

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

(produced by SZGRF/BGR - HANNOVER)

February 2011 UPDATED 26.SEPTEMBER.2011

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

(Format description at the end of the bulletin)

Event 10201002 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/01	07:11:32.53		0.32	24.4190	96.4350				33.0			14	209	66.83	71.97	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10201008
Ms	4.5		BGR	10201008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	66.83		P	07:22:19.677	0.1	77.0		6.24		TAS		7.1	1.12	m_e mb	4.8
BSEG	68.41		P	07:22:29.822		77.0		6.24		TAS		41.9	1.42	m_e mb	5.5
CLZ	68.82		P	07:22:32.344		77.0		6.24		TAS		28.1	1.45	m_e mb	5.3
FBE	67.18		P	07:22:22.303	0.1	77.0		6.24		TAS		85.8	2.13	m_e mb	5.6
GEC2	67.37		P	07:22:23.599	0.4	77.0		6.24		TAS		11.7	1.18	m_e mb	5.0
GRA1	68.78		P	07:22:32.799		77.0		6.24		TAS		24.4	1.45	m_e mb	5.2
GRA1	68.78		L	07:56:16.483						T__		276.8	18.90	a_e Ms	4.5
GTTG	69.14		P	07:22:34.194		77.0		6.24		TAS		35.5	1.82	m_e mb	5.3
GUNZ	67.93		P	07:22:26.861	-0.1	77.0		6.24		TAS		9.7	1.06	m_e mb	5.0
MOX	68.32		P	07:22:29.071		77.0		6.24		TAS		12.1	1.30	m_e mb	5.0
MOX	68.32		L	07:57:14.943						T__		239.2	18.10	a_e Ms	4.5
NRDL	68.84		P	07:22:32.585		77.0		6.24		TAS		42.4	1.48	m_e mb	5.5
RJOB	68.19		P	07:22:28.408		77.0		6.24		TAS		12.9	0.97	m_e mb	5.1
ROTZ	68.14		P	07:22:28.723	-0.1	77.0		6.24		TAS		21.0	1.19	m_e mb	5.2
WET	67.84		P	07:22:26.517	-0.1	77.0		6.24		TAS		7.0	0.83	m_e mb	4.9
WLF	71.97		P	07:22:52.012		77.0		6.24		TAS		25.8	1.05	m_e mb	5.3

Event 10201008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/01	17:50:36.10		0.36	-19.6400	-175.8600				196.6			28	255	145.40	151.18	m i ke	NEIC
10201070																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.08		PKPbc	18:10:00.384	-0.2	13.2		2.58		TAS					m_e
ASSE	147.17		PKPbc	18:09:55.458	0.3	13.2		2.58		TAS					m_e
BFO	151.18		PKPbc	18:10:05.144		13.2		2.58		TAS					m_e
BRG	147.88		PKPbc	18:09:57.344	0.4	13.2		2.58		TAS					m_e
BSEG	145.44		PKPbc	18:09:50.340	-0.4	13.2		2.58		TAS					m_e
BUG	148.17		PKPbc	18:09:57.790	0.2	13.2		2.58		TAS					m_e
CLL	147.63		PKPbc	18:09:56.549	0.0	13.2		2.58		TAS					m_e
CLZ	147.49		PKPbc	18:09:56.407	0.2	13.2		2.58		TAS					m_e
FBE	147.94		PKPbc	18:09:57.885	0.2	13.2		2.58		TAS					m_e
FLT1	146.91		PKPbc	18:09:54.316	0.2	13.2		2.58		TAS					m_e
FUR	150.97		PKPbc	18:10:04.735		13.2		2.58		TAS					m_e
GEC2	149.86		PKPbc	18:10:02.300	-0.5	13.2		2.58		TAS					m_e
GTTG	147.83		PKPbc	18:09:57.142	0.1	13.2		2.58		TAS					m_e
GUNZ	148.66		PKPbc	18:09:59.466	0.4	13.2		2.58		TAS					m_e
HLG	145.40		PKPbc	18:09:50.460	-0.5	13.2		2.58		TAS					m_e
MANZ	149.06		PKPbc	18:10:00.534	0.3	13.2		2.58		TAS					m_e
NEUB	147.94		PKPbc	18:09:57.437	-0.2	13.2		2.58		TAS					m_e
NRDL	146.88		PKPbc	18:09:54.470	-0.3	13.2		2.58		TAS					m_e
PLN	148.57		PKPbc	18:09:59.177	0.2	13.2		2.58		TAS					m_e
RJOB	151.10		PKPbc	18:10:04.856		13.2		2.58		TAS					m_e
ROTZ	149.26		PKPbc	18:10:01.138	0.5	13.2		2.58		TAS					m_e
RUE	146.38		PKPbc	18:09:52.962	-0.1	13.2		2.58		TAS					m_e
STU	150.65		PKPbc	18:10:04.153		13.2		2.58		TAS					m_e
TANN	148.59		PKPbc	18:09:59.242	0.1	13.2		2.58		TAS					m_e
TNS	149.29		PKPbc	18:10:00.965	-0.1	13.2		2.58		TAS					m_e
WERD	148.58		PKPbc	18:09:59.229	0.3	13.2		2.58		TAS					m_e
WET	149.74		PKPbc	18:10:02.344	-0.8	13.2		2.58		TAS					m_e
WLF	150.00		PKPbc	18:10:03.191		13.2		2.58		TAS					m_e

Event 10202001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/02	00:38:23.83			55.6560	-160.7350				39.7	0.6		33		70.05	76.84	m i ke	BGR
10202007																	

Magnitude Err Nsta Author OrigID

mb 6.2 BGR 10202007

MBB 6.5 BGR 10202007
 Ms 5.4 BGR 10202007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.69		P	00:49:51.373	0.2	355.3		5.83		TAS		224.2	1.37	m_e	MBB 6.5
AHRW	73.69		sP	00:50:07.436						T__				m_e	
ASSE	72.35		P	00:49:43.414	-0.1	355.3		5.83		TAS		267.3	1.37	m_e	MBB 6.5
ASSE	72.35		sP	00:49:59.320						T__				m_e	
BFO	75.98		P	00:50:04.235	-0.4	355.3		5.83		TAS		197.8	1.50	m_e	MBB 6.4
BFO	75.98		sP	00:50:20.164						T__				m_e	
BRG	73.75		P	00:49:51.553	-0.0	355.3		5.83		TAS		253.7	1.34	m_e	MBB 6.4
BRG	73.75		sP	00:50:07.618						T__				m_e	
BSEG	70.53		P	00:49:32.763	-0.1	355.3		5.83		TAS		324.9	1.29	m_e	MBB 6.7
BSEG	70.53		sP	00:49:48.734						T__				m_e	
BUG	72.81		P	00:49:45.810	-0.3	355.3		5.83		TAS		406.5	1.44	m_e	MBB 6.6
BUG	72.81		sP	00:50:01.906						T__				m_e	
CLL	73.28		P	00:49:48.558	-0.3	355.3		5.83		TAS		208.0	1.24	m_e	MBB 6.4
CLL	73.28		sP	00:50:04.613						T__				m_e	
CLZ	72.62		P	00:49:45.323	0.3	355.3		5.83		TAS		415.7	1.34	m_e	MBB 6.7
CLZ	72.62		sP	00:50:01.436						T__				m_e	
FBE	73.68		P	00:49:51.379	0.2	355.3		5.83		TAS		380.0	1.30	m_e	MBB 6.5
FBE	73.68		sP	00:50:07.500						T__				m_e	
FLT1	72.18		P	00:49:41.947	-0.5	355.3		5.83		TAS		237.6	1.31	m_e	MBB 6.4
FLT1	72.18		sP	00:49:57.715						T__				m_e	
FUR	76.34		P	00:50:06.563	-0.2	355.3		5.83		TAS		371.9	1.45	m_e	MBB 6.6
FUR	76.34		sP	00:50:22.592						T__				m_e	
GEC2	75.77		P	00:50:03.360	-0.0	355.3		5.83		TAS		180.4	1.35	m_e	MBB 6.4
GEC2	75.77		sP	00:50:19.380						T__				m_e	
GRA1	74.81		P	00:49:58.117	0.3	355.3		5.83		TAS		292.7	1.35	m_e	mb 6.1
GRA1	74.81		sP	00:50:14.172						T__				m_e	
GRA1	74.81		L	01:22:18.389						T__		2193.7	21.50	a_e	Ms 5.4
GTTG	72.89		P	00:49:46.785	0.2	355.3		5.83		TAS		328.4	1.20	m_e	MBB 6.6
GTTG	72.89		sP	00:50:02.767						T__				m_e	
GUNZ	74.19		P	00:49:54.329	0.1	355.3		5.83		TAS		227.5	1.51	m_e	MBB 6.3
GUNZ	74.19		sP	00:50:10.362						T__				m_e	
HLG	70.12		P	00:49:30.428	-0.1	355.3		5.83		TAS		661.8	1.26	m_e	MBB 6.8
HLG	70.12		sP	00:49:46.397						T__				m_e	
IBBN	71.98		P	00:49:41.425	0.1	355.3		5.83		TAS		394.4	1.30	m_e	MBB 6.7
IBBN	71.98		sP	00:49:57.402						T__				m_e	
MANZ	74.56		P	00:49:56.206	-0.2	355.3		5.83		TAS		213.2	1.55	m_e	MBB 6.3
MANZ	74.56		sP	00:50:12.292						T__				m_e	
MOX	73.88		P	00:49:52.416	0.0	355.3		5.83		TAS		312.3	1.25	m_e	MBB 6.4
MOX	73.88		sP	00:50:08.454						T__				m_e	
MOX	73.88		L	01:29:52.076						T__		2072.6	20.80	a_e	Ms 5.4
NEUB	73.34		P	00:49:49.186	-0.1	355.3		5.83		TAS		352.2	1.24	m_e	MBB 6.7
NEUB	73.34		sP	00:50:05.156						T__				m_e	
NRDL	71.95		P	00:49:41.018	-0.1	355.3		5.83		TAS		258.4	1.22	m_e	MBB 6.5
NRDL	71.95		sP	00:49:57.085						T__				m_e	
PLN	74.06		P	00:49:53.460	0.0	355.3		5.83		TAS		192.9	1.39	m_e	MBB 6.2

PLN	74.06	sP	00:50:09.668							T__						m_e	
RGN	70.05	P	00:49:30.107	0.1	355.3			5.83		TAS	552.7	1.15	m_e	MBB		6.8	
RGN	70.05	sP	00:49:45.986							T__						m_e	
RJOB	76.84	P	00:50:09.518	-0.1	355.3			5.83		TAS	163.6	1.16	m_e	MBB		6.5	
RJOB	76.84	sP	00:50:25.569							T__						m_e	
ROTZ	74.78	P	00:49:57.944	0.3	355.3			5.83		TAS	259.2	1.42	m_e	MBB		6.4	
ROTZ	74.78	sP	00:50:13.976							T__						m_e	
RUE	72.14	P	00:49:42.302	0.1	355.3			5.83		TAS	432.5	1.17	m_e	MBB		6.8	
RUE	72.14	sP	00:49:58.224							T__						m_e	
STU	75.60	P	00:50:02.114	-0.3	355.3			5.83		TAS	187.1	1.31	m_e	MBB		6.4	
STU	75.60	sP	00:50:18.243							T__						m_e	
TANN	74.15	P	00:49:54.051	0.1	355.3			5.83		TAS	256.6	1.58	m_e	MBB		6.4	
TANN	74.15	sP	00:50:10.166							T__						m_e	
TNS	74.11	P	00:49:53.615	-0.1	355.3			5.83		TAS	230.4	1.32	m_e	MBB		6.4	
TNS	74.11	sP	00:50:09.735							T__						m_e	
WERD	74.11	P	00:49:53.738	0.0	355.3			5.83		TAS	174.1	1.47	m_e	MBB		6.3	
WERD	74.11	sP	00:50:09.735							T__						m_e	
WERN	74.27	P	00:49:54.989	0.3	355.3			5.83		TAS	241.4	1.36	m_e	MBB		6.3	
WERN	74.27	sP	00:50:10.883							T__						m_e	
WET	75.43	P	00:50:01.515	0.1	355.3			5.83		TAS	248.6	1.49	m_e	MBB		6.4	
WET	75.43	sP	00:50:17.655							T__						m_e	
WLF	74.48	P	00:49:56.206	0.5	355.3			5.83		TAS	280.3	1.33	m_e	MBB		6.4	
WLF	74.48	sP	00:50:12.097							T__						m_e	

Event 10202006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/02	16:38:10.60		0.07	-24.7500	179.9800				513.1				24	257	149.84	155.56	m i ke NEIC
	10202068																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.47		PKPbc	16:57:06.495	0.0	20.5		2.23		TAS					m_e
ASSE	151.47		PKPab	16:57:16.866	0.4	20.3		4.31		TAS					m_e
BFO	155.56		PKPab	16:57:34.276		20.3		4.31		TAS					m_e
BRG	151.78		PKPbc	16:57:07.369	0.2	20.5		2.23		TAS					m_e
BRG	151.78		PKPab	16:57:18.593	0.2	20.3		4.31		TAS					m_e
BSEG	149.84		PKPbc	16:57:02.690	0.1	20.5		2.23		TAS					m_e
BSEG	149.84		PKPab	16:57:10.241	-0.4	20.3		4.31		TAS					m_e
CLL	151.66		PKPbc	16:57:06.874	0.4	20.5		2.23		TAS					m_e
CLL	151.66		PKPab	16:57:17.716	-0.1	20.3		4.31		TAS					m_e
CLZ	151.81		PKPbc	16:57:07.510	-0.0	20.5		2.23		TAS					m_e
CLZ	151.81		PKPab	16:57:18.775	-0.1	20.3		4.31		TAS					m_e
FBE	151.91		PKPbc	16:57:07.828	0.0	20.5		2.23		TAS					m_e
FBE	151.91		PKPab	16:57:19.414	-0.1	20.3		4.31		TAS					m_e

FLT1	151.16	PKPbc	16:57:05.426	0.1	20.5	2.23	TAS	m_e
FLT1	151.16	PKPab	16:57:15.254	-0.3	20.3	4.31	TAS	m_e
FUR	154.98	PKPab	16:57:32.737		20.3	4.31	TAS	m_e
GEC2	153.64	PKPab	16:57:26.633		20.3	4.31	TAS	m_e
GTTG	152.17	PKPbc	16:57:07.969	-0.3	20.5	2.23	TAS	m_e
GTTG	152.17	PKPab	16:57:20.021	-0.1	20.3	4.31	TAS	m_e
GUNZ	152.69	PKPbc	16:57:09.331		20.5	2.23	TAS	m_e
GUNZ	152.69	PKPab	16:57:22.782	0.1	20.3	4.31	TAS	m_e
IBBN	151.85	PKPab	16:57:18.593	0.1	20.3	4.31	TAS	m_e
MANZ	153.10	PKPbc	16:57:10.173		20.5	2.23	TAS	m_e
MOX	152.63	PKPbc	16:57:08.789	0.0	20.5	2.23	TAS	m_e
MOX	152.63	PKPab	16:57:21.962	0.2	20.3	4.31	TAS	m_e
NEUB	152.08	PKPbc	16:57:07.822	-0.1	20.5	2.23	TAS	m_e
NEUB	152.08	PKPab	16:57:19.625	0.1	20.3	4.31	TAS	m_e
NRDL	151.25	PKPbc	16:57:05.966	-0.1	20.5	2.23	TAS	m_e
NRDL	151.25	PKPab	16:57:15.896	-0.2	20.3	4.31	TAS	m_e
PLN	152.63	PKPbc	16:57:09.029	0.0	20.5	2.23	TAS	m_e
PLN	152.63	PKPab	16:57:22.235	0.3	20.3	4.31	TAS	m_e
RJOB	154.91	PKPab	16:57:32.699		20.3	4.31	TAS	m_e
ROTZ	153.27	PKPab	16:57:25.331	0.3	20.3	4.31	TAS	m_e
RUE	150.40	PKPbc	16:57:04.189	0.1	20.5	2.23	TAS	m_e
TANN	152.61	PKPbc	16:57:09.100	-0.1	20.5	2.23	TAS	m_e
TANN	152.61	PKPab	16:57:22.114	0.1	20.3	4.31	TAS	m_e
TNS	153.73	PKPab	16:57:26.633		20.3	4.31	TAS	m_e
WERD	152.63	PKPbc	16:57:08.994	0.1	20.5	2.23	TAS	m_e
WERD	152.63	PKPab	16:57:22.296	0.3	20.3	4.31	TAS	m_e
WERN	152.75	PKPbc	16:57:09.438		20.5	2.23	TAS	m_e
WERN	152.75	PKPab	16:57:23.025	-0.5	20.3	4.31	TAS	m_e
WET	153.63	PKPab	16:57:26.970		20.3	4.31	TAS	m_e

Event 10203001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/03	03:22:57.80			-14.6400	166.5600				53.0			25		136.49	141.90	m i ke	NEIC
	10203063																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	140.52		PKiKP	03:42:26.368		37.7		2.05		TAS					m_e
ASSE	137.94		PKiKP	03:42:21.254	0.3	37.7		2.05		TAS					m_e
BFO	141.90		PKiKP	03:42:29.074		37.7		2.05		TAS					m_e
BRG	137.64		PKiKP	03:42:20.652	0.3	37.7		2.05		TAS					m_e
BSEG	136.58		PKiKP	03:42:18.211	-0.3	37.7		2.05		TAS					m_e
CLL	137.69		PKiKP	03:42:20.563	-0.0	37.7		2.05		TAS					m_e
CLZ	138.28		PKiKP	03:42:22.260	0.0	37.7		2.05		TAS					m_e

FBE	137.84	PKiKP	03:42:21.308	0.0	37.7	2.05	TAS	m_e
FLT1	137.57	PKiKP	03:42:20.160	-0.1	37.7	2.05	TAS	m_e
GEC2	139.25	PKiKP	03:42:23.958	0.0	37.7	2.05	TAS	m_e
GUNZ	138.69	PKiKP	03:42:22.856	0.1	37.7	2.05	TAS	m_e
MANZ	139.07	PKiKP	03:42:23.864	-0.4	37.7	2.05	TAS	m_e
MOX	138.76	PKiKP	03:42:22.830	0.1	37.7	2.05	TAS	m_e
NEUB	138.27	PKiKP	03:42:21.844	0.0	37.7	2.05	TAS	m_e
NRDL	137.84	PKiKP	03:42:21.046	-0.0	37.7	2.05	TAS	m_e
PLN	138.67	PKiKP	03:42:22.737	-0.1	37.7	2.05	TAS	m_e
RJOB	140.48	PKiKP	03:42:26.162		37.7	2.05	TAS	m_e
ROTZ	139.20	PKiKP	03:42:23.982	-0.2	37.7	2.05	TAS	m_e
RUE	136.49	PKiKP	03:42:18.301	-0.3	37.7	2.05	TAS	m_e
STU	141.21	PKiKP	03:42:27.948		37.7	2.05	TAS	m_e
TANN	138.60	PKiKP	03:42:22.588	0.1	37.7	2.05	TAS	m_e
TNS	140.30	PKiKP	03:42:26.102		37.7	2.05	TAS	m_e
WERN	138.73	PKiKP	03:42:22.975	-0.1	37.7	2.05	TAS	m_e
WET	139.39	PKiKP	03:42:24.375	0.4	37.7	2.05	TAS	m_e
WLF	141.58	PKiKP	03:42:29.172		37.7	2.05	TAS	m_e

Event 10203005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/03	20:25:20.03		0.90	-15.8860	-173.2460				33.0			15	158	145.11	147.85	m i ke	BGR
	10203011																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	10203011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FUR	147.60		PKPbc	20:45:00.167		7.7		3.21		TAS				m_e	
GEC2	146.64		PKPbc	20:44:57.481		7.7		3.21		TAS				m_e	
GRA1	146.09		PKPbc	20:44:55.892		7.7		3.21		TAS				m_e	
GRA1	146.09		L	21:50:46.480						T__		1669.4	19.80	a_e Ms	5.8
GUNZ	145.32		PKPbc	20:44:53.028		7.7		3.21		TAS				m_e	
MANZ	145.71		PKPbc	20:44:54.443		7.7		3.21		TAS				m_e	
MOX	145.11		PKPbc	20:44:52.041		7.7		3.21		TAS				m_e	
MOX	145.11		L	21:56:27.516						T__		1794.9	18.80	a_e Ms	5.9
PLN	145.21		PKPbc	20:44:52.436		7.7		3.21		TAS				m_e	
RJOB	147.85		PKPbc	20:45:00.873		7.7		3.21		TAS				m_e	
ROTZ	145.92		PKPbc	20:44:55.326		7.7		3.21		TAS				m_e	
TANN	145.25		PKPbc	20:44:52.743		7.7		3.21		TAS				m_e	
TNS	145.72		PKPbc	20:44:54.226		7.7		3.21		TAS				m_e	
WERD	145.24		PKPbc	20:44:52.531		7.7		3.21		TAS				m_e	
WERN	145.39		PKPbc	20:44:53.100		7.7		3.21		TAS				m_e	
WET	146.46		PKPbc	20:44:56.775		7.7		3.21		TAS				m_e	
WLF	146.31		PKPbc	20:44:56.669		7.7		3.21		TAS				m_e	

Event 10204001 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	02:39:19.66			38.5620	91.6100				33.0			13		54.10	58.43	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10204007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	58.43		P	02:49:10.000		68.5		7.16		TAS		4.0	0.79	m_e mb	4.5
BRG	54.10		P	02:48:39.506	-0.0	68.5		7.16		TAS		4.5	0.97	m_e mb	4.5
BSEG	55.19		P	02:48:47.161	0.3	68.5		7.16		TAS		7.5	0.79	m_e mb	4.8
BUG	57.82		P	02:49:05.693	-0.6	68.5		7.16		TAS		5.9	0.69	m_e mb	4.7
CLL	54.52		P	02:48:42.071	-0.2	68.5		7.16		TAS		3.9	0.74	m_e mb	4.5
FUR	56.68		P	02:48:58.191		68.5		7.16		TAS		14.0	0.78	m_e mb	5.1
GEC2	54.93		P	02:48:45.739		68.5		7.16		TAS		2.3	0.86	m_e mb	4.2
GRA1	56.15		P	02:48:55.014		68.5		7.16		TAS		8.4	0.75	m_e mb	4.8
GTTG	56.22		P	02:48:54.952	-0.4	68.5		7.16		TAS		7.5	0.84	m_e mb	4.8
IBBN	57.21		P	02:49:01.240	-0.3	68.5		7.16		TAS		12.5	0.72	m_e mb	5.0
MOX	55.57		P	02:48:50.179	-0.5	68.5		7.16		TAS		4.6	0.99	m_e mb	4.5
NRDL	55.80		P	02:48:52.111	0.6	68.5		7.16		TAS				m_e	
RJOB	55.90		P	02:48:53.875		68.5		7.16		TAS		4.7	0.81	m_e mb	4.6
TANN	55.14		P	02:48:46.724	0.1	68.5		7.16		TAS		1.8	0.81	m_e mb	4.2
TNS	57.61		P	02:49:04.558		68.5		7.16		TAS		4.0	0.84	m_e mb	4.5
WET	55.34		P	02:48:48.661		68.5		7.16		TAS		2.0	0.73	m_e mb	4.2

Event 10204002 Volcano Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	04:16:38.40			22.5900	143.6100				101.8			19		93.83	98.85	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10204008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	98.85		P	04:30:05.187		43.4		4.60		TAS		4.2	0.76	m_e mb	5.2
BRG	94.49		P	04:29:45.561	0.0	43.4		4.60		TAS		5.3	0.88	m_e mb	4.9
BSEG	93.83		P	04:29:42.321	-0.3	43.4		4.60		TAS		12.9	0.86	m_e mb	5.3
CLL	94.60		P	04:29:45.847	-0.2	43.4		4.60		TAS		7.7	0.81	m_e mb	5.2
FBE	94.72		P	04:29:46.801		43.4		4.60		TAS		9.0	0.82	m_e mb	5.2

