	mb 4.5
GEC2	80.66	pP		09:22:11.395	2.3					T__				m_e	
GRA1	80.97	P		09:22:00.475	0.3	36.7		5.29		TAS				a_e	
GTTG	79.95	P		09:21:55.025	0.3	36.7		5.29		TAS				a_e	
GTTG	79.95	pP		09:22:07.640	2.3					T__				m_e	
IBBN	80.12	P		09:21:55.175	-0.4	36.7		5.29		TAS		9.7	0.98	a_e	mb 4.7
MOX	80.06	P		09:21:55.225	-0.1	36.7		5.29		TAS		6.7	1.04	a_e	mb 4.5
NRDL	79.13	P		09:21:50.191	-0.2	36.7		5.29		TAS				m_e	
RJOB	81.90	P		09:22:05.333	0.3	36.7		5.29		TAS		9.9	0.95	m_e	mb 4.9
ROTZ	80.53	P		09:21:58.375	0.6	36.7		5.29		TAS		11.3	1.20	a_e	mb 4.8
STU	82.50	P		09:22:07.625	-0.6	36.7		5.29		TAS		13.0	0.93	a_e	mb 5.1
TANN	79.91	P		09:21:54.704	0.1	36.7		5.29		TAS		2.3	0.91	m_e	mb 4.1
TNS	81.59	P		09:22:03.125	-0.3	36.7		5.29		TAS		4.2	1.01	a_e	mb 4.5
WET	80.76	P		09:21:59.275	0.3	36.7		5.29		TAS		7.0	1.07	a_e	mb 4.6
WET	80.76	pP		09:22:12.073	2.3					T__				m_e	
WLF	82.88	P		09:22:10.919	0.7	36.7		5.29		TAS				m_e	

Event 10425006 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	13:38:52.17		0.53	-17.5150	177.5890				33.0				248	146.07	146.07	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.07		PKPbc	13:58:24.262		17.4		2.42		TAS					m_e

Event 10425007 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	16:26:17.24		0.53	61.5910	170.9000				33.0				248	67.88	67.88	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10425013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	67.88		P	16:37:10.633		12.2		5.52		TAS		11.1	1.18	m_e mb	5.0

Event 10425009 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
2011/04/25	21:14:22.21		0.53	37.4670	141.7190				39.1				248	82.82	82.82	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10425015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.82		P	21:26:41.070		40.2		4.47		TAS		6.2	0.89	m_e mb	4.8
GRA1	82.82		pP	21:26:52.382						T__					m_e

Event 10425010 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/25	23:26:33.69		0.53	42.6600	143.1400				67.2			19	248	75.64	81.03	m i ke	BGR
OrigID 10425016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10425016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.58		P	23:38:36.495	0.1	33.8		5.47		TAS				a_e	
BFO	81.03		P	23:38:44.045	-0.4	33.8		5.47		TAS		4.3	0.77	a_e mb	4.5
BRG	76.88		P	23:38:21.295	-0.5	33.8		5.47		TAS		3.1	0.86	a_e mb	4.5
BSEG	75.64		P	23:38:14.394	-0.0	33.8		5.47		TAS		11.5	0.83	m_e mb	5.0
CLL	76.87		P	23:38:21.045	-0.7	33.8		5.47		TAS		11.4	0.82	a_e mb	5.0
CLZ	77.36		P	23:38:24.545	0.2	33.8		5.47		TAS		14.0	0.74	a_e mb	5.2
FUR	80.10		P	23:38:39.395	0.0	33.8		5.47		TAS		17.9	0.83	a_e mb	5.0
GEC2	78.62		P	23:38:30.945	-0.4	33.8		5.47		TAS		3.4	0.81	a_e mb	4.4
GRA1	78.85		P	23:38:32.845	0.3	33.8		5.47		TAS				a_e	
GTTG	77.75		P	23:38:26.845	0.4	33.8		5.47		TAS				a_e	
IBBN	77.85		P	23:38:26.874	-0.0	33.8		5.47		TAS		12.4	0.80	m_e mb	5.1
IBBN	77.85		pP	23:38:45.179	1.1					T__				m_e	
MOX	77.92		P	23:38:27.195	-0.2	33.8		5.47		TAS		4.1	0.73	a_e mb	4.7
NRDL	76.91		P	23:38:21.695	-0.1	33.8		5.47		TAS		5.0	0.81	a_e mb	4.7
ROTZ	78.43		P	23:38:30.522	1.1	33.8		5.47		TAS		6.1	0.80	m_e mb	4.8
STU	80.35		P	23:38:40.495	-0.2	33.8		5.47		TAS		13.3	0.80	a_e mb	4.9
TANN	77.80		P	23:38:26.741	0.5	33.8		5.47		TAS		1.2	0.72	m_e mb	4.1
TNS	79.39		P	23:38:35.395	-0.0	33.8		5.47		TAS		4.1	0.69	a_e mb	4.6
WET	78.69		P	23:38:31.895	0.2	33.8		5.47		TAS		6.8	0.83	a_e mb	4.7
WLF	80.64		P	23:38:42.061	-0.1	33.8		5.47		TAS				m_e	

Event 10426001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/26	04:01:44.62			36.1820	143.7530				44.9					83.82	84.73	m i ke	BGR
OrigID 10426007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10426007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.73		P	04:14:12.456		41.5		4.47		TAS		63.2	1.70	m_e mb	5.6
GRA1	84.73		pP	04:14:25.496						T__				m_e	
GRA1	84.73		L	04:55:15.400						T__		304.8	19.20	a_e	
MOX	83.82		L	04:57:44.603						T__		255.7	19.70	a_e	

