

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

(produced by SZGRF/BGR - HANNOVER)

November 2010 UPDATED 20.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	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
1101001	2010/11/01	05:16:40.90			-6.5300	150.2500				54.3		0	0		122.73	126.58	m i	NEIC

Magnitude	Err	Nsta	Author
Ms	5.3	2	BGR

OrigID
1101007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	124.42		PKPdf	05:35:34.298		52.7		1.88		TAS				m_e	
WERN	124.01		PKPdf	05:35:33.555		52.7		1.88		TAS				m_e	
WERD	123.95		PKPdf	05:35:33.322		52.7		1.88		TAS				m_e	
TNS	126.03		PKPdf	05:35:37.405		52.7		1.88		TAS				m_e	
TANN	123.89		PKPdf	05:35:33.130		52.7		1.88		TAS				m_e	
STU	126.58		PKPdf	05:35:38.336		52.7		1.88		TAS				m_e	
ROTZ	124.41		PKPdf	05:35:34.021		52.7		1.88		TAS				m_e	
RJOB	125.27		PKPdf	05:35:35.281		52.7		1.88		TAS				m_e	
PLN	124.01		PKPdf	05:35:33.336		52.7		1.88		TAS				m_e	
NRDL	123.76		PKPdf	05:35:33.171		52.7		1.88		TAS				m_e	
MOX	124.19		L	06:30:48.517						T__		706.7	20.90	m_e Ms	5.3
MANZ	124.33		PKPdf	05:35:33.966		52.7		1.88		TAS				m_e	
IBBN	124.97		PKPdf	05:35:35.322		52.7		1.88		TAS				m_e	
GUNZ	123.99		PKPdf	05:35:33.528		52.7		1.88		TAS				m_e	
GRA1	124.97		PKPdf	05:35:35.035		52.7		1.88		TAS				m_e	
GRA1	124.97		L	06:31:22.475						T__		770.3	20.00	m_e Ms	5.4
GEC2	124.15		PKPdf	05:35:33.623		52.7		1.88		TAS				m_e	
FLT1	123.33		PKPdf	05:35:31.769		52.7		1.88		TAS				m_e	
FBE	123.14		PKPdf	05:35:31.925		52.7		1.88		TAS				m_e	
CLZ	124.05		PKPdf	05:35:33.802		52.7		1.88		TAS				m_e	
CLL	123.09		PKPdf	05:35:31.431		52.7		1.88		TAS				m_e	

BUG	125.78	PKPdf	05:35:36.679	52.7	1.88	TAS	m_e
BSEG	122.73	PKPdf	05:35:31.157	52.7	1.88	TAS	m_e
BRG	122.86	PKPdf	05:35:31.198	52.7	1.88	TAS	m_e

Event 1101011 Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/01	23:16:49.24			16.1930	-92.1180				175.1		0	0		83.06	87.99	m i	SZGRF
OrigID 1101046																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7	30	BGR	1101017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	87.38		P	23:29:15.662		290.5		4.89		TAS		140.5	2.27	m_e mb	5.7
WERN	86.66		P	23:29:12.079		290.5		4.89		TAS		76.7	1.84	m_e mb	5.5
WERN	86.66		pP	23:29:55.469						T__				m_e	
WERD	86.56		pP	23:29:54.963						T__				m_e	
WERD	86.56		P	23:29:11.330		290.5		4.89		TAS		101.2	2.09	m_e mb	5.6
TNS	84.30		P	23:29:00.750		290.5		4.89		TAS		142.5	1.98	m_e mb	5.9
TANN	86.66		pP	23:29:55.539						T__				m_e	
TANN	86.66		P	23:29:12.010		290.5		4.89		TAS		99.3	2.12	m_e mb	5.6
STU	85.23		P	23:29:05.235		290.5		4.89		TAS		188.1	2.30	m_e mb	5.9
RJOB	87.85		pP	23:30:01.376						T__				m_e	
ROTZ	86.74		P	23:29:12.717		290.5		4.89		TAS		139.5	2.46	m_e mb	5.7
RJOB	87.85		P	23:29:17.648		290.5		4.89		TAS		54.3	1.89	m_e mb	5.6
PLN	86.45		pP	23:29:54.428						T__				m_e	
PLN	86.45		P	23:29:11.033		290.5		4.89		TAS		136.3	2.09	m_e mb	5.7
NEUB	85.97		pP	23:29:51.982						T__				m_e	
NRDL	84.55		P	23:29:01.751		290.5		4.89		TAS		162.6	2.06	m_e mb	5.9
NEUB	85.97		P	23:29:08.442		290.5		4.89		TAS		135.7	1.96	m_e mb	5.7
MOX	86.07		P	23:29:09.019		290.5		4.89		TAS		182.6	2.37	m_e mb	5.8
MANZ	86.60		P	23:29:11.882		290.5		4.89		TAS		96.7	2.29	m_e mb	5.5
IBBN	83.25		P	23:28:55.011		290.5		4.89		TAS		172.0	2.05	m_e mb	5.9
GUNZ	86.60		pP	23:29:55.151						T__				m_e	
GUNZ	86.60		P	23:29:11.797		290.5		4.89		TAS		122.9	2.21	m_e mb	5.6
GTTG	84.79		P	23:29:02.770		290.5		4.89		TAS		159.1	2.17	m_e mb	5.9
GRA1	86.17		P	23:29:09.929		290.5		4.89		TAS		115.6	1.98	m_e mb	5.7
GEC2	87.99		P	23:29:17.997		290.5		4.89		TAS		58.0	2.08	m_e mb	5.5
FLT1	85.26		pP	23:29:47.617						T__				m_e	
FUR	86.74		P	23:29:12.392		290.5		4.89		TAS		129.3	2.35	m_e mb	5.6
FLT1	85.26		P	23:29:04.639		290.5		4.89		TAS		141.0	1.90	m_e mb	5.9
FBE	87.00		P	23:29:13.525		290.5		4.89		TAS		69.1	1.71	m_e mb	5.5
CLZ	84.93		pP	23:29:46.469						T__				m_e	
CLZ	84.93		P	23:29:03.811		290.5		4.89		TAS		204.8	2.51	m_e mb	5.9
CLL	86.65		P	23:29:11.542		290.5		4.89		TAS		147.1	2.26	m_e mb	5.7

BUG	83.22	P	23:28:54.968	290.5	4.89	TAS	90.4	2.00	m_e	mb	5.7
BSEG	84.19	P	23:28:59.840	290.5	4.89	TAS	164.4	1.85	m_e	mb	5.9
BRG	87.36	P	23:29:15.067	290.5	4.89	TAS	23.8	1.34	m_e	mb	5.1
BFO	84.83	P	23:29:02.431	290.5	4.89	TAS	165.4	2.93	m_e	mb	5.8
ASSE	85.00	pP	23:29:47.256			T__				m_e	
ASSE	85.00	P	23:29:03.874	290.5	4.89	TAS	196.0	1.98	m_e	mb	6.0
AHRW	83.37	P	23:28:56.230	290.5	4.89	TAS	53.7	1.51	m_e	mb	5.6
WLF	83.06	P	23:28:53.831	290.5	4.89	TAS	197.1	2.69	m_e	mb	5.9

Event 1102001 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/02	06:39:55.60			-5.3780	151.5450				41.0		0	0		122.28	126.06	m i	NEIC
	1102083																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6	2	BGR	1102007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WET	124.14		PKPdf	06:58:49.060		52.0		1.92		TAS				m_e		
WERN	123.69		pPKPdf	06:59:01.402						T__				m_e		
WERN	123.69		PKPdf	06:58:48.381		52.0		1.92		TAS				m_e		
WERD	123.62		pPKPdf	06:59:01.221						T__				m_e		
WERD	123.62		PKPdf	06:58:47.948		52.0		1.92		TAS				m_e		
TNS	125.65		PKPdf	06:58:52.148		52.0		1.92		TAS				m_e		
TANN	123.57		pPKPdf	06:59:01.011						T__				m_e		
TANN	123.57		PKPdf	06:58:47.948		52.0		1.92		TAS				m_e		
ROTZ	124.10		PKPdf	06:58:48.824		52.0		1.92		TAS				m_e		
RJOB	125.03		pPKPdf	06:59:03.426						T__				m_e		
RJOB	125.03		PKPdf	06:58:50.357		52.0		1.92		TAS				m_e		
PLN	123.67		pPKPdf	06:59:01.255						T__				m_e		
PLN	123.67		PKPdf	06:58:48.134		52.0		1.92		TAS				m_e		
NRDL	123.34		pPKPdf	06:59:00.899						T__				m_e		
NRDL	123.34		PKPdf	06:58:47.774		52.0		1.92		TAS				m_e		
MOX	123.84		pPKPdf	06:59:01.402						T__				m_e		
MOX	123.84		PKPdf	06:58:48.144		52.0		1.92		TAS				m_e		
MOX	123.84		L	07:53:39.219						T__		1430.8	21.70	m_e	Ms	5.6
MANZ	124.01		pPKPdf	06:59:01.989						T__				m_e		
MANZ	124.01		PKPdf	06:58:48.998		52.0		1.92		TAS				m_e		
IBBN	124.52		pPKPdf	06:59:02.986						T__				m_e		
IBBN	124.52		PKPdf	06:58:49.925		52.0		1.92		TAS				m_e		
GUNZ	123.66		pPKPdf	06:59:01.263						T__				m_e		
GUNZ	123.66		PKPdf	06:58:48.442		52.0		1.92		TAS				m_e		
GTTG	124.05		pPKPdf	06:59:02.104						T__				m_e		
GRA1	124.64		L	07:53:29.338						T__		1441.4	21.80	m_e	Ms	5.6
GTTG	124.05		PKPdf	06:58:49.010		52.0		1.92		TAS				m_e		

GEC2	123.88	pPKPdf	06:59:01.621							T__						m_e
GEC2	123.88	PKPdf	06:58:48.515	52.0				1.92		TAS						m_e
FLT1	122.94	pPKPdf	06:58:59.624							T__						m_e
FLT1	122.94	PKPdf	06:58:46.528	52.0				1.92		TAS						m_e
FBE	122.81	pPKPdf	06:58:59.834							T__						m_e
FBE	122.81	PKPdf	06:58:46.785	52.0				1.92		TAS						m_e
CLZ	123.66	pPKPdf	06:59:01.558							T__						m_e
CLZ	123.66	PKPdf	06:58:48.504	52.0				1.92		TAS						m_e
CLL	122.74	pPKPdf	06:58:59.309							T__						m_e
CLL	122.74	PKPdf	06:58:46.290	52.0				1.92		TAS						m_e
BUG	125.35	pPKPdf	06:59:04.453							T__						m_e
BSEG	122.28	pPKPdf	06:58:58.865							T__						m_e
BSEG	122.28	PKPdf	06:58:45.724	52.0				1.92		TAS						m_e
BRG	122.54	pPKPdf	06:58:59.183							T__						m_e
BRG	122.54	PKPdf	06:58:46.095	52.0				1.92		TAS						m_e
AHRW	126.06	PKPdf	06:58:53.089	52.0				1.92		TAS						m_e
WET	124.14	pPKPdf	06:59:02.293							T__						m_e

Event 1102008 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/02	21:30:04.61			37.6200	72.3100				33.0		0	0		42.77	47.89	m i	SZGRF
OrigID 1102043																	

Magnitude Err Nsta Author

mb 4.5 19 BGR OrigID 1102014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	47.89		P	21:38:39.572		82.3		7.92		TAS		13.2	0.85	m_e mb	5.1
WERD	43.85		P	21:38:07.721		82.3		7.92		TAS		5.7	0.80	m_e mb	4.4
TNS	46.33		P	21:38:27.107		82.3		7.92		TAS		5.5	0.90	m_e mb	4.6
TANN	43.75		P	21:38:06.978		82.3		7.92		TAS		3.0	0.89	m_e mb	4.0
ROTZ	44.00		P	21:38:09.299		82.3		7.92		TAS		4.9	0.95	m_e mb	4.2
RJOB	43.91		P	21:38:08.697		82.3		7.92		TAS		5.1	0.79	m_e mb	4.3
PLN	43.94		P	21:38:08.357		82.3		7.92		TAS		4.5	0.89	m_e mb	4.2
NRDL	44.98		P	21:38:17.370		82.3		7.92		TAS		8.9	0.87	m_e mb	4.7
NEUB	44.10		P	21:38:09.672		82.3		7.92		TAS		10.9	0.77	m_e mb	4.7
MOX	44.26		P	21:38:11.047		82.3		7.92		TAS		4.9	0.83	m_e mb	4.3
MANZ	44.03		P	21:38:09.399		82.3		7.92		TAS		5.9	0.98	m_e mb	4.3
IBBN	46.43		P	21:38:28.549		82.3		7.92		TAS		11.5	0.89	m_e mb	4.9
GUNZ	43.84		P	21:38:07.755		82.3		7.92		TAS		5.5	0.91	m_e mb	4.3
GTTG	45.18		P	21:38:18.583		82.3		7.92		TAS		13.0	0.85	m_e mb	4.9
FLT1	44.31		P	21:38:11.261		82.3		7.92		TAS		20.4	0.84	m_e mb	4.9
FBE	43.13		P	21:38:02.372		82.3		7.92		TAS		14.2	0.86	m_e mb	4.7
CLL	43.32		P	21:38:03.178		82.3		7.92		TAS		6.1	0.77	m_e mb	4.4
BUG	46.86		P	21:38:31.613		82.3		7.92		TAS		7.5	0.86	m_e mb	4.8

BRG 42.77 P 21:37:59.144 82.3 7.92 TAS 8.0 0.78 m_e mb 4.5

Event 1102009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/02	23:08:11.90			-19.2100	168.5500				82.8		0	0		142.76	146.82	m i	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	146.50		PKPbc	23:27:45.398		38.9		3.38		TAS					m_e
WET	144.30		PKPbc	23:27:38.132		38.9		3.38		TAS					m_e
WERN	143.65		PKPbc	23:27:35.753		38.9		3.38		TAS					m_e
WERD	143.56		PKPbc	23:27:35.342		38.9		3.38		TAS					m_e
TNS	145.23		PKPbc	23:27:41.016		38.9		3.38		TAS					m_e
TANN	143.52		PKPbc	23:27:35.208		38.9		3.38		TAS					m_e
STU	146.13		PKPbc	23:27:43.989		38.9		3.38		TAS					m_e
ROTZ	144.12		PKPbc	23:27:37.536		38.9		3.38		TAS					m_e
PLN	143.59		PKPbc	23:27:35.499		38.9		3.38		TAS					m_e
NEUB	143.19		PKPbc	23:27:33.789		38.9		3.38		TAS					m_e
MOX	143.69		PKPbc	23:27:35.484		38.9		3.38		TAS					m_e
MANZ	144.00		PKPbc	23:27:36.743		38.9		3.38		TAS					m_e
IBBN	143.72		PKPbc	23:27:35.449		38.9		3.38		TAS					m_e
GUNZ	143.61		PKPbc	23:27:35.689		38.9		3.38		TAS					m_e
GTTG	143.59		PKPbc	23:27:35.339		38.9		3.38		TAS					m_e
GRA1	144.59		PKPbc	23:27:39.167		38.9		3.38		TAS					m_e
GEC2	144.16		PKPbc	23:27:37.287		38.9		3.38		TAS					m_e
FUR	145.74		PKPbc	23:27:43.063		38.9		3.38		TAS					m_e
FBE	142.76		PKPbc	23:27:34.729		38.9		3.38		TAS					m_e
BUG	144.61		PKPbc	23:27:38.217		38.9		3.38		TAS					m_e
BFO	146.82		PKPbc	23:27:46.740		38.9		3.38		TAS					m_e
AHRW	145.44		PKPbc	23:27:41.687		38.9		3.38		TAS					m_e

Event 1103001 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/03	00:56:52.67			43.6120	21.2690				10.0		35	25		5.44	12.02	m i	SZGRF

Magnitude Err Nsta Author OrigID
ML 5.7 BGR 1103007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	7.70		Sn	01:00:03.235						T__				m_e	
WTTA	7.70		Pn	00:58:42.964						T__				m_e	
WLF	12.02		Pn	00:59:41.800						T__				m_e	
WET	8.01		Pn	00:58:46.339						T__				m_e	
WERN	9.03		Pn	00:59:00.027						T__				m_e	
WERD	9.17		Pn	00:59:01.729						T__				m_e	
TNS	10.97		Sn	01:01:20.662						T__				m_e	
TNS	10.97		Pn	00:59:26.672						T__				m_e	
TANN	9.08		Pn	00:59:00.607						T__				m_e	
STU	9.83		Sn	01:00:50.219						T__				m_e	
STU	9.83		Pn	00:59:10.999						T__				m_e	
ROTZ	8.75		Pn	00:58:56.267						T__				m_e	
RJOB	7.23		Sn	00:59:51.832						T__				m_e	
RJOB	7.23		Pn	00:58:35.848						T__				m_e	
PLN	9.27		Pn	00:59:03.383						T__				m_e	
OBKA	5.57		Pn	00:58:12.492						T__				m_e	
MOX	9.63		Pn	00:59:08.179						T__				m_e	
MOA	6.48		Sn	00:59:32.265						T__				m_e	
MOA	6.48		Pn	00:58:25.566						T__				m_e	
MANZ	8.95		Pn	00:58:59.752						T__				m_e	
GUNZ	9.10		Pn	00:59:00.938						T__				m_e	
GRA1	9.20		Pn	00:59:01.798						T__				m_e	
GEC2	7.41		Pn	00:58:38.562						T__				m_e	
FUR	8.32		Sn	01:00:16.373						T__				m_e	
FUR	8.32		Pn	00:58:50.402						T__				m_e	
FLT1	11.00		Pn	00:59:27.784						T__				m_e	
DAVA	8.81		Sn	01:00:28.354						T__				m_e	
DAVA	8.81		Pn	00:58:57.655						T__				m_e	
CLL	9.51		Pn	00:59:08.218						T__				m_e	
BFO	10.17		Sn	01:00:59.307						T__				m_e	
BFO	10.17		Pn	00:59:14.134						T__				m_e	
ARSA	5.44		Sn	00:59:06.338						T__				m_e	
ARSA	5.44		Pn	00:58:10.563						T__				m_e	ML 5.7
AHRW	11.89		Sn	01:01:42.803						T__				m_e	
AHRW	11.89		Pn	00:59:39.546						T__				m_e	

Event 1103007 Tyrrhenian Sea
 Date 2010/11/03 18:13:10.70
 Time 18:13:10.70
 Err
 RMS 40.0300
 Latitude 13.1960
 Longitude
 Smaj
 Smin
 Az 467.7
 Depth
 Err
 Ndef 26
 Nsta 19
 Gap
 mdist 6.55
 Mdist 11.97
 Qual m i
 Author INFO