GEC2	96.03	P	04:29:52.427	0.1	43.4	4.60	TAS	3.4	0.73	m_e	mb	5.0
GRA1	96.56	P	04:29:55.154		43.4	4.60	TAS	2.9	0.70	m_e	mb	5.0
GTTG	95.74	P	04:29:51.514		43.4	4.60	TAS	4.4	0.81	m_e	mb	5.0
GUNZ	95.58	P	04:29:50.615		43.4	4.60	TAS	5.8	0.89	m_e	mb	5.1
IBBN	96.07	P	04:29:53.379	-0.4	43.4	4.60	TAS	11.9	0.81	m_e	mb	5.5
MOX	95.69	P	04:29:50.806	0.5	43.4	4.60	TAS	3.4	0.89	m_e	mb	4.9
NEUB	95.23	P	04:29:48.899		43.4	4.60	TAS	13.7	0.89	m_e	mb	5.4
NKC	95.62	P	04:29:50.997		43.4	4.60	TAS	6.2	0.86	m_e	mb	5.2
NRDL	94.98	P	04:29:48.582		43.4	4.60	TAS	4.4	0.96	m_e	mb	4.9
RJOB	97.24	P	04:29:58.252		43.4	4.60	TAS	6.7	0.75	m_e	mb	5.4
ROTZ	96.06	P	04:29:53.190	0.1	43.4	4.60	TAS	3.7	0.86	m_e	mb	4.9
TANN	95.48	P	04:29:50.193	-0.1	43.4	4.60	TAS	1.6	0.81	m_e	mb	4.5
TAUT	95.41	P	04:29:49.757		43.4	4.60	TAS	12.4	0.74	m_e	mb	5.4
TRIB	95.67	P	04:29:50.901		43.4	4.60	TAS	3.3	0.84	m_e	mb	4.9
WERD	95.53	P	04:29:50.138		43.4	4.60	TAS	3.5	0.87	m_e	mb	4.9
WERN	95.61	P	04:29:50.997		43.4	4.60	TAS	5.9	0.89	m_e	mb	5.1
WET	96.20	P	04:29:53.648		43.4	4.60	TAS	0.9	0.89	m_e	mb	4.3

Event 10204005 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	11:15:42.21		0.21	29.4100	131.2900				33.0			29	296	81.95	87.42	m i ke	BGR
10204011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10204011
Ms	5.3		BGR	10204011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.38		P	11:28:21.904		49.2		5.04		TAS		79.1	1.38	m_e	mb	5.7
ASSE	83.64		P	11:28:07.961	-0.2	49.2		5.04		TAS		130.2	1.86	m_e	mb	5.8
BRG	82.88		P	11:28:04.048	-0.4	49.2		5.04		TAS		59.9	1.64	m_e	mb	5.6
BSEG	82.62		P	11:28:02.503	-0.1	49.2		5.04		TAS		58.5	1.44	m_e	mb	5.6
BUG	85.67		P	11:28:17.951	0.1	49.2		5.04		TAS		59.6	1.25	m_e	mb	5.6
CLL	83.06		P	11:28:04.698	0.1	49.2		5.04		TAS		68.6	1.21	m_e	mb	5.8
CLZ	83.97		P	11:28:10.118	-0.3	49.2		5.04		TAS		135.5	1.22	m_e	mb	6.0
FBE	83.14		P	11:28:05.582	-0.5	49.2		5.04		TAS		75.6	1.29	m_e	mb	5.8
FLT1	83.25		P	11:28:05.490	0.0	49.2		5.04		TAS		89.1	1.50	m_e	mb	5.8
FUR	85.95		P	11:28:19.740	-0.2	49.2		5.04		TAS		160.9	1.55	m_e	mb	5.9
GEC2	84.27		P	11:28:10.959	0.4	49.2		5.04		TAS		52.7	1.34	m_e	mb	5.6
GRA1	84.98		P	11:28:14.943	0.1	49.2		5.04		TAS		121.8	1.35	m_e	mb	6.0
GRA1	84.98		L	12:09:31.630						T__		1143.1	20.40	a_e	Ms	5.3
GTTG	84.36		P	11:28:11.609	0.0	49.2		5.04		TAS		69.4	1.08	m_e	mb	5.8
GUNZ	83.99		P	11:28:09.729	-0.3	49.2		5.04		TAS		115.7	1.60	m_e	mb	5.9
IBBN	84.86		P	11:28:14.049	-0.2	49.2		5.04		TAS		134.5	1.32	m_e	mb	6.0
MANZ	84.35		P	11:28:11.655	-0.2	49.2		5.04		TAS		35.0	1.02	m_e	mb	5.5

MOX	84.16	P	11:28:10.634	0.0	49.2	5.04	TAS	53.0	1.44	m_e	mb	5.6
MOX	84.16	L	12:09:28.668				T__	1502.0	19.70	a_e	Ms	5.4
NEUB	83.73	P	11:28:08.190	0.1	49.2	5.04	TAS	133.8	1.09	m_e	mb	6.1
NRDL	83.66	P	11:28:08.194	-0.0	49.2	5.04	TAS	27.2	1.17	m_e	mb	5.4
PLN	84.00	P	11:28:09.619	-0.2	49.2	5.04	TAS	40.0	1.21	m_e	mb	5.5
RJOB	85.44	P	11:28:17.138	0.1	49.2	5.04	TAS	59.1	1.41	m_e	mb	5.6
ROTZ	84.44	P	11:28:12.411	0.2	49.2	5.04	TAS	111.8	1.41	m_e	mb	5.9
RUE	81.95	P	11:28:00.203	-0.2	49.2	5.04	TAS	52.2	0.74	m_e	mb	5.7
STU	86.58	P	11:28:22.586		49.2	5.04	TAS	19.3	0.38	m_e	mb	5.6
TANN	83.90	P	11:28:09.251	0.5	49.2	5.04	TAS	35.1	1.28	m_e	mb	5.4
TNS	85.96	P	11:28:19.740	0.1	49.2	5.04	TAS	30.1	1.04	m_e	mb	5.4
WERD	83.95	P	11:28:09.643	-0.2	49.2	5.04	TAS	37.9	1.07	m_e	mb	5.6
WERN	84.02	P	11:28:09.619	0.1	49.2	5.04	TAS	57.9	1.13	m_e	mb	5.7
WET	84.50	P	11:28:12.179	0.1	49.2	5.04	TAS	19.6	1.39	m_e	mb	5.1
WLF	87.42	P	11:28:27.038		49.2	5.04	TAS	72.0	1.19	m_e	mb	5.7

Event 10204006 Near coast of Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	12:16:53.69		0.21	10.8920	-62.6440				170.4	1.6		13	296	68.07	73.17	m i ke	BGR
OrigID 10204012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10204012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.79		P	12:27:39.995	0.3	264.8		6.00		TAS		13.3	0.66	m_e	mb 5.3
BFO	69.30		P	12:27:43.433	0.0	264.8		6.00		TAS		8.3	0.69	m_e	mb 5.1
BRG	73.17		P	12:28:05.797		264.8		6.00		TAS		12.5	1.01	m_e	mb 5.0
BRG	73.17		pP	12:28:46.992						T__				m_e	
BSEG	71.24		P	12:27:54.399	-0.0	264.8		6.00		TAS		12.9	0.87	m_e	mb 5.1
CLL	72.60		P	12:28:02.555		264.8		6.00		TAS		12.7	0.94	m_e	mb 5.0
CLL	72.60		pP	12:28:43.164						T__				m_e	
GEC2	72.90		P	12:28:04.171		264.8		6.00		TAS		17.6	0.91	m_e	mb 5.2
GEC2	72.90		pP	12:28:45.038						T__				m_e	
IBBN	69.48		P	12:27:43.766	-0.1	264.8		6.00		TAS		45.6	0.79	m_e	mb 5.8
RJOB	72.23		P	12:28:00.707		264.8		6.00		TAS		13.6	0.84	m_e	mb 5.1
STU	69.92		P	12:27:45.952	0.3	264.8		6.00		TAS				m_e	
TANN	72.19		P	12:28:00.138		264.8		6.00		TAS		7.3	0.97	m_e	mb 4.8
TNS	69.61		P	12:27:44.534	-0.6	264.8		6.00		TAS		33.3	0.74	m_e	mb 5.6
WET	72.37		P	12:28:01.114		264.8		6.00		TAS		5.4	0.80	m_e	mb 4.7
WET	72.37		pP	12:28:41.810						T__				m_e	
WLF	68.07		P	12:27:34.989	-0.4	264.8		6.00		TAS		25.0	0.91	m_e	mb 5.4

Event 10204007 Myanmar-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	13:53:50.64		0.53	24.9600	94.4100				93.3	1.4		7	267	65.17	70.31	m i ke	BGR
OrigID 10204013																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	10204013
MBB	6.9		BGR	10204013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	69.51		S	14:13:56.220		76.1		12.94		TAS					m_e
AHRW	69.51		P	14:04:49.126	-0.1	79.1		6.26		TAS		313.6	1.03	a_e	MBB 6.7
BFO	69.27		P	14:04:47.076	-0.5	79.1		6.26		TAS		266.6	1.37	a_e	MBB 6.6
BFO	69.27		pP	14:05:11.067						T__					m_e
BRG	65.17		S	14:12:56.657	-1.7	76.1		12.94		TAS					m_e
BRG	65.17		P	14:04:21.776	-0.3	79.1		6.26		TAS		707.6	1.32	a_e	MBB 6.8
BRG	65.17		P`P`bc	14:33:03.293		256.9		3.26		TAS					m_e
BSEG	66.82		P	14:04:32.676	0.3	79.1		6.26		TAS		1058.1	0.96	a_e	MBB 7.1
BUG	69.17		S	14:13:48.689		76.1		12.94		TAS					m_e
BUG	69.17		P	14:04:46.926	-0.2	79.1		6.26		TAS		573.9	1.18	a_e	MBB 6.8
BUG	69.17		pP	14:05:10.922						T__					m_e
BUG	69.17		P`P`bc	14:32:51.029		256.9		3.26		TAS					m_e
CLL	65.68		P	14:04:24.676	-0.6	79.1		6.26		TAS		453.0	1.21	m_e	MBB 6.8
CLL	65.68		P`P`bc	14:33:01.969	0.4	256.9		3.26		TAS					m_e
CLZ	67.19		P	14:04:34.776	-0.0	79.1		6.26		TAS		897.8	1.23	a_e	MBB 7.0
FUR	67.40		P	14:04:35.926	0.2	79.1		6.26		TAS		686.2	1.17	a_e	MBB 7.0
FUR	67.40		pP	14:04:59.544						T__					m_e
GEC2	65.68		P	14:04:25.126	0.1	79.1		6.26		TAS		800.2	1.32	a_e	MBB 6.9
GEC2	65.68		pP	14:04:48.606						T__					m_e
GRA1	67.11		P	14:04:34.676	0.6	79.1		6.26		TAS		1147.0	1.58	a_e	MBB 7.0
GRA1	67.11		P`P`bc	14:32:58.114		256.9		3.26		TAS					m_e
GTTG	67.50		P	14:04:36.576	-0.1	79.1		6.26		TAS		607.1	1.26	a_e	MBB 6.8
GTTG	67.50		P`P`bc	14:32:55.964		256.9		3.26		TAS					m_e
IBBN	68.67		P	14:04:43.926	-0.1	79.1		6.26		TAS		673.7	1.27	a_e	MBB 6.8
IBBN	68.67		P`P`bc	14:32:52.905		256.9		3.26		TAS					m_e
MOX	66.67		P	14:04:31.276	-0.1	79.1		6.26		TAS		431.6	1.18	a_e	MBB 6.8
MOX	66.67		pP	14:04:54.760						T__					m_e
MOX	66.67		P`P`bc	14:32:59.260	-0.0	256.9		3.26		TAS					m_e
NRDL	67.22		P	14:04:35.326	0.4	79.1		6.26		TAS		1098.5	1.22	a_e	MBB 7.1
NRDL	67.22		P`P`bc	14:32:57.593		256.9		3.26		TAS					m_e
RJOB	66.49		P	14:04:29.826	-0.0	79.1		6.26		TAS		327.0	1.10	a_e	MBB 6.8
RJOB	66.49		P`P`bc	14:32:59.156	-0.0	256.9		3.26		TAS					m_e
ROTZ	66.46		P	14:04:30.626	0.6	79.1		6.26		TAS		1187.9	1.26	a_e	MBB 7.0
ROTZ	66.46		P`P`bc	14:33:00.198	0.4	256.9		3.26		TAS					m_e
STU	68.61		P	14:04:43.426	0.0	79.1		6.26		TAS		956.7	1.24	a_e	MBB 6.9
TANN	66.18		S	14:13:11.719	-0.5	76.1		12.94		TAS					m_e
TANN	66.18		P	14:04:28.226	-0.1	79.1		6.26		TAS		466.2	1.30	a_e	MBB 6.7

TANN	66.18	pP	14:04:51.607							T__						m_e
TANN	66.18	P`P`bc	14:33:01.135	0.1	256.9			3.26		TAS						m_e
TNS	68.74	S	14:13:47.320		76.1			12.94		TAS						m_e
TNS	68.74	P	14:04:44.226	-0.1	79.1			6.26		TAS	472.4	1.00	a_e	MBB	6.7	
WET	66.16	S	14:13:12.404	2.9	76.1			12.94		TAS						m_e
WET	66.16	P	14:04:27.926	-0.1	79.1			6.26		TAS	188.4	0.82	a_e	MBB	6.4	
WET	66.16	pP	14:04:51.729							T__						m_e
WLF	70.31	S	14:14:01.355		76.1			12.94		TAS						m_e
WLF	70.31	P	14:04:54.526	0.3	79.1			6.26		TAS	1596.2	1.11	a_e	MBB	7.1	
WLF	70.31	pP	14:05:18.261							T__						m_e

Event 10204008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	14:24:19.12		0.53	-21.5570	171.5800				33.0			20	267	144.67	150.10	m i ke	BGR
10204014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.61		PKPbc	14:44:02.418	-0.2	36.0		2.80		TAS					a_e
BFO	150.10		PKPbc	14:44:06.136		36.0		2.80		TAS					m_e
BRG	145.90		PKPbc	14:43:54.518	-0.1	36.0		2.80		TAS					a_e
BSEG	144.67		PKPbc	14:43:51.218	-0.2	36.0		2.80		TAS					a_e
CLL	145.93		PKPbc	14:43:54.418	-0.2	36.0		2.80		TAS					a_e
CLZ	146.43		PKPbc	14:43:56.472	0.3	36.0		2.80		TAS					m_e
FUR	149.11		PKPbc	14:44:03.418	-0.2	36.0		2.80		TAS					a_e
GEC2	147.56		PKPbc	14:43:59.318	-0.0	36.0		2.80		TAS					m_e
GRA1	147.90		PKPbc	14:44:00.418	0.2	36.0		2.80		TAS					a_e
GTTG	146.82		PKPbc	14:43:57.368	0.1	36.0		2.80		TAS					a_e
IBBN	146.85		PKPbc	14:43:57.368	-0.3	36.0		2.80		TAS					a_e
MOX	146.98		PKPbc	14:43:57.618	0.0	36.0		2.80		TAS					a_e
NRDL	145.97		PKPbc	14:43:54.918	-0.0	36.0		2.80		TAS					a_e
RJOB	148.79		PKPbc	14:44:02.676	-0.0	36.0		2.80		TAS					m_e
ROTZ	147.46		PKPbc	14:43:59.368	0.4	36.0		2.80		TAS					a_e
STU	149.42		PKPbc	14:44:04.268	0.2	36.0		2.80		TAS					a_e
TANN	146.84		PKPbc	14:43:57.468	0.2	36.0		2.80		TAS					a_e
TNS	148.45		PKPbc	14:44:01.968	-0.2	36.0		2.80		TAS					a_e
WET	147.68		PKPbc	14:43:59.568	-0.0	36.0		2.80		TAS					a_e
WLF	149.66		PKPbc	14:44:05.618	-0.2	36.0		2.80		TAS					a_e

Event 10204009 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/02/04 19:28:20.00 0.53 36.8200 68.5700 38.2 267 42.70 42.70 m i ke NEIC
 10204072

Magnitude Err Nsta Author OrigID
 mb 4.2 BGR 10204015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	42.70		P	19:36:13.887		85.1		7.50		TAS		6.4	1.15	m_e mb	4.2

Event 10204010 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/04	23:36:43.50	0.53	-18.1200	-178.3400					582.3			9	267	143.63	149.38	m i ke NEIC	

OrigID
 10204073

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.38		PKPbc	23:55:27.104		17.1		2.85		TAS				m_e	
BRG	145.89		PKPbc	23:55:18.087	-0.3	17.1		2.85		TAS				m_e	
BSEG	143.63		PKPbc	23:55:10.885	-0.4	17.1		2.85		TAS				m_e	
CLL	145.68		PKPbc	23:55:17.360	0.3	17.1		2.85		TAS				m_e	
GEC2	147.83		PKPbc	23:55:23.375		17.1		2.85		TAS				m_e	
ROTZ	147.31		PKPbc	23:55:22.262		17.1		2.85		TAS				m_e	
TANN	146.64		PKPbc	23:55:20.265		17.1		2.85		TAS				m_e	
TNS	147.51		PKPbc	23:55:22.565		17.1		2.85		TAS				m_e	
WLF	148.32		PKPbc	23:55:24.986		17.1		2.85		TAS				m_e	

Event 10205001 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/05	00:01:19.80	0.53	71.3800	-5.3900					10.0			13	254	18.82	25.22	m i ke BGR	

OrigID
 10205007

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 10205007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.67		P	00:06:11.925	1.2	349.1		10.51		TAS		15.5	1.31	m_e mb	4.3
BFO	24.00		P	00:06:33.913	-1.4	349.1		10.51		TAS		8.0	0.70	m_e mb	4.4
BSEG	18.82		P	00:05:39.338	-1.2	349.1		10.51		TAS		35.7	1.25	m_e mb	4.5
GEC2	24.29		P	00:06:37.945		349.1		10.51		TAS		12.0	1.23	m_e mb	4.3

GRA1	23.07	P	00:06:25.777	-6.5	349.1	10.51	TAS	41.2	1.63	m_e	mb	4.7
MOX	22.21	P	00:06:16.069	0.3	349.1	10.51	TAS	13.2	1.38	m_e	mb	4.2
NRDL	20.18	P	00:05:55.000	-0.1	349.1	10.51	TAS	29.5	1.49	m_e	mb	4.3
RJOB	25.22	P	00:06:46.327		349.1	10.51	TAS	11.8	0.93	m_e	mb	4.6
ROTZ	23.15	P	00:06:27.016	-1.4	349.1	10.51	TAS	12.5	1.04	m_e	mb	4.4
TANN	22.56	P	00:06:20.039	1.1	349.1	10.51	TAS	17.5	1.57	m_e	mb	4.3
TNS	22.16	P	00:06:16.272	-0.1	349.1	10.51	TAS	12.8	1.26	m_e	mb	4.2
WET	23.86	P	00:06:33.489	0.7	349.1	10.51	TAS	2.9	0.82	m_e	mb	3.9
WLF	22.43	P	00:06:18.427	0.5	349.1	10.51	TAS	19.7	1.18	m_e	mb	4.4

Event 10205003 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
2011/02/05	01:56:11.20		0.60	34.8700	140.4100				35.6			15	112	82.56	86.78	m i ke	NEIC
OrigID 10205065																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10205009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	86.78		P	02:08:51.530		39.8		5.30		TAS		14.2	1.09	m_e	mb	5.0
BUG	84.72		P	02:08:41.847		39.8		5.30		TAS		92.4	1.90	m_e	mb	5.7
CLL	82.56		P	02:08:29.562	0.0	39.8		5.30		TAS		22.4	1.27	m_e	mb	5.2
FUR	85.68		P	02:08:46.583		39.8		5.30		TAS		17.9	0.90	m_e	mb	5.2
GEC2	84.11		P	02:08:37.998		39.8		5.30		TAS		15.7	1.30	m_e	mb	5.1
GRA1	84.53		P	02:08:40.514		39.8		5.30		TAS		26.7	0.99	m_e	mb	5.4
GTTG	83.60		P	02:08:35.276		39.8		5.30		TAS		22.0	1.08	m_e	mb	5.3
RJOB	85.35		P	02:08:45.251		39.8		5.30		TAS		22.1	1.33	m_e	mb	5.2
ROHR	83.66		P	02:08:35.489		39.8		5.30		TAS		9.4	1.19	m_e	mb	4.9
SCHD	83.88		P	02:08:36.983		39.8		5.30		TAS		16.4	1.16	m_e	mb	5.2
STU	86.08		P	02:08:48.359		39.8		5.30		TAS		22.2	0.99	m_e	mb	5.2
TAUT	83.34		P	02:08:33.996	0.1	39.8		5.30		TAS		53.4	1.43	m_e	mb	5.6
TNS	85.24		P	02:08:44.067		39.8		5.30		TAS		17.3	1.18	m_e	mb	5.2
WET	84.25		P	02:08:39.034		39.8		5.30		TAS		5.1	1.00	m_e	mb	4.7
WIMM	83.01		P	02:08:32.027	0.1	39.8		5.30		TAS		30.6	1.48	m_e	mb	5.3

Event 10205005 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/05	16:11:38.50		0.61	-37.6100	-73.3800				13.7			9	216	114.43	115.12	m i ke	NEIC
OrigID 10205067																	

Magnitude	Err	Nsta	Author	OrigID
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Ms 5.8 BGR 10205011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	114.43		L	17:19:25.478						T__		2000.2	19.20	a_e	Ms 5.7
MOX	115.12		L	17:21:14.181						T__		2839.2	18.00	a_e	Ms 5.9

Event 10206001 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/06	08:13:16.46		0.61	27.9840	55.8630				33.0				216	38.42	43.03	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 10206007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	38.92		P	08:20:38.088	0.1	114.8		8.85		TAS		5.3	0.77	m_e	mb 4.2
BSEG	42.04		P	08:21:03.847		114.8		8.85		TAS		10.2	0.93	m_e	mb 4.5
CLL	39.62		P	08:20:44.372	0.4	114.8		8.85		TAS		5.8	0.84	m_e	mb 4.2
GEC2	38.42		P	08:20:34.195	0.0	114.8		8.85		TAS		6.6	0.88	m_e	mb 4.4
GRA1	40.22		P	08:20:49.693	-0.1	114.8		8.85		TAS		8.6	0.79	m_e	mb 4.4
GTTG	41.50		P	08:21:00.360		114.8		8.85		TAS		6.0	0.52	m_e	mb 4.6
IBBN	43.03		P	08:21:13.269		114.8		8.85		TAS		24.1	1.08	m_e	mb 4.8
NRDL	41.70		P	08:21:02.234		114.8		8.85		TAS		13.9	0.93	m_e	mb 4.7
RJOB	38.69		P	08:20:36.587	0.3	114.8		8.85		TAS		6.4	0.84	m_e	mb 4.3
ROTZ	39.63		P	08:20:44.656	0.1	114.8		8.85		TAS		9.8	1.00	m_e	mb 4.4
WET	39.03		P	08:20:38.841	-0.6	114.8		8.85		TAS		2.4	0.77	m_e	mb 3.9

Event 10206002 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/06	08:20:37.65		0.61	54.7550	-161.3160				33.0				216	75.74	75.74	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10206008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	75.74		P	08:32:18.294		352.1		5.17		TAS		5.9	0.98	m_e	mb 4.7

Event 10206003 Southwest of Sumatera, Indonesia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/06 11:21:16.60 0.61 -8.2700 104.1000 9.9 7 216 96.45 100.37 m i ke NEIC
 10206065