Event 10426003 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
2011/04/26	12:12:02.38		0.21	36.7800	140.7000				33.0			20	234	80.03	85.24	m i ke	BGR
OrigID 10426009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10426009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.94		P	12:24:27.048	0.1	38.7		5.16		TAS		21.7	0.80	a_e mb	5.4
BFO	85.24		P	12:24:33.298	-0.4	38.7		5.16		TAS		24.8	0.84	a_e mb	5.5
BRG	80.98		P	12:24:11.479	-0.2	38.7		5.16		TAS		21.7	1.06	m_e mb	5.1
BSEG	80.03		P	12:24:06.593	0.1	38.7		5.16		TAS		33.7	1.12	m_e mb	5.2
CLL	81.03		P	12:24:11.548	-0.5	38.7		5.16		TAS		43.1	0.94	a_e mb	5.5
CLZ	81.65		P	12:24:15.061	0.2	38.7		5.16		TAS		33.5	0.99	m_e mb	5.4
FUR	84.18		P	12:24:28.198	-0.0	38.7		5.16		TAS		51.0	0.84	a_e mb	5.8
GEC2	82.62		P	12:24:19.948	-0.2	38.7		5.16		TAS		12.2	0.97	a_e mb	5.1
GRA1	83.00		P	12:24:22.598	0.4	38.7		5.16		TAS		53.6	0.97	a_e mb	5.7
GTTG	82.04		P	12:24:17.392	0.4	38.7		5.16		TAS		25.4	0.99	m_e mb	5.3
IBBN	82.26		P	12:24:18.148	-0.1	38.7		5.16		TAS		37.7	0.67	a_e mb	5.7
MOX	82.10		P	12:24:17.448	-0.1	38.7		5.16		TAS		13.5	0.86	a_e mb	5.1
NRDL	81.24		P	12:24:12.898	-0.2	38.7		5.16		TAS		14.7	0.88	a_e mb	5.0
RJOB	83.86		P	12:24:26.822	0.2	38.7		5.16		TAS		24.8	0.94	m_e mb	5.4
ROTZ	82.54		P	12:24:20.106	0.6	38.7		5.16		TAS		15.8	0.82	m_e mb	5.3
STU	84.55		P	12:24:29.898	-0.2	38.7		5.16		TAS				a_e	
TANN	81.94		P	12:24:16.628	-0.3	38.7		5.16		TAS				m_e	
TNS	83.68		P	12:24:25.698	0.1	38.7		5.16		TAS		11.1	0.87	a_e mb	5.1
WET	82.74		P	12:24:21.048	0.2	38.7		5.16		TAS				a_e	
WLF	85.00		P	12:24:32.498	0.0	38.7		5.16		TAS				a_e	

Event 10426004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/26	19:00:45.49		0.21	-26.2600	179.4200				33.0			12	234			m i ke	BGR
OrigID 10426010																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BEAM			PKPbc	19:20:43.547		25.2		2.50		TAS				m_e	
BFO			PKPab	19:21:06.475		25.2		2.50		TAS				m_e	
BRG			PKPbc	19:20:38.983		25.2		2.50		TAS				m_e	

BRG	PKPab	19:20:50.230		25.2		2.50	TAS		m_e
BSEG	PKPbc	19:20:34.476	0.0	25.2		2.50	TAS		m_e
CLL	PKPbc	19:20:38.526	0.1	25.2		2.50	TAS		m_e
CLL	PKPab	19:20:49.718		25.2		2.50	TAS		m_e
CLZ	PKPbc	19:20:39.268	-0.1	25.2		2.50	TAS		m_e
CLZ	PKPab	19:20:49.969		25.2		2.50	TAS		m_e
GRA1	PKPab	19:20:58.609		25.2		2.50	TAS		m_e
IBBN	PKPab	19:20:50.327		25.2		2.50	TAS		m_e
MOX	PKPab	19:20:53.450		25.2		2.50	TAS		m_e
NRDL	PKPbc	19:20:37.785	-0.1	25.2		2.50	TAS		m_e
RJOB	PKPab	19:21:04.814		25.2		2.50	TAS		m_e
WET	PKPab	19:20:58.809		25.2		2.50	TAS		m_e

Event 10427003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/27	21:42:52.81		0.28	37.9800	142.1500				36.8	1.0		17	250	79.48	84.76	m i ke	BGR
OrigID 10427009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10427009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.76		P	21:55:27.097		36.8		5.22		TAS		10.7	0.89	m_e mb	5.1
BRG	80.54		P	21:55:05.192	-0.4	36.8		5.22		TAS		3.9	0.80	m_e mb	4.5
BRG	80.54		pP	21:55:16.110	0.2					T__				m_e	
BSEG	79.48		P	21:55:00.100	0.1	36.8		5.22		TAS		9.2	0.99	m_e mb	4.8
BSEG	79.48		pP	21:55:10.460	0.2					T__				m_e	
CLL	80.57		P	21:55:05.364	-0.4	36.8		5.22		TAS		8.8	0.84	m_e mb	4.8
CLL	80.57		pP	21:55:16.125	0.2					T__				m_e	
CLZ	81.14		P	21:55:09.015	0.3	36.8		5.22		TAS		14.6	1.11	m_e mb	4.9
CLZ	81.14		pP	21:55:19.586	0.2					T__				m_e	
FUR	83.74		P	21:55:22.515		36.8		5.22		TAS		15.7	0.78	m_e mb	5.3
GEC2	82.22		P	21:55:14.248	0.1	36.8		5.22		TAS		4.0	0.73	m_e mb	4.6
GRA1	82.54		P	21:55:16.204	0.1	36.8		5.22		TAS		10.2	1.00	m_e mb	5.0
IBBN	81.71		P	21:55:11.673	0.3	36.8		5.22		TAS		6.9	0.74	m_e mb	4.9
MOX	81.63		P	21:55:11.183	0.1	36.8		5.22		TAS				m_e	
MOX	81.63		pP	21:55:21.881	0.2					T__				m_e	
NRDL	80.72		P	21:55:06.276	-0.1	36.8		5.22		TAS		4.4	0.85	m_e mb	4.5
RJOB	83.46		P	21:55:21.182	-0.5	36.8		5.22		TAS				m_e	
ROTZ	82.10		P	21:55:14.036	-0.1	36.8		5.22		TAS		3.6	0.86	m_e mb	4.5
STU	84.07		P	21:55:23.750		36.8		5.22		TAS		13.6	0.80	m_e mb	5.2
TANN	81.48		P	21:55:10.270	-0.2	36.8		5.22		TAS		1.8	0.75	m_e mb	4.2
TNS	83.17		P	21:55:19.384	0.2	36.8		5.22		TAS		2.7	0.73	m_e mb	4.6
WET	82.32		P	21:55:15.016	0.2	36.8		5.22		TAS		4.0	0.89	m_e mb	4.5