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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WLF	10.85	P	18:15:37.526	171.0	10.69	TAS	38.3	0.78	m_e
WET	9.12	S	18:17:00.207			T__			m_e
TNS	10.73	P	18:15:36.771	171.0	10.69	TAS	130.1	0.73	m_e
WET	9.12	P	18:15:18.529	171.0	10.69	TAS	133.1	1.12	m_e
TANN	10.40	P	18:15:33.345	171.0	10.69	TAS	254.3	0.83	m_e
STU	9.19	P	18:15:19.985	171.0	10.69	TAS	114.1	0.62	m_e
RJOB	7.71	P	18:15:03.733	171.0	10.69	TAS	167.0	0.55	m_e
OBKA	6.55	P	18:14:51.242	171.0	10.69	TAS	302.6	0.76	m_e
OBKA	6.55	S	18:16:12.803			T__			m_e
MOX	10.67	P	18:15:36.227	171.0	10.69	TAS	291.0	0.86	m_e
MOA	7.86	P	18:15:05.848	171.0	10.69	TAS	363.5	0.77	m_e
GRA1	9.76	P	18:15:25.956	171.0	10.69	TAS	298.1	0.65	m_e
GEC2	8.82	S	18:16:55.803			T__			m_e
GEC2	8.82	P	18:15:15.495	171.0	10.69	TAS	178.7	1.02	m_e
FUR	8.25	S	18:16:44.862			T__			m_e
FUR	8.25	P	18:15:08.806	171.0	10.69	TAS	290.3	1.30	m_e
DAVA	7.64	P	18:15:01.946	171.0	10.69	TAS	54.6	0.72	m_e
CLZ	11.97	P	18:15:50.034	171.0	10.69	TAS	175.1	0.74	m_e
CLL	11.28	P	18:15:42.898	171.0	10.69	TAS	500.2	1.17	m_e
BRG	10.86	P	18:15:38.030	171.0	10.69	TAS			m_e
BFO	9.00	S	18:16:54.959			T__			m_e
BFO	9.00	P	18:15:16.160	171.0	10.69	TAS	46.9	0.64	m_e
ARSA	7.41	S	18:16:28.360			T__			m_e
ARSA	7.41	P	18:15:00.937	171.0	10.69	TAS	312.5	1.11	m_e
WTTA	7.32	P	18:14:59.951	171.0	10.69	TAS	310.7	0.79	m_e
WTTA	7.32	S	18:16:28.501			T__			m_e

Event 1103008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/03	23:34:41.80			-21.7200	-173.5700			33.0		0	0			146.81	153.54	m i	SZGRF
	1103043																

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0	2	BGR	1103014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	152.11		PKPdf	23:54:28.689		9.5		1.60		TAS					m_e
WLF	152.11		PKPbc	23:54:34.590		8.4		2.58		TAS					m_e
WET	152.16		PKPdf	23:54:28.339		9.5		1.60		TAS					m_e
WET	152.16		PKPbc	23:54:34.019		8.4		2.58		TAS					m_e
WERN	151.11		PKPdf	23:54:26.869		9.5		1.60		TAS					m_e
WERN	151.11		PKPbc	23:54:31.978		8.4		2.58		TAS					m_e
WERD	150.96		PKPdf	23:54:26.379		9.5		1.60		TAS					m_e
WERD	150.96		PKPbc	23:54:31.406		8.4		2.58		TAS					m_e
TNS	151.51		PKPdf	23:54:27.569		9.5		1.60		TAS					m_e

TNS	151.51	PKPbc	23:54:32.631	8.4	2.58	TAS			m_e	
TANN	150.97	PKPdf	23:54:26.449	9.5	1.60	TAS			m_e	
TANN	150.97	PKPbc	23:54:31.570	8.4	2.58	TAS			m_e	
STU	152.92	PKPdf	23:54:29.529	9.5	1.60	TAS			m_e	
STU	152.92	PKPbc	23:54:35.896	8.4	2.58	TAS			m_e	
RUE	148.78	PKPbc	23:54:25.284	8.4	2.58	TAS			m_e	
ROTZ	151.64	PKPdf	23:54:27.359	9.5	1.60	TAS			m_e	
ROTZ	151.64	PKPbc	23:54:33.121	8.4	2.58	TAS			m_e	
RJOB	153.54	PKPbc	23:54:37.202	8.4	2.58	TAS			m_e	
RGN	146.81	PKPbc	23:54:19.570	8.4	2.58	TAS			m_e	
PLN	150.94	PKPdf	23:54:26.379	9.5	1.60	TAS			m_e	
PLN	150.94	PKPbc	23:54:31.243	8.4	2.58	TAS			m_e	
NRDL	149.15	PKPbc	23:54:26.162	8.4	2.58	TAS			m_e	
NEUB	150.29	PKPdf	23:54:25.398	9.5	1.60	TAS			m_e	
NEUB	150.29	PKPbc	23:54:29.447	8.4	2.58	TAS			m_e	
MOX	150.85	PKPdf	23:54:26.099	9.5	1.60	TAS			m_e	
MOX	150.85	PKPbc	23:54:30.812	8.4	2.58	TAS			m_e	
MOX	150.85	L	01:01:44.373			T__	2211.7	21.40	m_e Ms	5.9
MANZ	151.44	PKPdf	23:54:27.079	9.5	1.60	TAS			m_e	
MANZ	151.44	PKPbc	23:54:32.468	8.4	2.58	TAS			m_e	
IBBN	149.45	PKPdf	23:54:24.278	9.5	1.60	TAS			m_e	
IBBN	149.45	PKPbc	23:54:27.407	8.4	2.58	TAS			m_e	
HLG	147.57	PKPbc	23:54:22.264	8.4	2.58	TAS			m_e	
GUNZ	151.04	PKPdf	23:54:26.729	9.5	1.60	TAS			m_e	
GUNZ	151.04	PKPbc	23:54:31.651	8.4	2.58	TAS			m_e	
GTTG	150.10	PKPbc	23:54:28.876	8.4	2.58	TAS			m_e	
GRA1	151.83	PKPdf	23:54:27.919	9.5	1.60	TAS			m_e	
GRA1	151.83	PKPbc	23:54:33.529	8.4	2.58	TAS			m_e	
GRA1	151.83	L	01:03:15.473			T__	2981.1	21.00	m_e Ms	6.1
GEC2	152.32	PKPdf	23:54:28.479	9.5	1.60	TAS			m_e	
GEC2	152.32	PKPbc	23:54:34.345	8.4	2.58	TAS			m_e	
FUR	153.33	PKPdf	23:54:29.879	9.5	1.60	TAS			m_e	
FUR	153.33	PKPbc	23:54:36.794	8.4	2.58	TAS			m_e	
FLT1	149.22	PKPdf	23:54:23.158	9.5	1.60	TAS			m_e	
FLT1	149.22	PKPbc	23:54:26.345	8.4	2.58	TAS			m_e	
FBE	150.35	PKPdf	23:54:25.749	9.5	1.60	TAS			m_e	
FBE	150.35	PKPbc	23:54:29.937	8.4	2.58	TAS			m_e	
CLZ	149.78	PKPdf	23:54:24.558	9.5	1.60	TAS			m_e	
CLZ	149.78	PKPbc	23:54:28.468	8.4	2.58	TAS			m_e	
CLL	150.03	PKPdf	23:54:24.838	9.5	1.60	TAS			m_e	
CLL	150.03	PKPbc	23:54:28.794	8.4	2.58	TAS			m_e	
BUG	150.33	PKPdf	23:54:25.258	9.5	1.60	TAS			m_e	
BUG	150.33	PKPbc	23:54:29.447	8.4	2.58	TAS			m_e	
BSEG	147.70	PKPbc	23:54:22.509	8.4	2.58	TAS			m_e	
BRG	150.31	PKPdf	23:54:25.469	9.5	1.60	TAS			m_e	
BRG	150.31	PKPbc	23:54:29.611	8.4	2.58	TAS			m_e	
BFO	153.41	PKPbc	23:54:36.768	8.4	2.58	TAS			m_e	
ASSE	149.47	PKPdf	23:54:23.928	9.5	1.60	TAS			m_e	
ASSE	149.47	PKPbc	23:54:27.386	8.4	2.58	TAS			m_e	

AHRW	151.23	PKPdf	23:54:27.009	9.5	1.60	TAS	m_e
AHRW	151.23	PKPbc	23:54:31.955	8.4	2.58	TAS	m_e

Event 1104001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/04	01:05:48.90			51.2800	-176.4500				53.8		0	0		77.61	79.19	m i	NEIC
OrigID																	
1104063																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2	8	BGR	1104007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	78.53		P	01:17:44.880		4.9		5.88		TAS		19.4	1.57	m_e mb	4.9
TNS	78.79		P	01:17:47.793		4.9		5.88		TAS		33.7	1.90	m_e mb	5.0
TANN	78.40		P	01:17:45.608		4.9		5.88		TAS		26.9	1.83	m_e mb	5.1
ROTZ	79.06		P	01:17:49.647		4.9		5.88		TAS		51.9	2.29	m_e mb	5.2
GRA1	79.19		P	01:17:50.243		4.9		5.88		TAS		81.0	2.03	m_e mb	5.4
FBE	77.84		P	01:17:42.349		4.9		5.88		TAS		41.7	1.84	m_e mb	5.3
BUG	77.61		P	01:17:40.973		4.9		5.88		TAS		51.5	1.93	m_e mb	5.3
AHRW	78.51		P	01:17:46.469		4.9		5.88		TAS		75.2	2.01	m_e mb	5.4

Event 1104005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/04	12:29:28.18			11.5280	-44.6160				21.4		0	0		57.18	61.48	m i	SZGRF
OrigID																	
1104040																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5	28	BGR	1104011
Ms	5.0	2	BGR	1104011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	60.29		P	12:39:35.606		250.3		6.91		TAS		56.6	1.75	m_e mb	5.3
WERN	60.34		pP	12:39:42.142						T__				m_e	
WERN	60.34		P	12:39:36.442		250.3		6.91		TAS		108.9	1.64	m_e mb	5.6
WERD	60.35		P	12:39:36.208		250.3		6.91		TAS		81.0	1.92	m_e mb	5.4
WERD	60.35		pP	12:39:41.783						T__				m_e	
TNS	57.96		pP	12:39:25.326						T__				m_e	
TANN	60.44		pP	12:39:42.522						T__				m_e	
TNS	57.96		P	12:39:19.499		250.3		6.91		TAS		76.8	1.69	m_e mb	5.5
TANN	60.44		P	12:39:36.760		250.3		6.91		TAS		82.8	1.68	m_e mb	5.5
STU	57.88		P	12:39:18.576		250.3		6.91		TAS		141.6	1.93	m_e mb	5.7

OrigID
 2010/11/05 01:17:24.40 -17.6500 167.6700 32.0 0 0 142.83 142.83 m i NEIC
 1105063

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	142.83		PKPbc	01:36:50.758		39.1		2.75		TAS					m_e

Event 1105002 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/05	05:39:16.73			43.2560	20.9650				10.0		8	5		7.28	11.05	m i	SZGRF

OrigID
1105037

Magnitude Err Nsta Author OrigID
 ML 4.2 BGR 1105008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	8.13		Pn	05:41:11.249						T__					m_e
TNS	11.05		Sn	05:43:44.656						T__					m_e
TNS	11.05		Pn	05:41:51.970						T__					m_e
RJOB	7.28		Sn	05:42:16.641						T__					m_e
RJOB	7.28		Pn	05:41:00.870						T__					m_e ML 4.2
GEC2	7.53		Pn	05:41:04.259						T__					m_e
BFO	10.18		Sn	05:43:23.513						T__					m_e
BFO	10.18		Pn	05:41:39.889						T__					m_e

Event 1105006 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/05	16:40:41.60			12.7700	123.0400				35.5		0	0		93.93	93.93	m i	NEIC

OrigID
1105068

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.93		P	16:53:56.095		65.2		4.27		TAS					m_e

Event 1105007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/05	16:57:43.68			-20.1480	170.0630				33.0		0	0		143.90	145.97	m i	SZGRF
OrigID 1105042																	

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
WET	145.79		PKPbc	17:17:18.899		37.3		3.17		TAS				m_e	
WERN	145.11		PKPbc	17:17:17.142		37.3		3.17		TAS				m_e	
WERD	145.01		PKPbc	17:17:16.697		37.3		3.17		TAS				m_e	
TANN	144.98		PKPbc	17:17:16.577		37.3		3.17		TAS				m_e	
ROTZ	145.59		PKPbc	17:17:18.483		37.3		3.17		TAS				m_e	
PLN	145.04		PKPbc	17:17:16.721		37.3		3.17		TAS				m_e	
NRDL	144.16		PKPbc	17:17:13.866		37.3		3.17		TAS				m_e	
NEUB	144.63		PKPbc	17:17:15.417		37.3		3.17		TAS				m_e	
MOX	145.13		PKPbc	17:17:16.742		37.3		3.17		TAS				m_e	
MANZ	145.45		PKPbc	17:17:18.047		37.3		3.17		TAS				m_e	
GUNZ	145.07		PKPbc	17:17:17.042		37.3		3.17		TAS				m_e	
GTTG	145.00		PKPbc	17:17:16.617		37.3		3.17		TAS				m_e	
GEC2	145.66		PKPbc	17:17:18.478		37.3		3.17		TAS				m_e	
FLT1	143.90		PKPbc	17:17:12.860		37.3		3.17		TAS				m_e	
FBE	144.22		PKPbc	17:17:14.568		37.3		3.17		TAS				m_e	
CLZ	144.61		PKPbc	17:17:15.627		37.3		3.17		TAS				m_e	
CLL	144.06		PKPbc	17:17:13.501		37.3		3.17		TAS				m_e	
BUG	145.97		PKPbc	17:17:20.236		37.3		3.17		TAS				m_e	
BRG	144.02		PKPbc	17:17:13.631		37.3		3.17		TAS				m_e	
ASSE	144.26		PKPbc	17:17:14.265		37.3		3.17		TAS				m_e	

Event 1106002 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/06	02:12:49.67			36.4150	87.1770				33.0		0	0		54.79	54.79	m i	SZGRF
OrigID 1106037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8	1	BGR	1106008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	54.79		P	02:22:15.357		77.2		6.47		TAS		10.9	1.12	m_e mb	4.8

Event 1106003 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2010/11/06 03:52:22.50 33.3500 48.8900 24.4 0 0 32.18 32.18 m i NEIC
 1106066

Magnitude Err Nsta Author OrigID
 mb 4.5 1 BGR 1106009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 32.18 P 03:58:46.919 106.2 9.78 TAS 8.0 1.13 m_e mb 4.5

Event 1106006 Kuril Islands, Russia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/11/06 20:57:10.70 46.5700 149.7400 165.9 0 0 75.26 79.02 m i NEIC
 1106068

Magnitude Err Nsta Author OrigID
 mb 5.3 22 BGR 1106012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 TNS 77.94 P 21:08:50.412 27.9 5.74 TAS 29.7 1.29 m_e mb 5.3
 WERN 76.72 P 21:08:43.682 27.9 5.74 TAS 80.4 2.10 m_e mb 5.5
 WET 77.56 P 21:08:48.775 27.9 5.74 TAS 29.2 1.26 m_e mb 5.3
 WERD 76.60 X 21:08:48.770 T__ m_e
 TNS 77.94 X 21:08:54.917 T__ m_e
 WERD 76.60 P 21:08:42.863 27.9 5.74 TAS 66.6 2.03 m_e mb 5.4
 TANN 76.58 X 21:08:49.006 T__ m_e
 TANN 76.58 P 21:08:42.772 27.9 5.74 TAS 20.7 1.39 m_e mb 5.1
 STU 79.02 X 21:09:00.469 T__ m_e
 STU 79.02 P 21:08:56.259 27.9 5.74 TAS 29.6 1.10 m_e mb 5.2
 ROTZ 77.23 X 21:08:52.377 T__ m_e
 ROTZ 77.23 P 21:08:46.865 27.9 5.74 TAS 32.1 1.21 m_e mb 5.3
 RJOB 78.82 P 21:08:55.770 27.9 5.74 TAS m_e
 PLN 76.61 X 21:08:49.045 T__ m_e
 PLN 76.61 P 21:08:42.908 27.9 5.74 TAS 31.3 1.75 m_e mb 5.2
 NRDL 75.44 X 21:08:42.778 T__ m_e
 NRDL 75.44 P 21:08:36.223 27.9 5.74 TAS 20.0 1.42 m_e mb 4.9
 NEUB 76.10 X 21:08:46.448 T__ m_e
 NEUB 76.10 P 21:08:39.816 27.9 5.74 TAS 32.5 1.06 m_e mb 5.4
 MOX 76.64 X 21:08:48.940 T__ m_e
 MOX 76.64 P 21:08:43.090 27.9 5.74 TAS 19.3 1.28 m_e mb 5.1
 MANZ 77.07 X 21:08:51.327 T__ m_e
 MANZ 77.07 P 21:08:45.546 27.9 5.74 TAS 17.7 1.23 m_e mb 5.1
 IBBN 76.25 X 21:08:46.671 T__ m_e
 GUNZ 76.67 X 21:08:49.486 T__ m_e
 GUNZ 76.67 P 21:08:43.318 27.9 5.74 TAS 28.6 1.17 m_e mb 5.3

GTTG	76.32	X	21:08:47.320						T__								m_e
GTTG	76.32	P	21:08:41.362	27.9	5.74				TAS	35.9	1.29	m_e mb					5.3
GRA1	77.60	X	21:08:54.229						T__								m_e
GRA1	77.60	P	21:08:48.957	27.9	5.74				TAS	59.7	1.29	m_e mb					5.6
GEC2	77.56	P	21:08:48.275	27.9	5.74				TAS			m_e					
FUR	78.93	X	21:09:00.578						T__								m_e
FUR	78.93	P	21:08:56.178	27.9	5.74				TAS	58.7	1.39	m_e mb					5.4
FLT1	75.26	X	21:08:41.781						T__								m_e
FBE	75.86	X	21:08:45.512						T__								m_e
FBE	75.86	P	21:08:38.724	27.9	5.74				TAS	25.3	0.97	m_e mb					5.3
CLZ	75.94	X	21:08:45.912						T__								m_e
CLZ	75.94	P	21:08:39.316	27.9	5.74				TAS	24.4	1.09	m_e mb					5.3
CLL	75.63	X	21:08:43.827						T__								m_e
CLL	75.63	P	21:08:36.905	27.9	5.74				TAS	28.9	1.20	m_e mb					5.3
BUG	77.17	P	21:08:45.773	27.9	5.74				TAS	52.5	1.64	m_e mb					5.4
BRG	75.72	X	21:08:44.765						T__								m_e
BRG	75.72	P	21:08:37.497	27.9	5.74				TAS	28.3	1.73	m_e mb					5.1
ASSE	75.60	X	21:08:43.833						T__								m_e
ASSE	75.60	P	21:08:37.006	27.9	5.74				TAS	23.0	1.20	m_e mb					5.2
AHRW	78.03	P	21:08:51.049	27.9	5.74				TAS			m_e					

Event 1107001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/07	11:31:21.50		1.35	-22.3200	-179.6600				622.5			14	347	148.89	151.43	m i ke	NEIC
	1107064																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.19		PKP	11:50:01.104	0.2	21.4		2.35		TAS					m_e
BRG	149.58		PKP	11:50:02.358	-0.1	21.4		2.35		TAS					m_e
CLL	149.43		PKP	11:50:01.827	0.0	21.4		2.35		TAS					m_e
CLZ	149.52		PKP	11:50:02.262	-0.1	21.4		2.35		TAS					m_e
FBE	149.70		PKP	11:50:02.840	-0.1	21.4		2.35		TAS					m_e
FLT1	148.89		PKP	11:50:00.139	0.0	21.4		2.35		TAS					m_e
GTTG	149.88		PKP	11:50:02.840	-0.1	21.4		2.35		TAS					m_e
MANZ	150.87		PKP	11:50:05.204		21.4		2.35		TAS					m_e
MOX	150.38		PKP	11:50:03.950		21.4		2.35		TAS					m_e
NEUB	149.83		PKP	11:50:02.792	0.0	21.4		2.35		TAS					m_e
PLN	150.40		PKP	11:50:04.143		21.4		2.35		TAS					m_e
TANN	150.39		PKP	11:50:04.191		21.4		2.35		TAS					m_e
TNS	151.43		PKP	11:50:06.314		21.4		2.35		TAS					m_e
WERD	150.40		PKP	11:50:04.191		21.4		2.35		TAS					m_e

Event 1107002 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/07	14:19:51.70		1.35	-3.6200	99.6400				29.9				347	91.71	91.71	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	91.71		PcP	14:32:57.406		106.4		4.32		TAS					m_e