Magnitude Err Nsta Author OrigID
 Ms 5.1 BGR 10206009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	96.45		Pdiff	11:34:46.231	0.3					T__					
CLZ	98.74		Pdiff	11:34:56.341						T__					
GRA1	98.10		Pdiff	11:34:54.496						T__					
GRA1	98.10		L	12:29:48.235						T__		638.8	19.00	a_e Ms	5.1
IBBN	100.37		Pdiff	11:35:09.597						T__					
MOX	97.90		L	12:23:32.750						T__		730.8	21.70	a_e Ms	5.1
NEUB	97.84		Pdiff	11:34:52.392						T__					
TAUT	97.86		Pdiff	11:34:52.755						T__					
WET	96.99		Pdiff	11:34:48.577	-0.3					T__					

Event 10206004 Loyalty Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/06 16:47:33.24 -20.6700 168.9900 41.6 1.0 13 145.01 148.32 m i ke BGR
 10206010

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.32		PKPbc	17:07:14.288		38.2		3.12		TAS					
BUG	146.12		PKPbc	17:07:08.111		38.2		3.12		TAS					
BUG	146.12		pPKPbc	17:07:20.593						T__					
FUR	147.22		PKPbc	17:07:11.750		38.2		3.12		TAS					
GEC2	145.63		PKPbc	17:07:06.504	0.4	38.2		3.12		TAS					
GRA1	146.07		PKPbc	17:07:07.942		38.2		3.12		TAS					
GTTG	145.09		PKPbc	17:07:04.896	-0.1	38.2		3.12		TAS					
IBBN	145.22		PKPbc	17:07:05.065	0.2	38.2		3.12		TAS					
IBBN	145.22		pPKPbc	17:07:17.802						T__					
MOX	145.18		PKPbc	17:07:04.980	0.3	38.2		3.12		TAS					
ROTZ	145.60		PKPbc	17:07:06.842	-0.6	38.2		3.12		TAS					
TANN	145.01		PKPbc	17:07:04.642	-0.2	38.2		3.12		TAS					
TNS	146.73		PKPbc	17:07:10.227		38.2		3.12		TAS					
WET	145.78		PKPbc	17:07:06.927		38.2		3.12		TAS					
WLF	148.01		PKPbc	17:07:14.373		38.2		3.12		TAS					
WLF	148.01		pPKPbc	17:07:26.524						T__					

Event 10206005 Southeast of Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/06	19:40:31.94			31.3150	132.0370				164.7	2.2		17		81.84	86.15	m i ke	BGR
OrigID 10206011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10206011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	81.84		P	19:52:31.098	-0.3	47.6		5.18		TAS		13.6	0.66	m_e mb	5.2
CLL	81.84		pP	19:53:12.165						T__				m_e	
CLZ	82.71		P	19:52:36.735	-0.1	47.6		5.18		TAS		6.6	0.62	m_e mb	5.0
FUR	84.77		P	19:52:46.645		47.6		5.18		TAS		25.2	0.83	m_e mb	5.5
GRA1	83.77		P	19:52:41.877		47.6		5.18		TAS		14.8	0.93	m_e mb	5.2
GRA1	83.77		pP	19:53:22.140						T__				m_e	
GTTG	83.10		P	19:52:38.086		47.6		5.18		TAS		5.3	0.67	m_e mb	4.9
GUNZ	82.79		P	19:52:36.555	-0.1	47.6		5.18		TAS		5.2	0.79	m_e mb	4.8
HKWD	82.51		P	19:52:35.081	0.2	47.6		5.18		TAS		6.6	0.76	m_e mb	4.9
IBBN	83.56		P	19:52:40.374		47.6		5.18		TAS		11.7	0.69	m_e mb	5.2
NEUB	82.50		P	19:52:34.773	0.2	47.6		5.18		TAS		22.7	0.91	m_e mb	5.4
NKC	82.82		P	19:52:36.927		47.6		5.18		TAS		5.9	0.76	m_e mb	4.9
RJOB	84.30		P	19:52:44.163		47.6		5.18		TAS		17.5	1.07	m_e mb	5.2
ROTZ	83.24		P	19:52:39.264		47.6		5.18		TAS		3.1	0.68	m_e mb	4.7
TAUT	82.67		P	19:52:36.004	0.4	47.6		5.18		TAS		22.9	0.72	m_e mb	5.5
TAUT	82.67		pP	19:53:16.974						T__				m_e	
TNS	84.71		P	19:52:46.426		47.6		5.18		TAS		9.3	0.74	m_e mb	5.1
WERN	82.82		P	19:52:36.850	-0.1	47.6		5.18		TAS		7.9	1.19	m_e mb	4.8
WET	83.33		P	19:52:39.394		47.6		5.18		TAS		1.8	0.63	m_e mb	4.5
WIMM	82.41		P	19:52:34.081	0.6	47.6		5.18		TAS		6.7	0.73	m_e mb	4.9
WLF	86.15		P	19:52:53.783		47.6		5.18		TAS		19.6	1.18	m_e mb	5.1

Event 10206006 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/06	21:41:18.00			-6.8700	155.0200				29.9					127.64	127.64	m i ke	NEIC
OrigID 10206069																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	127.64		PKPdf	22:00:11.384		47.8		1.24		TAS				m_e	
GRA1	127.64		pPKPdf	22:00:20.450						T__				m_e	

Event 10207001 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/07	08:08:37.23		0.56	0.6360	98.4850				80.6	2.9		14	263	86.06	90.27	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10207007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	88.15		P	08:21:19.220		106.8		4.27		TAS		16.0	0.94	m_e mb	5.3
BRG	86.06		P	08:21:08.977	-0.2	106.8		4.27		TAS		5.1	0.85	m_e mb	4.7
BRG	86.06		pP	08:21:30.325	-0.1					T__				m_e	
BSEG	88.41		P	08:21:20.741		106.8		4.27		TAS		6.5	0.69	m_e mb	5.1
BSEG	88.41		pP	08:21:42.543						T__				m_e	
BUG	90.27		P	08:21:30.468		106.8		4.27		TAS		25.8	1.52	m_e mb	5.2
CLL	86.67		P	08:21:12.287	0.2	106.8		4.27		TAS		19.1	1.42	m_e mb	5.0
CLZ	88.33		P	08:21:20.420		106.8		4.27		TAS		11.3	0.68	m_e mb	5.3
CLZ	88.33		pP	08:21:42.716						T__				m_e	
GEC2	86.08		P	08:21:09.298	-0.2	106.8		4.27		TAS		8.0	1.09	m_e mb	4.8
GEC2	86.08		pP	08:21:30.750	0.1					T__				m_e	
GRA1	87.74		P	08:21:17.747		106.8		4.27		TAS		12.3	0.88	m_e mb	5.2
GRA1	87.74		pP	08:21:38.820						T__				m_e	
GTTG	88.58		P	08:21:21.703		106.8		4.27		TAS		10.5	0.74	m_e mb	5.2
MANZ	87.18		P	08:21:15.118		106.8		4.27		TAS		15.3	1.01	m_e mb	5.1
MANZ	87.18		pP	08:21:36.423						T__				m_e	
NRDL	88.51		P	08:21:21.169		106.8		4.27		TAS		23.7	1.20	m_e mb	5.3
NRDL	88.51		pP	08:21:43.302						T__				m_e	
ROTZ	87.11		P	08:21:15.073	-0.3	106.8		4.27		TAS		10.0	1.04	m_e mb	4.9
ROTZ	87.11		pP	08:21:36.077						T__				m_e	
TNS	89.54		P	08:21:26.448		106.8		4.27		TAS		12.5	0.79	m_e mb	5.2
TNS	89.54		pP	08:21:48.644						T__				m_e	
WET	86.64		P	08:21:12.293	-0.0	106.8		4.27		TAS		7.2	0.89	m_e mb	4.8
WET	86.64		pP	08:21:33.390	-0.1					T__				m_e	

Event 10207004 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/07	19:53:44.23		0.37	-6.5300	157.5900				425.4	9.8		21	254	125.83	130.85	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	129.71		SS	20:31:10.059						T__					m_e
AHRW	129.71		PKPdf	20:12:03.693	0.0	48.2		1.93		TAS					a_e
BFO	130.85		PKPdf	20:12:05.293	-0.3	48.2		1.93		TAS					m_e
BFO	130.85		PP	20:14:28.862		48.3		7.08		TAS					m_e
BRG	126.47		PKPdf	20:11:57.093	0.1	48.2		1.93		TAS					a_e
BRG	126.47		pPKPdf	20:13:39.932	-0.3					T__					m_e
BSEG	125.83		SS	20:30:22.069	0.5					T__					m_e
BSEG	125.83		PKPdf	20:11:56.243	-0.1	48.2		1.93		TAS					a_e
BSEG	125.83		pPKPdf	20:13:37.303	-0.3					T__					m_e
BSEG	125.83		PP	20:13:55.907	0.4	48.3		7.08		TAS					m_e
BUG	128.93		PKPdf	20:12:02.240	-0.1	48.2		1.93		TAS					m_e
CLL	126.60		PKPdf	20:11:57.143	-0.2	48.2		1.93		TAS					a_e
CLZ	127.36		PKPdf	20:11:59.243	0.2	48.2		1.93		TAS					a_e
CLZ	127.36		PP	20:14:04.877	0.6	48.3		7.08		TAS					m_e
FUR	129.60		PKPdf	20:12:02.993	0.0	48.2		1.93		TAS					m_e
FUR	129.60		PP	20:14:19.268		48.3		7.08		TAS					m_e
GEC2	127.96		PKPdf	20:11:59.793	0.0	48.2		1.93		TAS					a_e
GRA1	128.55		PKPdf	20:12:01.143	0.1	48.2		1.93		TAS					a_e
GRA1	128.55		PP	20:14:12.584		48.3		7.08		TAS					m_e
GTTG	127.75		PKPdf	20:11:59.893	0.1	48.2		1.93		TAS					a_e
GTTG	127.75		PP	20:14:08.531	-0.5	48.3		7.08		TAS					m_e
IBBN	128.07		PKPdf	20:12:00.543	-0.2	48.2		1.93		TAS					a_e
IBBN	128.07		pPKPdf	20:13:45.533	-0.3					T__					m_e
MOX	127.69		SS	20:30:45.021	0.6					T__					m_e
MOX	127.69		PKPdf	20:11:59.493	0.0	48.2		1.93		TAS					m_e
MOX	127.69		pPKPdf	20:13:41.695	-0.3					T__					m_e
MOX	127.69		PP	20:14:07.431	-0.1	48.3		7.08		TAS					m_e
NRDL	126.99		SS	20:30:34.588	-0.8					T__					m_e
NRDL	126.99		PKPdf	20:11:58.543	0.1	48.2		1.93		TAS					a_e
NRDL	126.99		PP	20:14:02.111	0.1	48.3		7.08		TAS					m_e
RJOB	129.15		SS	20:31:01.713						T__					m_e
RJOB	129.15		PKPdf	20:12:01.985	-0.1	48.2		1.93		TAS					m_e
ROTZ	128.04		PKPdf	20:12:00.243	0.2	48.2		1.93		TAS					a_e
STU	130.13		SS	20:31:16.058						T__					m_e
STU	130.13		PKPdf	20:12:04.193	0.0	48.2		1.93		TAS					a_e
STU	130.13		pPKPdf	20:13:47.351	-0.3					T__					m_e
STU	130.13		PP	20:14:24.785		48.3		7.08		TAS					m_e
TANN	127.47		PKPdf	20:11:59.093	0.1	48.2		1.93		TAS					a_e
TANN	127.47		PP	20:14:05.129	0.5	48.3		7.08		TAS					m_e
TNS	129.38		SS	20:31:07.451						T__					m_e
TNS	129.38		PKPdf	20:12:03.093	0.2	48.2		1.93		TAS					a_e
WET	128.16		PKPdf	20:12:00.055	-0.1	48.2		1.93		TAS					m_e
WET	128.16		pPKPdf	20:13:43.389	-0.3					T__					m_e
WLF	130.76		PKPdf	20:12:05.788	0.1	48.2		1.93		TAS					m_e

Event 10208001 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/08	01:46:36.70	4.59	0.57	35.1200	23.4900	153.4	86.7	46	47.0				11 352	14.92	20.96	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	10208007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	17.20		P	01:50:34.160	-0.0	143.7		10.69		TAS		4.6	0.94	m_e	mb 3.6
BSEG	20.96		P	01:51:14.403		143.7		10.69		TAS		31.6	0.81	m_e	mb 4.7
CLL	17.86		P	01:50:42.044		143.7		10.69		TAS		8.8	0.54	m_e	mb 4.1
FUR	15.88		P	01:50:19.443	-0.5	143.7		10.69		TAS		22.5	0.82	m_e	mb 4.3
GEC2	15.51		P	01:50:16.582	-0.1	143.7		10.69		TAS		7.9	0.66	m_e	mb 4.0
GRA1	17.12		P	01:50:34.313	0.6	143.7		10.69		TAS		28.4	1.12	m_e	mb 4.3
MOX	17.75		P	01:50:40.679	-0.3	143.7		10.69		TAS		11.0	1.51	m_e	mb 3.8
RJOB	14.92		P	01:50:10.293	0.2	143.7		10.69		TAS		6.4	0.63	m_e	
ROTZ	16.81		P	01:50:31.177	0.5	143.7		10.69		TAS		4.4	0.70	m_e	
TANN	17.27		P	01:50:35.584	0.4	143.7		10.69		TAS		12.9	1.25	m_e	
WET	16.05		P	01:50:21.726	-0.8	143.7		10.69		TAS		10.3	0.75	m_e	

Event 10208002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/08	06:43:36.83		0.57	-16.2030	-176.0190				33.0				6 352	145.19	146.49	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
GEC2	146.49		PKPbc	07:03:13.696		12.5		3.07		TAS				m_e	
GRA1	146.08		PKPbc	07:03:12.695	0.2	12.5		3.07		TAS				m_e	
ROTZ	145.86		PKPbc	07:03:11.879		12.5		3.07		TAS				m_e	
SCHD	145.26		PKPbc	07:03:09.567	-0.4	12.5		3.07		TAS				m_e	
TANN	145.19		PKPbc	07:03:09.756		12.5		3.07		TAS				m_e	
WERN	145.33		PKPbc	07:03:10.576		12.5		3.07		TAS				m_e	

Event 10208005 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/08	16:10:06.20		0.51	52.8030	153.6720				504.0				3 228	73.05	73.12	m i ke	NEIC

10208044

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10208011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	73.05		P	16:20:41.849		22.7		4.84		TAS		4.3	0.89	m_e	mb	4.6
WET	73.12		P	16:20:42.534		22.7		4.84		TAS		3.0	0.83	m_e	mb	4.5

Event 10208006 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/08	16:29:43.60	0.92	1.40	43.6860	17.8620	24.5	17.8	51	10.0					12	329	3.67	9.17	m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	10208012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	3.93		Sn	16:31:23.323	-2.7					T__				m_e		
ARSA	3.93		Pn	16:30:42.520	-0.2					T__				m_e	ML	4.0
BFO	8.10		Pn	16:31:37.863	-2.1					T__				m_e		
BFO	8.10		Sn	16:33:04.428	-0.8					T__				m_e		
DAVA	6.67		Sn	16:32:31.076	-0.1					T__				m_e	ML	4.6
GEC2	5.91		Pn	16:31:10.259	0.3					T__				m_e	ML	4.2
GEC2	5.91		Sn	16:32:12.419	-0.8					T__				m_e		
KBA	4.65		Pn	16:30:53.855	1.2					T__				m_e	ML	4.3
MOA	4.86		Pn	16:30:56.202	0.6					T__				m_e	ML	4.3
MOA	4.86		Sn	16:31:48.576	0.2					T__				m_e		
MOX	8.16		Pn	16:31:41.937	1.1					T__				m_e		
OBER	6.49		Pn	16:31:17.345	-0.6					T__				m_e		
OBKA	3.67		Sn	16:31:23.769	3.8					T__				m_e		
OBKA	3.67		Pn	16:30:38.249	-1.0					T__				m_e	ML	4.7
RJOB	5.38		Pn	16:31:02.681	-0.1					T__				m_e	ML	4.3
TANN	7.67		Pn	16:31:35.128	0.9					T__				m_e		
TNS	9.17		Pn	16:31:54.988	0.2					T__				m_e		
WET	6.45		Pn	16:31:18.229						T__				m_e	ML	4.1

Event 10208007 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/08	16:42:47.21		1.40	27.6100	142.9300				48.8	1.6				17	329	89.05	94.16	m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10208013
Ms	5.2		BGR	10208013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.94		P	16:55:55.402		41.8		4.72		TAS				m_e	
BFO	94.16		P	16:56:00.556		41.8		4.72		TAS		28.7	1.21	m_e mb	5.5
BFO	94.16		pP	16:56:14.593	0.9					T__				m_e	
BRG	89.83		P	16:55:40.661	0.2	41.8		4.72		TAS		22.1	1.45	m_e mb	5.2
BRG	89.83		pP	16:55:54.605	0.9					T__				m_e	
BSEG	89.05		P	16:55:36.959	0.1	41.8		4.72		TAS		27.4	0.89	m_e mb	5.5
BSEG	89.05		pP	16:55:51.012	0.9					T__				m_e	
CLL	89.92		P	16:55:42.035	0.0	41.8		4.72		TAS		21.7	0.96	m_e mb	5.4
CLL	89.92		pP	16:55:54.873	0.9					T__				m_e	
CLZ	90.62		P	16:55:44.063	0.0	41.8		4.72		TAS		31.0	1.01	m_e mb	5.6
CLZ	90.62		pP	16:55:58.766	0.9					T__				m_e	
GEC2	91.41		P	16:55:47.568	0.5	41.8		4.72		TAS		13.9	1.08	m_e mb	5.2
GEC2	91.41		pP	16:56:02.009	0.9					T__				m_e	
GRA1	91.88		P	16:55:50.660	0.2	41.8		4.72		TAS		44.9	1.22	m_e mb	5.7
GRA1	91.88		pP	16:56:04.783	0.9					T__				m_e	
GRA1	91.88		PP	16:59:30.126	0.0	37.0		6.77		TAS				m_e	
GRA1	91.88		L	17:41:51.302						T__		787.2	18.10	a_e Ms	5.2
GTTG	91.01		P	16:55:46.079	-0.1	41.8		4.72		TAS		19.7	0.94	m_e mb	5.4
IBBN	91.29		P	16:55:47.259	-0.3	41.8		4.72		TAS		54.8	1.05	m_e mb	5.8
MOX	91.00		P	16:55:46.022	-0.2	41.8		4.72		TAS		23.0	1.38	m_e mb	5.3
MOX	91.00		pP	16:56:00.335	0.9					T__				m_e	
MOX	91.00		L	17:41:07.271						T__		878.7	18.30	a_e Ms	5.2
NRDL	90.23		P	16:55:42.006	0.0	41.8		4.72		TAS		9.8	1.05	m_e mb	5.0
NRDL	90.23		pP	16:55:56.850	0.9					T__				m_e	
RJOB	92.64		P	16:55:53.753	-0.4	41.8		4.72		TAS		20.3	0.99	m_e mb	5.5
ROTZ	91.40		P	16:55:47.774	0.3	41.8		4.72		TAS		22.5	1.20	m_e mb	5.4
TANN	90.81		P	16:55:44.888	-0.0	41.8		4.72		TAS		8.6	1.02	m_e mb	5.0
TANN	90.81		pP	16:55:59.445	0.9					T__				m_e	
WET	91.56		P	16:55:48.908	0.1	41.8		4.72		TAS		3.8	0.91	m_e mb	4.7
WLF	94.00		P	16:56:00.437		41.8		4.72		TAS		28.3	1.36	m_e mb	5.4
WLF	94.00		pP	16:56:14.582	0.9					T__				m_e	

Event 10208008 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/08	17:14:02.83		1.40	26.9470	143.0030				33.0			10	329	89.68	94.77	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10208014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	94.77		P	17:27:19.905		41.7		4.61		TAS		7.3	0.87	m_e	mb 5.1
BRG	90.44		P	17:27:00.002	-0.1	41.7		4.61		TAS		3.7	0.75	m_e	mb 4.7
BSEG	89.68		P	17:26:56.617	0.0	41.7		4.61		TAS		16.2	0.85	m_e	mb 5.3
CLL	90.53		P	17:27:00.368	-0.2	41.7		4.61		TAS		10.5	0.94	m_e	mb 5.1
CLZ	91.24		P	17:27:04.120	-0.0	41.7		4.61		TAS		8.5	0.94	m_e	mb 5.1
GEC2	92.01		P	17:27:07.460		41.7		4.61		TAS		4.7	0.88	m_e	mb 4.8
GRA1	92.49		P	17:27:10.194		41.7		4.61		TAS		23.8	1.77	m_e	mb 5.2
IBBN	91.92		P	17:27:06.911	0.2	41.7		4.61		TAS		16.8	1.23	m_e	mb 5.2
MOX	91.61		P	17:27:05.584	-0.0	41.7		4.61		TAS		1.9	0.68	m_e	mb 4.5
RJOB	93.23		P	17:27:13.225		41.7		4.61		TAS		7.5	0.85	m_e	mb 5.1
TANN	91.42		P	17:27:04.623	0.0	41.7		4.61		TAS		6.7	1.13	m_e	mb 4.9

Event 10208009 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/08	22:02:04.91		1.40	43.7130	-127.1120				10.0				329	80.11	80.11	m i ke	BGR
OrigID 10208015																	

Magnitude Err Nsta Author OrigID
 mb 4.5 BGR 10208015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.11		P	22:14:19.889		335.4		4.79		TAS		8.1	1.25	m_e	mb 4.5

Event 10209002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/09	00:52:23.46		0.35	53.6400	-171.3900				33.0				9	202	74.23	77.53	m i ke	BGR
OrigID 10209008																		

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10209008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	75.76		P	01:04:06.207	0.2	1.5		5.68		TAS		7.1	0.72	m_e	mb 4.9
BUG	75.29		P	01:04:03.143	-0.1	1.5		5.68		TAS		8.9	0.93	m_e	mb 4.8
CLL	75.36		P	01:04:03.824	0.0	1.5		5.68		TAS		6.8	0.73	m_e	mb 4.8
CLZ	74.88		P	01:04:01.577	-0.4	1.5		5.68		TAS		8.6	0.78	m_e	mb 4.8
GRA1	77.02		P	01:04:13.695		1.5		5.68		TAS		9.4	0.72	m_e	mb 5.0
IBBN	74.42		P	01:03:58.786	0.3	1.5		5.68		TAS		12.0	0.84	m_e	mb 5.0
MOX	76.06		P	01:04:08.045	-0.0	1.5		5.68		TAS		7.1	0.68	m_e	mb 4.9

NRDL	74.23	P	01:03:57.697	0.1	1.5	5.68	TAS	5.8	0.83	m_e mb	4.6
WET	77.53	P	01:04:16.351		1.5	5.68	TAS	1.4	0.63	m_e mb	4.2

Event 10209003 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/09	04:36:44.48		0.35	35.9020	72.3920				33.0				202	45.72	45.72	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10209009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.72		P	04:45:01.672		91.6		6.76		TAS		5.4	0.87	m_e mb	4.6