Event 10427004 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
2011/04/27	21:45:01.70		0.28	38.7800	142.1100				33.0			18	250	78.75	84.05	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10427010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.05		P	21:57:29.521		37.3		5.37		TAS		12.6	0.82	m_e mb	5.2
BRG	79.83		P	21:57:07.207	0.2	37.3		5.37		TAS		7.1	0.87	m_e mb	4.6
BSEG	78.75		P	21:57:01.589	-0.1	37.3		5.37		TAS		16.3	0.83	m_e mb	5.1
BUG	81.86		P	21:57:17.994		37.3		5.37		TAS				m_e	
CLL	79.86		P	21:57:07.207	0.3	37.3		5.37		TAS		13.5	0.86	m_e mb	4.9
CLZ	80.42		P	21:57:10.691	-0.3	37.3		5.37		TAS		10.9	0.78	m_e mb	4.8
FUR	83.04		P	21:57:23.989		37.3		5.37		TAS		20.4	0.81	m_e mb	5.4
GEC2	81.52		P	21:57:16.024		37.3		5.37		TAS		6.9	1.03	m_e mb	4.7
GRA1	81.83		P	21:57:18.300		37.3		5.37		TAS		13.3	0.85	m_e mb	5.1
GTTG	80.81		P	21:57:12.496		37.3		5.37		TAS				m_e	
IBBN	80.98		P	21:57:13.535	0.1	37.3		5.37		TAS		14.9	0.76	m_e mb	5.1
MOX	80.92		P	21:57:13.251	0.3	37.3		5.37		TAS		6.2	1.01	m_e mb	4.6
NRDL	79.99		P	21:57:08.252		37.3		5.37		TAS		4.0	0.81	m_e mb	4.4
RJOB	82.76		P	21:57:23.064		37.3		5.37		TAS		12.8	0.81	m_e mb	5.2
ROTZ	81.39		P	21:57:15.953		37.3		5.37		TAS		3.5	0.74	m_e mb	4.5
TANN	80.77		P	21:57:12.428		37.3		5.37		TAS		2.3	0.82	m_e mb	4.2
TNS	82.45		P	21:57:21.312		37.3		5.37		TAS		4.2	0.69	m_e mb	4.7
WET	81.62		P	21:57:17.162		37.3		5.37		TAS		5.8	0.93	m_e mb	4.7

Event 10427005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/27	23:33:55.41		0.28	-19.9700	-178.9600				592.9			15	250	146.78	151.10	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	151.10		PKPbc	23:53:49.955		17.8		2.69		TAS				m_e	
BRG	147.52		PKPbc	23:53:40.751	-0.2	17.8		2.69		TAS				m_e	
CLL	147.34		PKPbc	23:53:39.980	0.0	17.8		2.69		TAS				m_e	
CLZ	147.36		PKPbc	23:53:40.252		17.8		2.69		TAS				m_e	
FUR	150.68		PKPbc	23:53:48.965		17.8		2.69		TAS				m_e	

GEC2	149.44	PKPbc	23:53:46.043	-0.0	17.8	2.69	TAS	m_e
GRA1	149.25	PKPbc	23:53:45.492	-0.2	17.8	2.69	TAS	m_e
GTTG	147.72	PKPbc	23:53:41.385		17.8	2.69	TAS	m_e
MOX	148.26	PKPbc	23:53:42.736		17.8	2.69	TAS	m_e
MOX	148.26	pPKPbc	23:55:58.054				T__	m_e
NRDL	146.78	PKPbc	23:53:38.156		17.8	2.69	TAS	m_e
RJOB	150.70	PKPbc	23:53:48.911		17.8	2.69	TAS	m_e
ROTZ	148.96	PKPbc	23:53:44.720	0.2	17.8	2.69	TAS	m_e
TANN	148.30	PKPbc	23:53:42.791	0.0	17.8	2.69	TAS	m_e
TNS	149.24	PKPbc	23:53:45.262		17.8	2.69	TAS	m_e
WET	149.38	PKPbc	23:53:45.729		17.8	2.69	TAS	m_e
WLF	150.09	PKPbc	23:53:47.752		17.8	2.69	TAS	m_e

Event 10428001 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
2011/04/28	00:02:57.16			38.1200	141.0400				38.3	1.8		15		78.96	84.21	m i ke	BGR
OrigID 10428007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10428007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.21		P	00:15:02.374	0.1	37.5		5.24		TAS		10.6	0.79	m_e	mb 5.1
BRG	79.97		P	00:14:40.697	-0.1	37.5		5.24		TAS		5.1	0.84	m_e	mb 4.5
BRG	79.97		pP	00:14:51.986	0.3					T__					m_e
BSEG	78.96		P	00:14:35.498	0.3	37.5		5.24		TAS		6.0	0.84	m_e	mb 4.7
CLL	80.01		P	00:14:40.595	-0.8	37.5		5.24		TAS		7.5	0.80	m_e	mb 4.7
CLL	80.01		pP	00:14:52.201	0.3					T__					m_e
CLZ	80.61		P	00:14:44.437	0.4	37.5		5.24		TAS		8.1	0.95	m_e	mb 4.7
FUR	83.17		P	00:14:57.770	0.2	37.5		5.24		TAS		16.7	0.75	m_e	mb 5.3
GEC2	81.64		P	00:14:49.233	-0.3	37.5		5.24		TAS		4.9	0.80	m_e	mb 4.7
GEC2	81.64		pP	00:15:00.209	0.3					T__					m_e
GRA1	81.98		P	00:14:51.823	0.5	37.5		5.24		TAS		5.9	0.91	m_e	mb 4.7
IBBN	81.19		P	00:14:47.123		37.5		5.24		TAS		9.6	0.68	m_e	mb 5.0
MOX	81.08		P	00:14:46.452	-0.1	37.5		5.24		TAS		2.3	0.72	m_e	mb 4.3
MOX	81.08		pP	00:14:57.233	0.3					T__					m_e
RJOB	82.88		P	00:14:56.139	0.1	37.5		5.24		TAS		7.6	0.81	m_e	mb 5.0
ROTZ	81.53		P	00:14:49.521	0.5	37.5		5.24		TAS		2.7	0.76	m_e	mb 4.5
STU	83.52		P	00:14:59.245	0.3	37.5		5.24		TAS		20.4	0.75	m_e	mb 5.4
TNS	82.63		P	00:14:54.701	-0.6	37.5		5.24		TAS		3.3	0.74	m_e	mb 4.6
WET	81.75		P	00:14:50.069	0.3	37.5		5.24		TAS		3.6	0.83	m_e	mb 4.5
WET	81.75		pP	00:15:00.811	0.3					T__					m_e