Event 1109002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2010/11/09	05:18:09.70		1.31	-18.6100	-177.7200				587.7				12	158	144.20	149.63	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
BRG	146.50		PKPbc	05:36:46.092		16.2		2.67		TAS					m_e
BSEG	144.20		PKPbc	05:36:39.228	-0.2	16.2		2.67		TAS					m_e
CLL	146.29		PKPbc	05:36:45.333	-0.4	16.2		2.67		TAS					m_e
CLZ	146.23		PKPbc	05:36:45.504	0.0	16.2		2.67		TAS					m_e
FBE	146.58		PKPbc	05:36:46.672	-0.3	16.2		2.67		TAS					m_e
FLT1	145.62		PKPbc	05:36:43.219	-0.1	16.2		2.67		TAS					m_e
FUR	149.63		PKPbc	05:36:54.023		16.2		2.67		TAS					m_e
GEC2	148.45		PKPbc	05:36:51.128		16.2		2.67		TAS					m_e
MANZ	147.72		PKPbc	05:36:49.455		16.2		2.67		TAS					m_e
MOX	147.18		PKPbc	05:36:47.715		16.2		2.67		TAS					m_e
NRDL	145.63		PKPbc	05:36:43.408	0.5	16.2		2.67		TAS					m_e
ROTZ	147.91		PKPbc	05:36:50.001		16.2		2.67		TAS					m_e

Event 1109008 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/09	13:05:06.40		0.57	-14.9400	-173.7700				28.7				111	145.10	145.10	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	145.10		PKPdf	13:24:41.848		8.5		2.92		TAS					m_e

Event 1109009 Western Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/09	18:23:36.50	1.02	1.35	42.1640	6.5140	23.3	17.8	137	10.0				9 319	5.66	9.18	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	1109015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	6.30		Sn	18:26:12.328	-1.0					T__				m_e	
BFO	6.30		Pn	18:25:06.173	-1.1					T__				m_e	ML 4.1
DAVA	5.66		Sn	18:26:00.589	2.3					T__				m_e	
DAVA	5.66		Pn	18:24:59.673	1.0					T__				m_e	ML 4.3
GEC2	8.37		Sn	18:26:59.634	-2.0					T__				m_e	
GEC2	8.37		Pn	18:25:34.131	-1.1					T__				m_e	ML 4.3
MOA	7.90		Sn	18:26:51.389	0.6					T__				m_e	
MOA	7.90		Pn	18:25:29.590	0.7					T__				m_e	
MOX	9.18		Sn	18:27:21.680	1.1					T__				m_e	
OBKA	7.21		Sn	18:26:34.075	-0.6					T__				m_e	
TNS	8.17		Pn	18:25:32.476	-0.0					T__				m_e	
WET	8.28		Sn	18:26:57.365	-2.2					T__				m_e	
WET	8.28		Pn	18:25:33.065	-0.9					T__				m_e	ML 4.2
WTTA	6.27		Sn	18:26:14.380	1.7					T__				m_e	
WTTA	6.27		Pn	18:25:08.542	1.6					T__				m_e	ML 4.3

Event 1110001 Southeast Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/10	04:05:24.40			-45.5300	96.3900				10.7					120.16	120.16	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	120.16		PKPdf	04:24:18.095		125.9		2.24		TAS				m_e	

Event 1110002 Mindoro, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/10	10:30:08.34		0.65	13.3760	121.2090				30.0				13 243	90.30	94.66	m i ke	BGR
OrigID 1110008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	1110008
Ms	5.4		BGR	1110008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	94.66		P	10:43:25.625		66.2		4.61		TAS		24.5	1.39	m_e	mb 5.4
BRG	90.30		P	10:43:05.803	-0.3	66.2		4.61		TAS		26.1	1.51	m_e	mb 5.2
BSEG	91.14		P	10:43:09.702	0.1	66.2		4.61		TAS		25.1	1.23	m_e	mb 5.4
CLL	90.68		P	10:43:07.390	0.1	66.2		4.61		TAS		11.8	1.06	m_e	mb 5.1
FBE	90.62		P	10:43:07.484	-0.1	66.2		4.61		TAS		23.2	1.17	m_e	mb 5.4
GEC2	91.19		P	10:43:10.169	0.2	66.2		4.61		TAS		30.5	1.77	m_e	mb 5.3
GRA1	92.36		P	10:43:15.567		66.2		4.61		TAS		102.9	2.24	m_e	mb 5.8
GRA1	92.36		L	11:26:11.115						T__		1563.9	18.40	a_e	Ms 5.5
IBBN	93.23		P	10:43:19.773		66.2		4.61		TAS		55.9	1.86	m_e	mb 5.7
MANZ	91.72		P	10:43:12.471	0.2	66.2		4.61		TAS		16.9	1.40	m_e	mb 5.2
MOX	91.75		L	11:25:41.773						T__		1272.9	18.00	a_e	Ms 5.4
PLN	91.49		P	10:43:11.518		66.2		4.61		TAS		44.0	1.83	m_e	mb 5.5
ROTZ	91.75		P	10:43:12.947	-0.5	66.2		4.61		TAS		23.6	1.47	m_e	mb 5.3
TNS	93.77		P	10:43:22.126		66.2		4.61		TAS		30.0	1.50	m_e	mb 5.4
WET	91.58		P	10:43:12.074	0.1	66.2		4.61		TAS		12.1	1.28	m_e	mb 5.1

Event 1110003 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/10	13:49:13.61		0.72	26.9790	55.5420				30.0				18 193	38.93	43.64	m i ke	BGR
OrigID 1110009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	1110009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	41.83		P	13:56:59.737	-0.2	107.2		8.25		TAS		22.6	1.07	m_e	mb 4.8
BRG	39.47		P	13:56:40.081	-0.5	107.2		8.25		TAS		11.5	0.87	m_e	mb 4.5
BSEG	42.65		P	13:57:05.808		107.2		8.25		TAS		14.4	1.00	m_e	mb 4.7
BUG	43.64		P	13:57:15.030		107.2		8.25		TAS		39.0	1.08	m_e	mb 5.1
CLL	40.18		P	13:56:46.095	0.3	107.2		8.25		TAS		21.6	0.97	m_e	mb 4.7
CLZ	41.91		P	13:57:00.859	-0.1	107.2		8.25		TAS		35.5	0.93	m_e	mb 5.1
FLT1	41.57		P	13:56:57.341	0.1	107.2		8.25		TAS		51.5	0.94	m_e	mb 5.2
GEC2	38.93		P	13:56:36.385	0.1	107.2		8.25		TAS		16.2	0.83	m_e	mb 4.7
GRA1	40.73		P	13:56:51.534	-0.1	107.2		8.25		TAS		40.0	0.90	m_e	mb 5.1

IBBN	43.59	P	13:57:14.283	107.2	8.25	TAS	33.7	0.94	m_e	mb	5.1
MOX	40.78	P	13:56:51.287	0.2 107.2	8.25	TAS	9.6	1.20	m_e	mb	4.4
NRDL	42.27	P	13:57:03.663	107.2	8.25	TAS	23.9	0.92	m_e	mb	4.9
RGN	41.25	P	13:56:54.233	0.2 107.2	8.25	TAS	57.4	0.69	m_e	mb	5.4
RJOB	39.17	P	13:56:38.711	0.6 107.2	8.25	TAS	38.3	0.93	m_e	mb	5.0
ROTZ	40.15	P	13:56:46.603	-0.2 107.2	8.25	TAS	23.4	1.02	m_e	mb	4.8
RUE	40.17	P	13:56:45.597	-0.3 107.2	8.25	TAS	34.7	0.48	m_e	mb	5.3
TNS	42.60	P	13:57:06.771	107.2	8.25	TAS	26.2	1.06	m_e	mb	4.9
WET	39.53	P	13:56:40.906	-0.4 107.2	8.25	TAS	12.2	0.91	m_e	mb	4.5

Event 1110004 Southeastern Uzbekistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/10	20:42:33.03		0.72	40.6600	65.1400				119.9	1.2		26	193	36.47	41.58	m i ke	BGR
OrigID 1110010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	1110010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	38.41		pP	20:50:06.892	-0.7	84.4		8.01		TAS				m_e	
BFO	40.42		pP	20:50:22.597	-0.6	84.4		8.01		TAS				m_e	
BRG	36.47		P	20:49:25.098	0.2	83.7		8.59		TAS		30.2	1.19	m_e	mb 5.0
BRG	36.47		pP	20:49:51.921	-0.1	84.4		8.01		TAS				m_e	
BSEG	38.50		pP	20:50:08.437	0.7	84.4		8.01		TAS				m_e	
BUG	40.59		pP	20:50:24.911	0.2	84.4		8.01		TAS				m_e	
CLL	37.03		P	20:49:29.264	-0.4	83.7		8.59		TAS		23.4	1.43	m_e	mb 4.7
CLL	37.03		pP	20:49:55.959	-0.6	84.4		8.01		TAS				m_e	
CLZ	38.62		pP	20:50:09.272	0.0	84.4		8.01		TAS				m_e	
FBE	36.84		P	20:49:28.340	0.3	83.7		8.59		TAS		32.3	1.20	m_e	mb 4.9
FBE	36.84		pP	20:49:54.845	-0.2	84.4		8.01		TAS				m_e	
FLT1	38.05		pP	20:50:03.949	-0.7	84.4		8.01		TAS				m_e	
FUR	38.51		pP	20:50:08.280	0.6	84.4		8.01		TAS				m_e	
GEC2	36.82		P	20:49:27.464	-0.0	83.7		8.59		TAS		70.0	2.31	m_e	mb 5.0
GEC2	36.82		pP	20:49:54.401	0.1	84.4		8.01		TAS				m_e	
GRA1	38.32		P	20:49:40.734		83.7		8.59		TAS		52.4	1.54	m_e	mb 5.0
GRA1	38.32		pP	20:50:07.449	0.7	84.4		8.01		TAS				m_e	
GTTG	38.90		pP	20:50:11.676	0.1	84.4		8.01		TAS				m_e	
IBBN	40.18		pP	20:50:21.814	0.2	84.4		8.01		TAS				m_e	
MANZ	37.72		P	20:49:35.755		83.7		8.59		TAS		37.2	1.76	m_e	mb 4.8
MANZ	37.72		pP	20:50:02.253	0.3	84.4		8.01		TAS				m_e	
MOX	37.96		pP	20:50:03.848	-0.1	84.4		8.01		TAS				m_e	
NRDL	38.72		pP	20:50:09.950	-0.0	84.4		8.01		TAS				m_e	
PLN	37.63		P	20:49:34.540	0.2	83.7		8.59		TAS		29.4	1.61	m_e	mb 4.8
PLN	37.63		pP	20:50:01.331	-0.0	84.4		8.01		TAS				m_e	
RGN	36.73		pP	20:49:53.974	0.8	84.4		8.01		TAS				m_e	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	125.56		PKPdf	20:48:54.917	0.0	47.8		1.95		TAS					m_e	
BRG	124.88		PKPdf	20:48:53.577	0.2	47.8		1.95		TAS					m_e	
BSEG	124.44		PKPdf	20:48:52.961	-0.2	47.8		1.95		TAS					m_e	
BUG	127.53		PKPdf	20:48:58.878		47.8		1.95		TAS					m_e	
CLL	125.05		PKPdf	20:48:53.682	-0.3	47.8		1.95		TAS					m_e	
CLZ	125.89		PKPdf	20:48:55.881	-0.1	47.8		1.95		TAS					m_e	
FBE	125.14		PKPdf	20:48:54.318	0.1	47.8		1.95		TAS					m_e	
FLT1	125.17		PKPdf	20:48:53.867	-0.0	47.8		1.95		TAS					m_e	
GEC2	126.30		PKPdf	20:48:56.275	-0.2	47.8		1.95		TAS					m_e	
GRA1	126.98		PKPdf	20:48:57.757		47.8		1.95		TAS					m_e	
GTTG	126.28		PKPdf	20:48:56.373	0.1	47.8		1.95		TAS					m_e	
IBBN	126.68		PKPdf	20:48:57.071		47.8		1.95		TAS					m_e	
MANZ	126.35		PKPdf	20:48:56.522	0.1	47.8		1.95		TAS					m_e	
MOX	126.15		PKPdf	20:48:55.961	-0.0	47.8		1.95		TAS					m_e	
NRDL	125.55		PKPdf	20:48:55.102	0.0	47.8		1.95		TAS					m_e	
PLN	126.00		PKPdf	20:48:55.781	-0.1	47.8		1.95		TAS					m_e	
ROTZ	126.45		PKPdf	20:48:56.624	0.0	47.8		1.95		TAS					m_e	
STU	128.58		PKPdf	20:49:00.773		47.8		1.95		TAS					m_e	
TANN	125.90		PKPdf	20:48:55.596	0.0	47.8		1.95		TAS					m_e	
WERN	126.02		PKPdf	20:48:56.038	0.1	47.8		1.95		TAS					m_e	
WET	126.52		PKPdf	20:48:56.893	-0.0	47.8		1.95		TAS					m_e	

Event 1112001 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
 2010/11/12 06:31:12.55 54.8700 162.2300 33.0 21 69.11 74.85 m i ke BGR
 1112007

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 1112007
 Ms 4.2 BGR 1112007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	72.93		P	06:42:37.794	0.2	17.2		5.98		TAS		21.4	1.08	a_e mb	5.2	
BFO	74.85		P	06:42:48.744	-0.4	17.2		5.98		TAS		13.1	0.78	a_e mb	5.0	
BRG	71.35		P	06:42:27.894	-0.3	17.2		5.98		TAS		16.8	0.87	a_e mb	5.2	
BSEG	69.11		P	06:42:14.794	-0.1	17.2		5.98		TAS		23.9	0.84	m_e mb	5.5	
BUG	72.02		P	06:42:32.094	-0.1	17.2		5.98		TAS		27.3	0.83	a_e mb	5.4	
CLL	71.13		P	06:42:26.444	-0.5	17.2		5.98		TAS		38.5	0.86	a_e mb	5.6	
CLZ	71.11		P	06:42:27.194	0.4	17.2		5.98		TAS		37.2	0.84	a_e mb	5.5	
FUR	74.47		P	06:42:46.744	-0.1	17.2		5.98		TAS		16.5	0.85	a_e mb	5.1	
GEC2	73.33		P	06:42:39.894	-0.1	17.2		5.98		TAS		13.0	0.81	a_e mb	5.1	

GRA1	73.01	P	06:42:38.544	0.3	17.2	5.98	TAS	50.8	0.74	a_e	mb	5.7
GRA1	73.01	L	07:12:58.274				T__	169.3	20.20	a_e	Ms	4.3
GTTG	71.47	P	06:42:28.944	0.0	17.2	5.98	TAS	14.5	0.85	a_e	mb	5.1
IBBN	71.11	P	06:42:26.844	0.1	17.2	5.98	TAS	41.4	0.91	a_e	mb	5.6
MOX	72.03	P	06:42:32.244	-0.1	17.2	5.98	TAS	28.9	0.88	a_e	mb	5.4
MOX	72.03	L	07:14:20.320				T__	125.3	22.00	a_e	Ms	4.1
NRDL	70.53	P	06:42:23.194	-0.1	17.2	5.98	TAS	15.9	0.85	a_e	mb	5.2
RJOB	74.57	P	06:42:47.594	0.2	17.2	5.98	TAS	11.1	0.83	a_e	mb	4.9
ROTZ	72.75	P	06:42:37.044	0.4	17.2	5.98	TAS	15.4	0.84	a_e	mb	5.2
STU	74.27	P	06:42:45.444	-0.3	17.2	5.98	TAS	14.3	0.69	a_e	mb	5.1
TANN	72.08	P	06:42:32.694	0.1	17.2	5.98	TAS	11.6	0.88	a_e	mb	5.0
TNS	73.00	P	06:42:38.144	0.0	17.2	5.98	TAS	17.7	0.74	a_e	mb	5.3
WET	73.21	P	06:42:39.694	0.3	17.2	5.98	TAS	22.0	0.87	a_e	mb	5.3
WLF	73.92	P	06:42:43.614	0.1	17.2	5.98	TAS	7.2	0.70	m_e	mb	4.8

Event 1112003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/12	21:25:21.93		0.46	39.4870	144.6290				33.0				215	82.17	82.17	m i ke	BGR
OrigID 1112009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	1112009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	82.17		P	21:37:27.961		28.2		4.10		TAS		40.2	1.40	m_e	mb	5.4

Event 1113001 Mona Passage

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2010/11/13	04:35:26.56		0.46	17.5900	-68.8900				33.0				21	215	67.15	72.14	m i ke	BGR
OrigID 1113007																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	1113007
Ms	4.3		BGR	1113007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	67.74		P	04:46:25.253	0.5	273.8		6.15		TAS		23.6	0.87	m_e	mb	5.4
BFO	68.62		P	04:46:29.844	-0.1	273.8		6.15		TAS		5.7	0.76	m_e	mb	4.9
BRG	72.07		P	04:46:51.407	-0.2	273.8		6.15		TAS		15.6	0.74	a_e	mb	5.2
BSEG	69.64		P	04:46:36.457	0.1	273.8		6.15		TAS		11.0	0.82	a_e	mb	5.0
BUG	67.85		P	04:46:25.340	-0.1	273.8		6.15		TAS		8.1	0.66	m_e	mb	5.1

CLL	71.44	P	04:46:47.407	-0.1	273.8	6.15	TAS	8.7	0.74	a_e	mb	5.0
CLZ	69.77	P	04:46:37.594	-0.1	273.8	6.15	TAS	13.6	0.81	m_e	mb	5.1
FUR	70.60	P	04:46:42.704	-0.2	273.8	6.15	TAS	16.7	0.74	m_e	mb	5.3
GEC2	72.14	P	04:46:51.731		273.8	6.15	TAS	3.7	0.89	m_e	mb	4.5
GRA1	70.44	P	04:46:41.426	0.3	273.8	6.15	TAS	8.6	0.81	m_e	mb	4.9
GRA1	70.44	L	05:13:20.879				T__	108.7	21.30	a_e	Ms	4.1
GTTG	69.53	P	04:46:36.146	0.3	273.8	6.15	TAS	4.9	0.72	m_e	mb	4.7
IBBN	68.14	P	04:46:27.307	-0.4	273.8	6.15	TAS	26.7	0.74	a_e	mb	5.6
MOX	70.62	P	04:46:42.534	0.2	273.8	6.15	TAS	3.0	0.74	m_e	mb	4.5
MOX	70.62	L	05:13:20.164				T__	316.5	21.50	a_e	Ms	4.5
RJOB	71.66	P	04:46:49.347	-0.2	273.8	6.15	TAS	2.9	0.67	m_e	mb	4.5
ROTZ	71.07	P	04:46:45.657	0.2	273.8	6.15	TAS	12.3	0.75	a_e	mb	5.1
STU	69.17	P	04:46:33.506	0.2	273.8	6.15	TAS	10.2	0.69	m_e	mb	5.2
TANN	71.18	P	04:46:46.281	-0.3	273.8	6.15	TAS	8.7	0.74	m_e	mb	5.0
TNS	68.62	P	04:46:30.355	-0.2	273.8	6.15	TAS	10.4	0.73	m_e	mb	5.2
WET	71.57	P	04:46:48.407	0.5	273.8	6.15	TAS	8.9	0.73	a_e	mb	5.0
WLF	67.15	P	04:46:21.157	-0.2	273.8	6.15	TAS	19.4	0.75	m_e	mb	5.4

Event 1114001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/14	06:10:32.05			33.9890	138.9790				33.0					84.68	84.68	m i ke	BGR
OrigID 1114007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	1114007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.68		P	06:23:05.266		46.1		4.43		TAS		22.1	1.16	m_e	mb	5.3

Event 1114002 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/14	06:32:39.27			13.7200	43.7500				33.0				17	42.57	47.25	m i ke	BGR
OrigID 1114008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	1114008
Ms	4.8		BGR	1114008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	47.25		P	06:41:14.401	0.4	131.9		7.98		TAS		33.9	0.93	m_e	mb	5.5
BFO	45.25		P	06:40:58.051	0.3	131.9		7.98		TAS		11.8	1.12	m_e	mb	4.7