Event 10209006 Owen Fracture Zone region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/09	19:24:07.28		0.81	11.5910	57.0600				10.0				15	146	51.65	56.52	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10209012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	54.55		P	19:33:36.573		118.0		8.57		TAS		14.7	1.20	m_e mb	4.9
BRG	52.58		P	19:33:21.946	0.4	118.0		8.57		TAS		8.9	1.16	m_e mb	4.6
BUG	56.52		P	19:33:50.885		118.0		8.57		TAS		26.6	1.41	m_e mb	5.1
CLL	53.31		P	19:33:27.319	0.2	118.0		8.57		TAS		10.0	1.29	m_e mb	4.6
CLZ	55.00		P	19:33:39.834	0.4	118.0		8.57		TAS		9.5	1.09	m_e mb	4.7
FUR	52.72		P	19:33:22.742	0.6	118.0		8.57		TAS		37.9	0.87	m_e mb	5.3
GEC2	51.65		P	19:33:13.787	-0.7	118.0		8.57		TAS		2.4	0.89	m_e mb	4.1
GRA1	53.48		P	19:33:28.016	-0.5	118.0		8.57		TAS		11.4	0.85	m_e mb	4.8
GTTG	55.08		P	19:33:40.553	-0.5	118.0		8.57		TAS		10.0	0.74	m_e mb	4.9
MOX	53.73		P	19:33:30.404	-0.0	118.0		8.57		TAS		4.1	0.89	m_e mb	4.5
NRDL	55.46		P	19:33:43.724	0.1	118.0		8.57		TAS		18.0	1.21	m_e mb	5.0
ROTZ	52.96		P	19:33:24.533	0.4	118.0		8.57		TAS		8.1	1.13	m_e mb	4.6
TANN	53.14		P	19:33:25.512	-0.3	118.0		8.57		TAS		14.7	1.44	m_e mb	4.7
TNS	55.31		P	19:33:41.605		118.0		8.57		TAS		9.2	1.12	m_e mb	4.7
WLF	56.41		P	19:33:50.304		118.0		8.57		TAS		16.0	1.06	m_e mb	5.0

Event 10210001 Greece
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/10 02:38:13.11 1.03 0.95 38.5970 22.0480 50.0 15.6 58 10.0 9 345 9.65 13.90 m i ke BGR
 10210007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	9.88		Pn	02:40:31.779	-0.3					T__					m_e
BFO	13.90		Pn	02:41:27.222	1.1					T__					m_e
DAVA	12.43		Pn	02:41:06.861	0.5					T__					m_e
GEC2	11.88		Sn	02:43:00.893	0.8					T__					m_e
GEC2	11.88		Pn	02:40:59.853	0.8					T__					m_e
KBA	10.61		Sn	02:42:31.238	0.8					T__					m_e
KBA	10.61		Pn	02:40:41.323	-0.6					T__					m_e
MOA	10.85		Sn	02:42:36.773	0.8					T__					m_e
MOA	10.85		Pn	02:40:45.298	0.2					T__					m_e
OBER	12.30		Sn	02:43:09.784	-0.0					T__					m_e
OBKA	9.65		Sn	02:42:05.861	-2.2					T__					m_e
OBKA	9.65		Pn	02:40:27.384	-1.6					T__					m_e
RJOB	11.35		Pn	02:40:51.803	-0.1					T__					m_e

Event 10210002 Bonin Islands, Japan, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/10 03:04:54.90 0.95 27.1360 142.7320 33.0 345 92.21 92.21 m i ke BGR
 10210008

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 10210008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	92.21		P	03:18:00.375		47.8		3.94		TAS		4.8	0.92	m_e mb	4.8

Event 10210003 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/10 04:45:35.21 0.95 -19.3910 -174.9740 33.0 10 345 148.48 151.03 m i ke BGR
 10210009

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.01		PKPbc	05:05:25.065		11.5		2.64		TAS				m_e	
FUR	150.85		PKPbc	05:05:24.611		11.5		2.64		TAS				m_e	
GEC2	149.79		PKPbc	05:05:21.227		11.5		2.64		TAS				m_e	
GRA1	149.36		PKPbc	05:05:20.374		11.5		2.64		TAS				m_e	
RJOB	151.03		PKPbc	05:05:24.943		11.5		2.64		TAS				m_e	
ROTZ	149.15		PKPbc	05:05:19.521		11.5		2.64		TAS				m_e	
TANN	148.48		PKPbc	05:05:18.851		11.5		2.64		TAS				m_e	
TNS	149.12		PKPbc	05:05:19.582		11.5		2.64		TAS				m_e	
WET	149.65		PKPbc	05:05:21.370		11.5		2.64		TAS				m_e	
WLF	149.78		PKPbc	05:05:21.958		11.5		2.64		TAS				m_e	

Event 10210004 Southwestern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/10	05:35:19.08		0.95	51.7800	91.5010				14.8	0.5		21	345	46.29	51.07	m i ke	BGR
OrigID 10210010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10210010
Ms	5.1		BGR	10210010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	50.07		P	05:44:11.470	0.1	54.9		7.73		TAS		49.5	1.15	a_e mb	5.3
BFO	50.74		P	05:44:16.120	-0.7	54.9		7.73		TAS		69.5	1.70	a_e mb	5.3
BRG	46.29		P	05:43:41.870	-0.6	54.9		7.73		TAS		101.3	1.86	a_e mb	5.5
BSEG	46.51		P	05:43:43.770	0.5	54.9		7.73		TAS		80.9	0.92	a_e mb	5.8
BUG	49.44		P	05:44:06.370	0.0	54.9		7.73		TAS		50.4	1.06	a_e mb	5.5
CLL	46.55		P	05:43:43.720	-0.7	54.9		7.73		TAS		63.8	0.77	a_e mb	5.8
CLZ	47.62		P	05:43:52.520	0.0	54.9		7.73		TAS		50.2	1.02	m_e mb	5.6
FUR	49.26		P	05:44:05.670	0.3	54.9		7.73		TAS		78.0	1.10	a_e mb	5.7
GEC2	47.55		P	05:43:52.120	0.1	54.9		7.73		TAS		51.0	1.53	a_e mb	5.4
GEC2	47.55		pP	05:43:56.033	5.4					T__				m_e	
GRA1	48.39		P	05:43:59.070	0.3	54.9		7.73		TAS		137.2	1.37	a_e mb	5.9
GRA1	48.39		L	06:04:51.842						T__		1820.0	21.20	a_e Ms	5.0
GTTG	48.00		P	05:43:55.670	0.2	54.9		7.73		TAS		115.5	1.03	a_e mb	6.0
IBBN	48.70		P	05:44:00.220	-0.1	54.9		7.73		TAS		69.7	0.85	a_e mb	5.7
MOX	47.64		P	05:43:52.720	-0.2	54.9		7.73		TAS		52.4	1.28	a_e mb	5.5
MOX	47.64		pP	05:43:56.834	5.4					T__				m_e	
MOX	47.64		L	06:05:25.221						T__		2745.9	18.90	a_e Ms	5.2
NRDL	47.40		P	05:43:50.920	0.3	54.9		7.73		TAS		96.5	1.55	a_e mb	5.7
RJOB	48.68		P	05:44:01.667	1.0	54.9		7.73		TAS		52.4	1.56	m_e mb	5.3
ROTZ	47.83		P	05:43:54.520	0.1	54.9		7.73		TAS		85.1	1.76	a_e mb	5.6
STU	50.01		P	05:44:10.820	-0.4	54.9		7.73		TAS		96.2	1.60	a_e mb	5.5
TANN	47.33		P	05:43:50.270	-0.2	54.9		7.73		TAS		34.2	1.18	a_e mb	5.4

BSEG	66.66	sP	09:50:39.854							T__						m_e	
BUG	68.83	P	09:50:26.669	0.2	352.2			6.07		TAS	16.3	0.84	m_e	mb			5.3
CLL	69.49	P	09:50:30.734	-0.2	352.2			6.07		TAS	9.7	1.11	m_e	mb			4.9
CLZ	68.74	P	09:50:26.931	0.5	352.2			6.07		TAS	16.9	0.93	m_e	mb			5.3
GEC2	71.99	P	09:50:46.153	0.1	352.2			6.07		TAS	7.9	0.79	m_e	mb			4.9
GRA1	70.95	P	09:50:40.037	0.2	352.2			6.07		TAS	14.8	0.62	m_e	mb			5.3
GTTG	69.00	P	09:50:28.241	-0.1	352.2			6.07		TAS	16.1	0.61	m_e	mb			5.4
MOX	70.04	P	09:50:34.270	0.3	352.2			6.07		TAS	15.9	0.65	m_e	mb			5.3
NRDL	68.07	P	09:50:22.300	-0.1	352.2			6.07		TAS	12.4	0.84	m_e	mb			5.2
RJOB	73.02	P	09:50:52.182	-0.3	352.2			6.07		TAS	18.1	0.73	m_e	mb			5.3
RJOB	73.02	sP	09:51:18.614							T__							m_e
ROTZ	70.96	P	09:50:40.212	0.0	352.2			6.07		TAS	10.2	0.76	m_e	mb			5.0
STU	71.67	P	09:50:44.053		352.2			6.07		TAS	30.5	0.32	m_e	mb			5.9
TANN	70.34	sP	09:51:02.550							T__							m_e
TNS	70.16	P	09:50:35.059	-0.2	352.2			6.07		TAS	9.7	0.62	m_e	mb			5.1
WET	71.63	P	09:50:44.143	0.2	352.2			6.07		TAS	3.3	0.79	m_e	mb			4.5

Event 10210008 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
2011/02/10	13:03:07.37		0.35	37.7140	141.9730				45.0	0.9		20	247	79.66	84.93	m i ke	BGR
	10210014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10210014
Ms	5.1		BGR	10210014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.58		P	13:15:28.844	0.1	37.2		5.21		TAS		37.3	1.12	m_e	mb	5.5
AHRW	83.58		pP	13:15:42.066						T__						m_e
BFO	84.93		P	13:15:35.601		37.2		5.21		TAS		78.7	0.96	m_e	mb	5.9
BFO	84.93		pP	13:15:48.560						T__						m_e
BRG	80.69		P	13:15:13.640	-0.2	37.2		5.21		TAS		38.6	0.92	m_e	mb	5.4
BRG	80.69		pP	13:15:26.666						T__						m_e
BSEG	79.66		P	13:15:08.385	0.1	37.2		5.21		TAS		62.1	0.98	m_e	mb	5.5
BSEG	79.66		pP	13:15:21.296						T__						m_e
BUG	82.77		P	13:15:24.432	-0.1	37.2		5.21		TAS		43.3	1.15	m_e	mb	5.6
CLL	80.73		P	13:15:13.515	-0.5	37.2		5.21		TAS		69.8	0.93	m_e	mb	5.7
CLL	80.73		pP	13:15:26.765						T__						m_e
CLZ	81.31		P	13:15:17.332	0.3	37.2		5.21		TAS		72.3	1.19	m_e	mb	5.6
FUR	83.90		P	13:15:30.471	-0.0	37.2		5.21		TAS		104.1	0.90	m_e	mb	6.1
FUR	83.90		pP	13:15:43.648						T__						m_e
GEC2	82.37		P	13:15:22.212	-0.3	37.2		5.21		TAS		25.5	0.78	m_e	mb	5.4
GEC2	82.37		pP	13:15:35.226						T__						m_e
GRA1	82.70		P	13:15:24.777	0.5	37.2		5.21		TAS		85.3	0.95	m_e	mb	6.0
GRA1	82.70		L	13:56:35.493						T__		866.9	20.80	a_e	Ms	5.1

GTTG	81.70	P	13:15:18.958	-0.1	37.2	5.21	TAS	42.9	0.93	m_e	mb	5.6
IBBN	81.88	P	13:15:19.897	-0.0	37.2	5.21	TAS	79.5	1.07	m_e	mb	5.8
MOX	81.79	P	13:15:19.459	-0.1	37.2	5.21	TAS	26.2	0.90	m_e	mb	5.4
MOX	81.79	pP	13:15:32.299				T__			m_e		
MOX	81.79	L	13:56:05.948				T__	895.6	20.40	a_e	Ms	5.1
NRDL	80.89	P	13:15:14.704	-0.1	37.2	5.21	TAS	34.0	1.02	m_e	mb	5.3
RJOB	83.61	P	13:15:29.219	0.2	37.2	5.21	TAS	53.0	0.90	m_e	mb	5.8
RJOB	83.61	pP	13:15:42.005				T__			m_e		
ROTZ	82.25	P	13:15:22.462	0.5	37.2	5.21	TAS	38.9	1.02	m_e	mb	5.5
STU	84.24	P	13:15:32.035	-0.2	37.2	5.21	TAS	78.8	0.91	m_e	mb	5.9
STU	84.24	pP	13:15:45.261				T__			m_e		
TANN	81.64	P	13:15:18.646	-0.1	37.2	5.21	TAS	16.9	0.98	m_e	mb	5.1
TNS	83.34	P	13:15:27.530	-0.0	37.2	5.21	TAS	22.6	0.89	m_e	mb	5.4
WET	82.47	P	13:15:23.150	0.1	37.2	5.21	TAS	22.2	0.95	m_e	mb	5.3

Event 10210009 Celebes Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/10	14:39:28.50		0.35	4.1200	123.0100				528.4			10	247	98.70	103.80	m i ke	NEIC
OrigID 10210070																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	102.91		Pdiff	14:52:29.208	0.2	72.0		4.52		TAS					a_e
BFO	102.99		Pdiff	14:52:28.558	-0.5	72.0		4.52		TAS					a_e
BFO	102.99		PP	14:56:54.012		72.4		7.44		TAS					m_e
BRG	98.70		Pdiff	14:52:09.858	-0.0	72.0		4.52		TAS					a_e
BRG	98.70		PP	14:56:22.295	-0.5	72.4		7.44		TAS					m_e
BSEG	99.79		Pdiff	14:52:15.058	-0.3	72.0		4.52		TAS					a_e
BUG	102.44		Pdiff	14:52:26.808	-0.2	72.0		4.52		TAS					a_e
CLL	99.13		Pdiff	14:52:11.508	-0.4	72.0		4.52		TAS					a_e
CLL	99.13		pP	14:54:17.889						T__					m_e
CLZ	100.50		Pdiff	14:52:18.408	0.2	72.0		4.52		TAS					a_e
FUR	101.20		Pdiff	14:52:20.958	0.0	72.0		4.52		TAS					a_e
FUR	101.20		PP	14:56:41.709		72.4		7.44		TAS					m_e
GEC2	99.46		Pdiff	14:52:13.258	0.2	72.0		4.52		TAS					a_e
GEC2	99.46		PP	14:56:28.046	-0.3	72.4		7.44		TAS					m_e
GEC2	99.46		SKKPdf	15:11:06.849	-0.0	242.8		2.86		TAS					m_e
GRA1	100.73		Pdiff	14:52:19.208	0.2	72.0		4.52		TAS					a_e
GRA1	100.73		pP	14:54:24.550						T__					m_e
GTTG	100.84		Pdiff	14:52:19.708	-0.0	72.0		4.52		TAS					a_e
GTTG	100.84		pP	14:54:24.673						T__					m_e
GUNZ	99.83		SKKPdf	15:11:06.502	0.0	242.8		2.86		TAS					m_e
IBBN	101.83		Pdiff	14:52:24.308	-0.1	72.0		4.52		TAS					a_e
MOX	100.17		Pdiff	14:52:16.508	-0.1	72.0		4.52		TAS					a_e

MOX	100.17	SKKPdf	15:11:05.894	0.2	242.8	2.86	TAS	m_e
NEUB	99.90	SKKPdf	15:11:06.589	-0.1	242.8	2.86	TAS	m_e
NRDL	100.42	Pdiff	14:52:18.208	0.2	72.0	4.52	TAS	a_e
NRDL	100.42	pP	14:54:22.933				T__	m_e
NRDL	100.42	PP	14:56:36.744		72.4	7.44	TAS	m_e
PLN	99.90	SKKPdf	15:11:06.155	-0.2	242.8	2.86	TAS	m_e
RJOB	100.37	Pdiff	14:52:16.858	-0.2	72.0	4.52	TAS	a_e
ROTZ	100.10	Pdiff	14:52:16.608	0.5	72.0	4.52	TAS	m_e
ROTZ	100.10	pP	14:54:21.480				T__	m_e
ROTZ	100.10	PP	14:56:33.317	-0.3	72.4	7.44	TAS	m_e
SCHD	100.45	SKKPdf	15:11:04.766	-0.1	242.8	2.86	TAS	m_e
SCHF	99.69	SKKPdf	15:11:06.936	-0.1	242.8	2.86	TAS	m_e
STU	102.30	Pdiff	14:52:25.808	-0.2	72.0	4.52	TAS	a_e
STU	102.30	PP	14:56:48.985		72.4	7.44	TAS	m_e
TANN	99.74	Pdiff	14:52:14.508	-0.0	72.0	4.52	TAS	a_e
TANN	99.74	PP	14:56:30.142	0.3	72.4	7.44	TAS	m_e
TANN	99.74	SKKPdf	15:11:06.849	0.1	242.8	2.86	TAS	m_e
TNS	102.22	Pdiff	14:52:26.008	0.2	72.0	4.52	TAS	a_e
WERD	99.82	SKKPdf	15:11:06.589	0.0	242.8	2.86	TAS	m_e
WERN	99.83	SKKPdf	15:11:06.589	0.1	242.8	2.86	TAS	m_e
WET	99.88	Pdiff	14:52:15.058	0.0	72.0	4.52	TAS	a_e
WLF	103.80	Pdiff	14:52:33.308	0.3	72.0	4.52	TAS	a_e

Event 10210010 Celebes Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/10	14:41:57.00		0.35	3.9600	123.1200				512.2				21 247	98.89	104.00	m i ke	NEIC
	10210071																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	103.10		Pdiff	14:55:01.683	0.0					T__				a_e	
BFO	103.18		Pdiff	14:55:01.233	-0.6					T__				a_e	
BRG	98.89		Pdiff	14:54:42.583	-0.1					T__				a_e	
BSEG	99.98		Pdiff	14:54:47.733	-0.2					T__				a_e	
BUG	102.64		Pdiff	14:54:59.483	-0.2					T__				a_e	
CLL	99.32		Pdiff	14:54:44.183	-0.5					T__				m_e	
CLZ	100.69		Pdiff	14:54:51.083	0.2					T__				a_e	
FUR	101.39		Pdiff	14:54:53.683	-0.1					T__				a_e	
GEC2	99.65		Pdiff	14:54:45.983	0.0					T__				a_e	
GRA1	100.92		Pdiff	14:54:51.933	0.2					T__				a_e	
GTTG	101.03		Pdiff	14:54:52.333	-0.1					T__				a_e	
IBBN	102.02		Pdiff	14:54:56.983	0.0					T__				a_e	
MOX	100.37		Pdiff	14:54:49.183	-0.1					T__				a_e	
NRDL	100.61		Pdiff	14:54:50.883	0.3					T__				a_e	

RJOB	100.56	Pdiff	14:54:49.683	-0.3	T__	a_e
ROTZ	100.29	Pdiff	14:54:49.333	0.4	T__	a_e
STU	102.49	Pdiff	14:54:58.583	-0.1	T__	a_e
TANN	99.93	Pdiff	14:54:47.233	-0.1	T__	a_e
TNS	102.41	Pdiff	14:54:58.633	0.1	T__	a_e
WET	100.08	Pdiff	14:54:48.833	0.9	T__	a_e
WLF	104.00	Pdiff	14:55:05.983	0.4	T__	a_e

Event 10210011 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/10	22:02:25.75		0.92	-23.9900	179.7400				579.2	2.4		12	298	149.06	154.20	m i ke	BGR
OrigID 10210017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.00		PKPbc	22:21:13.654	0.1	22.2		2.31		TAS					m_e
BRG	151.00		pPKPbc	22:23:26.789						T__					m_e
BSEG	149.06		PKPbc	22:21:08.909	-0.2	22.2		2.31		TAS					m_e
CLL	150.87		PKPbc	22:21:13.209	-0.0	22.2		2.31		TAS					m_e
CLL	150.87		pPKPbc	22:23:26.240						T__					m_e
CLZ	151.02		PKPbc	22:21:13.951	0.4	22.2		2.31		TAS					m_e
FUR	154.20		PKPab	22:21:36.986						T__					m_e
GEC2	152.86		PKPbc	22:21:17.806		22.2		2.31		TAS					m_e
GTTG	151.38		PKPbc	22:21:14.396	-0.0	22.2		2.31		TAS					m_e
GTTG	151.38		pPKPbc	22:23:27.604						T__					m_e
IBBN	151.07		PKPbc	22:21:13.728	-0.1	22.2		2.31		TAS					m_e
MOX	151.84		PKPbc	22:21:15.582	0.1	22.2		2.31		TAS					m_e
NRDL	150.46		PKPbc	22:21:12.171	-0.1	22.2		2.31		TAS					m_e
TANN	151.83		PKPbc	22:21:15.656	0.2	22.2		2.31		TAS					m_e
WET	152.85		PKPbc	22:21:17.806		22.2		2.31		TAS					m_e
WET	152.85		PKPab	22:21:31.452						T__					m_e
WET	152.85		pPKPbc	22:23:31.555						T__					m_e

Event 10211001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/11	01:28:45.39			-16.3600	-177.0550				33.0			14		143.93	147.81	m i ke	BGR
OrigID 10211007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.74		PKPbc	01:48:19.777	0.0	14.3		3.18		TAS				m_e	
BFO	147.81		PKPbc	01:48:26.286		14.3		3.18		TAS				m_e	
CLL	144.22		PKPbc	01:48:15.006	0.2	14.3		3.18		TAS				m_e	
FUR	147.55		PKPbc	01:48:25.629		14.3		3.18		TAS				m_e	
GEC2	146.43		PKPbc	01:48:21.976		14.3		3.18		TAS				m_e	
GRA1	146.08		PKPbc	01:48:21.246	-0.2	14.3		3.18		TAS				m_e	
IBBN	143.93		PKPbc	01:48:14.239	-0.1	14.3		3.18		TAS				m_e	
RJOB	147.67		PKPbc	01:48:25.947		14.3		3.18		TAS				m_e	
ROTZ	145.84		PKPbc	01:48:20.354	0.1	14.3		3.18		TAS				m_e	
STU	147.28		PKPbc	01:48:24.764		14.3		3.18		TAS				m_e	
TANN	145.17		PKPbc	01:48:17.881	0.3	14.3		3.18		TAS				m_e	
TNS	145.93		PKPbc	01:48:20.586	-0.1	14.3		3.18		TAS				m_e	
WET	146.31		PKPbc	01:48:21.663		14.3		3.18		TAS				m_e	
WLF	146.68		PKPbc	01:48:23.514		14.3		3.18		TAS				m_e	

Event 10211002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/11	02:46:21.28			-21.1620	-173.1490				33.0			19		147.17	152.87	m i ke	BGR
10211008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.68		PKPbc	03:06:10.023	-0.1	8.5		2.44		TAS				m_e	
BFO	152.87		PKPbc	03:06:14.889	-0.2	8.5		2.44		TAS				m_e	
BRG	149.83		PKPbc	03:06:07.871	0.1	8.5		2.44		TAS				m_e	
BSEG	147.17		PKPbc	03:06:00.961	-0.3	8.5		2.44		TAS				m_e	
BUG	149.78		PKPbc	03:06:07.888	0.0	8.5		2.44		TAS				m_e	
CLL	149.53		PKPbc	03:06:07.027	0.0	8.5		2.44		TAS				m_e	
CLZ	149.26		PKPbc	03:06:06.659	0.3	8.5		2.44		TAS				m_e	
FUR	152.83		PKPbc	03:06:14.883		8.5		2.44		TAS				m_e	
GEC2	151.84		PKPbc	03:06:12.570	-0.2	8.5		2.44		TAS				m_e	
GRA1	151.32		PKPbc	03:06:11.430	0.1	8.5		2.44		TAS				m_e	
GTTG	149.58		PKPbc	03:06:07.385	0.2	8.5		2.44		TAS				m_e	
IBBN	148.90		PKPbc	03:06:05.483	-0.2	8.5		2.44		TAS				m_e	
MOX	150.34		PKPbc	03:06:09.075	0.1	8.5		2.44		TAS				m_e	
NRDL	148.62		PKPbc	03:06:04.650	-0.2	8.5		2.44		TAS				m_e	
ROTZ	151.14		PKPbc	03:06:11.178	0.2	8.5		2.44		TAS				m_e	
TANN	150.47		PKPbc	03:06:09.525	0.2	8.5		2.44		TAS				m_e	
TNS	150.97		PKPbc	03:06:10.802	0.2	8.5		2.44		TAS				m_e	
WET	151.67		PKPbc	03:06:12.145	-0.1	8.5		2.44		TAS				m_e	
WLF	151.55		PKPbc	03:06:12.633	0.3	8.5		2.44		TAS				m_e	