Event 10428002 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
2011/04/28	01:44:39.49			38.7900	142.5700				33.0			21		78.91	84.21	m i ke	BGR
OrigID 10428008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10428008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.83		P	01:57:06.286	0.3	36.3		5.28		TAS		11.4	0.88	m_e	mb 5.1
BFO	84.21		P	01:57:12.945	-0.3	36.3		5.28		TAS		18.9	0.90	m_e	mb 5.3
BRG	80.00		P	01:56:50.781	-0.3	36.3		5.28		TAS		9.0	0.80	a_e	mb 4.8
BSEG	78.91		P	01:56:45.227	0.0	36.3		5.28		TAS		19.7	0.80	m_e	mb 5.2
BUG	82.02		P	01:57:01.281	-0.3	36.3		5.28		TAS		8.7	0.79	a_e	mb 4.9
CLL	80.03		P	01:56:50.681	-0.5	36.3		5.28		TAS		20.0	0.81	a_e	mb 5.1
CLZ	80.58		P	01:56:54.217	0.1	36.3		5.28		TAS		17.7	0.83	m_e	mb 5.1
FUR	83.22		P	01:57:08.031	0.0	36.3		5.28		TAS		29.2	0.78	a_e	mb 5.6
GEC2	81.70		P	01:56:59.681	-0.3	36.3		5.28		TAS		7.6	0.97	a_e	mb 4.8
GRA1	82.00		P	01:57:01.981	0.4	36.3		5.28		TAS		20.8	0.81	a_e	mb 5.3
GTTG	80.97		P	01:56:56.964	0.8	36.3		5.28		TAS		16.0	0.79	m_e	mb 5.1
IBBN	81.13		P	01:56:56.831	-0.1	36.3		5.28		TAS		21.7	0.84	a_e	mb 5.2
MOX	81.09		P	01:56:56.581	-0.2	36.3		5.28		TAS		5.6	0.77	a_e	mb 4.7
NRDL	80.15		P	01:56:51.681	-0.1	36.3		5.28		TAS		8.6	0.84	a_e	mb 4.7
RJOB	82.94		P	01:57:06.952	0.4	36.3		5.28		TAS		23.4	0.86	m_e	mb 5.4
ROTZ	81.56		P	01:56:59.608	0.3	36.3		5.28		TAS		5.7	0.77	m_e	mb 4.8
STU	83.53		P	01:57:09.200	-0.4	36.3		5.28		TAS		13.9	0.77	m_e	mb 5.3
TANN	80.94		P	01:56:55.881	-0.1	36.3		5.28		TAS		3.9	0.89	m_e	mb 4.4
TNS	82.61		P	01:57:04.781	0.0	36.3		5.28		TAS		7.7	0.79	a_e	mb 5.0
WET	81.79		P	01:57:00.709	0.2	36.3		5.28		TAS		8.1	0.97	m_e	mb 4.8
WLF	83.89		P	01:57:11.481	-0.1	36.3		5.28		TAS		6.2	0.81	a_e	mb 4.9

Event 10428003 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/28	09:27:50.30			37.7700	140.4900				52.8	0.8		21		79.07	84.30	m i ke	BGR
OrigID 10428009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10428009
MBB	6.0		BGR	10428009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.99		P	09:40:12.151	-0.2	38.3		5.23		TAS		75.5	1.28	m_e	MBB 6.0
BFO	84.30		P	09:40:18.451	-0.6	38.3		5.23		TAS		126.8	1.10	m_e	MBB 6.2

BRG	80.05	P	09:39:56.448	-0.3	38.3	5.23	TAS	80.9	1.27	m_e	MBB	5.8
BRG	80.05	pP	09:40:11.523	-0.6			T__			m_e		
BSEG	79.07	P	09:39:51.406	0.6	38.3	5.23	TAS	110.7	1.29	m_e	MBB	5.9
BSEG	79.07	pP	09:40:06.365	-0.6			T__			m_e		
BUG	82.18	P	09:40:07.788	-0.1	38.3	5.23	TAS	55.6	1.05	m_e	MBB	5.9
CLL	80.09	P	09:39:56.563	-0.6	38.3	5.23	TAS	107.0	1.20	m_e	MBB	5.8
CLZ	80.70	P	09:40:00.084	0.0	38.3	5.23	TAS	140.2	1.30	m_e	MBB	6.0
FUR	83.25	P	09:40:13.724	0.8	38.3	5.23	TAS	191.4	1.23	m_e	MBB	6.4
GEC2	81.70	P	09:40:05.457	-0.1	38.3	5.23	TAS	56.9	1.25	m_e	MBB	5.8
GRA1	82.07	P	09:40:07.213	0.0	38.3	5.23	TAS	206.7	1.35	m_e	mb	6.1
GTTG	81.09	P	09:40:02.071	-0.0	38.3	5.23	TAS	76.7	1.13	m_e	MBB	5.8
IBBN	81.30	P	09:40:03.415	0.3	38.3	5.23	TAS	118.7	1.19	m_e	MBB	6.0
MOX	81.16	P	09:40:02.597	0.1	38.3	5.23	TAS	84.7	1.39	m_e	MBB	5.9
NRDL	80.29	P	09:39:57.864	0.0	38.3	5.23	TAS	67.3	1.30	m_e	MBB	5.7
RJOB	82.94	P	09:40:12.063	0.3	38.3	5.23	TAS	94.0	1.09	m_e	MBB	6.2
ROTZ	81.61	P	09:40:04.993	0.2	38.3	5.23	TAS	144.9	1.48	m_e	MBB	6.1
STU	83.61	P	09:40:15.093	0.3	38.3	5.23	TAS	146.9	1.24	m_e	MBB	6.3
STU	83.61	pP	09:40:30.402	-0.6			T__			m_e		
TANN	81.00	P	09:40:01.568	-0.4	38.3	5.23	TAS	69.1	1.58	m_e	MBB	5.7
TNS	82.73	P	09:40:10.672	-0.3	38.3	5.23	TAS	59.1	1.31	m_e	MBB	5.9
WET	81.81	P	09:40:05.811	-0.1	38.3	5.23	TAS	84.1	1.33	m_e	MBB	6.0
WLF	84.05	P	09:40:17.614	0.1	38.3	5.23	TAS			m_e		

Event 10428004 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/28	23:30:44.50	0.58	1.32	44.7560	17.3230	23.3	10.0	58	10.0				15 322	4.33	9.05	m i ke emsc	
10428040																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.8		BGR	10428010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	9.01		Pn	23:32:54.160	0.1					T__				m_e	
BFO	7.16		Pn	23:32:29.086	0.3					T__				m_e	
BRG	6.53		Pn	23:32:20.584	-1.1					T__				m_e	
CLL	7.17		Pn	23:32:30.138	0.0					T__				m_e	ML 4.9
FUR	5.39		Sg	23:33:32.721	-3.4					T__				m_e	
FUR	5.39		Pn	23:32:05.242	-0.0					T__				m_e	ML 4.8
GEC2	4.79		Pn	23:31:57.273	-0.5					T__				m_e	ML 4.5
GRA1	6.45		Pn	23:32:19.779	-0.1					T__				m_e	ML 5.0
MOX	7.04		Sg	23:34:28.534	-1.2					T__				m_e	
MOX	7.04		Pn	23:32:27.633	-0.4					T__				m_e	ML 4.8
RJOB	4.33		Pn	23:31:50.995	-0.1					T__				m_e	ML 4.4
ROTZ	6.10		Sg	23:34:01.602	1.6					T__				m_e	
ROTZ	6.10		Pn	23:32:14.477	-0.9					T__				m_e	ML 4.7