BRG	44.22	P	06:40:49.816	0.2	131.9	7.98	TAS	10.3	0.90	m_e	mb	4.6
CLL	44.95	P	06:40:55.426	0.0	131.9	7.98	TAS	9.0	0.83	m_e	mb	4.7
CLZ	46.50	P	06:41:07.886	-0.1	131.9	7.98	TAS	7.1	1.00	m_e	mb	4.8
FUR	43.62	P	06:40:44.923	-0.0	131.9	7.98	TAS	18.5	0.90	m_e	mb	4.8
GEC2	42.89	P	06:40:39.911	0.7	131.9	7.98	TAS	19.6	0.94	m_e	mb	4.8
GRA1	44.66	P	06:40:52.919	-0.4	131.9	7.98	TAS	7.9	0.81	m_e	mb	4.7
GRA1	44.66	L	07:05:43.908				T__	854.2	18.50	a_e	Ms	4.7
MOX	45.11	P	06:40:57.096	0.2	131.9	7.98	TAS	12.4	0.93	m_e	mb	4.8
MOX	45.11	L	07:04:48.823				T__	1161.8	18.60	a_e	Ms	4.8
NRDL	47.07	P	06:41:12.253	-0.1	131.9	7.98	TAS	10.9	0.94	m_e	mb	5.0
RJOB	42.57	P	06:40:36.330	-0.3	131.9	7.98	TAS	7.3	0.98	m_e	mb	4.4
ROTZ	44.24	P	06:40:49.697	-0.3	131.9	7.98	TAS	18.9	1.19	m_e	mb	4.7
STU	45.07	P	06:40:56.619	0.1	131.9	7.98	TAS	5.2	0.81	m_e	mb	4.5
TANN	44.57	P	06:40:52.681	0.2	131.9	7.98	TAS	11.6	1.08	m_e	mb	4.7
TNS	46.36	P	06:41:06.525	-0.4	131.9	7.98	TAS	6.7	0.97	m_e	mb	4.6
WET	43.49	P	06:40:43.610	-0.4	131.9	7.98	TAS	14.4	1.08	m_e	mb	4.6
WLF	47.20	P	06:41:13.208	-0.1	131.9	7.98	TAS	25.4	1.05	m_e	mb	5.3

Event 1114004 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/14	08:21:44.10			16.0000	44.5690				33.0					43.11	43.11	m i ke	BGR
OrigID 1114010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	1114010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	43.11		P	08:29:46.163		122.9		8.29		TAS		17.9	1.20	m_e	mb	4.7

Event 1114005 Ethiopia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/14	09:18:49.66			12.5590	42.3800				33.0					45.02	45.02	m i ke	BGR
OrigID 1114011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	1114011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	45.02		P	09:26:16.297		124.5		7.95		TAS		7.7	1.04	m_e	mb	4.6

Event 1114006 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/14	11:21:32.59			-1.5000	-18.0800				10.0				16	54.68	60.07	m i ke	BGR
OrigID 1114012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	1114012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	54.68		P	11:31:03.746		215.6		7.12		TAS		4.7	0.78	m_e mb	4.6
BRG	58.88		P	11:31:33.509		215.6		7.12		TAS		3.3	0.84	m_e mb	4.4
BSEG	60.07		P	11:31:41.952		215.6		7.12		TAS		7.5	0.79	m_e mb	4.8
CLL	58.86		P	11:31:33.991		215.6		7.12		TAS		14.3	1.50	m_e mb	4.8
CLZ	58.34		P	11:31:27.294		215.6		7.12		TAS		11.2	0.92	m_e mb	4.9
FUR	55.66		P	11:31:11.169		215.6		7.12		TAS		8.7	0.77	m_e mb	4.9
GEC2	57.19		P	11:31:21.896		215.6		7.12		TAS		3.8	0.82	m_e mb	4.5
GRA1	56.88		P	11:31:19.423		215.6		7.12		TAS				m_e	
IBBN	57.86		P	11:31:27.132		215.6		7.12		TAS		6.3	1.00	m_e mb	4.6
MOX	57.80		P	11:31:26.366	-0.2	215.6		7.12		TAS		4.5	0.74	m_e mb	4.6
NRDL	58.79		P	11:31:33.734		215.6		7.12		TAS		4.7	1.07	m_e mb	4.4
RJOB	55.95		P	11:31:12.589		215.6		7.12		TAS		8.4	0.66	m_e mb	4.9
ROTZ	57.32		P	11:31:22.645		215.6		7.12		TAS		1.2	0.90	m_e mb	3.9
STU	55.37		P	11:31:08.549		215.6		7.12		TAS		5.3	0.75	m_e mb	4.7
TNS	56.32		P	11:31:15.700	0.2	215.6		7.12		TAS		7.2	0.78	m_e mb	4.8
WET	57.09		P	11:31:21.200		215.6		7.12		TAS		6.8	0.84	m_e mb	4.7

Event 1114007 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/14	11:30:54.72			17.0660	43.7250				33.0					41.78	41.78	m i ke	BGR
OrigID 1114013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	1114013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	41.78		P	11:38:41.579		123.1		8.37		TAS		19.2	1.48	m_e mb	4.6

Event 1114008 Western Gulf of Aden

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2010/11/14 12:38:52.46 12.1250 46.1850 33.0 47.22 47.22 m i ke BGR
 1114014

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 1114014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 47.22 P 12:47:22.900 123.8 7.99 TAS 15.5 1.30 m_e mb 5.0

Event 1114009 Western Arabian Peninsula

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/11/14 13:51:12.92 15.8040 43.8620 33.0 42.92 42.92 m i ke BGR
 1114015

Magnitude Err Nsta Author OrigID
 mb 4.2 BGR 1114015

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 42.92 P 13:58:29.470 123.9 8.06 TAS 5.4 1.06 m_e mb 4.2

Event 1114010 Western Gulf of Aden

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/11/14 14:04:28.96 12.9690 45.9360 33.0 46.37 46.37 m i ke BGR
 1114016

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 1114016

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 46.37 P 14:12:57.043 123.5 8.06 TAS 6.6 0.87 m_e mb 4.7

Event 1114011 Ethiopia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/11/14 14:32:50.24 8.6410 44.6740 33.0 49.51 49.51 m i ke BGR
 1114017

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 1114017

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 49.51 P 14:41:42.906 124.3 7.93 TAS 10.5 1.00 m_e mb 4.7

Event 1114013 Western Arabian Peninsula

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/11/14 15:06:58.11 15.4000 44.1120 33.0 43.39 43.39 m i ke BGR
1114019

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 1114019

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 43.39 P 15:14:58.091 123.9 8.26 TAS 48.1 1.48 m_e mb 5.0

Event 1114014 Northeastern Somalia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/11/14 15:36:23.54 9.2580 49.5220 33.0 51.34 51.34 m i ke BGR
1114020

Magnitude Err Nsta Author OrigID
mb 4.1 BGR 1114020

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 51.34 P 15:45:25.581 122.5 8.29 TAS 2.2 0.81 m_e mb 4.1

Event 1114015 Western Gulf of Aden

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/11/14 17:02:43.63 12.0410 46.0610 33.0 47.23 47.23 m i ke BGR
1114021

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 1114021

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude

GRA1 47.23 P 17:11:18.604 124.0 8.00 TAS 4.2 0.85 m_e mb 4.6

Event 1114016 Tonga Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2010/11/14 19:01:25.42 -16.6400 -173.6900 33.0 16 145.00 148.53 m i ke BGR
1114022

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 1114016.

Event 1114017 Western Arabian Peninsula

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2010/11/14 20:18:16.53 14.2760 44.9700 33.0 44.78 44.78 m i ke BGR
1114023

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 1114023

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 1114017.

1115008

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	1115008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	46.99		P	02:14:02.924		90.2		7.02		TAS		8.0	1.01	m_e	mb	4.8

Event 1115003 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/15	02:44:21.26			36.4200	72.7890				33.0					45.66	45.66	m i ke	BGR

OrigID
1115009

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	1115009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	45.66		P	02:52:37.985		91.5		7.11		TAS		7.2	0.84	m_e	mb	4.7

Event 1115004 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/15	18:24:57.52		0.63	61.0350	-143.9820				33.0				303	67.84	67.84	m i ke	BGR

OrigID
1115010

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	1115010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	67.84		P	18:35:53.894		344.9		5.81		TAS		4.3	0.75	m_e	mb	4.8

Event 1116001 Coral Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/16	01:39:22.84			-11.0100	144.6600				33.0				20	123.55	128.47	m i ke	BGR

OrigID
1116007

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	1116007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	127.49		PKPdf	01:58:28.098	-0.1	60.0		1.95		TAS				m_e	
BFO	127.97		PKPdf	01:58:28.746	-0.5	60.0		1.95		TAS				m_e	
BRG	123.55		PKPdf	01:58:20.656	0.1	60.0		1.95		TAS				m_e	
BSEG	123.97		PKPdf	01:58:21.489	0.1	60.0		1.95		TAS				m_e	
BUG	126.89		PKPdf	01:58:27.126	-0.1	60.0		1.95		TAS				m_e	
CLL	123.87		PKPdf	01:58:21.056	-0.1	60.0		1.95		TAS				a_e	
CLZ	125.04		PKPdf	01:58:23.430	-0.0	60.0		1.95		TAS				m_e	
FUR	126.33		PKPdf	01:58:26.065	0.1	60.0		1.95		TAS				m_e	
GEC2	124.58		PKPdf	01:58:22.606	-0.1	60.0		1.95		TAS				a_e	
GRA1	125.64		PKPdf	01:58:24.645	-0.0	60.0		1.95		TAS				m_e	
GRA1	125.64		L	02:47:47.956						T__		1339.9	22.00	a_e Ms	5.6
GTTG	125.41		PKPdf	01:58:24.356	0.2	60.0		1.95		TAS				a_e	
IBBN	126.16		PKPdf	01:58:25.484	-0.3	60.0		1.95		TAS				m_e	
MOX	124.96		PKPdf	01:58:23.256	-0.0	60.0		1.95		TAS				a_e	
MOX	124.96		L	02:51:23.609						T__		1562.6	19.50	a_e Ms	5.7
NRDL	124.84		PKPdf	01:58:22.978	-0.1	60.0		1.95		TAS				m_e	
ROTZ	125.04		PKPdf	01:58:23.556	0.1	60.0		1.95		TAS				a_e	
STU	127.25		PKPdf	01:58:27.656	-0.1	60.0		1.95		TAS				a_e	
TANN	124.59		PKPdf	01:58:22.706	0.1	60.0		1.95		TAS				a_e	
TNS	126.92		PKPdf	01:58:27.206	0.1	60.0		1.95		TAS				a_e	
WET	124.94		PKPdf	01:58:23.456	0.1	60.0		1.95		TAS				a_e	
WLF	128.47		PKPdf	01:58:30.523	0.6	60.0		1.95		TAS				m_e	

Event 1116003 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
2010/11/16	10:10:45.63			51.7100	158.5100				33.0			21		71.42	77.13	m i ke	BGR
	1116009																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	1116009
Ms	5.2		BGR	1116009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.28		P	10:22:29.138	-0.6	20.4		5.81		TAS		34.1	0.91	m_e mb	5.4
BFO	77.13		P	10:22:39.217	0.3	20.4		5.81		TAS		24.2	0.91	m_e mb	5.3
BRG	73.47		P	10:22:18.297	-0.2	20.4		5.81		TAS		25.7	0.98	m_e mb	5.3
BSEG	71.42		P	10:22:06.791	0.2	20.4		5.81		TAS		46.9	0.88	m_e mb	5.6
BUG	74.39		P	10:22:23.844		20.4		5.81		TAS		47.1	0.86	m_e mb	5.5
CLL	73.29		P	10:22:17.061	-0.4	20.4		5.81		TAS		46.5	0.81	m_e mb	5.7
CLZ	73.38		P	10:22:18.297	0.3	20.4		5.81		TAS		53.3	0.88	m_e mb	5.7
FUR	76.63		P	10:22:36.935	0.0	20.4		5.81		TAS		65.6	0.88	m_e mb	5.8
GEC2	75.42		P	10:22:29.708	-0.1	20.4		5.81		TAS		27.0	0.72	m_e mb	5.4
GRA1	75.21		P	10:22:29.043	0.4	20.4		5.81		TAS		64.8	0.91	m_e mb	5.7

GRA1	75.21	L	11:00:18.951						T__	1009.2	18.00	a_e	Ms	5.2
GTTG	73.74	P	10:22:19.914	-0.2	20.4	5.81			TAS	26.4	0.89	m_e	mb	5.3
IBBN	73.47	P	10:22:18.297	-0.1	20.4	5.81			TAS	76.1	0.87	m_e	mb	5.8
MOX	74.23	P	10:22:22.767	-0.2	20.4	5.81			TAS	25.9	0.85	m_e	mb	5.3
MOX	74.23	L	10:59:57.777						T__	1045.6	19.10	a_e	Ms	5.1
NRDL	72.82	P	10:22:14.589	-0.1	20.4	5.81			TAS	29.8	0.87	m_e	mb	5.4
RJOB	76.67	P	10:22:37.411	0.3	20.4	5.81			TAS	34.4	0.79	m_e	mb	5.5
ROTZ	74.91	P	10:22:27.236	0.3	20.4	5.81			TAS	26.3	0.95	m_e	mb	5.2
STU	76.53	P	10:22:35.984	-0.3	20.4	5.81			TAS	64.5	1.06	m_e	mb	5.7
TANN	74.25	P	10:22:22.957	-0.1	20.4	5.81			TAS	11.9	0.86	m_e	mb	4.9
TNS	75.31	P	10:22:29.233	0.1	20.4	5.81			TAS	43.6	0.89	m_e	mb	5.5
WET	75.34	P	10:22:29.708	0.3	20.4	5.81			TAS	43.0	0.86	m_e	mb	5.5
WLF	76.30	P	10:22:35.128		20.4	5.81			TAS	13.7	0.85	m_e	mb	5.1

Event 1116005 Carlsberg Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/16	18:45:16.58		0.27	3.3610	66.4380				10.0				94	65.53	65.53	m i ke	BGR
OrigID 1116011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	1116011
Ms	4.4		BGR	1116011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	65.53		P	18:56:00.827		118.2		7.58		TAS		16.7	0.87	m_e	mb 5.3
GRA1	65.53		L	19:31:10.754						T__		281.4	20.70	a_e	Ms 4.4

Event 1116006 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/16	20:06:37.90		0.27	-5.8320	130.6640				110.0				19	94	111.19	116.30	m i ke NEIC
OrigID 1116060																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	115.40		PKPdf	20:25:07.123	-0.0	194.6		1.96		TAS				m_e	
BRG	111.19		PKPdf	20:24:58.938	0.1	194.6		1.96		TAS				m_e	
BSEG	112.25		PKPdf	20:25:01.265	-0.0	194.6		1.96		TAS				m_e	
BUG	114.93		PKPdf	20:25:06.009	-0.3	194.6		1.96		TAS				m_e	
CLL	111.62		PKPdf	20:24:59.702	0.0	194.6		1.96		TAS				m_e	
CLZ	112.99		PKPdf	20:25:02.481	0.0	194.6		1.96		TAS				m_e	

FUR	113.69	PKPdf	20:25:03.661	194.6	1.96	TAS	m_e
GEC2	111.95	PKPdf	20:25:00.223	0.1 194.6	1.96	TAS	m_e
GRA1	113.22	PKPdf	20:25:02.793	0.1 194.6	1.96	TAS	m_e
GTTG	113.33	PKPdf	20:25:03.080	-0.1 194.6	1.96	TAS	m_e
IBBN	114.30	PKPdf	20:25:04.872	-0.3 194.6	1.96	TAS	m_e
MOX	112.67	PKPdf	20:25:01.647	-0.1 194.6	1.96	TAS	m_e
NRDL	112.90	PKPdf	20:25:02.758	0.4 194.6	1.96	TAS	m_e
RJOB	112.85	PKPdf	20:25:01.439	194.6	1.96	TAS	m_e
STU	114.79	PKPdf	20:25:05.814	0.1 194.6	1.96	TAS	m_e
TANN	112.23	PKPdf	20:25:00.816	-0.0 194.6	1.96	TAS	m_e
TNS	114.71	PKPdf	20:25:05.780	0.0 194.6	1.96	TAS	m_e
WET	112.38	PKPdf	20:25:01.057	0.1 194.6	1.96	TAS	m_e
WLF	116.30	PKPdf	20:25:09.164	0.1 194.6	1.96	TAS	m_e

Event 1117004 Kepulauan Babar, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/17	15:53:30.50		0.45	-7.9310	129.4420				13.6			8	245	112.55	114.11	m i ke	NEIC
OrigID 1117058																	

Magnitude Err Nsta Author OrigID
 Ms 5.4 BGR 1117010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	113.31		PKPdf	16:12:09.415		79.5		2.07		TAS					m_e
CLL	112.55		PKPdf	16:12:05.974	0.5	79.5		2.07		TAS					m_e
CLZ	113.96		PKPdf	16:12:09.415		79.5		2.07		TAS					m_e
GEC2	112.77		PKPdf	16:12:06.600	-0.5	79.5		2.07		TAS					m_e
GRA1	114.11		L	17:07:39.035						T__		1121.4	21.90	a_e Ms	5.4
MOX	113.58		PKPdf	16:12:07.978		79.5		2.07		TAS					m_e
MOX	113.58		L	17:05:11.406						T__		1032.9	21.70	a_e Ms	5.4
NRDL	113.90		PKPdf	16:12:09.486		79.5		2.07		TAS					m_e
RJOB	113.64		PKPdf	16:12:07.851	0.6	79.5		2.07		TAS					m_e
ROTZ	113.47		PKPdf	16:12:08.155		79.5		2.07		TAS					m_e
TANN	113.13		PKPdf	16:12:06.912	-0.1	79.5		2.07		TAS					m_e
WET	113.22		PKPdf	16:12:07.851	-0.5	79.5		2.07		TAS					m_e

Event 1117005 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/17	22:33:48.88		0.45	-6.5400	-12.7200				10.0			16	245	57.69	63.29	m i ke	BGR
OrigID 1117011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	1117011
Ms	4.6		BGR	1117011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	57.69		P	22:43:41.240	-0.1	207.7		6.92		TAS		12.0	0.93	m_e	mb	4.9
BRG	61.64		P	22:44:08.090	-0.5	207.7		6.92		TAS		5.9	0.90	a_e	mb	4.8
BSEG	63.29		P	22:44:19.140	-0.8	207.7		6.92		TAS		12.0	0.92	a_e	mb	5.0
CLL	61.72		P	22:44:09.836	1.1	207.7		6.92		TAS		4.5	1.16	m_e	mb	4.6
FUR	58.42		P	22:43:46.490	0.1	207.7		6.92		TAS		24.2	0.92	a_e	mb	5.2
GEC2	59.81		P	22:43:56.140	0.3	207.7		6.92		TAS		10.0	0.95	a_e	mb	4.8
GRA1	59.75		P	22:43:55.390	-0.3	207.7		6.92		TAS		12.0	0.92	a_e	mb	4.9
GRA1	59.75		L	23:10:42.348						T__		420.6	19.10	a_e	Ms	4.6
GTTG	61.05		P	22:44:04.790	0.2	207.7		6.92		TAS		9.6	0.91	a_e	mb	4.6
IBBN	61.17		P	22:44:05.340	0.2	207.7		6.92		TAS		6.6	0.83	a_e	mb	4.5
MOX	60.72		P	22:44:02.140	-0.2	207.7		6.92		TAS		9.5	0.93	a_e	mb	4.6
MOX	60.72		L	23:10:41.442						T__		383.3	18.20	a_e	Ms	4.6
NRDL	61.94		P	22:44:11.190	0.5	207.7		6.92		TAS		7.3	0.99	a_e	mb	4.9
RJOB	58.55		P	22:43:47.406	-0.4	207.7		6.92		TAS		6.6	0.87	m_e	mb	4.7
ROTZ	60.12		P	22:43:58.190	0.0	207.7		6.92		TAS		8.5	0.94	a_e	mb	4.8
TANN	60.77		P	22:44:02.490	-0.2	207.7		6.92		TAS		15.5	0.92	a_e	mb	4.8
TNS	59.44		P	22:43:53.390	0.0	207.7		6.92		TAS		9.4	0.97	a_e	mb	4.8
WET	59.79		P	22:43:55.940	0.1	207.7		6.92		TAS		15.6	0.94	a_e	mb	5.0