Event 10211009 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/11	20:05:30.20		1.07	-36.4300	-73.0500				18.4				165	113.41	114.09	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
Ms	7.2		BGR	10211015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	113.41		PKiKP	20:24:08.498						T__				m_e	
GRA1	113.41		PP	20:24:56.827						T__				m_e	
GRA1	113.41		L	21:09:47.409						T__	69970.8	21.80	a_e	Ms	7.2
MOX	114.09		L	21:10:37.990						T__	72298.4	20.90	a_e	Ms	7.3

Event 10212001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/11	23:59:31.84		1.04	29.0860	141.3870				33.0				13	52	87.13	92.21	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10212007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	92.21		P	00:12:36.604		41.9		4.67		TAS		16.1	1.17	m_e mb	5.2
BSEG	87.13		P	00:12:13.117	-0.1	41.9		4.67		TAS		22.3	1.04	m_e mb	5.2
CLL	87.98		P	00:12:16.806	0.2	41.9		4.67		TAS		23.1	1.48	m_e mb	5.3
CLZ	88.69		P	00:12:20.694	0.1	41.9		4.67		TAS		18.2	1.22	m_e mb	5.2
FUR	91.05		P	00:12:31.754		41.9		4.67		TAS		25.4	0.98	m_e mb	5.5
GEC2	89.45		P	00:12:23.888	0.2	41.9		4.67		TAS		6.4	1.02	m_e mb	4.8
GRA1	89.94		P	00:12:26.740	-0.3	41.9		4.67		TAS		25.0	1.23	m_e mb	5.3
GTTG	89.08		P	00:12:22.396	-0.2	41.9		4.67		TAS		15.7	0.96	m_e mb	5.2
IBBN	89.38		P	00:12:23.662	-0.1	41.9		4.67		TAS		14.8	1.10	m_e mb	5.1
ROTZ	89.45		P	00:12:24.267	0.4	41.9		4.67		TAS		9.3	1.14	m_e mb	4.9
STU	91.51		P	00:12:33.548		41.9		4.67		TAS		12.3	0.75	m_e mb	5.3
TANN	88.86		P	00:12:21.195	-0.0	41.9		4.67		TAS		5.5	1.21	m_e mb	4.7
WET	89.61		P	00:12:24.724	-0.1	41.9		4.67		TAS		3.1	1.24	m_e mb	4.4

Event 10212002 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/02/12 02:53:14.53 1.04 -0.5220 -16.1120 33.0 19 52 53.08 58.52 m i ke BGR
 10212008

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 10212008
 Ms 5.1 BGR 10212008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	54.58		P	03:02:41.892	0.5	213.9		7.20		TAS		59.5	1.19	m_e	mb 5.5
BFO	53.08		P	03:02:30.719	-0.1	213.9		7.20		TAS		94.2	1.37	m_e	mb 5.5
BRG	57.22		P	03:03:00.492	-0.2	213.9		7.20		TAS		38.6	1.27	m_e	mb 5.3
BSEG	58.52		P	03:03:09.258		213.9		7.20		TAS				m_e	
BUG	55.43		P	03:02:47.569	0.1	213.9		7.20		TAS		61.0	1.34	m_e	mb 5.5
CLL	57.23		P	03:03:00.440	-0.5	213.9		7.20		TAS		58.9	1.48	m_e	mb 5.4
CLZ	56.76		P	03:02:57.199	-0.1	213.9		7.20		TAS		58.2	1.69	m_e	mb 5.3
FUR	54.00		P	03:02:37.733	0.2	213.9		7.20		TAS		198.4	1.44	m_e	mb 5.9
GEC2	55.50		P	03:02:48.776	0.6	213.9		7.20		TAS		173.6	1.79	m_e	mb 5.8
GRA1	55.25		P	03:02:45.953	-0.6	213.9		7.20		TAS		46.3	1.14	m_e	mb 5.4
GRA1	55.25		PP	03:04:47.583		212.0		9.84		TAS				m_e	
GRA1	55.25		L	03:26:58.479						T__		1757.0	20.60	a_e	Ms 5.1
GTTG	56.37		P	03:02:54.894	0.4	213.9		7.20		TAS		88.6	1.76	m_e	mb 5.5
IBBN	56.34		P	03:02:54.345	0.4	213.9		7.20		TAS		87.2	1.52	m_e	mb 5.6
MOX	56.18		P	03:02:53.548	0.3	213.9		7.20		TAS		171.9	2.21	m_e	mb 5.7
MOX	56.18		L	03:27:06.143						T__		1712.2	18.60	a_e	Ms 5.2
ROTZ	55.67		P	03:02:49.547	0.0	213.9		7.20		TAS		120.5	1.94	m_e	mb 5.6
STU	53.75		P	03:02:34.535	-1.2	213.9		7.20		TAS		69.9	1.46	m_e	mb 5.5
TANN	56.30		P	03:02:54.074	0.0	213.9		7.20		TAS		66.1	1.36	m_e	mb 5.5
TNS	54.74		P	03:02:42.887	0.2	213.9		7.20		TAS		58.6	1.16	m_e	mb 5.5
WET	55.42		P	03:02:47.897	0.2	213.9		7.20		TAS		43.7	1.13	m_e	mb 5.4
WLF	53.53		P	03:02:33.748	-0.1	213.9		7.20		TAS		367.9	2.57	m_e	mb 6.0

Event 10212003 Kermadec Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/12 03:03:07.90 1.04 -31.2000 -177.7300 29.9 4 52 158.40 162.28 m i ke NEIC
 10212065

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	162.28		PKPab	03:23:52.543		23.3		4.49		TAS				m_e	
BRG	158.51		PKPab	03:23:36.359	-0.1	23.3		4.49		TAS				m_e	
CLL	158.40		PKPab	03:23:35.565		23.3		4.49		TAS				m_e	
FUR	161.72		PKPab	03:23:50.753		23.3		4.49		TAS				m_e	
GRA1	160.34		PKPab	03:23:44.733		23.3		4.49		TAS				m_e	

WET 160.37 PKPab 03:23:44.771 23.3 4.49 TAS m_e

Event 10212007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/12	17:57:48.79		1.13	-21.6500	-176.4100				33.0			33	215	146.34	153.11	m i ke	BGR
OrigID 10212013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.04		PKPdf	18:17:31.957		13.1		1.49		TAS					m_e
AHRW	151.04		PKPbc	18:17:38.243	-0.2	11.3		2.54		TAS					m_e
ASSE	149.08		PKPdf	18:17:29.064	0.1	13.1		1.49		TAS					m_e
ASSE	149.08		PKPbc	18:17:33.580	0.1	11.3		2.54		TAS					m_e
BFO	153.11		PKPdf	18:17:34.648		13.1		1.49		TAS					m_e
BFO	153.11		PKPbc	18:17:43.091	-0.6	11.3		2.54		TAS					m_e
BFO	153.11		PKPab	18:17:53.017		11.2		4.19		TAS					m_e
BRG	149.72		PKPdf	18:17:30.141	0.1	13.1		1.49		TAS					m_e
BRG	149.72		PKPbc	18:17:35.603	0.1	11.3		2.54		TAS					m_e
BRG	149.72		PKPab	18:17:39.377	-0.2	11.2		4.19		TAS					m_e
BSEG	147.36		PKPdf	18:17:26.002	-0.2	13.1		1.49		TAS					m_e
BSEG	147.36		PKPbc	18:17:28.858	-0.2	11.3		2.54		TAS					m_e
BUG	150.13		PKPdf	18:17:29.883	0.0	13.1		1.49		TAS					m_e
BUG	150.13		PKPbc	18:17:35.969	-0.1	11.3		2.54		TAS					m_e
CLL	149.50		PKPdf	18:17:29.749	0.4	13.1		1.49		TAS					m_e
CLL	149.50		PKPbc	18:17:34.789	0.0	11.3		2.54		TAS					m_e
CLZ	149.41		PKPdf	18:17:29.479	-0.7	13.1		1.49		TAS					m_e
CLZ	149.41		PKPbc	18:17:34.624	0.3	11.3		2.54		TAS					m_e
FBE	149.80		PKPbc	18:17:36.089	0.5	11.3		2.54		TAS					m_e
FBE	149.80		PKPab	18:17:39.995		11.2		4.19		TAS					m_e
FLT1	148.81		PKPbc	18:17:32.610	-0.2	11.3		2.54		TAS					m_e
FUR	152.84		PKPdf	18:17:34.547		13.1		1.49		TAS					m_e
FUR	152.84		PKPbc	18:17:42.777	-0.4	11.3		2.54		TAS					m_e
GEC2	151.69		PKPdf	18:17:32.988		13.1		1.49		TAS					m_e
GEC2	151.69		PKPbc	18:17:40.370	-0.2	11.3		2.54		TAS					m_e
GRA1	151.37		PKPdf	18:17:32.634		13.1		1.49		TAS					m_e
GRA1	151.37		PKPbc	18:17:39.628	0.2	11.3		2.54		TAS					m_e
GRA1	151.37		PKPab	18:17:46.310		11.2		4.19		TAS					m_e
GRA1	151.37		SKKS	18:28:32.686	0.0					T__					m_e
GTTG	149.75		PKPbc	18:17:35.316	0.2	11.3		2.54		TAS					m_e
GUNZ	150.53		PKPbc	18:17:37.720	0.4	11.3		2.54		TAS					m_e
GUNZ	150.53		PKPab	18:17:42.832		11.2		4.19		TAS					m_e
HLG	147.35		PKPbc	18:17:28.966	-0.1	11.3		2.54		TAS					m_e
IBBN	149.23		PKPbc	18:17:33.812	0.0	11.3		2.54		TAS					m_e
MANZ	150.93		PKPbc	18:17:38.629	0.3	11.3		2.54		TAS					m_e

MOX	150.38	PKPbc	18:17:37.040	0.1	11.3	2.54	TAS	m_e
MOX	150.38	PKPab	18:17:42.115		11.2	4.19	TAS	m_e
NEUB	149.83	PKPdf	18:17:30.318	-0.0	13.1	1.49	TAS	m_e
NEUB	149.83	PKPbc	18:17:35.639	0.2	11.3	2.54	TAS	m_e
NEUB	149.83	PKPab	18:17:39.551		11.2	4.19	TAS	m_e
NRDL	148.80	PKPdf	18:17:28.246	0.1	13.1	1.49	TAS	m_e
NRDL	148.80	PKPbc	18:17:32.742	0.0	11.3	2.54	TAS	m_e
PLN	150.44	PKPdf	18:17:31.360	-0.0	13.1	1.49	TAS	m_e
PLN	150.44	PKPbc	18:17:37.409	0.3	11.3	2.54	TAS	m_e
PLN	150.44	PKPab	18:17:42.427		11.2	4.19	TAS	m_e
RGN	146.34	PKPbc	18:17:25.704	-0.9	11.3	2.54	TAS	m_e
RJOB	152.94	PKPdf	18:17:34.033		13.1	1.49	TAS	m_e
RJOB	152.94	PKPbc	18:17:42.807	-0.9	11.3	2.54	TAS	m_e
ROTZ	151.12	PKPbc	18:17:39.184	0.3	11.3	2.54	TAS	m_e
RUE	148.24	PKPdf	18:17:27.519	0.1	13.1	1.49	TAS	m_e
RUE	148.24	PKPbc	18:17:31.387	-0.2	11.3	2.54	TAS	m_e
STU	152.57	PKPdf	18:17:34.111		13.1	1.49	TAS	m_e
STU	152.57	PKPbc	18:17:42.100	-0.2	11.3	2.54	TAS	m_e
TANN	150.46	PKPdf	18:17:31.429	-0.8	13.1	1.49	TAS	m_e
TANN	150.46	PKPbc	18:17:37.463	0.3	11.3	2.54	TAS	m_e
TANN	150.46	PKPab	18:17:42.528		11.2	4.19	TAS	m_e
TNS	151.23	PKPdf	18:17:32.098		13.1	1.49	TAS	m_e
TNS	151.23	PKPbc	18:17:39.039	0.2	11.3	2.54	TAS	m_e
TNS	151.23	PKPab	18:17:45.283		11.2	4.19	TAS	m_e
WERD	150.45	PKPbc	18:17:37.399	0.2	11.3	2.54	TAS	m_e
WERD	150.45	PKPab	18:17:42.538		11.2	4.19	TAS	m_e
WERN	150.59	PKPbc	18:17:37.946	0.4	11.3	2.54	TAS	m_e
WERN	150.59	PKPab	18:17:43.185		11.2	4.19	TAS	m_e
WET	151.59	PKPbc	18:17:39.922	-0.3	11.3	2.54	TAS	m_e
WLF	151.97	PKPdf	18:17:34.045		13.1	1.49	TAS	m_e
WLF	151.97	PKPbc	18:17:41.139	0.3	11.3	2.54	TAS	m_e

Event 10213001 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/13	19:12:28.55		1.13	38.1350	73.9390				33.0			17	215	43.48	48.61	m i ke	BGR
OrigID 10213007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10213007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.84		P	19:21:01.553		79.9		7.93		TAS		11.0	0.76	m_e mb	5.1
BFO	47.52		P	19:20:59.036		79.9		7.93		TAS		6.3	0.87	m_e mb	4.8
BRG	43.48		P	19:20:26.756	-0.4	79.9		7.93		TAS		8.6	0.59	m_e mb	4.7
BSEG	45.33		P	19:20:41.177	-0.1	79.9		7.93		TAS		21.2	0.74	m_e mb	5.2

BUG	47.54	P	19:20:59.078		79.9	7.93	TAS	23.8	1.08	m_e	mb	5.2
CLL	44.02	P	19:20:30.471	-0.8	79.9	7.93	TAS	11.7	0.71	m_e	mb	4.7
CLZ	45.57	P	19:20:43.303	-0.1	79.9	7.93	TAS	33.8	1.28	m_e	mb	5.2
GEC2	43.92	P	19:20:31.167	0.5	79.9	7.93	TAS	11.5	0.93	m_e	mb	4.6
GRA1	45.38	P	19:20:43.012	0.2	79.9	7.93	TAS	17.9	0.76	m_e	mb	5.1
GTTG	45.86	P	19:20:45.790	0.0	79.9	7.93	TAS	87.1	1.12	m_e	mb	5.7
IBBN	47.09	P	19:20:55.107	-0.2	79.9	7.93	TAS	18.8	0.89	m_e	mb	5.2
MOX	44.98	P	19:20:38.805	0.7	79.9	7.93	TAS	8.3	0.88	m_e	mb	4.7
NRDL	45.63	P	19:20:43.871	-0.1	79.9	7.93	TAS	19.0	0.74	m_e	mb	5.2
TANN	44.48	P	19:20:35.046	-0.0	79.9	7.93	TAS	5.3	0.76	m_e	mb	4.3
TNS	47.05	P	19:20:55.176	0.1	79.9	7.93	TAS	4.8	0.83	m_e	mb	4.7
WET	44.41	P	19:20:34.708	0.2	79.9	7.93	TAS	5.8	0.80	m_e	mb	4.4
WLF	48.61	P	19:21:07.950		79.9	7.93	TAS	15.9	0.86	m_e	mb	5.1

Event 10214005 New Guinea, Papua New Guinea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/14	01:55:37.60		1.13	-5.1800	144.1200				98.5			6	215	118.46	120.56	m i ke	NEIC
10214067																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	118.46		PKPdf	02:14:14.284	0.2	57.9		1.89		TAS					m_e
CLL	118.75		PKPdf	02:14:14.655	0.2	57.9		1.89		TAS					m_e
FBE	118.75		PKPdf	02:14:15.061	-0.1	57.9		1.89		TAS					m_e
GEC2	119.60		PKPdf	02:14:16.414		57.9		1.89		TAS					m_e
GRA1	120.56		PKPdf	02:14:18.229		57.9		1.89		TAS					m_e
WERN	119.62		PKPdf	02:14:16.700		57.9		1.89		TAS					m_e

Event 10214006 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/14	03:40:10.70		1.13	-35.4300	-72.7300				25.4				215	112.52	113.19	m i ke	NEIC
10214067																	

Magnitude Err Nsta Author OrigID
Ms 6.9 BGR 10214012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	112.52		PKiKP	03:58:46.971						T__					m_e
GRA1	112.52		PP	03:59:42.340						T__					m_e
GRA1	112.52		L	04:44:51.965						T__	26402.9	20.60	a_e	Ms	6.8

MOX 113.19 L 04:45:49.801 T__ 35104.7 20.20 a_e Ms 6.9

Event 10214007 Morocco

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/14	06:02:55.90		1.13	31.9700	-6.0700				9.9			9	215	19.65	23.00	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	10214013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	19.65		P	06:07:26.566	0.1	222.6		10.54		TAS		13.3	0.84	m_e mb	4.2
BUG	21.79		P	06:07:49.371	0.3	222.6		10.54		TAS		33.1	1.29	m_e mb	4.6
GEC2	22.49		P	06:07:54.504		222.6		10.54		TAS		16.5	0.90	m_e mb	4.5
GRA1	21.92		P	06:07:50.270	-1.3	222.6		10.54		TAS		36.4	1.27	m_e mb	4.7
RJOB	21.31		P	06:07:41.406	1.0	222.6		10.54		TAS		13.7	0.74	m_e mb	4.4
ROTZ	22.42		P	06:07:55.938		222.6		10.54		TAS		7.9	0.92	m_e mb	4.1
TANN	23.00		P	06:08:00.049		222.6		10.54		TAS		8.1	0.94	m_e mb	4.2
WET	22.29		P	06:07:52.254		222.6		10.54		TAS		6.2	1.07	m_e mb	4.0
WLF	19.90		P	06:07:28.146	-0.8	222.6		10.54		TAS		29.3	1.13	m_e mb	4.4

Event 10214001 Bad Ems, E of Koblenz

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/14	12:43:12.50	0.21	1.00	50.3910	7.8940	3.3	2.2	19	10.0			24	86	0.39	4.23	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	10214007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	0.54		Sg	12:43:28.884	-1.1					T__				m_e	
AHRW	0.54		Pg	12:43:22.900	0.0					T__				m_e ML	4.0
ASSE	2.47		Sg	12:44:32.365	1.6					T__				m_e	
ASSE	2.47		Pn	12:43:51.985	0.3					T__				m_e ML	4.4
ASSE	2.47		Pg	12:43:57.807	-1.1					T__				m_e	
BRG	3.88		Pn	12:44:12.708	2.0					T__				m_e	
BSEG	3.85		Pn	12:44:10.647	0.3					T__				m_e	
BUG	1.12		Sg	12:43:48.586	0.4					T__				m_e	
BUG	1.12		Pn	12:43:33.653	0.1					T__				m_e ML	4.6
CLL	3.37		Sg	12:44:58.715	-0.6					T__				m_e	
CLZ	2.13		Sg	12:44:21.007	0.8					T__				m_e	

CLZ	2.13	Pn	12:43:47.029	-0.1	T__	m_e ML	4.5
CLZ	2.13	Pg	12:43:51.554	-1.1	T__	m_e	
FBE	3.52	Sg	12:45:03.550	-0.5	T__	m_e	
FBE	3.52	Pn	12:44:06.846	1.1	T__	m_e ML	4.5
FLT1	2.86	Sg	12:44:42.278	-0.9	T__	m_e	
FLT1	2.86	Pn	12:43:56.992	0.1	T__	m_e ML	4.5
FUR	3.14	Pn	12:44:02.117	1.4	T__	m_e	
GRA1	2.26	Sg	12:44:23.174	-1.0	T__	m_e ML	4.3
IBBN	1.92	Sg	12:44:13.367	-0.1	T__	m_e	
IBBN	1.92	Pn	12:43:44.793	0.5	T__	m_e ML	4.8
IBBN	1.92	Pg	12:43:47.586	-1.1	T__	m_e	
MANZ	2.74	Sg	12:44:38.907	-0.5	T__	m_e	
MANZ	2.74	Pn	12:43:56.061	0.7	T__	m_e ML	4.4
MOX	2.39	Sg	12:44:28.301	-0.0	T__	m_e	
MOX	2.39	Pn	12:43:51.383	0.8	T__	m_e ML	4.4
NEUB	2.59	Sg	12:44:33.785	-0.9	T__	m_e	
NEUB	2.59	Pn	12:43:53.681	0.4	T__	m_e ML	4.9
NRDL	2.52	Pn	12:43:52.593	0.2	T__	m_e	
NRDL	2.52	Pg	12:43:59.345	-0.6	T__	m_e	
PLN	2.73	Sg	12:44:39.855	0.8	T__	m_e	
PLN	2.73	Pn	12:43:55.825	0.6	T__	m_e ML	4.2
RJOB	4.18	Pn	12:44:16.723	2.0	T__	m_e	
ROTZ	2.85	Sg	12:44:41.269	-1.6	T__	m_e	
ROTZ	2.85	Pn	12:43:57.814	1.0	T__	m_e ML	4.4
RUE	4.23	Pg	12:44:30.934	-1.2	T__	m_e	
STU	1.83	Pn	12:43:42.905	-0.2	T__	m_e ML	4.7
STU	1.83	Pg	12:43:46.968	0.0	T__	m_e	
TNS	0.39	Sg	12:43:25.297	0.0	T__	m_e	
TNS	0.39	Pg	12:43:20.756	0.7	T__	m_e	
WET	3.46	Sg	12:44:59.918	-2.5	T__	m_e	
WET	3.46	Pn	12:44:06.852	1.8	T__	m_e ML	4.4
WLF	1.34	Pn	12:43:35.009	-1.4	T__	m_e ML	4.5
WLF	1.34	Pg	12:43:36.473	-1.3	T__	m_e	

Event 10215001 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	00:56:49.00	2.25	2.59	39.5600	15.1600	101.2	32.2	8	354.0			23	282	6.96	11.96	m i ke	INGV
10215091																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	7.69		P	00:58:46.484	-8.2	182.7		10.33		TAS				m_e	
BALST	9.48		P	00:59:01.811	0.3	182.7		10.33		TAS				m_e	
BRG	11.35		P	00:59:27.299		182.7		10.33		TAS				m_e	

DAVA	8.62	P	00:58:53.225	-3.7	182.7	10.33	TAS	m_e
FUR	9.04	P	00:58:58.185	7.8	182.7	10.33	TAS	m_e
GRA1	10.51	P	00:59:17.938	-0.6	182.7	10.33	TAS	m_e
GUNZ	10.99	P	00:59:23.000	17.7	182.7	10.33	TAS	m_e
KBA	7.63	P	00:58:45.960	-5.6	182.7	10.33	TAS	m_e
MLR	9.92	P	00:59:14.552	-1.9	182.7	10.33	TAS	m_e
MOA	8.31	P	00:58:50.593	-9.4	182.7	10.33	TAS	m_e
MOX	11.36	P	00:59:27.001		182.7	10.33	TAS	m_e
NEUB	11.87	P	00:59:33.940		182.7	10.33	TAS	m_e
OBER	8.60	P	00:58:52.842	0.8	182.7	10.33	TAS	m_e
OBKA	6.96	P	00:58:36.583	-9.8	182.7	10.33	TAS	m_e
PKSM	7.12	P	00:58:36.639	-10.2	182.7	10.33	TAS	m_e
PLN	11.13	P	00:59:24.345		182.7	10.33	TAS	m_e
SULZ	9.46	P	00:59:02.555	25.1	182.7	10.33	TAS	m_e
TANN	11.02	P	00:59:23.673		182.7	10.33	TAS	m_e
TNS	11.67	P	00:59:30.561		182.7	10.33	TAS	m_e
WERD	11.07	P	00:59:23.349		182.7	10.33	TAS	m_e
WERN	10.91	P	00:59:21.631	0.6	182.7	10.33	TAS	m_e
WET	9.72	P	00:59:06.518	-2.0	182.7	10.33	TAS	m_e
WLF	11.96	P	00:59:34.629		182.7	10.33	TAS	m_e