STU	6.88	Pn	23:32:25.146	-0.0	T__	m_e												
TANN	6.55	Sg	23:34:15.983	1.5	T__	m_e												
TANN	6.55	Pn	23:32:21.040	-0.5	T__	m_e	ML	4.8										
TNS	8.12	Sn	23:34:08.208	2.7	T__	m_e												
TNS	8.12	Pn	23:32:42.975	0.8	T__	m_e	ML	4.9										
WET	5.34	Pn	23:32:04.338	-0.8	T__	m_e												
WLF	9.05	Pn	23:32:56.619	2.3	T__	m_e												

Event 10429002 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
2011/04/29	06:54:47.53		0.50	40.3000	141.6000				33.0			18	210	77.22	82.53	m i ke	BGR
OrigID 10429008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10429008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.15		P	07:07:03.551	0.1	36.3		5.41		TAS		10.2	0.66	m_e mb	5.0
BFO	82.53		P	07:07:10.505	-0.4	36.3		5.41		TAS		20.0	1.24	m_e mb	5.2
BRG	78.32		P	07:06:48.143	-0.0	36.3		5.41		TAS		12.9	1.06	m_e mb	5.0
BSEG	77.22		P	07:06:42.065	-0.1	36.3		5.41		TAS		19.2	0.97	m_e mb	5.2
BUG	80.33		P	07:06:58.877	-0.1	36.3		5.41		TAS		26.1	1.41	m_e mb	5.0
CLL	78.34		P	07:06:47.777	-0.5	36.3		5.41		TAS		19.6	1.00	m_e mb	5.2
CLZ	78.90		P	07:06:51.421	0.1	36.3		5.41		TAS		27.3	1.20	m_e mb	5.2
GEC2	80.02		P	07:06:57.015	-0.3	36.3		5.41		TAS		6.4	0.93	m_e mb	4.5
GRA1	80.32		P	07:06:59.434	0.5	36.3		5.41		TAS		41.7	1.21	m_e mb	5.2
GTTG	79.29		P	07:06:53.862	0.5	36.3		5.41		TAS		19.8	1.06	m_e mb	5.1
IBBN	79.44		P	07:06:54.082	-0.1	36.3		5.41		TAS		22.3	0.98	m_e mb	5.2
MOX	79.40		P	07:06:53.789	-0.2	36.3		5.41		TAS		15.4	1.22	m_e mb	4.9
NRDL	78.46		P	07:06:49.009	0.1	36.3		5.41		TAS		9.4	1.10	m_e mb	4.8
RJOB	81.27		P	07:07:04.273	0.2	36.3		5.41		TAS		18.7	0.97	m_e mb	5.1
ROTZ	79.88		P	07:06:56.991	0.4	36.3		5.41		TAS		16.1	1.26	m_e mb	4.8
TANN	79.26		P	07:06:53.202	-0.1	36.3		5.41		TAS		5.0	0.87	m_e mb	4.6
TNS	80.92		P	07:07:02.099	-0.1	36.3		5.41		TAS		7.7	1.02	m_e mb	4.7
WET	80.11		P	07:06:57.968	0.1	36.3		5.41		TAS		18.7	1.44	m_e mb	4.8

Event 10429003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	07:21:03.93		0.50	-20.2410	169.8460				33.0				210	146.04	146.04	m i ke	BGR
OrigID 10429009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.04		PKPbc	07:40:44.711		45.4		3.18		TAS					m_e

Event 10429004 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	07:36:18.47		0.50	-20.8980	168.3940				33.0				210	146.03	146.03	m i ke	BGR
OrigID 10429010																	

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	07:55:54.321		48.1		3.36		TAS					m_e

Event 10429005 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	08:57:25.04		0.50	8.5000	92.2500				52.4	2.0		21	210	76.08	81.06	m i ke	BGR
OrigID 10429011																	

Magnitude Err Nsta Author OrigID

mb	5.4		BGR	10429011
Ms	4.2		BGR	10429011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.44		P	09:09:24.614	0.3	92.3		5.12		TAS					m_e
AHRW	80.44		pP	09:09:39.702						T__					a_e
BFO	79.67		P	09:09:19.964	-0.1	92.3		5.12		TAS		18.6	0.96	m_e mb	5.0
BFO	79.67		pP	09:09:35.002						T__					a_e
BRG	76.08		P	09:09:02.070	-0.2	92.3		5.12		TAS		71.7	1.68	m_e mb	5.5
BRG	76.08		pP	09:09:17.202						T__					a_e
BSEG	78.43		P	09:09:14.340	-0.0	92.3		5.12		TAS		84.3	1.23	m_e mb	5.7
BSEG	78.43		pP	09:09:29.302						T__					a_e
BUG	80.29		P	09:09:23.792	0.1	92.3		5.12		TAS					m_e
BUG	80.29		pP	09:09:38.602						T__					a_e
CLL	76.69		P	09:09:04.947	-0.5	92.3		5.12		TAS					m_e
CLL	76.69		pP	09:09:19.902						T__					a_e
CLZ	78.35		P	09:09:13.929	-0.1	92.3		5.12		TAS		48.2	1.24	m_e mb	5.5
CLZ	78.35		pP	09:09:28.852						T__					a_e
FUR	77.70		P	09:09:10.145		92.3		5.12		TAS					m_e
FUR	77.70		pP	09:09:25.152						T__					a_e