Event 1118003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/18	17:41:32.48		0.18	40.9820	144.6000				33.0				302	80.85	80.85	m i ke	BGR

OrigID 1118009

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	1118009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	80.85		P	17:53:01.760		28.8		4.18		TAS		7.1	0.86	m_e	mb	4.7

Event 1119001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/19	04:01:59.99			43.7740	145.8940				33.0				18	75.52	80.99	m i ke	BGR

OrigID 1119007

Magnitude	Err	Nsta	Author	OrigID
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mb 5.2 BGR 1119007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.99		P	04:14:09.267	-0.5	31.6		5.51		TAS		9.2	0.92	m_e mb	4.8
BRG	76.91		P	04:13:47.001	-0.3	31.6		5.51		TAS		13.0	0.87	m_e mb	5.1
BSEG	75.52		P	04:13:39.579	0.0	31.6		5.51		TAS		33.8	0.93	m_e mb	5.5
BUG	78.61		P	04:13:56.587	0.0	31.6		5.51		TAS		27.2	0.92	m_e mb	5.3
CLL	76.87		P	04:13:46.590	-0.5	31.6		5.51		TAS		41.9	0.76	m_e mb	5.6
CLZ	77.29		P	04:13:49.681	0.3	31.6		5.51		TAS		34.3	1.02	m_e mb	5.4
FUR	80.13		P	04:14:05.040	0.0	31.6		5.51		TAS		32.6	1.17	m_e mb	5.1
GEC2	78.69		P	04:13:57.000	-0.1	31.6		5.51		TAS		11.6	1.02	m_e mb	4.9
GRA1	78.84		P	04:13:58.340	0.4	31.6		5.51		TAS		35.1	0.98	m_e mb	5.4
GTTG	77.68		P	04:13:51.537	0.1	31.6		5.51		TAS		29.3	0.95	m_e mb	5.4
IBBN	77.71		P	04:13:51.743	0.2	31.6		5.51		TAS		45.8	0.92	m_e mb	5.6
MOX	77.90		P	04:13:52.670	-0.1	31.6		5.51		TAS		17.5	1.20	m_e mb	5.1
NRDL	76.82		P	04:13:46.795	0.1	31.6		5.51		TAS		13.3	0.87	m_e mb	5.1
RJOB	79.95		P	04:14:04.319	0.3	31.6		5.51		TAS		16.6	0.85	m_e mb	5.0
ROTZ	78.44		P	04:13:56.175	0.4	31.6		5.51		TAS		11.7	0.89	m_e mb	5.0
STU	80.32		P	04:14:05.865	-0.2	31.6		5.51		TAS		23.7	0.78	m_e mb	5.2
TANN	77.81		P	04:13:51.743	-0.5	31.6		5.51		TAS		10.0	1.22	m_e mb	4.8
WET	78.73		P	04:13:57.824	0.5	31.6		5.51		TAS		23.8	1.01	m_e mb	5.2

Event 1119008 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/19	21:55:18.30		0.73	1.4700	99.8500				214.0	3.3		9	300	86.28	91.29	m i ke	BGR
OrigID 1119014																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	1119014
MBB	6.3		BGR	1119014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.64		S	22:18:34.619	0.6	89.9		9.37		TAS				a_e	
AHRW	90.64		P	22:07:56.796	0.3	91.2		4.71		TAS		174.8	1.85	a_e MBB	6.2
AHRW	90.64		pP	22:08:49.547						T__				m_e	
BFO	89.93		SKSac	22:18:02.388		90.3		6.37		TAS				m_e	
BFO	89.93		S	22:18:26.969	-0.3	89.9		9.37		TAS				a_e	
BFO	89.93		P	22:07:52.646	-0.3	91.2		4.71		TAS		96.5	1.08	a_e MBB	6.1
BRG	86.28		SKSac	22:17:38.696	-0.7	90.3		6.37		TAS				m_e	
BRG	86.28		S	22:17:52.969	-0.1	89.9		9.37		TAS				a_e	
BRG	86.28		P	22:07:35.996	0.0	91.2		4.71		TAS		193.9	1.31	a_e MBB	6.3
BSEG	88.55		S	22:18:14.419	0.3	89.9		9.37		TAS				a_e	
BSEG	88.55		P	22:07:46.696	-0.2	91.2		4.71		TAS		108.5	1.03	a_e MBB	6.2
BUG	90.48		S	22:18:32.369	0.0	89.9		9.37		TAS				a_e	
BUG	90.48		P	22:07:55.546	-0.3	91.2		4.71		TAS		39.6	0.78	a_e MBB	6.1

WLF 91.29 P 22:07:59.696 0.2 91.2 4.71 TAS 60.9 1.29 a_e MBB 6.1

Event 1120002 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2010/11/20 01:11:25.51 1.59 -20.4780 179.7310 33.0 14 197 145.63 149.56 m i ke BGR
1120008

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 1120002.

Event 1120003 Vanuatu Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2010/11/20 06:12:03.10 1.59 -17.2190 168.4480 231.0 10 197 139.62 142.72 m i ke NEIC
1120042

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 1120003.

BRG	140.73	PKPdf	06:31:07.792	-0.2	37.6	2.06	TAS	m_e
BSEG	139.62	PKPdf	06:31:05.242	-0.2	37.6	2.06	TAS	m_e
BUG	142.72	PKPdf	06:31:11.479		37.6	2.06	TAS	m_e
CLL	140.78	PKPdf	06:31:07.890	-0.1	37.6	2.06	TAS	m_e
CLZ	141.34	PKPdf	06:31:09.336	0.1	37.6	2.06	TAS	m_e
GEC2	142.36	PKPdf	06:31:11.382		37.6	2.06	TAS	m_e
GTTG	141.72	PKPdf	06:31:10.191	0.2	37.6	2.06	TAS	m_e
MOX	141.84	PKPdf	06:31:10.303	-0.1	37.6	2.06	TAS	m_e
TANN	141.69	PKPdf	06:31:09.936	0.4	37.6	2.06	TAS	m_e
WET	142.50	PKPdf	06:31:11.592		37.6	2.06	TAS	m_e

Event 1120004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/20	20:40:24.79		1.59	-21.5400	-172.1200				33.0			23	197	147.60	153.56	m i ke	BGR
OrigID 1120010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	150.34		PKPbc	21:00:12.756	0.6	5.5		2.47		TAS					m_e
BSEG	147.60		PKPbc	21:00:05.489	-0.2	5.5		2.47		TAS					m_e
CLL	150.02		PKPbc	21:00:11.556	-0.1	5.5		2.47		TAS					m_e
FBE	150.36		PKPbc	21:00:12.928	-0.1	5.5		2.47		TAS					m_e
FUR	153.30		PKPbc	21:00:19.452		5.5		2.47		TAS					m_e
GEC2	152.36		PKPbc	21:00:17.448		5.5		2.47		TAS					m_e
GRA1	151.78		PKPbc	21:00:15.918	0.1	5.5		2.47		TAS					m_e
GTTG	150.01		PKPbc	21:00:11.526	-0.2	5.5		2.47		TAS					m_e
GUNZ	151.02		PKPbc	21:00:14.728		5.5		2.47		TAS					m_e
IBBN	149.29		PKPbc	21:00:10.317	0.4	5.5		2.47		TAS					m_e
MOX	150.81		PKPbc	21:00:13.536	0.4	5.5		2.47		TAS					m_e
NRDL	149.05		PKPbc	21:00:08.907	-0.3	5.5		2.47		TAS					m_e
PLN	150.91		PKPbc	21:00:14.300	-0.1	5.5		2.47		TAS					m_e
RJOB	153.56		PKPbc	21:00:20.677		5.5		2.47		TAS					m_e
ROHR	151.15		PKPbc	21:00:14.728		5.5		2.47		TAS					m_e
ROTZ	151.62		PKPbc	21:00:15.756	-0.2	5.5		2.47		TAS					m_e
TANN	150.96		PKPbc	21:00:14.648	-0.2	5.5		2.47		TAS					m_e
TNS	151.37		PKPbc	21:00:15.454	-0.1	5.5		2.47		TAS					m_e
TRIB	151.05		PKPbc	21:00:14.385		5.5		2.47		TAS					m_e
WERD	150.94		PKPbc	21:00:13.957	-0.1	5.5		2.47		TAS					m_e
WERN	151.09		PKPbc	21:00:14.385		5.5		2.47		TAS					m_e
WIMM	149.94		PKPbc	21:00:11.340	-0.2	5.5		2.47		TAS					m_e
WLF	151.90		PKPbc	21:00:16.361	-0.3	5.5		2.47		TAS					m_e

Event 1120005 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/20	23:38:52.69		1.59	14.6390	44.4960				33.0			15	197	42.17	46.85	m i ke	BGR
OrigID 1120011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	1120011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	46.85		P	23:47:21.523		130.5		8.00		TAS		34.3	1.55	m_e	mb 5.2
BFO	44.89		P	23:47:05.212		130.5		8.00		TAS		266.0	3.20	m_e	mb 5.6
CLL	44.47		P	23:47:02.406	0.3	130.5		8.00		TAS		7.0	1.27	m_e	mb 4.2
FLT1	45.97		P	23:47:14.372		130.5		8.00		TAS		14.8	1.60	m_e	mb 4.8
FUR	43.22		P	23:46:52.664	0.5	130.5		8.00		TAS				m_e	
GEC2	42.45		P	23:46:46.934	0.8	130.5		8.00		TAS		30.1	1.50	m_e	mb 4.8
GRA1	44.23		P	23:46:59.454	-0.2	130.5		8.00		TAS		90.7	2.55	m_e	mb 5.1
GTTG	46.04		P	23:47:14.555		130.5		8.00		TAS		13.2	1.19	m_e	mb 4.8
MANZ	43.99		P	23:46:56.931	0.2	130.5		8.00		TAS		18.5	1.59	m_e	mb 4.6
MOX	44.67		P	23:47:03.395		130.5		8.00		TAS		17.4	1.61	m_e	mb 4.7
NRDL	46.60		P	23:47:19.544		130.5		8.00		TAS		15.7	1.32	m_e	mb 5.0
PLN	44.30		P	23:47:01.097	0.5	130.5		8.00		TAS		13.4	1.12	m_e	mb 4.6
RJOB	42.17		P	23:46:44.017	0.3	130.5		8.00		TAS		85.8	2.69	m_e	mb 5.0
ROTZ	43.80		P	23:46:56.311	-1.5	130.5		8.00		TAS		19.2	1.62	m_e	mb 4.6
WET	43.06		P	23:46:50.997	0.1	130.5		8.00		TAS		51.0	2.19	m_e	mb 4.9

Event 1121002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/21	03:33:17.46		0.69	-20.4500	-178.3600				600.0			20	201	145.92	151.67	m i ke	BGR
OrigID 1121008																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.67		PKPbc	03:52:04.360		17.3		2.40		TAS				m_e	
BRG	148.13		PKPbc	03:51:56.272	0.1	17.3		2.40		TAS				m_e	
BRG	148.13		PKPab	03:52:00.886	-0.0	16.2		4.36		TAS				m_e	
BSEG	145.92		PKPbc	03:51:50.381	-0.5	17.3		2.40		TAS				m_e	
BUG	148.76		PKPbc	03:51:57.836	0.0	17.3		2.40		TAS				m_e	
CLL	147.94		PKPbc	03:51:55.744	0.1	17.3		2.40		TAS				m_e	
CLL	147.94		PKPab	03:52:00.262	-0.1	16.2		4.36		TAS				m_e	
CLZ	147.94		PKPbc	03:51:56.008	0.3	17.3		2.40		TAS				m_e	
FUR	151.28		PKPbc	03:52:03.305	-0.5	17.3		2.40		TAS				m_e	
FUR	151.28		PKPab	03:52:14.550		16.2		4.36		TAS				m_e	

GEC2	150.06	PKPbc	03:52:00.843	0.3	17.3	2.40	TAS	m_e
GRA1	149.84	PKPbc	03:52:00.623	0.1	17.3	2.40	TAS	m_e
GTTG	148.29	PKPbc	03:51:56.711	0.2	17.3	2.40	TAS	m_e
IBBN	147.85	PKPbc	03:51:55.496	-0.1	17.3	2.40	TAS	m_e
IBBN	147.85	PKPab	03:51:59.683	-0.2	16.2	4.36	TAS	m_e
MOX	148.85	PKPbc	03:51:57.942	0.1	17.3	2.40	TAS	m_e
NRDL	147.35	PKPbc	03:51:53.820	-0.5	17.3	2.40	TAS	m_e
RJOB	151.32	PKPbc	03:52:03.449	-0.3	17.3	2.40	TAS	m_e
RJOB	151.32	PKPab	03:52:15.272		16.2	4.36	TAS	m_e
ROTZ	149.56	PKPbc	03:51:59.876	0.3	17.3	2.40	TAS	m_e
ROTZ	149.56	PKPab	03:52:07.111		16.2	4.36	TAS	m_e
STU	151.10	PKPbc	03:52:03.137	-0.4	17.3	2.40	TAS	m_e
TANN	148.90	PKPbc	03:51:58.299	0.3	17.3	2.40	TAS	m_e
TNS	149.80	PKPbc	03:52:00.404	0.4	17.3	2.40	TAS	m_e
WET	149.99	PKPbc	03:52:00.788	-0.1	17.3	2.40	TAS	m_e
WET	149.99	PKPab	03:52:09.053		16.2	4.36	TAS	m_e
WLF	150.63	PKPbc	03:52:02.630	-0.1	17.3	2.40	TAS	m_e
WLF	150.63	PKPab	03:52:11.868		16.2	4.36	TAS	m_e

Event 1121003 Pacific-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/21	04:36:33.70		0.69	-54.8650	-131.3140				19.0			13	201	155.10	158.79	m i ke	NEIC
	1121042																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	1121009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	158.79		PKPdf	04:56:28.837		231.4		1.26		TAS				m_e	
CLZ	157.12		PKPdf	04:56:27.871	-0.0	231.4		1.26		TAS				m_e	
CLZ	157.12		pPKPdf	04:56:35.223						T__				m_e	
FUR	156.00		PKPdf	04:56:25.191	0.2	231.4		1.26		TAS				m_e	
FUR	156.00		pPKPdf	04:56:33.514						T__				m_e	
GEC2	157.74		PKPdf	04:56:27.335		231.4		1.26		TAS				m_e	
GEC2	157.74		pPKPdf	04:56:36.117						T__				m_e	
GRA1	156.70		PKPdf	04:56:26.370	0.1	231.4		1.26		TAS				m_e	
GRA1	156.70		L	06:12:32.474						T__	1267.7	20.40	a_e	Ms	5.7
GTTG	156.78		PKPdf	04:56:27.014	-0.1	231.4		1.26		TAS				m_e	
GTTG	156.78		pPKPdf	04:56:34.765						T__				m_e	
MOX	157.35		PKPdf	04:56:27.871		231.4		1.26		TAS				m_e	
MOX	157.35		L	06:02:41.437						T__	1417.2	21.60	a_e	Ms	5.8
NRDL	157.22		PKPdf	04:56:27.764	-0.3	231.4		1.26		TAS				m_e	
RJOB	156.66		PKPdf	04:56:25.941	0.4	231.4		1.26		TAS				m_e	
RJOB	156.66		pPKPdf	04:56:34.097						T__				m_e	
ROTZ	157.31		PKPdf	04:56:27.319		231.4		1.26		TAS				m_e	

STU	155.10	PKPdf	04:56:24.306	-0.1	231.4		1.26	TAS		m_e
TANN	157.74	PKPdf	04:56:27.764		231.4		1.26	TAS		m_e
TANN	157.74	pPKPdf	04:56:36.292					T__		m_e
WET	157.41	PKPdf	04:56:27.228		231.4		1.26	TAS		m_e
WET	157.41	pPKPdf	04:56:35.781					T__		m_e

Event 1121008 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/21	11:32:04.40		0.49	51.2000	150.8300				485.0			17	132	70.14	75.77	m i ke	NEIC
	1121070																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	1121014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.06		P	11:42:49.951	-0.4	25.1		5.74		TAS		13.0	1.14	m_e mb	4.9
BFO	75.77		P	11:42:59.352		25.1		5.74		TAS		9.3	0.86	m_e mb	4.9
BRG	71.92		P	11:42:37.282	-0.6	25.1		5.74		TAS		5.1	0.55	m_e mb	4.9
BSEG	70.14		P	11:42:27.486	0.1	25.1		5.74		TAS		11.0	0.87	m_e mb	5.0
CLL	71.80		P	11:42:36.639	-0.5	25.1		5.74		TAS		20.7	0.56	m_e mb	5.5
CLZ	72.03		P	11:42:38.807	0.5	25.1		5.74		TAS		10.5	0.76	m_e mb	5.0
FUR	75.12		P	11:42:56.230		25.1		5.74		TAS		59.7	1.51	m_e mb	5.4
GEC2	73.81		P	11:42:48.603	0.5	25.1		5.74		TAS		4.8	0.60	m_e mb	4.7
GRA1	73.75		P	11:42:48.588	0.1	25.1		5.74		TAS		28.3	0.96	m_e mb	5.3
GTTG	72.40		P	11:42:40.390	-0.1	25.1		5.74		TAS		6.8	0.93	m_e mb	4.8
MOX	72.78		P	11:42:42.661	0.3	25.1		5.74		TAS		14.6	1.20	m_e mb	5.0
NRDL	71.50		P	11:42:35.416	0.1	25.1		5.74		TAS		40.6	2.11	m_e mb	5.2
RJOB	75.07		P	11:42:56.391	-0.5	25.1		5.74		TAS		6.4	0.86	m_e mb	4.7
ROTZ	73.41		P	11:42:46.676	-0.1	25.1		5.74		TAS		10.5	0.91	m_e mb	5.0
STU	75.14		P	11:42:55.901		25.1		5.74		TAS		10.2	0.83	m_e mb	4.9
TNS	74.00		P	11:42:49.807	0.0	25.1		5.74		TAS		14.8	1.09	m_e mb	4.9
WET	73.78		P	11:42:48.763	0.1	25.1		5.74		TAS		18.8	1.31	m_e mb	5.0

Event 1121004 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/21	12:26:05.20		0.69	46.5950	156.0180				32.0			15	201	75.69	81.35	m i ke	NEIC
	1121043																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	1121010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.59		P	12:38:15.026		23.8		5.94		TAS		15.3	1.16	m_e	mb	4.8
BFO	81.35		P	12:38:23.514		23.8		5.94		TAS		43.5	2.15	m_e	mb	5.1
BRG	77.55		P	12:38:01.707	0.0	23.8		5.94		TAS		6.9	1.20	m_e	mb	4.7
BSEG	75.69		P	12:37:50.587	-0.7	23.8		5.94		TAS		12.8	1.25	m_e	mb	4.9
BUG	78.71		P	12:38:09.626	0.3	23.8		5.94		TAS		16.5	1.33	m_e	mb	4.9
CLL	77.41		P	12:38:00.744	-0.3	23.8		5.94		TAS		12.2	0.68	m_e	mb	5.2
CLZ	77.60		P	12:38:02.831	0.4	23.8		5.94		TAS		8.5	0.84	m_e	mb	4.9
GEC2	79.45		P	12:38:12.782	0.5	23.8		5.94		TAS		11.3	1.46	m_e	mb	4.7
GRA1	79.35		P	12:38:12.384		23.8		5.94		TAS		15.8	0.66	m_e	mb	5.2
IBBN	77.79		P	12:38:03.628	-0.2	23.8		5.94		TAS		14.7	1.00	m_e	mb	5.1
MOX	78.38		P	12:38:06.844	0.3	23.8		5.94		TAS		8.0	1.03	m_e	mb	4.8
NRDL	77.06		P	12:37:59.460	0.1	23.8		5.94		TAS		13.9	1.31	m_e	mb	4.9
ROTZ	79.02		P	12:38:10.856	0.3	23.8		5.94		TAS		8.1	0.92	m_e	mb	4.7
TANN	78.36		P	12:38:06.635	-0.0	23.8		5.94		TAS		29.2	1.91	m_e	mb	5.1
TNS	79.56		P	12:38:14.649	-1.2	23.8		5.94		TAS		9.5	0.75	m_e	mb	4.8
WET	79.41		P	12:38:13.023	0.4	23.8		5.94		TAS		8.0	0.73	m_e	mb	4.8