Event 10215002 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	07:18:19.10		2.59	21.1300	121.1300				35.7			6	282	84.12	86.82	m i ke	NEIC
OrigID 10215064																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10215008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	84.12	P		07:30:46.996	0.0	59.8		5.25		TAS		26.0	1.33	m_e mb	5.3
CLL	84.45	P		07:30:48.477	-0.2	59.8		5.25		TAS		52.6	1.77	m_e mb	5.5
CLZ	85.65	P		07:30:55.015		59.8		5.25		TAS		52.7	1.53	m_e mb	5.4
GRA1	86.21	P		07:30:57.923		59.8		5.25		TAS		30.8	1.80	m_e mb	5.1
IBBN	86.82	P		07:31:00.529		59.8		5.25		TAS		27.5	0.80	m_e mb	5.4
ROTZ	85.61	P		07:30:55.045		59.8		5.25		TAS				m_e	

Event 10215003 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	09:21:43.68		2.59	-13.4160	-13.4230				33.0			11	282	64.44	70.08	m i ke	BGR
OrigID 10215009																	

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 10215009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	64.44		P	09:32:18.810	-0.2	206.2		6.38		TAS		23.3	0.85	m_e mb	5.4
BSEG	70.08		P	09:32:54.331		206.2		6.38		TAS		23.5	0.94	m_e mb	5.3
FUR	65.13		P	09:32:23.552	0.1	206.2		6.38		TAS		272.3	2.71	m_e mb	6.0
GRA1	66.48		P	09:32:32.005	-0.0	206.2		6.38		TAS		14.3	1.03	m_e mb	5.1
MOX	67.45		P	09:32:38.174		206.2		6.38		TAS		14.8	1.23	m_e mb	5.1
NRDL	68.71		P	09:32:46.851		206.2		6.38		TAS		27.2	1.18	m_e mb	5.4
RJOB	65.22		P	09:32:23.573	-0.0	206.2		6.38		TAS		10.5	0.88	m_e mb	5.1
ROTZ	66.83		P	09:32:34.424	0.6	206.2		6.38		TAS		15.7	1.26	m_e mb	5.1
TANN	67.49		P	09:32:38.449		206.2		6.38		TAS		11.9	1.01	m_e mb	5.1
WET	66.49		P	09:32:32.134	0.0	206.2		6.38		TAS		23.7	1.26	m_e mb	5.3

Event 10215006 Sulawesi, Indonesia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/15 13:33:53.10 0.31 -2.5100 121.4900 14.0 148 104.47 104.94 m i ke NEIC
 10215060

Magnitude Err Nsta Author OrigID
 Ms 5.7 BGR 10215012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	104.94		PP	13:52:25.850						T__				m_e	
GRA1	104.94		L	14:41:55.363						T__		2135.5	21.60	a_e Ms	5.6
MOX	104.47		L	14:40:18.795						T__		2917.6	21.80	a_e Ms	5.8

Event 10215007 Ryukyu Islands, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/15 14:12:59.79 0.31 26.8900 128.7480 33.0 13 148 83.61 88.09 m i ke BGR
 10215013

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 10215013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	88.09		P	14:25:45.741		52.5		4.97		TAS		87.1	2.09	m_e mb	5.7
BRG	83.65		P	14:25:23.761	-0.3	52.5		4.97		TAS		62.0	1.83	m_e mb	5.5
BSEG	83.61		P	14:25:23.861	0.1	52.5		4.97		TAS		123.1	1.83	m_e mb	5.8

CLL	83.88	P	14:25:24.829	-0.3	52.5	4.97	TAS	25.3	0.97	m_e	mb	5.4
CLZ	84.87	P	14:25:30.197	0.1	52.5	4.97	TAS	73.9	1.31	m_e	mb	5.8
GEC2	84.95	P	14:25:30.419	-0.1	52.5	4.97	TAS	24.4	1.33	m_e	mb	5.3
GRA1	85.75	P	14:25:34.820	-0.4	52.5	4.97	TAS	42.8	1.06	m_e	mb	5.5
MOX	84.98	P	14:25:30.523	-0.1	52.5	4.97	TAS	73.1	1.96	m_e	mb	5.6
NRDL	84.59	P	14:25:28.746	0.1	52.5	4.97	TAS	94.9	1.94	m_e	mb	5.7
RJOB	86.10	P	14:25:36.377		52.5	4.97	TAS	21.5	1.06	m_e	mb	5.2
ROTZ	85.20	P	14:25:32.268	0.1	52.5	4.97	TAS	90.0	1.76	m_e	mb	5.7
TANN	84.68	P	14:25:29.105	-0.1	52.5	4.97	TAS	68.4	1.96	m_e	mb	5.5
WET	85.22	P	14:25:31.926	0.3	52.5	4.97	TAS	114.0	2.51	m_e	mb	5.7

Event 10215008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	19:01:09.25		0.31	39.0500	143.7720				33.0				20 148	79.09	84.43	m i ke	BGR
OrigID 10215014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10215014
Ms	5.2		BGR	10215014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.02		P	19:13:29.485	0.2	35.3		5.25		TAS		20.8	0.96	m_e	mb	5.3
BFO	84.43		P	19:13:36.766		35.3		5.25		TAS		54.3	1.17	m_e	mb	5.7
BRG	80.25		P	19:13:14.875	-0.2	35.3		5.25		TAS		25.6	1.08	m_e	mb	5.1
BSEG	79.09		P	19:13:08.989	0.1	35.3		5.25		TAS		45.6	1.09	m_e	mb	5.4
CLL	80.26		P	19:13:14.718	-0.4	35.3		5.25		TAS		36.8	0.97	m_e	mb	5.3
CLZ	80.78		P	19:13:18.141	0.3	35.3		5.25		TAS		42.2	1.22	m_e	mb	5.3
FUR	83.46		P	19:13:31.993	-0.2	35.3		5.25		TAS		57.6	1.22	m_e	mb	5.7
GEC2	81.96		P	19:13:23.754	-0.3	35.3		5.25		TAS		31.0	1.57	m_e	mb	5.2
GRA1	82.23		P	19:13:25.896	-0.1	35.3		5.25		TAS		50.8	0.99	m_e	mb	5.6
GRA1	82.23		L	19:55:22.609						T__		1144.7	18.90	a_e	Ms	5.3
GTTG	81.17		P	19:13:19.947	0.0	35.3		5.25		TAS		27.6	1.02	m_e	mb	5.2
IBBN	81.30		P	19:13:20.576	0.1	35.3		5.25		TAS		57.1	1.43	m_e	mb	5.4
MOX	81.31		P	19:13:20.499	-0.2	35.3		5.25		TAS		24.3	1.21	m_e	mb	5.1
MOX	81.31		L	19:54:55.695						T__		1071.7	18.70	a_e	Ms	5.2
NRDL	80.34		P	19:13:15.448	-0.1	35.3		5.25		TAS		58.7	1.82	m_e	mb	5.2
RJOB	83.21		P	19:13:30.858	0.0	35.3		5.25		TAS		37.0	1.01	m_e	mb	5.6
ROTZ	81.80		P	19:13:23.594	0.4	35.3		5.25		TAS		49.5	1.58	m_e	mb	5.4
STU	83.75		P	19:13:33.300	0.1	35.3		5.25		TAS		47.8	1.28	m_e	mb	5.6
TANN	81.18		P	19:13:19.954	-0.0	35.3		5.25		TAS		12.9	1.16	m_e	mb	4.8
TNS	82.81		P	19:13:28.446	-0.1	35.3		5.25		TAS		35.3	1.47	m_e	mb	5.4
WET	82.04		P	19:13:24.726	0.2	35.3		5.25		TAS		31.4	1.37	m_e	mb	5.3
WLF	84.08		P	19:13:35.207	-0.3	35.3		5.25		TAS		254.9	2.66	m_e	mb	6.0

Event 10215009 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	19:06:56.98		0.31	38.9070	143.4370				33.0			19	148	79.10	84.44	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10215015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.44		P	19:19:24.457		35.6		5.25		TAS		60.6	1.22	m_e mb	5.7
BRG	80.24		P	19:19:02.628	-0.2	35.6		5.25		TAS		27.3	1.21	m_e mb	5.1
BSEG	79.10		P	19:18:56.868	0.1	35.6		5.25		TAS		38.4	1.22	m_e mb	5.3
CLL	80.25		P	19:19:02.539	-0.4	35.6		5.25		TAS		35.3	1.02	m_e mb	5.2
CLZ	80.79		P	19:19:05.925	0.2	35.6		5.25		TAS		33.2	1.15	m_e mb	5.3
FUR	83.45		P	19:19:19.793	0.1	35.6		5.25		TAS		68.3	1.30	m_e mb	5.7
GEC2	81.95		P	19:19:11.627	-0.2	35.6		5.25		TAS		14.8	1.21	m_e mb	5.0
GRA1	82.23		P	19:19:13.622	-0.0	35.6		5.25		TAS		52.5	1.05	m_e mb	5.6
GTTG	81.18		P	19:19:07.748	0.0	35.6		5.25		TAS		24.8	1.06	m_e mb	5.2
IBBN	81.32		P	19:19:08.463	0.1	35.6		5.25		TAS		25.3	1.06	m_e mb	5.2
MOX	81.31		P	19:19:08.203	-0.3	35.6		5.25		TAS		20.5	1.27	m_e mb	5.0
NRDL	80.35		P	19:19:03.342	-0.0	35.6		5.25		TAS		89.7	2.21	m_e mb	5.3
RJOB	83.20		P	19:19:18.603	-0.1	35.6		5.25		TAS		34.1	1.08	m_e mb	5.5
ROTZ	81.79		P	19:19:11.505	0.5	35.6		5.25		TAS		23.7	1.18	m_e mb	5.2
STU	83.75		P	19:19:21.155	-0.4	35.6		5.25		TAS				m_e	
TANN	81.18		P	19:19:07.695	-0.1	35.6		5.25		TAS		19.0	1.36	m_e mb	4.9
TNS	82.82		P	19:19:16.337	0.2	35.6		5.25		TAS		9.9	0.96	m_e mb	5.0
WET	82.03		P	19:19:12.506	0.2	35.6		5.25		TAS		40.2	1.49	m_e mb	5.3
WLF	84.09		P	19:19:23.089		35.6		5.25		TAS		83.4	1.64	m_e mb	5.7

Event 10215010 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	21:59:07.18		0.31	-0.0030	-17.0570				33.0			18	148	52.93	58.33	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10215016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	52.93		P	22:08:21.895	-0.1	215.2		7.21		TAS		22.1	1.09	m_e mb	5.0
BRG	57.11		P	22:08:51.891		215.2		7.21		TAS		10.8	1.05	m_e mb	4.8
BSEG	58.33		P	22:09:00.387		215.2		7.21		TAS		32.2	1.02	m_e mb	5.3
CLL	57.10		P	22:08:51.476		215.2		7.21		TAS		18.2	1.28	m_e mb	5.0

CLZ	56.59	P	22:08:48.296	-0.2	215.2	7.21	TAS	30.7	1.94	m_e	mb	5.0
FUR	53.89	P	22:08:29.178	0.2	215.2	7.21	TAS	41.6	1.07	m_e	mb	5.4
GEC2	55.41	P	22:08:40.178	0.0	215.2	7.21	TAS	15.1	0.96	m_e	mb	5.0
GRA1	55.12	P	22:08:37.619	0.2	215.2	7.21	TAS	6.7	0.73	m_e	mb	4.8
GTTG	56.20	P	22:08:46.165	0.5	215.2	7.21	TAS	13.0	0.90	m_e	mb	5.0
MOX	56.04	P	22:08:44.522	0.0	215.2	7.21	TAS	9.2	0.82	m_e	mb	4.8
NRDL	57.05	P	22:08:52.071	-0.3	215.2	7.21	TAS	17.0	1.27	m_e	mb	4.9
RJOB	54.17	P	22:08:30.696	-0.1	215.2	7.21	TAS	18.4	0.64	m_e	mb	5.3
ROTZ	55.55	P	22:08:40.826	0.6	215.2	7.21	TAS	41.7	1.76	m_e	mb	5.2
STU	53.61	P	22:08:26.573	-0.3	215.2	7.21	TAS	16.4	0.84	m_e	mb	5.1
TANN	56.17	P	22:08:45.419	-0.6	215.2	7.21	TAS	16.9	1.05	m_e	mb	5.0
TNS	54.57	P	22:08:34.001	-0.2	215.2	7.21	TAS	24.7	0.95	m_e	mb	5.2
WET	55.32	P	22:08:39.346	-0.1	215.2	7.21	TAS	20.2	0.96	m_e	mb	5.1
WLF	53.33	P	22:08:24.370	-0.3	215.2	7.21	TAS	89.7	1.92	m_e	mb	5.4

Event 10215011 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/15	22:12:35.40		0.31	38.7300	143.0500				33.0				148	82.24	82.24	m i ke	GSRC
OrigID 10215086																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10215017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.24		P	22:24:55.619		36.0		4.31		TAS		17.7	1.14	m_e	mb 5.1

Event 10216001 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/16	02:15:39.10			-6.1300	149.4300				55.0				9	123.13	126.54	m i ke	NEIC
OrigID 10216055																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	126.54		PKKPbc	02:43:55.817						T__				m_e	
GEC2	123.37		PKKPbc	02:43:48.383	0.4					T__				m_e	
GRA1	124.20		PKKPbc	02:43:50.165						T__				m_e	
GTTG	123.69		PKKPbc	02:43:46.970	-0.3					T__				m_e	
IBBN	124.24		PKKPbc	02:43:47.198						T__				m_e	
MOX	123.43		PKKPbc	02:43:46.909	0.5					T__				m_e	
ROTZ	123.64		PKKPbc	02:43:48.754						T__				m_e	

TANN	123.13	PKKPbc	02:43:46.428	0.4	T__	m_e
TNS	125.28	PKKPbc	02:43:52.037		T__	m_e

Event 10216007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/16	15:55:05.52		0.38	-20.0410	-178.3150				33.0			7	206	147.54	150.71	m i ke	BGR
10216013																	

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
BRG	147.74		PKPbc	16:14:46.709	-0.1	17.8		2.63		TAS					m_e
CLL	147.55		PKPbc	16:14:45.992	0.0	17.8		2.63		TAS					m_e
CLZ	147.54		PKPbc	16:14:46.124	0.1	17.8		2.63		TAS					m_e
GRA1	149.45		PKPbc	16:14:50.938		17.8		2.63		TAS					m_e
ROTZ	149.17		PKPbc	16:14:50.384		17.8		2.63		TAS					m_e
STU	150.71		PKPbc	16:14:54.476		17.8		2.63		TAS					m_e
TANN	148.51		PKPbc	16:14:48.669		17.8		2.63		TAS					m_e

Event 10216008 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/16	18:16:39.90		0.38	36.4600	69.4900				33.0				206	43.51	43.51	m i ke	GSRC
10216083																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10216014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	43.51		P	18:24:44.185		84.8		7.65		TAS		18.0	1.51	m_e mb	4.6

Event 10216009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/16	21:33:37.80		0.38	-20.7400	-176.2640				33.0			13	206	146.48	152.23	m i ke	BGR
10216015																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.23		PKPbc	21:53:29.572		14.3		2.52		TAS				m_e	
BRG	148.87		PKPbc	21:53:21.397	0.0	14.3		2.52		TAS				m_e	
BRG	148.87		PKPab	21:53:24.501	-0.1	13.9		4.27		TAS				m_e	
BSEG	146.48		PKPbc	21:53:14.859	-0.5	14.3		2.52		TAS				m_e	
BUG	149.24		PKPbc	21:53:22.572	0.1	14.3		2.52		TAS				m_e	
BUG	149.24		PKPab	21:53:26.156		13.9		4.27		TAS				m_e	
CLL	148.64		PKPbc	21:53:20.702	-0.0	14.3		2.52		TAS				m_e	
CLL	148.64		PKPab	21:53:23.410	0.1	13.9		4.27		TAS				m_e	
CLZ	148.53		PKPbc	21:53:20.920	0.5	14.3		2.52		TAS				m_e	
GEC2	150.84		PKPbc	21:53:26.230	0.5	14.3		2.52		TAS				m_e	
GEC2	150.84		PKPab	21:53:32.677		13.9		4.27		TAS				m_e	
GRA1	150.50		PKPbc	21:53:25.920		14.3		2.52		TAS				m_e	
GRA1	150.50		PKPab	21:53:31.038		13.9		4.27		TAS				m_e	
MOX	149.52		PKPbc	21:53:23.170	0.1	14.3		2.52		TAS				m_e	
MOX	149.52		PKPab	21:53:27.101	0.1	13.9		4.27		TAS				m_e	
NRDL	147.92		PKPbc	21:53:18.966	0.0	14.3		2.52		TAS				m_e	
RJOB	152.09		PKPab	21:53:38.344		13.9		4.27		TAS				m_e	
ROTZ	150.26		PKPbc	21:53:23.895	-0.1	14.3		2.52		TAS				m_e	
TANN	149.59		PKPbc	21:53:23.424	-0.9	14.3		2.52		TAS				m_e	
TNS	150.34		PKPab	21:53:30.919		13.9		4.27		TAS				m_e	
WET	150.73		PKPbc	21:53:26.153	-0.3	14.3		2.52		TAS				m_e	
WET	150.73		PKPab	21:53:32.567		13.9		4.27		TAS				m_e	

Event 10216011 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/16	23:45:09.70		0.61	25.9100	128.2900				1.0			7	61	84.21	87.20	m i ke	NEIC
10216073																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10216017
Ms	5.5		BGR	10216017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	84.21		P	23:57:42.917	0.1	53.5		5.06		TAS		23.0	1.21	m_e mb	5.3
BSEG	84.22		P	23:57:43.086	-0.3	53.5		5.06		TAS		44.7	0.93	m_e mb	5.7
CLL	84.44		P	23:57:44.090	-0.1	53.5		5.06		TAS		38.5	0.81	m_e mb	5.7
CLZ	85.46		P	23:57:49.946	-0.2	53.5		5.06		TAS		107.4	1.43	m_e mb	5.9
FUR	87.20		P	23:57:57.748		53.5		5.06		TAS		63.5	0.96	m_e mb	5.7
GRA1	86.31		P	23:57:53.302		53.5		5.06		TAS		80.9	1.35	m_e mb	5.7
GRA1	86.31		L	00:39:53.714						T__		1528.6	18.90	a_e Ms	5.4
MOX	85.54		L	00:39:59.932						T__		2045.0	19.00	a_e Ms	5.5
TANN	85.24		P	23:57:48.255	0.5	53.5		5.06		TAS		55.6	1.81	m_e mb	5.5

Event 10217004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/17	20:51:06.50		0.70	-14.2200	166.3600				34.4				61	138.30	139.20	m i ke	NEIC
OrigID 10217066																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	10217010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	139.20		PKPdf	21:10:37.486		39.5		1.35		TAS				m_e	
GRA1	139.20		SKPdf	21:14:11.315		35.7		1.92		TAS				m_e	
GRA1	139.20		L	22:11:27.710						T__		906.2	22.00	a_e Ms	5.5
MOX	138.30		L	22:11:00.235						T__		666.1	22.00	a_e Ms	5.3

Event 10218003 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/18	04:23:18.30		0.72	-4.6600	153.1400				54.0				18	199	122.32	127.14	m i ke	NEIC
OrigID 10218065																		

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	126.14		PKPdf	04:42:15.419	-0.3	48.5		1.96		TAS				m_e	
BFO	127.14		PKPdf	04:42:16.956		48.5		1.96		TAS				m_e	
BRG	122.72		PKPdf	04:42:08.473	-0.1	48.5		1.96		TAS				m_e	
BRG	122.72		PKP	04:42:22.236		48.5		1.96		TAS				m_e	
BSEG	122.32		PKPdf	04:42:07.977	0.1	48.5		1.96		TAS				m_e	
BUG	125.41		PKPdf	04:42:13.632	0.1	48.5		1.96		TAS				m_e	
CLL	122.89		PKPdf	04:42:08.522	-0.4	48.5		1.96		TAS				m_e	
CLZ	123.75		PKPdf	04:42:10.556	0.1	48.5		1.96		TAS				m_e	
FUR	125.79		PKPdf	04:42:14.724	0.3	48.5		1.96		TAS				m_e	
GEC2	124.11		PKPdf	04:42:11.449	0.2	48.5		1.96		TAS				m_e	
GRA1	124.81		PKPdf	04:42:12.639	-0.2	48.5		1.96		TAS				m_e	
GRA1	124.81		PKP	04:42:26.333		48.5		1.96		TAS				m_e	
IBBN	124.57		PKPdf	04:42:12.343	-0.4	48.5		1.96		TAS				m_e	
MOX	123.99		PKPdf	04:42:11.201	0.1	48.5		1.96		TAS				m_e	
NRDL	123.42		PKPdf	04:42:09.862	-0.1	48.5		1.96		TAS				m_e	
RJOB	125.28		PKPdf	04:42:13.285	-0.1	48.5		1.96		TAS				m_e	
RJOB	125.28		PKP	04:42:27.377		48.5		1.96		TAS				m_e	
ROTZ	124.28		PKPdf	04:42:11.896	0.1	48.5		1.96		TAS				m_e	
STU	126.42		PKPdf	04:42:16.163		48.5		1.96		TAS				m_e	
STU	126.42		PKP	04:42:29.933		48.5		1.96		TAS				m_e	

TANN	123.73	PKP	04:42:24.632		48.5		1.96	TAS									m_e
TNS	125.76	PKPdf	04:42:14.377	0.1	48.5		1.96	TAS									m_e
TNS	125.76	PKP	04:42:28.455		48.5		1.96	TAS									m_e
WET	124.35	PKPdf	04:42:12.194	-0.0	48.5		1.96	TAS									m_e
WET	124.35	PKP	04:42:25.535		48.5		1.96	TAS									m_e

Event 10218007 Sonora, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/18	17:47:40.38		0.46	30.9500	-112.7950				10.0				305	85.58	85.58	m i ke	BGR
	10218013																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10218013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.58		P	18:00:17.730		312.9		4.69		TAS		10.5	0.91	m_e mb	5.0

Event 10218008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/18	20:20:35.12		0.46	45.0930	146.7790				51.7				20 305	74.60	80.10	m i ke	BGR
	10218014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10218014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.53		P	20:32:34.230	-0.4	26.3		5.74		TAS		48.3	1.33	m_e mb	5.4
BFO	80.10		P	20:32:43.112		26.3		5.74		TAS		38.6	0.89	m_e mb	5.3
BRG	76.06		P	20:32:20.740	-1.3	26.3		5.74		TAS		28.3	1.03	m_e mb	5.3
BSEG	74.60		P	20:32:12.109	-0.1	26.3		5.74		TAS		55.7	0.93	m_e mb	5.6
BUG	77.68		P	20:32:29.202	-0.4	26.3		5.74		TAS		47.1	1.19	m_e mb	5.5
CLL	76.00		P	20:32:20.572	-0.9	26.3		5.74		TAS		118.6	1.21	m_e mb	5.9
CLZ	76.39		P	20:32:22.583	-0.3	26.3		5.74		TAS		82.7	1.06	m_e mb	5.8
FUR	79.28		P	20:32:39.090	-1.4	26.3		5.74		TAS		39.4	0.84	m_e mb	5.5
GEC2	77.86		P	20:32:31.465	-1.3	26.3		5.74		TAS		15.0	0.86	m_e mb	5.1
GRA1	77.98		P	20:32:32.135	14.5	26.3		5.74		TAS		50.9	0.78	m_e mb	5.7
GRA1	77.98		pP	20:32:46.882	14.5					T__				m_e	
GTTG	76.77		P	20:32:24.845	-0.2	26.3		5.74		TAS		57.6	1.16	m_e mb	5.6
IBBN	76.77		P	20:32:24.426	0.1	26.3		5.74		TAS		76.2	1.21	m_e mb	5.7
MOX	77.03		P	20:32:26.270	-0.8	26.3		5.74		TAS		25.2	0.95	m_e mb	5.3
NRDL	75.91		P	20:32:19.399	-0.5	26.3		5.74		TAS		46.0	1.08	m_e mb	5.5