GEC2	76.12	P	09:09:02.060	0.2	92.3	5.12	TAS	76.4	1.23	m_e	mb	5.7
GEC2	76.12	pP	09:09:17.034				T__			m_e		
GRA1	77.77	P	09:09:11.346	-0.0	92.3	5.12	TAS	45.7	1.08	m_e	mb	5.5
GRA1	77.77	pP	09:09:26.252				T__			a_e		
GRA1	77.77	L	09:43:10.329				T__	81.1	22.00	a_e	Ms	4.0
GTTG	78.60	P	09:09:15.514	0.1	92.3	5.12	TAS			m_e		
GTTG	78.60	pP	09:09:30.402				T__			a_e		
IBBN	79.97	P	09:09:22.148	-0.0	92.3	5.12	TAS	46.6	0.90	m_e	mb	5.4
IBBN	79.97	pP	09:09:37.102				T__			a_e		
MOX	77.54	P	09:09:09.526	-0.2	92.3	5.12	TAS			m_e		
MOX	77.54	pP	09:09:24.702				T__			a_e		
MOX	77.54	L	09:50:35.279				T__	160.4	21.10	a_e	Ms	4.3
NRDL	78.53	P	09:09:14.868	0.3	92.3	5.12	TAS	87.2	1.40	m_e	mb	5.6
NRDL	78.53	pP	09:09:30.102				T__			a_e		
RJOB	76.67	P	09:09:04.653	-0.3	92.3	5.12	TAS	203.8	2.56	m_e	mb	5.8
RJOB	76.67	pP	09:09:19.602				T__			a_e		
ROTZ	77.13	P	09:09:07.636	0.5	92.3	5.12	TAS	26.6	1.01	m_e	mb	5.3
ROTZ	77.13	pP	09:09:23.152				T__			a_e		
STU	79.09	P	09:09:17.468	-0.1	92.3	5.12	TAS			m_e		
STU	79.09	pP	09:09:32.402				T__			a_e		
TANN	76.99	P	09:09:06.750	0.1	92.3	5.12	TAS			m_e		
TANN	76.99	pP	09:09:21.902				T__			a_e		
TNS	79.56	P	09:09:19.917	-0.7	92.3	5.12	TAS	22.8	0.90	m_e	mb	5.1
TNS	79.56	pP	09:09:35.152				T__			a_e		
WET	76.67	P	09:09:04.927	0.1	92.3	5.12	TAS	28.1	1.03	m_e	mb	5.3
WET	76.67	pP	09:09:20.352				T__			a_e		
WLF	81.06	P	09:09:27.960		92.3	5.12	TAS	18.7	0.91	m_e	mb	5.1
WLF	81.06	pP	09:09:42.902				T__			a_e		

Event 10429006 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	09:38:23.96		0.50	-20.8230	168.5550				10.0				210	146.03	146.03	m i ke	BGR
10429012																	

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	09:58:03.251		47.8		3.33		TAS					m_e

Event 10429009 Loyalty Islands

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

2011/04/29 13:08:26.16 0.30 -20.6100 168.7000 33.0 13 164 145.00 148.15 m i ke BGR
10429015

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.79		PKPbc	13:28:07.868		38.4		3.27		TAS				m_e	
BFO	148.15		PKPbc	13:28:11.962		38.4		3.27		TAS				m_e	
BUG	145.97		PKPbc	13:28:04.706		38.4		3.27		TAS				m_e	
FUR	147.04		PKPbc	13:28:08.651	0.3	38.4		3.27		TAS				m_e	
GEC2	145.44		PKPbc	13:28:03.651	-0.2	38.4		3.27		TAS				m_e	
GRA1	145.90		PKPbc	13:28:05.127	0.0	38.4		3.27		TAS				m_e	
IBBN	145.07		PKPbc	13:28:02.105		38.4		3.27		TAS				m_e	
MOX	145.00		PKPbc	13:28:01.872	-0.0	38.4		3.27		TAS				m_e	
RJOB	146.66		PKPbc	13:28:07.166		38.4		3.27		TAS				m_e	
ROTZ	145.43		PKPbc	13:28:03.697	0.4	38.4		3.27		TAS				m_e	
STU	147.45		PKPbc	13:28:09.907		38.4		3.27		TAS				m_e	
TNS	146.57		PKPbc	13:28:07.376	-0.5	38.4		3.27		TAS				m_e	
WLF	147.85		PKPbc	13:28:11.664		38.4		3.27		TAS				m_e	

Event 10429008 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	13:12:43.81	0.30	20.4800	122.6100				199.4		3.1		21	164	85.47	90.40	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 5.8 BGR 10429014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.43		P	13:25:17.736	-0.1	61.0		4.70		TAS		40.7	1.18	a_e mb	5.5
BFO	89.90		P	13:25:19.536	-0.5	61.0		4.70		TAS		18.7	1.09	a_e mb	5.2
BRG	85.47		P	13:24:58.786	-0.4	61.0		4.70		TAS		104.1	1.19	m_e mb	5.9
BSEG	85.97		P	13:25:01.386	-0.2	61.0		4.70		TAS		201.3	0.94	a_e mb	6.2
BUG	88.85		P	13:25:14.786	-0.3	61.0		4.70		TAS		88.0	1.09	a_e mb	5.9
CLL	85.80		P	13:25:00.086	-0.7	61.0		4.70		TAS		85.6	1.06	a_e mb	5.8
CLZ	86.98		P	13:25:06.636	0.3	61.0		4.70		TAS		161.4	1.23	a_e mb	6.0
FUR	88.28		P	13:25:12.536	0.1	61.0		4.70		TAS		66.3	0.92	a_e mb	6.0
FUR	88.28		pP	13:26:01.997						T__				m_e	
GEC2	86.54		P	13:25:04.186	0.0	61.0		4.70		TAS		38.6	1.07	a_e mb	5.5
GRA1	87.57		P	13:25:09.486	0.4	61.0		4.70		TAS				a_e	
GRA1	87.57		pP	13:25:58.958						T__				m_e	
GTTG	87.35		P	13:25:08.536	0.5	61.0		4.70		TAS		106.0	1.29	a_e mb	5.8
IBBN	88.13		P	13:25:11.776	-0.1	61.0		4.70		TAS		84.3	0.93	m_e mb	6.1
MOX	86.88		P	13:25:05.786	-0.1	61.0		4.70		TAS		54.8	1.26	a_e mb	5.5
NRDL	86.80		P	13:25:05.686	0.2	61.0		4.70		TAS		160.5	1.19	a_e mb	6.0

RJOB	87.59	P	13:25:08.886	-0.2	61.0	4.70	TAS	20.6	0.87	m_e mb	5.5
ROTZ	86.97	P	13:25:06.836	0.6	61.0	4.70	TAS	53.2	1.10	a_e mb	5.6
STU	89.18	P	13:25:16.336	-0.3	61.0	4.70	TAS			a_e	
TANN	86.52	P	13:25:04.036	-0.1	61.0	4.70	TAS	65.6	1.47	a_e mb	5.5
TNS	88.85	P	13:25:15.136	0.0	61.0	4.70	TAS	46.3	1.16	a_e mb	5.6
WET	86.88	P	13:25:06.136	0.3	61.0	4.70	TAS	70.3	1.69	a_e mb	5.5
WET	86.88	pP	13:25:54.546				T__			m_e	
WLF	90.40	P	13:25:22.636	0.2	61.0	4.70	TAS	146.2	1.05	a_e mb	6.1