Event 1121005 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/21	12:31:43.03		0.69	24.0840	122.2670				33.0			20	201	82.42	87.30	m i ke	BGR
OrigID 1121011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	1121011
Ms	5.3		BGR	1121011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.32		S	12:54:51.527	-1.2	59.6		10.19		TAS				a_e		
AHRW	86.32		P	12:44:20.793	-0.0	58.9		5.06		TAS		52.0	1.54	a_e	mb	5.4
BFO	86.86		S	12:54:55.227	-0.8	59.6		10.19		TAS				a_e		
BFO	86.86		P	12:44:23.456	-0.1	58.9		5.06		TAS		52.9	1.93	m_e	mb	5.3
BRG	82.42		S	12:54:10.277	-0.9	59.6		10.19		TAS				m_e		
BRG	82.42		P	12:44:00.943	-0.2	58.9		5.06		TAS		56.0	1.79	a_e	mb	5.4
BSEG	82.81		S	12:54:15.627	0.2	59.6		10.19		TAS				a_e		
BSEG	82.81		P	12:44:03.143	0.2	58.9		5.06		TAS		47.7	1.63	a_e	mb	5.5
BUG	85.71		S	12:54:45.327	0.7	59.6		10.19		TAS				a_e		
BUG	85.71		P	12:44:17.643	-0.1	58.9		5.06		TAS		74.4	1.48	a_e	mb	5.6
CLL	82.73		S	12:54:12.277	-2.1	59.6		10.19		TAS				a_e		
CLL	82.73		P	12:44:02.143	-0.5	58.9		5.06		TAS		28.8	1.36	a_e	mb	5.3
CLZ	83.87		S	12:54:26.327	0.2	59.6		10.19		TAS				a_e		
CLZ	83.87		P	12:44:08.843	0.4	58.9		5.06		TAS		61.1	1.41	a_e	mb	5.6
FUR	85.28		S	12:54:39.827	0.4	59.6		10.19		TAS				a_e		
FUR	85.28		P	12:44:15.843	0.2	58.9		5.06		TAS		71.5	1.10	a_e	mb	5.8
GEC2	83.55		S	12:54:23.277	0.9	59.6		10.19		TAS				a_e		

GEC2	83.55	P	12:44:06.743	-0.0	58.9	5.06	TAS	30.1	1.15	m_e	mb	5.4
GRA1	84.52	S	12:54:32.027	-0.6	59.6	10.19	TAS			a_e		
GRA1	84.52	P	12:44:12.043	0.3	58.9	5.06	TAS	56.6	1.40	a_e	mb	5.6
GRA1	84.52	L	13:25:11.463				T__	1173.5	21.80	a_e	Ms	5.2
GTTG	84.24	S	12:54:30.677	0.8	59.6	10.19	TAS			a_e		
GTTG	84.24	P	12:44:10.393	0.1	58.9	5.06	TAS	43.3	1.49	a_e	mb	5.5
IBBN	84.98	P	12:44:14.143	0.1	58.9	5.06	TAS	58.1	1.34	a_e	mb	5.6
MOX	83.82	S	12:54:25.727	0.3	59.6	10.19	TAS			a_e		
MOX	83.82	P	12:44:08.043	-0.1	58.9	5.06	TAS	27.2	1.39	a_e	mb	5.3
MOX	83.82	L	13:25:08.865				T__	1431.6	20.30	a_e	Ms	5.3
NRDL	83.67	S	12:54:23.427	-0.7	59.6	10.19	TAS			a_e		
NRDL	83.67	P	12:44:06.909	-0.5	58.9	5.06	TAS	54.2	1.76	m_e	mb	5.5
RJOB	84.62	S	12:54:33.077	-0.2	59.6	10.19	TAS			a_e		
RJOB	84.62	P	12:44:12.193	-0.0	58.9	5.06	TAS	29.6	0.99	a_e	mb	5.5
ROTZ	83.94	S	12:54:28.627	2.1	59.6	10.19	TAS			a_e		
ROTZ	83.94	P	12:44:09.093	0.3	58.9	5.06	TAS	40.3	1.32	a_e	mb	5.5
STU	86.14	S	12:54:49.277	0.5	59.6	10.19	TAS			a_e		
STU	86.14	P	12:44:19.443	-0.5	58.9	5.06	TAS	121.8	2.26	a_e	mb	5.6
TANN	83.47	S	12:54:22.077	0.2	59.6	10.19	TAS			a_e		
TANN	83.47	P	12:44:06.343	-0.1	58.9	5.06	TAS	39.1	1.68	a_e	mb	5.4
TNS	85.76	S	12:54:46.077	0.2	59.6	10.19	TAS			a_e		
TNS	85.76	P	12:44:18.093	0.1	58.9	5.06	TAS	23.5	1.37	a_e	mb	5.1
WET	83.87	S	12:54:26.077	0.3	59.6	10.19	TAS			a_e		
WET	83.87	P	12:44:08.643	0.2	58.9	5.06	TAS	25.7	1.41	a_e	mb	5.3
WLF	87.30	S	12:55:00.277		59.6	10.19	TAS			a_e		
WLF	87.30	P	12:44:25.793	-0.0	58.9	5.06	TAS	57.3	1.24	a_e	mb	5.6

Event 1121007 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/21	22:51:41.20		0.93	6.4600	95.8410				263.0			9	284	79.91	82.32	m i ke	NEIC
	1121046																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	1121013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	79.91		P	23:03:21.483	0.1	89.9		5.17		TAS		4.9	1.23	m_e	mb	4.3
CLL	80.52		P	23:03:24.309	-0.2	89.9		5.17		TAS		3.5	1.18	m_e	mb	4.3
CLZ	82.16		P	23:03:32.778		89.9		5.17		TAS		6.2	0.79	m_e	mb	4.8
GEC2	80.00		P	23:03:21.906	-0.0	89.9		5.17		TAS		8.7	1.22	m_e	mb	4.6
MOX	81.38		P	23:03:28.753	-0.2	89.9		5.17		TAS		12.2	1.70	m_e	mb	4.7
NRDL	82.32		P	23:03:33.910		89.9		5.17		TAS		16.6	1.52	m_e	mb	4.9
ROTZ	80.99		P	23:03:27.500	-0.3	89.9		5.17		TAS		4.4	1.09	m_e	mb	4.4
TANN	80.84		P	23:03:26.445	0.4	89.9		5.17		TAS		5.0	1.41	m_e	mb	4.3
WET	80.55		P	23:03:24.545	-0.2	89.9		5.17		TAS		2.6	0.68	m_e	mb	4.4

Event 1122001 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/22	05:09:53.91		0.93	7.4510	-38.5650				33.0			16	284	56.76	61.18	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	1122007
Ms	4.5		BGR	1122007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	56.76		P	05:19:35.776	-0.4	241.9		6.93		TAS		26.4	0.94	m_e mb	5.2
BRG	61.18		P	05:20:06.149		241.9		6.93		TAS		7.6	1.15	m_e mb	4.4
BSEG	60.69		P	05:20:02.378		241.9		6.93		TAS		22.4	1.10	m_e mb	4.9
CLL	60.84		P	05:20:04.072		241.9		6.93		TAS		8.7	1.01	m_e mb	4.5
FUR	58.41		P	05:19:47.571	0.0	241.9		6.93		TAS		38.6	0.89	m_e mb	5.4
GEC2	60.16		P	05:19:58.991		241.9		6.93		TAS		12.8	1.31	m_e mb	4.8
GRA1	59.09		P	05:19:51.650	0.3	241.9		6.93		TAS		32.1	1.22	m_e mb	5.2
GRA1	59.09		L	05:48:17.216						T__		276.0	20.60	a_e Ms	4.4
GTTG	59.29		P	05:19:53.048	-0.0	241.9		6.93		TAS		19.5	1.30	m_e mb	5.0
MOX	59.76		P	05:19:56.432	0.1	241.9		6.93		TAS		8.0	0.87	m_e mb	4.8
MOX	59.76		L	05:43:35.463						T__		392.5	18.80	a_e Ms	4.6
NRDL	59.85		P	05:19:57.171	-0.0	241.9		6.93		TAS		20.2	1.16	m_e mb	5.0
RJOB	59.13		P	05:19:52.152	-0.2	241.9		6.93		TAS		23.7	0.97	m_e mb	5.2
ROTZ	59.69		P	05:19:55.979	-0.1	241.9		6.93		TAS		15.1	1.16	m_e mb	4.9
STU	57.48		P	05:19:40.231	0.5	241.9		6.93		TAS		26.4	1.17	m_e mb	5.2
TANN	60.13		P	05:19:59.026		241.9		6.93		TAS		10.4	1.28	m_e mb	4.7
TNS	57.79		P	05:19:42.678	-0.0	241.9		6.93		TAS		13.0	1.08	m_e mb	4.9
WET	59.80		P	05:19:56.508	-0.1	241.9		6.93		TAS		8.8	1.32	m_e mb	4.6

Event 1122004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/22	11:27:10.36		0.62	-17.7440	-177.8460				600.0			13	289	143.33	149.08	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.08		PKPbc	11:45:51.876		16.1		2.73		TAS				m_e	
BRG	145.63		PKPbc	11:45:43.071	0.1	16.1		2.73		TAS				m_e	
BSEG	143.33		PKPbc	11:45:35.832	-0.8	16.1		2.73		TAS				m_e	

CLL	145.42	PKPbc	11:45:42.368	0.2	16.1	2.73	TAS	m_e
CLZ	145.36	PKPbc	11:45:42.476	0.1	16.1	2.73	TAS	m_e
GEC2	147.59	PKPbc	11:45:48.311		16.1	2.73	TAS	m_e
GTTG	145.71	PKPbc	11:45:43.287	0.2	16.1	2.73	TAS	m_e
MOX	146.31	PKPbc	11:45:44.799	0.2	16.1	2.73	TAS	m_e
RJOB	148.84	PKPbc	11:45:51.120		16.1	2.73	TAS	m_e
ROTZ	147.04	PKPbc	11:45:47.176	0.3	16.1	2.73	TAS	m_e
TANN	146.38	PKPbc	11:45:45.123	-0.0	16.1	2.73	TAS	m_e
TNS	147.21	PKPbc	11:45:47.446	-0.5	16.1	2.73	TAS	m_e
WLF	148.00	PKPbc	11:45:49.985		16.1	2.73	TAS	m_e

Event 1122007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/22	14:12:59.70		0.54	-18.8560	169.2340				269.0				10	179	142.57	146.77	m i ke NEIC
	1122046																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.77		PKPbc	14:32:10.017		37.6		3.08		TAS					m_e
CLL	142.57		PKPbc	14:31:57.258	-0.1	37.6		3.08		TAS					m_e
GTTG	143.51		PKPbc	14:31:59.937	0.2	37.6		3.08		TAS					m_e
IBBN	143.60		PKPbc	14:32:00.448	0.2	37.6		3.08		TAS					m_e
MOX	143.63		PKPbc	14:32:00.448	-0.1	37.6		3.08		TAS					m_e
RJOB	145.38		PKPbc	14:32:06.827		37.6		3.08		TAS					m_e
ROTZ	144.09		PKPbc	14:32:02.234	-0.1	37.6		3.08		TAS					m_e
TANN	143.48		PKPbc	14:32:00.193	0.1	37.6		3.08		TAS					m_e
TNS	145.15		PKPbc	14:32:05.296		37.6		3.08		TAS					m_e
WLF	146.40		PKPbc	14:32:08.741		37.6		3.08		TAS					m_e

Event 1122008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/22	14:40:55.22		0.54	-18.3400	-176.2400				600.0				14	179	144.11	149.86	m i ke BGR
	1122014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.86		PKPbc	14:59:38.398		14.3		2.62		TAS					m_e
BRG	146.54		PKPbc	14:59:29.757	0.2	14.3		2.62		TAS					m_e
BSEG	144.11		PKPbc	14:59:22.102	-0.4	14.3		2.62		TAS					m_e

CLL	146.30	PKPbc	14:59:28.696	0.1	14.3	2.62	TAS	m_e
CLZ	146.17	PKPbc	14:59:28.317	-0.1	14.3	2.62	TAS	m_e
GEC2	148.52	PKPbc	14:59:34.722		14.3	2.62	TAS	m_e
GUNZ	147.32	PKPbc	14:59:31.835		14.3	2.62	TAS	m_e
MOX	147.16	PKPbc	14:59:30.818	0.2	14.3	2.62	TAS	m_e
MULD	147.26	PKPbc	14:59:31.618		14.3	2.62	TAS	m_e
NRDL	145.56	PKPbc	14:59:27.105	0.6	14.3	2.62	TAS	m_e
TANN	147.25	PKPbc	14:59:31.764		14.3	2.62	TAS	m_e
TAUT	146.82	PKPbc	14:59:30.539	0.3	14.3	2.62	TAS	m_e
TNS	147.97	PKPbc	14:59:33.471		14.3	2.62	TAS	m_e
WERD	147.25	PKPbc	14:59:31.577		14.3	2.62	TAS	m_e

Event 1122010 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/22	16:18:44.05		0.89	-33.8100	-178.2300				33.0			20	316	158.99	164.68	m i ke	BGR
1122016																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	1122016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	162.83		PKPab	16:39:31.820	-0.4	25.4		4.41		TAS					m_e
BFO	164.68		PKPab	16:39:39.877	0.1	25.4		4.41		TAS					m_e
BRG	160.76		PKPdf	16:38:42.002	0.1	31.8		1.06		TAS					m_e
BRG	160.76		PKPab	16:39:22.360	-0.4	25.4		4.41		TAS					m_e
BSEG	158.99		PKPab	16:39:15.184	0.2	25.4		4.41		TAS					m_e
BUG	161.93		PKPab	16:39:27.746	-0.6	25.4		4.41		TAS					m_e
CLL	160.69		PKPab	16:39:21.940	-0.3	25.4		4.41		TAS					m_e
CLZ	160.93		PKPdf	16:38:42.283	0.2	31.8		1.06		TAS					m_e
CLZ	160.93		PKPab	16:39:23.622	0.4	25.4		4.41		TAS					m_e
CLZ	160.93		PP	16:43:05.077						T__					m_e
FUR	163.99		PKPab	16:39:37.113	0.2	25.4		4.41		TAS					m_e
GEC2	162.54		PKPdf	16:38:43.824		31.8		1.06		TAS					m_e
GEC2	162.54		PKPab	16:39:30.216	-0.8	25.4		4.41		TAS					m_e
GRA1	162.66		PKPab	16:39:31.329	0.5	25.4		4.41		TAS					m_e
GRA1	162.66		L	17:58:31.825						T__		1959.8	18.90	a_e Ms	6.0
GTTG	161.30		PKPab	16:39:25.100	0.2	25.4		4.41		TAS					m_e
GTTG	161.30		PP	16:43:06.758						T__					m_e
IBBN	161.01		PKPab	16:39:24.042	-0.2	25.4		4.41		TAS					m_e
MOX	161.69		L	17:57:15.580						T__		952.4	20.70	a_e Ms	5.6
MOX	161.69		PKPdf	16:38:43.404	-0.2	31.8		1.06		TAS					m_e
MOX	161.69		PKPab	16:39:26.611	0.0	25.4		4.41		TAS					m_e
RJOB	163.80		PKPdf	16:38:45.085		31.8		1.06		TAS					m_e
RJOB	163.80		PKPab	16:39:36.374	-0.2	25.4		4.41		TAS					m_e
ROTZ	162.29		PKPab	16:39:30.068	0.8	25.4		4.41		TAS					m_e

STU	164.06	PKPab	16:39:37.149	0.2	25.4	4.41	TAS	m_e
TANN	161.64	PKPdf	16:38:43.124	0.0	31.8	1.06	TAS	m_e
TANN	161.64	PKPab	16:39:26.705	0.3	25.4	4.41	TAS	m_e
TNS	162.88	PKPdf	16:38:44.665		31.8	1.06	TAS	m_e
TNS	162.88	PKPab	16:39:31.889	-0.1	25.4	4.41	TAS	m_e
WET	162.59	PKPdf	16:38:44.525		31.8	1.06	TAS	m_e
WET	162.59	PKPab	16:39:30.902	-0.0	25.4	4.41	TAS	m_e
WLF	163.83	PKPab	16:39:36.794	0.1	25.4	4.41	TAS	m_e

Event 1123001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/23	00:16:14.80			52.8840	-174.4430				33.0			16		73.48	79.57	m i ke	BGR
OrigID 1123007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	1123007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.94		P	00:28:02.027	0.0	3.5		5.60		TAS		4.7	0.89	m_e mb	4.6
BFO	79.14		P	00:28:13.806		3.5		5.60		TAS		4.3	0.89	m_e mb	4.5
BRG	76.38		P	00:27:58.616	0.1	3.5		5.60		TAS		3.9	0.80	m_e mb	4.6
BSEG	73.48		P	00:27:42.553	-0.0	3.5		5.60		TAS		6.5	0.87	m_e mb	4.7
CLL	75.99		P	00:27:56.313	0.2	3.5		5.60		TAS		2.6	0.76	m_e mb	4.4
CLZ	75.57		P	00:27:54.590	0.3	3.5		5.60		TAS		5.7	0.83	m_e mb	4.7
GEC2	78.41		P	00:28:10.146		3.5		5.60		TAS		2.3	0.91	m_e mb	4.2
GRA1	77.69		P	00:28:06.486	-0.0	3.5		5.60		TAS		7.7	0.86	m_e mb	4.9
IBBN	75.17		P	00:27:52.026	0.1	3.5		5.60		TAS		4.0	0.72	m_e mb	4.5
MOX	76.72		P	00:28:00.904	0.0	3.5		5.60		TAS		3.8	0.93	m_e mb	4.5
NRDL	74.93		P	00:27:50.381	-0.3	3.5		5.60		TAS		3.5	0.79	m_e mb	4.4
RJOB	79.57		P	00:28:16.680		3.5		5.60		TAS		2.5	0.72	m_e mb	4.2
ROTZ	77.57		P	00:28:05.845	0.0	3.5		5.60		TAS		2.2	0.85	m_e mb	4.3
TANN	76.91		P	00:28:01.819	0.3	3.5		5.60		TAS		6.3	1.19	m_e mb	4.6
TNS	77.24		P	00:28:03.625	0.3	3.5		5.60		TAS		3.6	0.76	m_e mb	4.6
WET	78.16		P	00:28:09.470		3.5		5.60		TAS		2.1	1.02	m_e mb	4.2
WLF	77.83		P	00:28:06.852	-0.4	3.5		5.60		TAS		5.7	1.01	m_e mb	4.7