RJOB	79.12	P	20:32:38.671	-1.3	26.3	5.74	TAS	29.8	1.07	m_e	mb	5.2
ROTZ	77.58	P	20:32:30.040	-0.6	26.3	5.74	TAS	70.2	0.12	m_e	mb	6.7
STU	79.44	P	20:32:39.425	-1.3	26.3	5.74	TAS	27.1	0.84	m_e	mb	5.3
TANN	76.94	P	20:32:26.018	-0.9	26.3	5.74	TAS	11.9	0.97	m_e	mb	5.0
TNS	78.40	P	20:32:33.392	-0.9	26.3	5.74	TAS	21.7	0.89	m_e	mb	5.3
WET	77.89	P	20:32:32.051	-0.6	26.3	5.74	TAS	29.8	0.97	m_e	mb	5.4

Event 10218009 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/18	23:11:55.01		0.46	1.2180	99.7950				33.0				305	88.15	88.15	m i ke	BGR
OrigID 10218015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10218015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	88.15		P	23:24:42.846		108.7		4.14		TAS		19.0	0.91	m_e	mb	5.4

Event 10219002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/19	08:55:21.00			-16.8700	-177.3900				397.1					146.53	146.53	m i ke	NEIC
OrigID 10219065																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.53		PKP	09:14:16.271		15.1		2.40		TAS				m_e	

Event 10219004 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/19	14:42:22.61		0.42	47.7260	-25.0710				33.0				13	130	23.89	23.89	m i ke	BGR
OrigID 10219010																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10219010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 23.89 P 14:47:32.999 -0.3 277.9 9.03 TAS 23.0 1.47 m_e mb 4.5

Event 10220001 Eastern Gulf of Aden

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/20	09:09:59.98			13.6860	51.5690				35.9					48.71	48.71	m i ke	BGR

OrigID
10220007

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 10220007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.71		P	09:18:41.392		120.2		8.48		TAS		24.2	1.38	m_e mb	5.0
GRA1	48.71		pP	09:18:51.116						T__				m_e	

Event 10220003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/20	14:32:10.08		0.07	-0.9110	98.5850				22.2				342	88.98	88.98	m i ke	BGR

OrigID
10220009

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 10220009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.98		P	14:45:03.454		111.0		4.10		TAS		7.7	0.94	m_e mb	4.9
GRA1	88.98		pP	14:45:09.945						T__				m_e	

Event 10220004 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/20	21:43:25.21		0.07	56.3300	161.7200				33.0				21 342	67.63	73.37	m i ke	BGR

OrigID
10220010

Magnitude Err Nsta Author OrigID
mb 5.9 BGR 10220010
MBB 6.1 BGR 10220010
Ms 5.7 BGR 10220010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	71.44	P	21:54:43.842	0.2	16.5	6.05	TAS	46.3	1.06	a_e	MBB	6.0
BFO	73.37	P	21:54:54.992	-0.5	16.5	6.05	TAS	104.1	1.23	a_e	MBB	5.9
BRG	69.88	P	21:54:34.092	-0.4	16.5	6.05	TAS	134.8	1.23	a_e	MBB	6.1
BSEG	67.63	P	21:54:20.642	-0.1	16.5	6.05	TAS	96.2	1.17	a_e	MBB	6.1
BUG	70.54	S	22:03:52.001				T__				m_e	
BUG	70.54	P	21:54:38.042	-0.1	16.5	6.05	TAS	112.9	1.02	a_e	MBB	6.0
CLL	69.65	P	21:54:32.592	-0.5	16.5	6.05	TAS	261.1	1.30	a_e	MBB	6.2
CLZ	69.63	P	21:54:33.142	0.3	16.5	6.05	TAS	212.7	1.18	a_e	MBB	6.2
FUR	72.99	P	21:54:53.092	-0.2	16.5	6.05	TAS	154.3	1.30	a_e	MBB	6.1
GEC2	71.86	S	22:04:05.671				T__				m_e	
GEC2	71.86	P	21:54:46.442	0.0	16.5	6.05	TAS	111.1	1.20	a_e	MBB	6.1
GRA1	71.54	S	22:04:01.233				T__				m_e	
GRA1	71.54	P	21:54:44.742	0.3	16.5	6.05	TAS	345.7	1.40	a_e	MBB	6.4
GRA1	71.54	L	22:29:23.909				T__	4647.1	21.00	a_e	Ms	5.7
GTTG	69.98	P	21:54:35.042	0.1	16.5	6.05	TAS	104.7	1.26	a_e	MBB	5.9
IBBN	69.62	P	21:54:32.742	0.1	16.5	6.05	TAS	160.0	1.13	a_e	MBB	6.1
MOX	70.55	P	21:54:38.442	-0.1	16.5	6.05	TAS	149.3	1.27	m_e	MBB	6.0
NRDL	69.05	P	21:54:29.142	-0.2	16.5	6.05	TAS	58.1	1.17	a_e	MBB	5.8
RJOB	73.10	P	21:54:54.042	0.1	16.5	6.05	TAS	95.6	1.06	a_e	MBB	6.0
ROTZ	71.28	P	21:54:43.292	0.4	16.5	6.05	TAS	126.8	1.18	a_e	MBB	6.1
STU	72.79	P	21:54:51.642	-0.4	16.5	6.05	TAS	105.7	1.25	a_e	MBB	6.1
TANN	70.61	S	22:03:51.599				T__				m_e	
TANN	70.61	P	21:54:38.992	0.1	16.5	6.05	TAS	99.7	1.26	a_e	MBB	6.0
TNS	71.52	P	21:54:44.342	0.1	16.5	6.05	TAS	64.5	1.20	a_e	MBB	6.1
WET	71.74	S	22:04:07.277				T__				m_e	
WET	71.74	P	21:54:46.092	0.4	16.5	6.05	TAS	155.2	1.18	a_e	MBB	6.0
WLF	72.44	P	21:54:49.792	0.2	16.5	6.05	TAS	70.3	1.14	a_e	MBB	6.0

Event 10221003 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
2011/02/21	06:46:18.16		36.4660	136.3730				33.0						81.46	81.46	m i ke	BGR
10221009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10221009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.46		P	06:58:30.817		45.9		4.43		TAS		7.0	0.98	m_e mb	4.7

Event 10221006 South of Fiji Islands

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

2011/02/21 10:57:52.78 1.18 -26.1900 179.8700 580.3 0.3 17 276 152.62 156.93 m i ke BGR
10221012

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	155.06		PKPdf	11:16:41.056	0.1	27.7		1.50		TAS					m_e
AHRW	155.06		PKPab	11:17:07.078						T__					m_e
BFO	156.93		PKPab	11:17:16.304						T__					m_e
BRG	153.10		PKPdf	11:16:37.840	-0.4	27.7		1.50		TAS					m_e
BRG	153.10		pPKPdf	11:18:52.884						T__					m_e
BUG	154.16		PKPdf	11:16:39.617	0.2	27.7		1.50		TAS					m_e
BUG	154.16		PKPab	11:17:04.144						T__					m_e
CLL	152.99		PKPdf	11:16:37.417	0.3	27.7		1.50		TAS					m_e
CLL	152.99		PKPab	11:16:58.897						T__					m_e
CLZ	153.17		PKPdf	11:16:37.502	0.1	27.7		1.50		TAS					m_e
GEC2	154.94		PKPdf	11:16:40.210	-0.3	27.7		1.50		TAS					m_e
GTTG	153.54		PKPdf	11:16:38.179	0.2	27.7		1.50		TAS					m_e
GTTG	153.54		pPKPdf	11:18:53.341						T__					m_e
IBBN	153.25		PKPdf	11:16:38.433	-0.3	27.7		1.50		TAS					m_e
IBBN	153.25		PKPab	11:17:00.902						T__					m_e
MOX	153.97		PKPdf	11:16:39.025	-0.1	27.7		1.50		TAS					m_e
NRDL	152.62		PKPdf	11:16:37.163	-0.0	27.7		1.50		TAS					m_e
ROTZ	154.60		PKPdf	11:16:40.040	-0.1	27.7		1.50		TAS					m_e
STU	156.31		PKPdf	11:16:42.410		27.7		1.50		TAS					m_e
TANN	153.95		PKPdf	11:16:39.025	0.1	27.7		1.50		TAS					m_e
TNS	155.11		PKPdf	11:16:40.971	-0.1	27.7		1.50		TAS					m_e
TNS	155.11		PKPab	11:17:07.827						T__					m_e
WET	154.95		PKPdf	11:16:40.040	0.1	27.7		1.50		TAS					m_e
WLF	156.06		PKPdf	11:16:42.664		27.7		1.50		TAS					m_e
WLF	156.06		PKPab	11:17:12.548						T__					m_e

Event 10222001 Off east coast of South Island, New Zealand

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2011/02/21 23:51:39.84 -44.1500 174.4900 33.0 21 165.26 170.30 m i ke BGR
10222007

Magnitude Err Nsta Author OrigID
Ms 6.5 BGR 10222007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	169.34		PKPdf	00:11:45.918	-0.2	69.6		0.81		TAS					a_e
AHRW	169.34		PKPab	00:12:56.703	1.0	65.7		4.39		TAS					a_e
BFO	169.54		PKPdf	00:11:45.818	-0.2	69.6		0.81		TAS					a_e
BFO	169.54		PKPab	00:12:56.553		65.7		4.39		TAS					a_e

Magnitude	Err	Nsta	Author	OrigID														
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude			
GRA1	165.95		PKP	00:25:24.762		71.2		3.52		TAS								

Event 10222004 South Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
OrigID																		
2011/02/22	01:50:29.20		0.74	-43.5800	172.7300				9.6					273	165.92	165.92	m i ke	NEIC
10222066																		

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	10222010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.92		PKP	02:10:32.894		71.3		0.39		TAS					
GRA1	165.92		L	03:28:48.780						T__		991.7	21.80	a_e Ms	5.6

Event 10222005 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
OrigID																			
2011/02/22	02:10:24.19		0.74	16.8100	119.2700				33.0					16	273	86.45	91.48	m i ke	BGR
10222011																			

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10222011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	86.45		P	02:23:04.739	0.0	65.5		4.71		TAS		22.4	0.91	m_e mb	5.3
BSEG	87.26		P	02:23:08.454	-0.0	65.5		4.71		TAS		22.8	0.95	m_e mb	5.3
BUG	90.02		P	02:23:21.194		65.5		4.71		TAS		20.1	1.12	m_e mb	5.3
CLL	86.83		P	02:23:06.098	-0.4	65.5		4.71		TAS		17.9	1.09	m_e mb	5.1
CLZ	88.11		P	02:23:12.879	-0.3	65.5		4.71		TAS		12.8	1.07	m_e mb	5.2
GEC2	87.37		P	02:23:09.097	0.0	65.5		4.71		TAS		13.7	0.93	m_e mb	5.1
GRA1	88.52		P	02:23:14.617	-0.0	65.5		4.71		TAS		13.4	0.91	m_e mb	5.3
IBBN	89.36		P	02:23:18.242	0.2	65.5		4.71		TAS		27.4	1.09	m_e mb	5.4
NRDL	87.98		P	02:23:12.002	0.3	65.5		4.71		TAS		11.0	0.88	m_e mb	5.2
RJOB	88.35		P	02:23:13.361	0.1	65.5		4.71		TAS		17.3	1.02	m_e mb	5.3
ROTZ	87.90		P	02:23:12.005	-0.0	65.5		4.71		TAS		19.3	1.10	m_e mb	5.3
TANN	87.50		P	02:23:09.718	0.1	65.5		4.71		TAS		11.5	1.04	m_e mb	4.9
TNS	89.91		P	02:23:20.964		65.5		4.71		TAS				m_e	
WET	87.75		P	02:23:10.732		65.5		4.71		TAS		7.5	1.01	m_e mb	5.0

WLF 91.48 P 02:23:28.568 65.5 4.71 TAS 28.2 1.08 m_e mb 5.5

Event 10222006 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	02:37:30.60		0.74	-21.1500	167.6200				35.0				273	145.92	145.92	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	145.92		PKP	02:57:00.629		41.8		2.62		TAS				m_e	
GRA1	145.92		pPKP	02:57:09.924						T__				m_e	

Event 10222008 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/22	04:56:30.14		0.95	27.9010	128.7310				33.0				16	208	84.92	84.92	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	5.5		BGR	10222014
Ms	4.9		BGR	10222014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.92		P	05:09:00.996		59.8		4.66		TAS		36.1	1.03	m_e mb	5.5
GRA1	84.92		L	05:51:30.656						T__		586.0	21.70	a_e Ms	4.9

Event 10222009 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	08:24:37.20		0.95	-20.4000	168.3500				10.1				208	145.57	145.57	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	145.57		PKP	08:44:16.242		40.2		2.98		TAS				m_e	
GRA1	145.57		pPKP	08:44:24.454						T__				m_e	

Event 10222010 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	09:06:47.27		0.95	33.0520	53.3160				33.0				208	35.16	35.16	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10222016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	35.16		P	09:13:37.708		109.4		9.20		TAS		5.7	0.98	m_e mb	4.5

Event 10222011 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	09:11:45.80			39.0500	42.0500				10.0					24.31	24.31	m i ke	GSRC

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10222017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	24.31		P	09:17:05.702		104.2		9.61		TAS		20.8	1.07	m_e mb	4.6

Event 10222012 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	09:53:50.98			39.6790	141.5940				33.0					80.86	80.86	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10222018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.86		P	10:06:00.340		39.2		4.62		TAS		16.9	1.38	m_e mb	4.9

Event 10222013 Volcano Islands, Japan, region

./2011/bull1102.txt

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	14:09:49.00			22.1800	143.8400				93.5					97.02	97.02	m i ke	NEIC
10222067																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	97.02		PP	14:27:05.875						T__					m_e		

Event 10222015 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/22	18:15:53.00		0.49	38.9600	42.3200				4.2				136	24.53	24.53	m i ke	DDA
10222045																	

Magnitude Err Nsta Author OrigID

mb	5.2		BGR	10222021													
Ms	3.5		BGR	10222021													

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	24.53		P	18:21:13.991		104.1		10.21		TAS		61.7	1.15	m_e	mb	5.2	
GRA1	24.53		L	18:34:05.476						T__		164.0	19.00	a_e	Ms	3.5	

Event 10223001 Off coast of central America

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/23	03:01:56.23			12.8670	-88.1370				33.0					86.26	86.26	m i ke	BGR
10223007																	

Magnitude Err Nsta Author OrigID

mb	5.1		BGR	10223007													
Ms	5.2		BGR	10223007													

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	86.26		P	03:14:34.391		277.5		5.56		TAS		21.8	1.23	m_e	mb	5.1	
GRA1	86.26		L	03:47:42.172						T__		1143.7	21.80	a_e	Ms	5.2	

Event 10223002 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/02/23 05:29:17.30 5.18 0.87 33.8010 26.8210 131.2 81.2 117 10.0 10 347 17.93 22.01 m i ke BGR
 10223008

Magnitude Err Nsta Author OrigID
 mb 4.1 BGR 10223008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	20.05		P	05:33:50.521	0.8					T__					
BRG	19.49		P	05:33:44.920	1.6					T__		17.9	0.87	m_e mb	4.3
CLL	20.18		P	05:33:50.974	-0.2					T__				m_e	
GEC2	17.93		P	05:33:25.215	0.3					T__		9.7	0.77	m_e mb	4.0
GRA1	19.62		P	05:33:43.291	-1.6					T__		22.3	0.94	m_e mb	4.4
MOX	20.18		P	05:33:51.266	0.1					T__				m_e	
ROTZ	19.26		P	05:33:40.331	-0.4					T__		9.2	1.30	m_e mb	3.8
TANN	19.67		P	05:33:44.267	-1.1					T__		13.1	0.76	m_e mb	4.2
WET	18.50		P	05:33:32.193	0.4					T__		12.1	1.10	m_e mb	4.0
WLF	22.01		P	05:34:11.010	0.2					T__				m_e	

Event 10223003 Off east coast of Kamchatka Peninsula, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/23 06:48:33.45 0.87 52.1880 159.3830 33.0 347 74.96 74.96 m i ke BGR
 10223009

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 10223009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	74.96		P	07:00:09.683		20.3		5.14		TAS		7.7	0.95	m_e mb	4.7

Event 10223005 Near east coast of Kamchatka Peninsula, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/02/23 09:37:20.54 0.73 55.9970 162.4240 33.0 280 71.98 71.98 m i ke BGR
 10223011

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 10223011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	71.98		P	09:48:39.207		15.9		5.20		TAS		4.9	0.76	m_e mb	4.7

Event 10223008 Mongolia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/23	17:10:15.54		0.31	44.1730	100.2540				33.0				189	57.59	57.59	m i ke	BGR
OrigID 10223014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10223014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	57.59		P	17:20:00.919		62.6		6.63		TAS		12.5	1.11	m_e mb	4.7

Event 10223009 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/02/23	22:14:12.36		0.31	31.6500	140.6000				165.2				20	189	84.55	89.65	m i ke	BGR
OrigID 10223015																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10223015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.44		P	22:26:44.753	0.0	41.1		4.81		TAS		20.1	0.83	m_e mb	5.5
BFO	89.65		P	22:26:50.955		41.1		4.81		TAS		77.9	1.55	m_e mb	5.7
BRG	85.33		P	22:26:30.126	-0.1	41.1		4.81		TAS		40.7	1.16	m_e mb	5.5
BSEG	84.55		P	22:26:26.529	0.1	41.1		4.81		TAS		134.8	0.88	m_e mb	6.2
BUG	87.65		P	22:26:41.109	-0.3	41.1		4.81		TAS		67.2	1.54	m_e mb	5.7
CLL	85.42		P	22:26:30.318	-0.4	41.1		4.81		TAS		106.8	1.24	m_e mb	5.9
CLZ	86.11		P	22:26:34.155	0.2	41.1		4.81		TAS		61.4	0.96	m_e mb	5.7
FUR	88.51		P	22:26:45.569	0.2	41.1		4.81		TAS		36.1	0.68	m_e mb	5.8
GEC2	86.92		P	22:26:37.704	-0.2	41.1		4.81		TAS		12.4	1.05	m_e mb	5.0
GRA1	87.38		P	22:26:39.670	-0.5	41.1		4.81		TAS		110.5	1.64	m_e mb	5.7
GRA1	87.38		pP	22:27:20.884	-0.7					T__				m_e	
GRA1	87.38		PP	22:30:04.913						T__				m_e	
GTTG	86.50		P	22:26:36.121	0.3	41.1		4.81		TAS		71.1	1.38	m_e mb	5.6
IBBN	86.79		P	22:26:37.512	0.3	41.1		4.81		TAS		158.2	1.23	m_e mb	6.0
IBBN	86.79		PP	22:29:59.916						T__				m_e	
MOX	86.50		P	22:26:36.025	0.1	41.1		4.81		TAS		51.7	1.54	m_e mb	5.4
NRDL	85.72		P	22:26:31.900	-0.2	41.1		4.81		TAS		56.9	1.17	m_e mb	5.6
RJOB	88.14		P	22:26:44.082	0.3	41.1		4.81		TAS		15.7	0.62	m_e mb	5.5
ROTZ	86.90		P	22:26:38.471	0.7	41.1		4.81		TAS		114.1	1.95	m_e mb	5.7
STU	88.95		P	22:26:47.823	0.1	41.1		4.81		TAS		28.5	1.03	m_e mb	5.4
TANN	86.31		P	22:26:35.045	0.1	41.1		4.81		TAS		30.7	1.63	m_e mb	5.2

WET	87.07	P	22:26:38.471	-0.2	41.1	4.81	TAS	41.7	1.64	m_e	mb	5.3
WLF	89.49	P	22:26:50.365	-0.1	41.1	4.81	TAS	55.6	1.50	m_e	mb	5.6

Event 10224001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/24	03:01:17.28			-18.0600	-174.5900				124.5	6.2		20		145.44	149.79	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.57		PKPbc	03:20:45.912	0.2	9.7		2.80		TAS					m_e
BFO	149.72		PKPbc	03:20:51.440	-0.6	9.7		2.80		TAS					m_e
BRG	146.56		PKPbc	03:20:43.007	-0.4	9.7		2.80		TAS					m_e
BUG	146.66		PKPbc	03:20:43.007	0.2	9.7		2.80		TAS					m_e
CLL	146.28		PKPbc	03:20:42.152	-0.0	9.7		2.80		TAS					m_e
CLZ	146.06		PKPbc	03:20:41.802	-0.1	9.7		2.80		TAS					m_e
FUR	149.60		PKPbc	03:20:51.402	-0.4	9.7		2.80		TAS					m_e
GEC2	148.56		PKPbc	03:20:48.759	0.0	9.7		2.80		TAS					m_e
GRA1	148.10		PKPbc	03:20:47.748	0.0	9.7		2.80		TAS					m_e
GRA1	148.10		pPKPbc	03:21:19.865	0.2					T__					m_e
GTTG	146.39		PKPbc	03:20:42.502	-0.1	9.7		2.80		TAS					m_e
IBBN	145.78		PKPbc	03:20:40.831	0.2	9.7		2.80		TAS					m_e
MOX	147.12		PKPbc	03:20:44.717	0.1	9.7		2.80		TAS					m_e
NRDL	145.44		PKPbc	03:20:39.432	-0.1	9.7		2.80		TAS					m_e
RJOB	149.79		PKPbc	03:20:51.596		9.7		2.80		TAS					m_e
ROTZ	147.90		PKPbc	03:20:47.399	0.5	9.7		2.80		TAS					m_e
ROTZ	147.90		pPKPbc	03:21:20.011	0.2					T__					m_e
STU	149.21		PKPbc	03:20:50.430	-0.1	9.7		2.80		TAS					m_e
STU	149.21		pPKPbc	03:21:25.058	0.2					T__					m_e
TANN	147.23		PKPbc	03:20:44.989	-0.1	9.7		2.80		TAS					m_e
TNS	147.82		PKPbc	03:20:46.777	0.6	9.7		2.80		TAS					m_e
WET	148.41		PKPbc	03:20:48.254	0.5	9.7		2.80		TAS					m_e
WLF	148.47		PKPbc	03:20:49.070	-0.0	9.7		2.80		TAS					m_e