Event 10429011 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	16:41:18.42		0.99	14.7200	44.3620				33.0				212	44.10	44.10	m i ke	BGR
OrigID 10429017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10429017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.10		P	16:49:28.371		124.1		8.22		TAS		9.8	1.15	m_e mb	4.4

Event 10429012 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
2011/04/29	17:04:23.55		0.99	35.9690	140.0840				33.0				212	83.45	83.45	m i ke	BGR
OrigID 10429018																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10429018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.45		P	17:16:49.927		43.9		4.36		TAS		11.9	0.74	m_e mb	5.2

Event 10429013 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/29	20:42:11.40		0.99	37.7160	142.2600				33.0				212	82.82	82.82	m i ke	BGR
OrigID 10429019																	

Magnitude	Err	Nsta	Author	OrigID
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mb 5.0 BGR 10429019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.82		P	20:54:34.446		41.8		4.61		TAS		12.5	1.14	m_e	mb 5.0

Event 10429014 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
2011/04/29	22:19:36.99		0.99	39.6400	142.1200				21.9	0.4		20	212	77.99	83.30	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb 5.5			BGR	10429020
Ms 5.1			BGR	10429020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.92		P	22:31:49.485	-0.1	36.1		5.31		TAS		42.1	1.11	a_e	mb 5.5
BFO	83.30		P	22:31:56.685	-0.3	36.1		5.31		TAS		83.8	1.17	a_e	mb 5.9
BRG	79.09		P	22:31:34.435	-0.2	36.1		5.31		TAS		42.6	1.17	m_e	mb 5.4
BSEG	77.99		P	22:31:28.735	0.0	36.1		5.31		TAS		84.2	1.11	a_e	mb 5.8
CLL	79.12		P	22:31:34.235	-0.6	36.1		5.31		TAS		67.8	1.00	a_e	mb 5.6
CLZ	79.67		P	22:31:37.885	0.2	36.1		5.31		TAS		86.7	1.15	a_e	mb 5.6
CLZ	79.67		pP	22:31:44.119						T__				m_e	
FUR	82.31		P	22:31:51.685	-0.1	36.1		5.31		TAS		75.8	1.03	a_e	mb 5.8
GEC2	80.79		P	22:31:43.485	-0.2	36.1		5.31		TAS		23.7	1.06	a_e	mb 5.2
GRA1	81.09		P	22:31:45.635	0.3	36.1		5.31		TAS		115.9	1.23	a_e	mb 5.8
GRA1	81.09		L	23:24:01.009						T__		1309.7	18.60	a_e	Ms 5.3
GTTG	80.06		P	22:31:40.135	0.4	36.1		5.31		TAS		68.5	1.18	a_e	mb 5.5
IBBN	80.21		P	22:31:40.435	-0.1	36.1		5.31		TAS		57.5	0.96	a_e	mb 5.5
IBBN	80.21		pP	22:31:46.736						T__				m_e	
MOX	80.17		P	22:31:40.335	-0.1	36.1		5.31		TAS		41.5	1.19	a_e	mb 5.2
MOX	80.17		L	23:20:30.746						T__		698.0	21.40	a_e	Ms 5.0
NRDL	79.23		P	22:31:35.235	-0.1	36.1		5.31		TAS		33.1	1.16	a_e	mb 5.3
RJOB	82.04		P	22:31:50.535	0.2	36.1		5.31		TAS		73.0	1.00	a_e	mb 5.8
ROTZ	80.65		P	22:31:43.435	0.5	36.1		5.31		TAS		64.8	1.39	a_e	mb 5.5
STU	82.61		P	22:31:53.085	-0.3	36.1		5.31		TAS		68.6	1.28	a_e	mb 5.7
TANN	80.03		P	22:31:39.635	-0.0	36.1		5.31		TAS		21.1	1.17	a_e	mb 5.0
TNS	81.69		P	22:31:48.385	-0.1	36.1		5.31		TAS		30.9	1.19	a_e	mb 5.3
WET	80.88		P	22:31:44.435	0.2	36.1		5.31		TAS		49.3	1.28	a_e	mb 5.4
WLF	82.98		P	22:31:55.385	0.2	36.1		5.31		TAS				a_e	

Event 10430001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/04/30 03:02:59.60 -18.8500 173.3440 33.0 146.05 146.05 m i ke BGR
 10430007

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	03:22:35.455		39.0		3.13		TAS					m_e

Event 10430003 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
2011/04/30	05:06:41.49		0.59	38.3700	141.8200				28.1	0.8		17	221	79.02	84.30	m i ke BGR	
OrigID																	
2011/04/30 05:06:41.49 0.59 38.3700 141.8200 28.1 0.8 17 221 79.02 84.30 m i ke BGR																	
10430009																	

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10430009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.94		P	05:19:02.672	-0.9	36.9		5.22		TAS		5.4	0.77	m_e mb	4.8
BFO	84.30		P	05:19:08.727		36.9		5.22		TAS		16.2	0.85	m_e mb	5.3
BRG	80.07		P	05:18:47.193	0.0	36.9		5.22		TAS		8.1	0.86	m_e mb	4.7
BRG	80.07		pP	05:18:55.187						T__				m_e	
BSEG	79.02		P	05:18:41.407	-0.2	36.9		5.22		TAS		10.0	0.76	m_e mb	4.9
CLL	80.10		P	05:18:47.118	-0.2	36.9		5.22		TAS		14.1	0.82	m_e mb	4.9
CLL	80.10		pP	05:18:55.042						T__				m_e	
CLZ	80.68		P	05:18:50.512	0.2	36.9		5.22		TAS		51.1	1.49	m_e mb	5.3
FUR	83.28		P	05:19:03.862		36.9		5.22		TAS		23.4	0.76	m_e mb	5.5
GEC2	81.75		P	05:18:55.808	0.6	36.9		5.22		TAS		5.2	0.74	m_e mb	4.7
GEC2	81.75		pP	05:19:04.143						T__				m_e	
GRA1	82.08		P	05:18:58.206	0.6	36.9		5.22		TAS		18.4	0.81	m_e mb	5.3
GRA1	82.08		pP	05:19:06.393						T__				m_e	
MOX	81.16		P	05:18:52.848	0.6	36.9		5.22		TAS		4.7	0.74	m_e mb	4.6
NRDL	80.25		P	05:18:47.654	-0.4	36.9		5.22		TAS		4.3	0.80	m_e mb	4.4
RJOB	82.99		P	05:19:02.746	0.2	36.9		5.22		TAS				m_e	
ROTZ	81.63		P	05:18:55.750	0.2	36.9		5.22		TAS				m_e	
STU	83.61		P	05:19:05.351		36.9		5.22		TAS		17.6	0.86	m_e mb	5.3
TANN	81.02		P	05:18:51.881	-0.2	36.9		5.22		TAS				m_e	
WET	81.85		P	05:18:56.718	0.3	36.9		5.22		TAS		5.3	0.85	m_e mb	4.7
WET	81.85		pP	05:19:04.986						T__				m_e	
WLF	84.00		P	05:19:07.806		36.9		5.22		TAS				m_e	