Event 1123003 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/23	09:01:10.31			-7.0800	147.5300				87.9	1.2		20	287	121.89	126.65	m i ke	BGR
OrigID 1123009																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	125.63		PKPdf	09:20:01.429	-0.1	54.3		1.95		TAS					m_e	
AHRW	125.63		PKKPab	09:29:39.464	-0.1	232.2		3.85		TAS					m_e	
BFO	126.34		PKPdf	09:20:02.261	0.6	54.3		1.95		TAS					m_e	
BFO	126.34		PKKPab	09:29:36.440	0.0	232.2		3.85		TAS					m_e	
BRG	121.89		SP	09:31:12.944	-0.4	53.7		8.55		TAS					m_e	
BRG	121.89		PKPdf	09:19:54.187	0.1	54.3		1.95		TAS					m_e	
BRG	121.89		SKPdf	09:23:20.663	-0.0	54.3		2.14		TAS					m_e	
BRG	121.89		PKKPab	09:29:53.158	-0.3	232.2		3.85		TAS					m_e	
BSEG	121.97		PKPdf	09:19:54.270	0.0	54.3		1.95		TAS					m_e	
BSEG	121.97		PKKPab	09:29:53.626	-0.2	232.2		3.85		TAS					m_e	
BUG	124.97		PKPdf	09:19:59.937	-0.2	54.3		1.95		TAS					m_e	
BUG	124.97		PKKPab	09:29:41.955	-0.2	232.2		3.85		TAS					m_e	
CLL	122.15		SP	09:31:15.905	-1.0	53.7		8.55		TAS					m_e	
CLL	122.15		PKPdf	09:19:54.354	-0.3	54.3		1.95		TAS					m_e	
CLL	122.15		pPKPdf	09:20:18.795						T__					m_e	
CLL	122.15		PKKPab	09:29:52.573	-0.1	232.2		3.85		TAS					m_e	
CLZ	123.20		SP	09:31:24.196	0.6	53.7		8.55		TAS					m_e	
CLZ	123.20		PKPdf	09:19:56.851	0.2	54.3		1.95		TAS					m_e	
CLZ	123.20		pPKPdf	09:20:21.073						T__					m_e	
CLZ	123.20		SKPdf	09:23:23.372	0.1	54.3		2.14		TAS					m_e	
CLZ	123.20		PKKPab	09:29:49.413	0.5	232.2		3.85		TAS					m_e	
FUR	124.82		PKPdf	09:19:59.721	0.0	54.3		1.95		TAS					m_e	
FUR	124.82		PKKPab	09:29:41.735	-0.2	232.2		3.85		TAS					m_e	
GEC2	123.09		SP	09:31:23.012	0.1	53.7		8.55		TAS					m_e	
GEC2	123.09		PKPdf	09:19:56.601	0.0	54.3		1.95		TAS					m_e	
GEC2	123.09		SKPdf	09:23:23.279	0.0	54.3		2.14		TAS					m_e	
GEC2	123.09		PKKPab	09:29:48.476	0.0	232.2		3.85		TAS					m_e	
GRA1	124.00		PKKPab	09:29:45.550	0.1	232.2		3.85		TAS					m_e	
GTTG	123.58		PKPdf	09:19:57.350	-0.0	54.3		1.95		TAS					m_e	
GTTG	123.58		PKKPab	09:29:47.657	0.2	232.2		3.85		TAS					m_e	
IBBN	124.19		PKPdf	09:19:58.515	0.4	54.3		1.95		TAS					m_e	
IBBN	124.19		PKKPab	09:29:45.082	-0.1	232.2		3.85		TAS					m_e	
MOX	123.25		SP	09:31:25.381	0.6	53.7		8.55		TAS					m_e	
MOX	123.25		PKPdf	09:19:56.601	-0.2	54.3		1.95		TAS					m_e	
MOX	123.25		PKKPab	09:29:48.710	0.3	232.2		3.85		TAS					m_e	
RJOB	124.18		SP	09:31:34.264		53.7		8.55		TAS					m_e	
RJOB	124.18		PKPdf	09:19:59.181	-0.2	54.3		1.95		TAS					m_e	
RJOB	124.18		PKKPab	09:29:44.145	0.1	232.2		3.85		TAS					m_e	
ROTZ	123.42		SP	09:31:27.750	0.4	53.7		8.55		TAS					m_e	
ROTZ	123.42		PKPdf	09:19:57.163	0.0	54.3		1.95		TAS					m_e	
ROTZ	123.42		SKPdf	09:23:23.981		54.3		2.14		TAS					m_e	
ROTZ	123.42		PKKPab	09:29:47.540	0.0	232.2		3.85		TAS					m_e	
STU	125.61		PKPdf	09:20:01.262	-0.6	54.3		1.95		TAS					m_e	
STU	125.61		pPKPdf	09:20:26.027						T__					m_e	
STU	125.61		PKKPab	09:29:39.124	-0.1	232.2		3.85		TAS					m_e	
TANN	122.93		SP	09:31:21.235	-1.2	53.7		8.55		TAS					m_e	

TANN	122.93	PKPdf	09:19:56.185	0.0	54.3	1.95	TAS	m_e
TANN	122.93	SKPdf	09:23:22.827	-0.1	54.3	2.14	TAS	m_e
TANN	122.93	PKKPab	09:29:49.647	0.1	232.2	3.85	TAS	m_e
TNS	125.14	SP	09:31:40.186		53.7	8.55	TAS	m_e
TNS	125.14	PKPdf	09:20:00.430	0.0	54.3	1.95	TAS	m_e
TNS	125.14	PKKPab	09:29:41.219	-0.1	232.2	3.85	TAS	m_e
WET	123.39	SP	09:31:27.157	1.2	53.7	8.55	TAS	m_e
WET	123.39	PKPdf	09:19:57.350	0.2	54.3	1.95	TAS	m_e
WET	123.39	SKPdf	09:23:23.981		54.3	2.14	TAS	m_e
WET	123.39	PKKPab	09:29:47.306	-0.1	232.2	3.85	TAS	m_e
WLF	126.65	PKPdf	09:20:04.009		54.3	1.95	TAS	m_e
WLF	126.65	PKKPab	09:29:35.686	0.1	232.2	3.85	TAS	m_e

Event 1123010 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/23	15:55:14.20		1.10	-55.7500	146.9100				10.1			16	140	151.04	153.58	m i ke	NEIC
	1123072																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.92		PKPbc	16:15:11.809	-0.3	120.0		2.51		TAS					m_e
CLL	152.65		PKPbc	16:15:14.069	0.3	120.0		2.51		TAS					m_e
FBE	152.27		PKPbc	16:15:12.470	-0.6	120.0		2.51		TAS					m_e
GEC2	151.04		PKPbc	16:15:10.438	-0.0	120.0		2.51		TAS					m_e
GRA1	152.87		PKPbc	16:15:14.429		120.0		2.51		TAS					m_e
GUNZ	152.57		PKPbc	16:15:14.374	0.2	120.0		2.51		TAS					m_e
HKWD	152.83		PKPbc	16:15:14.879	-0.1	120.0		2.51		TAS					m_e
NEUB	153.28		PKPbc	16:15:15.379		120.0		2.51		TAS					m_e
PLN	152.73		PKPbc	16:15:14.521	-0.2	120.0		2.51		TAS					m_e
ROHR	152.52		PKPbc	16:15:14.447	0.4	120.0		2.51		TAS					m_e
SCHF	152.69		PKPbc	16:15:14.372	-0.2	120.0		2.51		TAS					m_e
TANN	152.53		PKPbc	16:15:13.973	0.3	120.0		2.51		TAS					m_e
TAUT	153.22		PKPbc	16:15:15.280		120.0		2.51		TAS					m_e
WERD	152.63		PKPbc	16:15:14.372	0.1	120.0		2.51		TAS					m_e
WET	151.66		PKPbc	16:15:11.951	-0.1	120.0		2.51		TAS					m_e
WIMM	153.58		PKPbc	16:15:16.162		120.0		2.51		TAS					m_e

Event 1123011 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/23	20:23:14.25		1.10	-22.5130	-174.3560				35.9	0.8		13	140	148.43	154.15	m i ke	BGR

1123017

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	154.15		PKPbc	20:43:10.097		11.2		2.33		TAS				m_e		
BRG	150.96		PKPbc	20:43:02.733	-0.1	11.2		2.33		TAS				m_e		
BRG	150.96		pPKPbc	20:43:13.663	-0.0	10.9		2.22		TAS				m_e		
BSEG	148.43		PKPbc	20:42:56.671	-0.3	11.2		2.33		TAS				m_e		
BUG	151.10		PKPbc	20:43:03.066	-0.3	11.2		2.33		TAS				m_e		
BUG	151.10		pPKPbc	20:43:14.170	0.1	10.9		2.22		TAS				m_e		
CLL	150.69		PKPbc	20:43:02.289	0.1	11.2		2.33		TAS				m_e		
CLL	150.69		pPKPbc	20:43:13.032	-0.2	10.9		2.22		TAS				m_e		
CLZ	150.50		PKPbc	20:43:02.177	0.5	11.2		2.33		TAS				m_e		
CLZ	150.50		pPKPbc	20:43:12.908	-0.1	10.9		2.22		TAS				m_e		
GEC2	152.95		PKPbc	20:43:07.221		11.2		2.33		TAS				m_e		
GRA1	152.52		PKPbc	20:43:06.843	-0.2	11.2		2.33		TAS				m_e		
GTTG	150.82		PKPbc	20:43:02.511	0.0	11.2		2.33		TAS				m_e		
GTTG	150.82		pPKPbc	20:43:13.167	-0.1	10.9		2.22		TAS				m_e		
IBBN	150.21		PKPbc	20:43:01.289	0.0	11.2		2.33		TAS				m_e		
IBBN	150.21		pPKPbc	20:43:12.122	0.3	10.9		2.22		TAS				m_e		
MOX	151.53		PKPbc	20:43:04.066	-0.0	11.2		2.33		TAS				m_e		
MOX	151.53		pPKPbc	20:43:15.027		10.9		2.22		TAS				m_e		
TANN	151.64		PKPbc	20:43:04.399	0.0	11.2		2.33		TAS				m_e		
WLF	152.90		PKPbc	20:43:07.842		11.2		2.33		TAS				m_e		

Event 1124001 Ryukyu Islands, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/11/24 00:06:34.76 1.10 25.8000 128.5480 28.7 140 86.54 86.54 m i ke BGR
 1124007

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
mb	4.8		BGR	1124007												
GRA1	86.54		P	00:19:14.314		59.1		4.35		TAS		10.1	1.26	m_e mb	4.8	
GRA1	86.54		pP	00:19:22.676						T__				m_e		

Event 1124004 Off east coast of Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/11/24 11:09:01.43 0.51 34.7500 141.9700 33.0 19 159 82.30 87.52 m i ke BGR

1124010

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	1124010
Ms	4.4		BGR	1124010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.21		P	11:21:39.716	-0.3	38.6		5.00		TAS		16.3	1.15	m_e	mb	5.1
BFO	87.52		P	11:21:45.939		38.6		5.00		TAS		31.2	1.06	m_e	mb	5.6
BRG	83.25		P	11:21:24.904	-0.2	38.6		5.00		TAS		17.2	0.98	m_e	mb	5.2
BSEG	82.30		P	11:21:20.183	-0.1	38.6		5.00		TAS		30.8	0.97	m_e	mb	5.4
CLL	83.30		P	11:21:24.992	-0.4	38.6		5.00		TAS		32.2	0.91	m_e	mb	5.5
CLZ	83.92		P	11:21:28.848	0.4	38.6		5.00		TAS		21.5	0.99	m_e	mb	5.3
FUR	86.45		P	11:21:40.855	0.1	38.6		5.00		TAS		25.2	0.77	m_e	mb	5.4
GEC2	84.89		P	11:21:33.318	0.5	38.6		5.00		TAS		11.5	1.13	m_e	mb	5.0
GRA1	85.27		P	11:21:35.480	0.7	38.6		5.00		TAS		31.9	0.82	m_e	mb	5.6
GRA1	85.27		L	12:03:12.483						T__		133.1	18.20	a_e	Ms	4.4
GTTG	84.31		P	11:21:30.426	-0.3	38.6		5.00		TAS		20.0	0.79	m_e	mb	5.4
IBBN	84.53		P	11:21:31.477	0.3	38.6		5.00		TAS		30.5	1.04	m_e	mb	5.5
MOX	84.37		P	11:21:30.404	0.0	38.6		5.00		TAS		11.3	0.92	m_e	mb	5.1
MOX	84.37		L	12:02:16.605						T__		144.2	18.60	a_e	Ms	4.4
NRDL	83.51		P	11:21:26.306	-0.1	38.6		5.00		TAS		9.8	0.84	m_e	mb	5.1
RJOB	86.13		P	11:21:39.716	-0.3	38.6		5.00		TAS		14.7	0.94	m_e	mb	5.1
ROTZ	84.81		P	11:21:33.244	-0.0	38.6		5.00		TAS		29.7	1.49	m_e	mb	5.3
STU	86.82		P	11:21:42.608	-0.5	38.6		5.00		TAS		38.3	1.00	m_e	mb	5.5
TNS	85.95		P	11:21:39.285	-0.2	38.6		5.00		TAS		7.2	0.90	m_e	mb	4.8
WET	85.01		P	11:21:34.457	0.2	38.6		5.00		TAS		12.7	1.21	m_e	mb	5.0
WLF	87.27		P	11:21:45.307		38.6		5.00		TAS		14.4	1.36	m_e	mb	4.9

Event 1124005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/24	12:34:13.41		0.02	-19.8920	170.6580				242.7			19	231	144.03	148.24	m i ke	BGR
OrigID 1124011																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.76		PKPbc	12:53:26.246	-0.1	36.2		3.29		TAS				m_e	
BFO	148.24		PKPbc	12:53:29.703		36.2		3.29		TAS				m_e	
BRG	144.03		PKPbc	12:53:16.223	-0.4	36.2		3.29		TAS				m_e	
BUG	145.91		PKPbc	12:53:22.560	-0.3	36.2		3.29		TAS				m_e	
CLL	144.06		PKPbc	12:53:16.223	0.2	36.2		3.29		TAS				m_e	
CLZ	144.58		PKPbc	12:53:18.642	0.0	36.2		3.29		TAS				m_e	
FUR	147.24		PKPbc	12:53:27.114	0.2	36.2		3.29		TAS				m_e	
GEC2	145.69		PKPbc	12:53:21.984	0.6	36.2		3.29		TAS				m_e	

GRA1	146.04	PKPbc	12:53:23.712	0.4	36.2	3.29	TAS	m_e
GRB2	146.20	PKPbc	12:53:23.846		36.2	3.29	TAS	m_e
GRB2	146.20	pPKPbc	12:54:24.790				T__	m_e
GTTG	144.96	PKPbc	12:53:19.737	-0.3	36.2	3.29	TAS	m_e
IBBN	145.01	PKPbc	12:53:19.852	-0.1	36.2	3.29	TAS	m_e
MOX	145.12	PKPbc	12:53:20.198	0.6	36.2	3.29	TAS	m_e
RJOB	146.92	PKPbc	12:53:25.930	0.0	36.2	3.29	TAS	m_e
ROTZ	145.59	PKPbc	12:53:22.214	0.2	36.2	3.29	TAS	m_e
STU	147.56	PKPbc	12:53:28.032	-0.7	36.2	3.29	TAS	m_e
TANN	144.98	PKPbc	12:53:19.679	0.1	36.2	3.29	TAS	m_e
TAUT	144.81	PKPbc	12:53:19.286	-0.0	36.2	3.29	TAS	m_e
TNS	146.60	PKPbc	12:53:25.440	0.4	36.2	3.29	TAS	m_e
WET	145.81	PKPbc	12:53:22.617	-0.5	36.2	3.29	TAS	m_e
WLF	147.82	PKPbc	12:53:29.472		36.2	3.29	TAS	m_e

Event 1124008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/24	16:01:48.77		0.57	-20.0550	170.2800				33.0			11	170	144.03	145.79	m i	BGR
	1124014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	144.03		PKPbc	16:21:18.485	0.0	36.9		3.23		TAS					m_e
CLL	144.06		PKPbc	16:21:18.305	-0.1	36.9		3.23		TAS					m_e
GEC2	145.67		PKPbc	16:21:23.585		36.9		3.23		TAS					m_e
GUNZ	145.07		PKPbc	16:21:22.025		36.9		3.23		TAS					m_e
NEUB	144.62		PKPbc	16:21:20.204	-0.1	36.9		3.23		TAS					m_e
ROHR	145.18		PKPbc	16:21:22.265		36.9		3.23		TAS					m_e
TANN	144.98		PKPbc	16:21:21.485		36.9		3.23		TAS					m_e
TAUT	144.82		PKPbc	16:21:20.885	-0.0	36.9		3.23		TAS					m_e
WERD	145.01		PKPbc	16:21:21.538		36.9		3.23		TAS					m_e
WET	145.79		PKPbc	16:21:24.010		36.9		3.23		TAS					m_e
WIMM	144.46		PKPbc	16:21:19.556	-0.2	36.9		3.23		TAS					m_e

Event 1124010 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/24	18:35:53.20		0.76	-24.3760	-179.6600				530.0			6	218	151.40	152.36	m i ke	NEIC
	1124049																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.53		PKPbc	18:54:50.909						T__				m_e	
BRG	151.53		pPKPbc	18:56:53.939	-0.0	18.8		2.63		TAS				m_e	
CLL	151.40		PKPbc	18:54:50.412	0.0					T__				m_e	
CLL	151.40		pPKPbc	18:56:53.470	-0.1	18.8		2.63		TAS				m_e	
CLZ	151.52		PKPbc	18:54:51.013						T__				m_e	
CLZ	151.52		pPKPbc	18:56:53.694	-0.2	18.8		2.63		TAS				m_e	
FBE	151.66		PKPbc	18:54:51.377						T__				m_e	
GTTG	151.88		pPKPbc	18:56:54.308		18.8		2.63		TAS				m_e	
MOX	152.36		pPKPbc	18:56:56.010		18.8		2.63		TAS				m_e	
TANN	152.35		pPKPbc	18:56:55.932		18.8		2.63		TAS				m_e	

Event 1125001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/25	00:26:21.16		0.57	-20.5900	-177.3500				492.2	4.5		20	170	146.20	151.95	m i ke	BGR
	1125007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.91		PKPbc	00:45:14.955	-0.1	16.1		2.39		TAS				m_e	
AHRW	149.91		PKPab	00:45:22.537	0.4	14.4		4.26		TAS				m_e	
BFO	151.95		PKPbc	00:45:19.466	-0.2	16.1		2.39		TAS				m_e	
BFO	151.95		PKPab	00:45:30.780		14.4		4.26		TAS				m_e	
BFO	151.95		pPKPbc	00:47:16.420	0.3					T__				m_e	
BRG	148.50		PKPbc	00:45:11.608	0.2	16.1		2.39		TAS				m_e	
BRG	148.50		PKPab	00:45:16.343	-0.1	14.4		4.26		TAS				m_e	
BSEG	146.20		PKPbc	00:45:05.423	-0.6	16.1		2.39		TAS				m_e	
BUG	149.00		PKPbc	00:45:12.646	-0.2	16.1		2.39		TAS				m_e	
BUG	149.00		PKPab	00:45:18.248	0.1	14.4		4.26		TAS				m_e	
CLZ	148.23		PKPbc	00:45:11.025	0.2	16.1		2.39		TAS				m_e	
FUR	151.62		PKPbc	00:45:18.543	-0.3	16.1		2.39		TAS				m_e	
FUR	151.62		PKPab	00:45:29.648		14.4		4.26		TAS				m_e	
GEC2	150.45		PKPbc	00:45:16.119	-0.1	16.1		2.39		TAS				m_e	
GEC2	150.45		PKPab	00:45:24.840	-0.1	14.4		4.26		TAS				m_e	
GEC2	150.45		pPKPbc	00:47:11.906	0.3					T__				m_e	
GRA1	150.17		PKPbc	00:45:15.683	0.3	16.1		2.39		TAS				m_e	
GRA1	150.17		PKPab	00:45:23.832	0.1	14.4		4.26		TAS				m_e	
GRA1	150.17		pPKPbc	00:47:11.044	0.3					T__				m_e	
GTTG	148.58		PKPbc	00:45:11.753	0.1	16.1		2.39		TAS				m_e	
GTTG	148.58		PKPab	00:45:16.745	0.2	14.4		4.26		TAS				m_e	
IBBN	148.09		PKPbc	00:45:10.447	-0.2	16.1		2.39		TAS				m_e	
IBBN	148.09		PKPab	00:45:14.720	0.2	14.4		4.26		TAS				m_e	
MOX	149.18		PKPbc	00:45:13.354	0.3	16.1		2.39		TAS				m_e	