Event 10224005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/24	18:30:50.69		0.77	-19.6840	-177.4510				33.0			19	136	146.73	151.04	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.00		PKPbc	18:50:34.862	0.0	16.1		2.65		TAS				a_e	
BFO	151.04		PKPbc	18:50:39.762		16.1		2.65		TAS				a_e	
BRG	147.60		PKPbc	18:50:30.812	-0.1	16.1		2.65		TAS				a_e	
BUG	148.09		PKPbc	18:50:32.273	-0.2	16.1		2.65		TAS				m_e	
CLL	147.38		PKPbc	18:50:30.112	-0.2	16.1		2.65		TAS				a_e	
CLZ	147.33		PKPbc	18:50:30.262	0.1	16.1		2.65		TAS				a_e	
FUR	150.72		PKPbc	18:50:39.012	-0.3	16.1		2.65		TAS				a_e	
GEC2	149.55		PKPbc	18:50:36.112	0.3	16.1		2.65		TAS				m_e	
GRA1	149.27		PKPbc	18:50:35.612	0.3	16.1		2.65		TAS				a_e	
GTTG	147.67		PKPbc	18:50:31.112	0.0	16.1		2.65		TAS				a_e	
IBBN	147.19		PKPbc	18:50:29.812	-0.2	16.1		2.65		TAS				a_e	
MOX	148.28		PKPbc	18:50:33.088	0.4	16.1		2.65		TAS				m_e	
NRDL	146.73		PKPbc	18:50:28.262	-0.3	16.1		2.65		TAS				a_e	
RJOB	150.80		PKPbc	18:50:38.962	-0.1	16.1		2.65		TAS				a_e	
ROTZ	149.01		PKPbc	18:50:35.012	0.4	16.1		2.65		TAS				a_e	
STU	150.49		PKPbc	18:50:38.562	-0.5	16.1		2.65		TAS				a_e	
TANN	148.34		PKPbc	18:50:32.962	0.1	16.1		2.65		TAS				a_e	
TNS	149.17		PKPbc	18:50:35.262	0.1	16.1		2.65		TAS				a_e	
WLF	149.95		PKPbc	18:50:37.762	0.0	16.1		2.65		TAS				a_e	

Event 10225002 Bay of Campeche

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/25	13:07:38.95		0.29	19.8800	-94.0100				131.0	5.2		29	60	81.43	86.29	m i ke	BGR
OrigID 10225008																	

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 10225008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.67		P	13:19:43.026	-0.1	293.9		5.08		TAS		107.1	1.15	m_e mb	5.9
AHRW	81.67		pP	13:20:15.768						T__				m_e	
ASSE	83.16		P	13:19:49.803	-0.7	293.9		5.08		TAS				m_e	
BFO	83.25		P	13:19:49.873	-0.9	293.9		5.08		TAS				m_e	
BRG	85.54		P	13:20:03.346		293.9		5.08		TAS		17.1	1.10	m_e mb	5.1
BSEG	82.25		P	13:19:45.564	-0.2	293.9		5.08		TAS		98.0	0.99	m_e mb	5.9
BUG	81.46		P	13:19:41.264	0.4	293.9		5.08		TAS		58.3	1.18	m_e mb	5.5
CLL	84.82		P	13:19:59.166	0.2	293.9		5.08		TAS		64.7	1.76	m_e mb	5.6
CLZ	83.10		P	13:19:50.007	-0.5	293.9		5.08		TAS		70.8	1.17	m_e mb	5.8
FBE	85.19		P	13:20:00.242		293.9		5.08		TAS		125.5	1.95	m_e mb	5.8
FLT1	83.40		P	13:19:50.533	1.4	293.9		5.08		TAS		59.7	1.19	m_e mb	5.7
FLT1	83.40		pP	13:20:23.952						T__				m_e	
GEC2	86.29		P	13:20:06.234		293.9		5.08		TAS		19.0	1.18	m_e mb	5.1
GRA1	84.46		P	13:19:57.242	0.5	293.9		5.08		TAS		107.9	1.53	m_e mb	5.8

GRA1	84.46	pP	13:20:30.460							T__				m_e		
GTTG	82.99	P	13:19:48.971	0.0	293.9		5.08			TAS	87.7	1.11	m_e	mb		5.9
GUNZ	84.84	P	13:19:58.929	-0.3	293.9		5.08			TAS	47.0	1.31	m_e	mb		5.6
IBBN	81.43	P	13:19:41.625	-0.4	293.9		5.08			TAS	108.8	1.10	m_e	mb		5.8
MANZ	84.86	P	13:19:57.786	1.0	293.9		5.08			TAS	35.1	1.29	m_e	mb		5.4
MOX	84.30	P	13:19:55.415	0.1	293.9		5.08			TAS	58.9	1.40	m_e	mb		5.6
MOX	84.30	pP	13:20:28.843							T__				m_e		
NEUB	84.17	P	13:19:56.083	0.4	293.9		5.08			TAS	66.6	1.20	m_e	mb		5.7
NRDL	82.70	P	13:19:48.331	-0.4	293.9		5.08			TAS	80.3	1.12	m_e	mb		5.9
NRDL	82.70	pP	13:20:20.832							T__				m_e		
PLN	84.68	P	13:19:58.041	0.2	293.9		5.08			TAS	126.0	2.03	m_e	mb		5.8
RJOB	86.23	P	13:20:05.201		293.9		5.08			TAS	26.3	1.31	m_e	mb		5.2
ROTZ	85.01	P	13:19:59.837	0.1	293.9		5.08			TAS	41.2	1.41	m_e	mb		5.5
ROTZ	85.01	pP	13:20:33.533							T__				m_e		
STU	83.61	P	13:19:53.897	0.7	293.9		5.08			TAS	115.4	1.23	m_e	mb		6.0
TANN	84.89	P	13:19:59.678	-0.4	293.9		5.08			TAS	53.3	1.41	m_e	mb		5.6
TANN	84.89	pP	13:20:31.626							T__				m_e		
TNS	82.61	P	13:19:47.161	0.4	293.9		5.08			TAS	129.8	1.05	m_e	mb		6.1
WERD	84.79	P	13:19:57.958		293.9		5.08			TAS	46.7	1.48	m_e	mb		5.5
WERD	84.79	pP	13:20:32.078							T__				m_e		
WERN	84.89	P	13:19:59.282		293.9		5.08			TAS	66.2	1.39	m_e	mb		5.7
WET	85.68	P	13:20:02.619		293.9		5.08			TAS	26.6	1.14	m_e	mb		5.3
WLF	81.43	P	13:19:41.610	0.1	293.9		5.08			TAS	124.4	1.45	m_e	mb		5.7

Event 10225004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/25	19:12:23.69		0.55	34.6000	142.3300				33.0			13	223	82.57	87.79	m i ke	BGR
10225010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10225010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	87.79		P	19:25:09.552		38.0		4.99		TAS		2.5	0.79	m_e	mb	4.6
BRG	83.53		P	19:24:46.965	-1.8	38.0		4.99		TAS		1.9	0.65	m_e	mb	4.5
BSEG	82.57		P	19:24:43.946	0.2	38.0		4.99		TAS		6.7	0.94	m_e	mb	4.9
CLL	83.58		P	19:24:48.868	-0.1	38.0		4.99		TAS		9.1	1.11	m_e	mb	4.9
CLZ	84.20		P	19:24:52.469	0.3	38.0		4.99		TAS		3.3	0.80	m_e	mb	4.6
GEC2	85.17		P	19:24:56.611	0.3	38.0		4.99		TAS		2.4	0.78	m_e	mb	4.5
GRA1	85.55		P	19:24:59.532	-0.4	38.0		4.99		TAS		10.6	0.93	m_e	mb	5.0
MOX	84.65		P	19:24:54.593	-0.4	38.0		4.99		TAS		2.1	0.76	m_e	mb	4.4
RJOB	86.41		P	19:25:03.494		38.0		4.99		TAS		4.2	0.78	m_e	mb	4.6
ROTZ	85.09		P	19:24:57.399	0.7	38.0		4.99		TAS		3.2	0.82	m_e	mb	4.6
TANN	84.48		P	19:24:53.842	0.3	38.0		4.99		TAS		1.6	0.89	m_e	mb	4.2
WET	85.29		P	19:24:57.960	-0.6	38.0		4.99		TAS		2.2	0.90	m_e	mb	4.4

WLF 87.54 P 19:25:08.035 38.0 4.99 TAS 6.0 0.94 m_e mb 4.9

Event 10226001 Vanuatu Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/02/26 01:03:45.09 0.55 -20.6880 169.7420 33.0 18 223 m i ke BGR
10226007

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 10226001.

Event 10226002 Off east coast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/02/26 14:41:00.08 0.55 38.5040 144.0100 29.9 1.5 15 223 m i ke BGR
10226008

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 10226008

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 10226002.

BRG	pP	14:53:18.169							T__				m_e	
BSEG	P	14:53:03.550	0.1	35.4		5.22			TAS	15.4	0.95	m_e mb		5.0
BSEG	pP	14:53:11.765							T__				m_e	
BUG	P	14:53:19.521	0.2	35.4		5.22			TAS	7.9	0.91	m_e mb		4.9
CLL	P	14:53:09.202	-0.4	35.4		5.22			TAS	16.2	0.98	m_e mb		5.0
CLL	pP	14:53:18.012							T__				m_e	
CLZ	P	14:53:12.680	-0.1	35.4		5.22			TAS	22.0	1.18	m_e mb		5.1
GEC2	P	14:53:18.171	0.1	35.4		5.22			TAS	3.8	0.88	m_e mb		4.5
GRA1	P	14:53:20.411	-0.2	35.4		5.22			TAS	17.1	0.86	m_e mb		5.3
GRA1	pP	14:53:28.791							T__				m_e	
GTTG	P	14:53:14.384	0.0	35.4		5.22			TAS	10.1	1.00	m_e mb		4.9
IBBN	P	14:53:15.069	0.4	35.4		5.22			TAS	10.1	0.81	m_e mb		5.0
MOX	P	14:53:15.126	0.0	35.4		5.22			TAS	5.8	1.01	m_e mb		4.7
RJOB	P	14:53:25.177		35.4		5.22			TAS	15.2	0.94	m_e mb		5.2
RJOB	pP	14:53:34.093							T__				m_e	
ROTZ	P	14:53:18.092	-0.3	35.4		5.22			TAS	5.0	0.90	m_e mb		4.6
ROTZ	pP	14:53:26.590							T__				m_e	
TANN	P	14:53:14.320	-0.0	35.4		5.22			TAS	2.6	0.82	m_e mb		4.4
WET	P	14:53:19.065	0.5	35.4		5.22			TAS	6.2	0.99	m_e mb		4.7

Event 10226003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/26	15:38:46.33		0.55	37.7670	142.5120				33.0			20	223				m i ke BGR
OrigID																	
10226009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10226009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW			P	15:51:10.311	0.1	36.8		5.20		TAS		39.6	0.96	m_e mb	5.6
BFO			P	15:51:17.039		36.8		5.20		TAS		84.8	0.97	m_e mb	5.9
BRG			P	15:50:55.227	-0.2	36.8		5.20		TAS		45.9	1.03	m_e mb	5.4
BSEG			P	15:50:49.864	0.0	36.8		5.20		TAS		66.1	1.01	m_e mb	5.5
CLL			P	15:50:55.119	-0.5	36.8		5.20		TAS		79.5	1.01	m_e mb	5.7
CLZ			P	15:50:58.890	0.3	36.8		5.20		TAS		85.6	1.14	m_e mb	5.7
FUR			P	15:51:12.254	0.1	36.8		5.20		TAS		109.0	1.09	m_e mb	6.0
GEC2			P	15:51:03.936	-0.2	36.8		5.20		TAS		40.9	1.24	m_e mb	5.5
GRA1			P	15:51:06.328	0.5	36.8		5.20		TAS		97.7	1.10	m_e mb	5.9
GTTG			P	15:51:00.680	0.1	36.8		5.20		TAS		62.3	1.06	m_e mb	5.7
IBBN			P	15:51:01.529	0.1	36.8		5.20		TAS		84.7	1.08	m_e mb	5.8
MOX			P	15:51:01.071	-0.0	36.8		5.20		TAS		67.0	1.54	m_e mb	5.5
NRDL			P	15:50:56.222	-0.1	36.8		5.20		TAS		39.6	1.11	m_e mb	5.4
RJOB			P	15:51:10.755	0.1	36.8		5.20		TAS		59.7	1.01	m_e mb	5.8
ROTZ			P	15:51:03.936	0.4	36.8		5.20		TAS		96.6	1.53	m_e mb	5.7
STU			P	15:51:13.635	-0.2	36.8		5.20		TAS		77.0	1.00	m_e mb	5.9

TANN	P	15:51:00.197	-0.1	36.8	5.20	TAS	56.2	1.79	m_e	mb	5.4
TNS	P	15:51:09.056	-0.0	36.8	5.20	TAS	19.4	0.84	m_e	mb	5.4
WET	P	15:51:04.848	0.1	36.8	5.20	TAS	51.2	1.25	m_e	mb	5.6

Event 10226004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/26	16:03:15.33		0.55	-15.3130	-176.6350				360.0				12 223			m i ke	BGR
	10226010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO			PKPbc	16:22:14.861		13.3		3.11		TAS				m_e	
BRG			PKPbc	16:22:04.820	0.5	13.3		3.11		TAS				m_e	
BUG			PKPbc	16:22:05.801	0.2	13.3		3.11		TAS				m_e	
CLL			PKPbc	16:22:03.780	-0.2	13.3		3.11		TAS				m_e	
GEC2			PKPbc	16:22:11.227		13.3		3.11		TAS				m_e	
GTTG			PKPbc	16:22:04.743	0.4	13.3		3.11		TAS				m_e	
MOX			PKPbc	16:22:06.582	0.1	13.3		3.11		TAS				m_e	
RJOB			PKPbc	16:22:14.749		13.3		3.11		TAS				m_e	
ROTZ			PKPbc	16:22:09.622	-0.4	13.3		3.11		TAS				m_e	
TANN			PKPbc	16:22:07.426	0.3	13.3		3.11		TAS				m_e	
TNS			PKPbc	16:22:09.648		13.3		3.11		TAS				m_e	
WLF			PKPbc	16:22:12.213		13.3		3.11		TAS				m_e	

Event 10226005 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
2011/02/26	20:38:15.51	6.33	1.06	38.3740	138.5640	404.7	303.5	98	33.0				11 354			m i ke	BGR
	10226011																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO			P	20:50:35.689		39.2		5.36		TAS		6.9	0.94	m_e	mb	4.9
BRG			P	20:50:13.006	-0.5	39.2		5.36		TAS		5.8	0.98	m_e	mb	4.6
BSEG			P	20:50:08.584	0.1	39.2		5.36		TAS		22.9	1.24	m_e	mb	5.2
CLL			P	20:50:13.447	-0.4	39.2		5.36		TAS		6.4	0.95	m_e	mb	4.6
CLZ			P	20:50:18.471	1.3	39.2		5.36		TAS		11.3	1.09	m_e	mb	4.7
GEC2			P	20:50:21.593	-0.8	39.2		5.36		TAS		2.3	0.90	m_e	mb	4.1
IBBN			P	20:50:18.995	-0.2	39.2		5.36		TAS		10.7	1.03	m_e	mb	4.7

NRDL	P	20:50:15.509	0.5	39.2	5.36	TAS	21.0	1.37	m_e mb	5.0
RJOB	P	20:50:28.672		39.2	5.36	TAS	3.1	0.85	m_e mb	4.5
ROTZ	P	20:50:22.834	1.2	39.2	5.36	TAS	3.9	1.04	m_e mb	4.3
STU	P	20:50:33.940		39.2	5.36	TAS	9.5	1.01	m_e mb	4.9

Event 10228001 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/28	07:48:50.65		18.84	34.0260	26.8260				33.0			20	308	17.29	23.07	m i ke	BGR
OrigID 10228007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10228007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.93		P	07:53:41.597	-0.4	137.9		10.92		TAS		44.1	0.67	m_e mb	5.0
BFO	19.88		P	07:53:18.223	0.5	137.9		10.92		TAS		19.0	0.72	m_e mb	4.4
BRG	19.29		P	07:53:12.956	1.6	137.9		10.92		TAS		13.6	0.79	m_e mb	4.2
BSEG	23.07		P	07:53:51.759		137.9		10.92		TAS		62.9	0.74	m_e mb	5.2
BUG	22.45		P	07:53:45.962	-1.2	137.9		10.92		TAS		32.6	0.86	m_e mb	4.8
CLL	19.98		P	07:53:19.767	-0.0	137.9		10.92		TAS		27.2	0.84	m_e mb	4.5
CLZ	21.41		P	07:53:35.947	0.9	137.9		10.92		TAS		16.1	0.73	m_e mb	4.4
FUR	18.30		P	07:53:01.579	0.1	137.9		10.92		TAS		25.6	0.73	m_e mb	4.4
GEC2	17.74		P	07:52:55.313	-0.1	137.9		10.92		TAS		17.3	0.68	m_e mb	4.3
GRA1	19.43		P	07:53:14.662	0.6	137.9		10.92		TAS		42.0	0.75	m_e mb	4.7
GTTG	21.35		P	07:53:35.135	0.5	137.9		10.92		TAS		145.3	1.25	m_e mb	5.2
IBBN	22.84		P	07:53:50.095	-0.8	137.9		10.92		TAS		29.7	0.74	m_e mb	4.9
MOX	19.99		P	07:53:20.458	0.6	137.9		10.92		TAS		21.6	0.85	m_e mb	4.4
NRDL	22.02		P	07:53:41.531	-1.0	137.9		10.92		TAS		24.6	0.85	m_e mb	4.7
RJOB	17.29		P	07:52:48.460	-2.1	137.9		10.92		TAS		13.7	0.67	m_e mb	4.2
ROTZ	19.07		P	07:53:08.823	-1.2	137.9		10.92		TAS		8.2	0.74	m_e mb	4.0
TANN	19.47		P	07:53:15.192	1.0	137.9		10.92		TAS		30.6	0.91	m_e mb	4.5
TNS	21.07		P	07:53:31.706	0.2	137.9		10.92		TAS		42.6	0.66	m_e mb	4.9
WET	18.31		P	07:53:01.278	-0.5	137.9		10.92		TAS		11.9	0.66	m_e mb	4.2
WLF	21.83		P	07:53:39.739	0.7	137.9		10.92		TAS		42.5	0.79	m_e mb	4.9

Event 10228002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/28	13:05:38.13		18.84	47.3200	151.3220				33.0			20	308	73.84	79.44	m i ke	BGR
OrigID 10228008																	

Magnitude	Err	Nsta	Author	OrigID
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mb 5.5 BGR 10228008
 Ms 4.4 BGR 10228008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.76		P	13:17:29.913	-0.0	26.5		5.62		TAS		70.5	1.12	m_e	mb 5.7
BFO	79.44		P	13:17:38.932		26.5		5.62		TAS		44.6	1.09	m_e	mb 5.4
BRG	75.54		P	13:17:17.148	-0.3	26.5		5.62		TAS		23.4	1.19	m_e	mb 5.2
BSEG	73.84		P	13:17:07.874	0.0	26.5		5.62		TAS		31.2	0.99	m_e	mb 5.3
BUG	76.89		P	13:17:24.926	-0.1	26.5		5.62		TAS		43.7	1.13	m_e	mb 5.5
CLL	75.43		P	13:17:16.447	-0.5	26.5		5.62		TAS		57.6	1.08	m_e	mb 5.5
CLZ	75.70		P	13:17:18.690	0.3	26.5		5.62		TAS		78.2	1.23	m_e	mb 5.7
FUR	78.74		P	13:17:35.664	0.1	26.5		5.62		TAS		83.4	1.12	m_e	mb 5.7
GEC2	77.40		P	13:17:27.829	-0.1	26.5		5.62		TAS		29.2	1.25	m_e	mb 5.3
GRA1	77.39		P	13:17:28.325	0.4	26.5		5.62		TAS		78.1	1.11	m_e	mb 5.7
GTTG	76.08		P	13:17:20.638	0.1	26.5		5.62		TAS		57.0	1.38	m_e	mb 5.5
IBBN	75.97		P	13:17:20.242	0.4	26.5		5.62		TAS		48.1	0.94	m_e	mb 5.6
MOX	76.42		L	13:50:55.754						T__		186.4	20.70	a_e	Ms 4.4
MOX	76.42		P	13:17:22.429	-0.1	26.5		5.62		TAS		36.3	1.14	m_e	mb 5.4
NRDL	75.19		P	13:17:15.304	-0.2	26.5		5.62		TAS		32.9	1.01	m_e	mb 5.3
RJOB	78.66		P	13:17:35.346	0.3	26.5		5.62		TAS		28.0	0.97	m_e	mb 5.3
ROTZ	77.03		P	13:17:26.168	0.2	26.5		5.62		TAS		33.4	1.00	m_e	mb 5.4
STU	78.80		P	13:17:35.609	-0.5	26.5		5.62		TAS		48.3	1.16	m_e	mb 5.4
TANN	76.38		P	13:17:22.185	-0.1	26.5		5.62		TAS		44.0	1.67	m_e	mb 5.3
TNS	77.69		P	13:17:29.539	-0.0	26.5		5.62		TAS		38.6	1.01	m_e	mb 5.5
WET	77.39		P	13:17:28.250	0.3	26.5		5.62		TAS		54.9	1.11	m_e	mb 5.6

Event 10228003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/02/28	23:22:32.86		18.84	-22.7940	-177.7760				600.0			13	308			m i ke	BGR
	10228009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG			PKPbc	23:41:18.052	0.1	18.0		2.26		TAS				m_e	
BSEG			PKPbc	23:41:12.643	-0.4	18.0		2.26		TAS				m_e	
BSEG			PKPab	23:41:16.620		18.0		2.26		TAS				m_e	
CLL			PKPbc	23:41:17.478	-0.1	18.0		2.26		TAS				m_e	
CLL			PKPab	23:41:24.385	-0.5	18.0		2.26		TAS				m_e	
CLZ			PKPbc	23:41:17.969	0.4	18.0		2.26		TAS				m_e	
FUR			PKPab	23:41:39.205		18.0		2.26		TAS				m_e	
GEC2			PKPbc	23:41:22.120		18.0		2.26		TAS				m_e	
GEC2			PKPab	23:41:33.218		18.0		2.26		TAS				m_e	
GTTG			PKPbc	23:41:18.434	0.1	18.0		2.26		TAS				m_e	
IBBN			PKPbc	23:41:17.525	-0.0	18.0		2.26		TAS				m_e	

MOX	PKPbc	23:41:19.678	0.2	18.0	2.26	TAS	m_e
NRDL	PKPbc	23:41:16.143	-0.1	18.0	2.26	TAS	m_e
RJOB	PKPab	23:41:39.456		18.0	2.26	TAS	m_e
ROTZ	PKPbc	23:41:21.368	0.3	18.0	2.26	TAS	m_e
STU	PKPbc	23:41:24.263		18.0	2.26	TAS	m_e
TANN	PKPbc	23:41:19.903	0.2	18.0	2.26	TAS	m_e
TANN	PKPab	23:41:28.848		18.0	2.26	TAS	m_e
TNS	PKPbc	23:41:22.096	-0.4	18.0	2.26	TAS	m_e
TNS	PKPab	23:41:32.813		18.0	2.26	TAS	m_e
WET	PKPab	23:41:33.362		18.0	2.26	TAS	m_e

Format description

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(T. Plenefisch, Email: plene@szgrf.bgr.de)

In general all regional and teleseismic events clearly recorded with stations of the Gräfenberg-Array (GRF) and stronger events recorded with stations of the German Regional Seismological Network (GRSN) are included in this bulletin. Each event is reported by an EPICENTER LINE, a REGION LINE and a block of PHASE LINES.

EPICENTER LINE:

Date	Date of the event
Origin Time	Origin time of the event
Lat	Geographic latitude (N/S) of epicenter in degree
Long	Geographic longitude (E/W) of epicenter in degree
Depth	Depth of the hypocenter beneath the surface in kilometer
	Appended flag indicates the method by which the depth was determined:
	BLANK - free
	N - preset depth of 33 kilometer
	G - geophysicist preset depth
mb, Ms, ML	Magnitudes of the event and magnitude type
Source	Abbreviations for the authority (e.g. SZGRF, NEIC, SED, MAD)

REGION LINE:

The region name of the epicenter location.

PHASE LINE:

Sta	Station code of the reported phase
Phase	Preceded flag for the sharpness of the onset of the phase
	e - emergent
	i - impulsive
	w - weak
	ISC phase code
	Component where the phase was picked

Time	Arrival time of the reported phase
Dist	Distance from the epicenter location to the station in degree
BAz	Backazimuth from the epicenter location to the station in degree
T[s]	Phase Period
A[nm]	Phase Amplitude
mb	Body wave magnitude
MS	Surface wave magnitude
ML	Local Richter magnitude