Event 10430004 Off east coast of Honshu, Japan

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/04/30	06:04:28.34		0.59	37.2000	142.3400				33.0				221	83.29	83.29	m i ke	BGR
OrigID 10430010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10430010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.29		P	06:16:47.505		41.9		4.43		TAS		6.5	0.92	m_e mb	4.9

Event 10430005 South of Panama

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/04/30	08:19:17.75		0.59	5.6000	-81.8100				33.0				16	221	84.45	89.45	m i ke	BGR
OrigID 10430011																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10430011
Ms	5.9		BGR	10430011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.01		P	08:31:53.473	-0.2	275.7		4.83		TAS		36.2	1.42	m_e mb	5.4
BFO	85.95		P	08:31:58.299	0.2	275.7		4.83		TAS				m_e	
BRG	89.32		P	08:32:14.456		275.7		4.83		TAS		12.2	1.26	m_e mb	5.0
BSEG	86.77		P	08:32:02.167	-0.3	275.7		4.83		TAS				m_e	
CLL	88.68		P	08:32:11.559	-0.4	275.7		4.83		TAS		16.9	0.96	m_e mb	5.2
CLZ	86.99		P	08:32:03.346	0.1	275.7		4.83		TAS				m_e	
GEC2	89.45		P	08:32:14.705		275.7		4.83		TAS				m_e	
GRA1	87.73		P	08:32:07.103	-0.4	275.7		4.83		TAS				m_e	
GRA1	87.73		L	09:05:05.879						T__		7166.9	21.90	a_e Ms	6.0
GTTG	86.76		P	08:32:01.795	0.3	275.7		4.83		TAS				m_e	
MOX	87.89		P	08:32:07.627	0.5	275.7		4.83		TAS				m_e	
MOX	87.89		L	09:07:51.428						T__		2989.9	19.90	a_e Ms	5.7
ROTZ	88.36		P	08:32:09.391	-0.1	275.7		4.83		TAS				m_e	
STU	86.49		P	08:32:00.971	-0.0	275.7		4.83		TAS		23.4	1.20	m_e mb	5.2
TANN	88.45		P	08:32:10.773	-0.0	275.7		4.83		TAS		28.3	1.55	m_e mb	5.4
TNS	85.90		P	08:31:57.950	0.1	275.7		4.83		TAS		27.6	1.40	m_e mb	5.2
WET	88.87		P	08:32:12.190		275.7		4.83		TAS		15.5	0.95	m_e mb	5.2
WLF	84.45		P	08:31:50.837	-0.1	275.7		4.83		TAS				m_e	

Event 10430008 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
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OrigID
 2011/04/30 11:14:30.06 0.37 35.0300 140.2200 39.4 0.8 14 299 82.28 86.57 m i ke BGR
 10430014

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10430014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.57		P	11:26:34.119		39.4		4.97		TAS		16.9	1.46	m_e mb	5.0
BRG	82.28		P	11:26:13.036	-0.2	39.4		4.97		TAS		11.7	1.40	m_e mb	4.8
BRG	82.28		pP	11:26:24.417	-0.4					T__				m_e	
CLL	82.34		P	11:26:13.091	0.4	39.4		4.97		TAS				m_e	
CLL	82.34		pP	11:26:24.473	-0.4					T__				m_e	
CLZ	83.00		P	11:26:17.094	-0.4	39.4		4.97		TAS				m_e	
GEC2	83.89		P	11:26:21.172	-0.2	39.4		4.97		TAS		8.6	1.37	m_e mb	4.8
GEC2	83.89		pP	11:26:32.565	-0.4					T__				m_e	
GTTG	83.39		P	11:26:18.867	-0.4	39.4		4.97		TAS				m_e	
MOX	83.42		P	11:26:19.301	0.1	39.4		4.97		TAS		20.5	1.66	m_e mb	5.1
NRDL	82.60		P	11:26:14.294		39.4		4.97		TAS				m_e	
RJOB	85.13		P	11:26:27.591	0.1	39.4		4.97		TAS		9.3	1.15	m_e mb	4.9
RJOB	85.13		pP	11:26:39.262	-0.4					T__				m_e	
ROTZ	83.84		P	11:26:21.262	0.2	39.4		4.97		TAS		31.8	1.51	m_e mb	5.3
STU	85.87		P	11:26:31.196	-0.1	39.4		4.97		TAS				m_e	
TANN	83.24		P	11:26:17.802		39.4		4.97		TAS				m_e	
TANN	83.24		pP	11:26:29.193	-0.4					T__				m_e	
TNS	85.02		P	11:26:26.734		39.4		4.97		TAS		17.1	1.44	m_e mb	5.1
WET	84.03		P	11:26:21.756	0.2	39.4		4.97		TAS		9.5	1.37	m_e mb	4.8

Event 10430010 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
 2011/04/30 17:11:55.77 0.80 36.0720 142.5620 13.1 197 84.36 84.36 m i ke BGR
 10430016

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10430016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.36		P	17:24:26.375		42.3		4.36		TAS		5.3	0.90	m_e mb	4.8
GRA1	84.36		pP	17:24:30.168						T__				m_e	

Event 10430011 Western Arabian Peninsula

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

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OrigID
2011/04/30 22:36:06.98 0.80 16.9960 43.1190 33.0 197 41.54 41.54 m i ke BGR
10430017

Magnitude Err Nsta Author OrigID
mb 4.3 BGR 10430017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	41.54		P	22:43:56.240		123.9		8.40		TAS		5.7	0.93	m_e mb	4.3