MOX	149.18	PKPab	00:45:19.150	0.1	14.4	4.26	TAS	m_e
NRDL	147.63	PKPbc	00:45:09.207	-0.2	16.1	2.39	TAS	m_e
RJOB	151.70	PKPbc	00:45:18.447	-0.7	16.1	2.39	TAS	m_e
RJOB	151.70	PKPab	00:45:30.530		14.4	4.26	TAS	m_e
ROTZ	149.91	PKPbc	00:45:15.173	0.4	16.1	2.39	TAS	m_e
ROTZ	149.91	PKPab	00:45:22.510	0.1	14.4	4.26	TAS	m_e
ROTZ	149.91	pPKPbc	00:47:11.229	0.3			T__	m_e
STU	151.40	PKPbc	00:45:18.448	0.1	16.1	2.39	TAS	m_e
STU	151.40	PKPab	00:45:28.507	-0.2	14.4	4.26	TAS	m_e
TANN	149.24	PKPbc	00:45:13.427	0.2	16.1	2.39	TAS	m_e
TANN	149.24	PKPab	00:45:19.756	0.1	14.4	4.26	TAS	m_e
TNS	150.07	PKPbc	00:45:15.537	0.3	16.1	2.39	TAS	m_e
TNS	150.07	PKPab	00:45:23.063	-0.3	14.4	4.26	TAS	m_e
WET	150.36	PKPbc	00:45:15.908	0.0	16.1	2.39	TAS	m_e
WET	150.36	PKPab	00:45:24.590	-0.1	14.4	4.26	TAS	m_e
WLF	150.85	PKPbc	00:45:17.720	0.3	16.1	2.39	TAS	m_e
WLF	150.85	PKPab	00:45:26.651	0.2	14.4	4.26	TAS	m_e

Event 1125002 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/25	04:19:43.20		0.57	0.3800	-79.8200				53.0	0.8		10	170	87.10	92.09	m i ke	NEIC
OrigID 1125064																	

Magnitude Err Nsta Author
mb 5.4 BGR

OrigID
1125008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.73		P	04:32:27.274	0.0	271.0		4.79		TAS		49.3	1.49	m_e mb	5.6
AHRW	87.73		pP	04:32:33.982						T__				m_e	
BRG	92.09		P	04:32:47.756		271.0		4.79		TAS		31.5	2.18	m_e mb	5.3
BUG	87.88		pP	04:32:35.154						T__				m_e	
GRA1	90.39		P	04:32:40.137		271.0		4.79		TAS		28.9	1.73	m_e mb	5.2
MOX	90.62		P	04:32:41.325		271.0		4.79		TAS		50.8	2.62	m_e mb	5.4
ROTZ	91.03		P	04:32:43.501		271.0		4.79		TAS		41.3	2.15	m_e mb	5.4
TANN	91.17		P	04:32:43.897		271.0		4.79		TAS		67.8	2.46	m_e mb	5.5
TNS	88.60		P	04:32:31.331	0.4	271.0		4.79		TAS		46.6	1.88	m_e mb	5.4
WET	91.49		P	04:32:45.085		271.0		4.79		TAS		38.8	1.85	m_e mb	5.4
WET	91.49		pP	04:32:52.267						T__				m_e	
WLF	87.10		P	04:32:24.207	-0.1	271.0		4.79		TAS		62.5	1.41	m_e mb	5.5
WLF	87.10		pP	04:32:31.119						T__				m_e	

Event 1125003 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/25	09:27:27.25		0.57	37.9400	74.1700				127.1	0.3		3	170	43.74	48.88	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	1125009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	48.10		P	09:35:53.657	0.1	276.5		202.91		TAS		32.0	0.91	m_e	mb	5.4
BFO	47.78		P	09:35:50.676	-0.2	276.5		202.91		TAS		21.5	1.16	m_e	mb	5.2
BRG	43.74		P	09:35:19.188	-0.6	276.5		202.91		TAS		46.2	0.91	m_e	mb	5.2
BRG	43.74		pP	09:35:48.181	0.6					T__				m_e		
BRG	43.74		PP	09:42:19.464						T__				m_e		
BSEG	45.59		P	09:35:34.187	0.7	276.5		202.91		TAS		63.9	0.79	m_e	mb	5.7
BSEG	45.59		PP	09:37:22.343						T__				m_e		
BUG	47.81		P	09:35:51.234	-0.1	276.5		202.91		TAS		47.3	1.09	m_e	mb	5.5
CLZ	45.83		P	09:35:35.864	0.1	276.5		202.91		TAS		63.6	1.44	m_e	mb	5.4
FBE	44.11		P	09:35:22.301	0.6	276.5		202.91		TAS				m_e		
FUR	45.90		P	09:35:36.516	-0.1	276.5		202.91		TAS		73.7	0.89	m_e	mb	5.7
GEC2	44.19		P	09:35:22.915	0.1	276.5		202.91		TAS		38.5	1.28	m_e	mb	5.0
GRA1	45.65		P	09:35:35.211	-0.1	276.5		202.91		TAS		104.4	1.54	m_e	mb	5.6
GTTG	46.13		P	09:35:38.286	0.1	276.5		202.91		TAS		88.1	0.92	m_e	mb	5.8
GTTG	46.13		PP	09:37:27.127						T__				m_e		
IBBN	47.35		P	09:35:47.694	-0.3	276.5		202.91		TAS		83.1	1.26	m_e	mb	5.7
MOX	45.24		P	09:35:31.112	0.6	276.5		202.91		TAS		25.2	1.00	m_e	mb	5.1
NRDL	45.90		P	09:35:36.516	0.5	276.5		202.91		TAS		64.0	0.95	m_e	mb	5.6
NRDL	45.90		PP	09:37:26.160						T__				m_e		
RJOB	44.97		P	09:35:28.873		276.5		202.91		TAS		13.4	1.17	m_e	mb	4.8
ROTZ	45.00		P	09:35:29.808	-0.3	276.5		202.91		TAS		36.0	1.26	m_e	mb	5.2
STU	47.13		P	09:35:46.018	-0.2	276.5		202.91		TAS		53.7	1.24	m_e	mb	5.5
TANN	44.74		P	09:35:27.200	-0.3	276.5		202.91		TAS		22.4	1.14	m_e	mb	5.0
TNS	47.31		P	09:35:47.322	-0.0	276.5		202.91		TAS		16.7	1.01	m_e	mb	5.1
WET	44.67		P	09:35:26.734	-0.0	276.5		202.91		TAS		27.5	1.15	m_e	mb	5.1
WIMM	45.18		P	09:35:30.484	0.6	276.5		202.91		TAS				m_e		
WIMM	45.18		pP	09:35:59.600						T__				m_e		
WLF	48.88		P	09:35:59.898		276.5		202.91		TAS		50.3	0.91	m_e	mb	5.5

Event 1125006 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/25	16:15:33.00		0.49	-22.7560	171.4270				48.0			17	132	146.91	148.68	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
BRG	146.91		PKPbc	16:35:09.435	-0.3	37.2		2.79		TAS				m_e	
FBE	147.11		PKPbc	16:35:10.551		37.2		2.79		TAS				m_e	
GEC2	148.54		PKPbc	16:35:13.843		37.2		2.79		TAS				m_e	
GUNZ	147.96		PKPbc	16:35:13.446	0.1	37.2		2.79		TAS				m_e	
HKWD	147.62		PKPbc	16:35:12.171	0.4	37.2		2.79		TAS				m_e	
NEUB	147.51		PKPbc	16:35:11.958	0.1	37.2		2.79		TAS				m_e	
ROHR	148.06		PKPbc	16:35:13.658		37.2		2.79		TAS				m_e	
ROTZ	148.47		PKPbc	16:35:12.983		37.2		2.79		TAS				m_e	
SCHD	148.25		PKPbc	16:35:14.083		37.2		2.79		TAS				m_e	
SCHF	147.68		PKPbc	16:35:12.596	-0.1	37.2		2.79		TAS				m_e	
TANN	147.87		PKPbc	16:35:12.230	0.3	37.2		2.79		TAS				m_e	
TAUT	147.71		PKPbc	16:35:12.454	-0.4	37.2		2.79		TAS				m_e	
WERD	147.90		PKPbc	16:35:13.092	0.3	37.2		2.79		TAS				m_e	
WERN	148.00		PKPbc	16:35:13.233	-1.2	37.2		2.79		TAS				m_e	
WET	148.68		PKPbc	16:35:14.101		37.2		2.79		TAS				m_e	
WIMM	147.35		PKPbc	16:35:11.462	-0.1	37.2		2.79		TAS				m_e	

Event 1125007 Western Gulf of Aden

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/25	22:41:16.69		0.49	11.6820	44.2060				33.0			8	132	44.88	49.22	m i ke	BGR
OrigID 1125013																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 1125013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	49.22		P	22:50:03.410		132.9		7.83		TAS		21.0	1.13	m_e mb	5.1
FBE	46.53		P	22:49:41.293	-0.1	132.9		7.83		TAS		37.6	1.67	m_e mb	5.3
GEC2	44.88		P	22:49:28.941		132.9		7.83		TAS		21.3	1.32	m_e mb	4.9
GRA1	46.64		P	22:49:42.664		132.9		7.83		TAS		12.2	1.39	m_e mb	4.8
GUNZ	46.59		P	22:49:42.522		132.9		7.83		TAS		23.5	1.40	m_e mb	5.1
MOX	47.11		P	22:49:46.237	0.1	132.9		7.83		TAS		21.6	1.40	m_e mb	5.1
NEUB	47.42		P	22:49:48.701	-0.2	132.9		7.83		TAS		26.9	1.61	m_e mb	5.1
PLN	46.75		P	22:49:43.262		132.9		7.83		TAS		18.8	1.32	m_e mb	5.1
ROTZ	46.23		P	22:49:38.916		132.9		7.83		TAS		15.7	1.53	m_e mb	4.8
WERD	46.66		P	22:49:42.856		132.9		7.83		TAS		16.3	1.23	m_e mb	5.0

Event 1126001 North of Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/26	06:16:47.00			18.8500	-81.5800				10.0					77.63	77.63	m i ke	NEIC
OrigID																	

1126064

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	1126007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.63		P	06:28:46.994		284.5		6.65		TAS		15.8	1.70	m_e	mb 4.9

Event 1126003 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/26	12:33:42.86		0.66	27.1700	51.9100				33.0			21	242	36.54	41.48	m i ke	BGR
OrigID 1126009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	1126009
Ms	4.8		BGR	1126009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	41.16		P	12:41:24.888	0.0	111.4		8.51		TAS		38.7	1.08	a_e	mb 5.1
BFO	39.74		P	12:41:12.488	0.2	111.4		8.51		TAS		62.8	1.55	a_e	mb 5.0
BRG	37.21		P	12:40:50.738	-0.4	111.4		8.51		TAS		73.4	1.32	a_e	mb 5.2
BSEG	40.51		P	12:41:18.738	0.3	111.4		8.51		TAS		172.4	1.22	a_e	mb 5.6
BUG	41.32		P	12:41:26.188	-0.1	111.4		8.51		TAS		92.1	1.20	a_e	mb 5.4
CLL	37.93		P	12:40:56.988	-0.3	111.4		8.51		TAS		112.5	1.17	m_e	mb 5.5
CLZ	39.65		P	12:41:11.938	0.0	111.4		8.51		TAS		97.9	0.88	a_e	mb 5.4
FUR	37.81		P	12:40:56.588	0.6	111.4		8.51		TAS		282.5	1.39	a_e	mb 5.8
GEC2	36.54		S	12:46:26.918	-1.4					T__					m_e
GEC2	36.54		P	12:40:45.507	-0.0	111.4		8.51		TAS		40.5	1.46	m_e	mb 4.9
GRA1	38.36		P	12:41:01.088	0.0	111.4		8.51		TAS		139.8	1.38	a_e	mb 5.5
GRA1	38.36		L	12:58:37.823						T__		1659.0	20.10	a_e	Ms 4.8
GTTG	39.78		P	12:41:13.088	0.0	111.4		8.51		TAS		66.0	1.18	a_e	mb 5.1
IBBN	41.33		P	12:41:26.438	0.2	111.4		8.51		TAS		147.1	1.17	a_e	mb 5.6
MOX	38.47		P	12:41:01.759	-0.3	111.4		8.51		TAS		32.4	1.01	m_e	mb 5.0
NRDL	40.05		P	12:41:15.738	0.6	111.4		8.51		TAS		257.7	1.18	a_e	mb 5.7
RJOB	36.71		P	12:40:47.355	0.8	111.4		8.51		TAS		59.4	1.40	m_e	mb 5.1
ROTZ	37.79		P	12:40:56.747	0.5	111.4		8.51		TAS		104.4	1.38	m_e	mb 5.4
STU	39.32		P	12:41:08.188	-0.7	111.4		8.51		TAS		36.4	1.00	a_e	mb 5.0
TANN	37.89		S	12:46:46.393	-1.4					T__					m_e
TANN	37.89		P	12:40:56.404	-0.6	111.4		8.51		TAS		57.1	1.62	m_e	mb 5.0
TNS	40.23		P	12:41:17.038	0.1	111.4		8.51		TAS		101.8	1.31	m_e	mb 5.3
WET	37.16		P	12:40:50.288	-0.5	111.4		8.51		TAS		38.2	1.26	a_e	mb 5.0
WLF	41.48		P	12:41:26.888	-0.5	111.4		8.51		TAS		81.9	1.21	a_e	mb 5.3

Event 1126004 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/26	13:01:55.80		0.66	10.7500	-43.8400				10.1				242	59.58	59.58	m i ke	NEIC
OrigID 1126066																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	1126010
Ms	4.5		BGR	1126010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	59.58		P	13:12:04.493		249.1		6.59		TAS		21.3	1.35	m_e	mb 5.0
GRA1	59.58		L	13:32:09.034						T__		387.8	21.20	a_e	Ms 4.5

Event 1127001 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/27	02:44:37.11		0.89	8.0170	-44.1300				33.0				197	61.90	61.90	m i ke	BGR
OrigID 1127007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	1127007
Ms	4.9		BGR	1127007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	61.90		P	02:54:53.938		246.7		6.53		TAS		12.9	1.27	m_e	mb 5.0
GRA1	61.90		L	03:14:44.372						T__		978.0	21.70	a_e	Ms 4.9

Event 1127002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2010/11/27	05:53:15.60		0.89	-23.7000	-176.3100				55.7				14	197	151.51	152.58	m i ke	NEIC
OrigID 1127065																		

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.73		PKP	06:13:02.986	0.0	13.8		2.50		TAS				m_e	
CLL	151.51		PKP	06:13:02.083	-0.2	13.8		2.50		TAS				m_e	
FBE	151.81		PKP	06:13:03.457	0.3	13.8		2.50		TAS				m_e	
HKWD	152.11		PKP	06:13:03.783	0.0	13.8		2.50		TAS				m_e	
MOX	152.41		PKP	06:13:04.371	-0.1	13.8		2.50		TAS				m_e	

MULD	152.48	PKP	06:13:04.618		13.8		2.50		TAS		m_e
NEUB	151.85	PKP	06:13:02.910	-0.2	13.8		2.50		TAS		m_e
PLN	152.46	PKP	06:13:04.554	-0.1	13.8		2.50		TAS		m_e
SCHD	152.58	PKP	06:13:05.108	-0.1	13.8		2.50		TAS		m_e
SCHF	152.23	PKP	06:13:04.285	0.2	13.8		2.50		TAS		m_e
TANN	152.47	PKP	06:13:04.589	-0.1	13.8		2.50		TAS		m_e
TAUT	152.06	PKP	06:13:03.760	0.3	13.8		2.50		TAS		m_e
WERD	152.47	PKP	06:13:04.580	-0.1	13.8		2.50		TAS		m_e
WIMM	151.58	PKP	06:13:02.374	-0.0	13.8		2.50		TAS		m_e

Event 1127003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/27	05:56:21.90		0.89	-16.9000	-174.3500				118.0			6	197	144.63	148.58	m i ke	NEIC
OrigID 1127066																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.58		PKP	06:15:54.991		4.7		3.08		TAS					m_e
BUG	145.52		PKP	06:15:46.215		4.7		3.08		TAS					m_e
CLL	145.18		PKP	06:15:44.992	1.0	4.7		3.08		TAS					m_e
CLZ	144.94		PKP	06:15:44.704	0.1	4.7		3.08		TAS					m_e
GEC2	147.47		PKP	06:15:52.359		4.7		3.08		TAS					m_e
GRA1	146.98		PKP	06:15:51.870		4.7		3.08		TAS					m_e
GTTG	145.26		PKP	06:15:45.495		4.7		3.08		TAS					m_e
IBBN	144.63		PKP	06:15:43.625		4.7		3.08		TAS					m_e
MOX	146.00		PKP	06:15:47.581		4.7		3.08		TAS					m_e
ROTZ	146.79		PKP	06:15:50.531		4.7		3.08		TAS					m_e
TNS	146.68		PKP	06:15:49.452		4.7		3.08		TAS					m_e

Event 1127004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/27	07:20:55.93		0.89	-20.0320	170.3340				33.0			10	197	144.03	145.80	m i ke	BGR
OrigID 1127010																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 1127010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	144.03		PKPbc	07:40:25.275	-0.3	36.8		3.25		TAS					m_e
CLL	144.06		PKPbc	07:40:25.148	0.2	36.8		3.25		TAS					m_e

CLZ	144.59	PKPbc	07:40:27.467	0.3	36.8		3.25	TAS		m_e
GEC2	145.67	PKPbc	07:40:30.646		36.8		3.25	TAS		m_e
GTTG	144.98	PKPbc	07:40:28.795	0.0	36.8		3.25	TAS		m_e
IBBN	145.04	PKPbc	07:40:28.674	0.1	36.8		3.25	TAS		m_e
MOX	145.12	PKPbc	07:40:28.875	-0.1	36.8		3.25	TAS		m_e
ROTZ	145.59	PKPbc	07:40:30.499	-0.1	36.8		3.25	TAS		m_e
TANN	144.98	PKPbc	07:40:28.754	-0.4	36.8		3.25	TAS		m_e
WET	145.80	PKPbc	07:40:30.961		36.8		3.25	TAS		m_e

Event 1127006 Myanmar-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/27	14:34:51.46		0.89	23.5030	93.4560				33.0				197	67.54	67.54	m i ke	BGR
OrigID 1127012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	1127012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	67.54		P	14:45:44.008		87.6		5.43		TAS		8.1	1.20	m_e mb	4.8

Event 1127007 North of Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/27	18:11:13.70		0.89	3.8400	128.0900				62.8				197	104.02	104.02	m i ke	NEIC
OrigID 1127069																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	104.02		PP	18:29:34.201						T__				m_e	

Event 1127008 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/27	19:29:56.48		0.89	57.5000	155.5000				33.0				15 197	65.37	71.09	m i ke	BGR
OrigID 1127014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	1127014

Ms 4.7 BGR 1127014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	71.09		P	19:41:13.850		19.5		6.25		TAS		42.5	1.88	m_e	mb	5.3
BRG	67.46		P	19:40:52.532	0.0	19.5		6.25		TAS		64.7	1.83	m_e	mb	5.5
BSEG	65.37		P	19:40:39.686	0.1	19.5		6.25		TAS		57.9	1.85	m_e	mb	5.5
CLL	67.27		P	19:40:51.108	-0.3	19.5		6.25		TAS		58.2	1.41	m_e	mb	5.6
CLZ	67.33		P	19:40:52.157	-0.5	19.5		6.25		TAS		69.2	1.55	m_e	mb	5.7
FUR	70.61		P	19:41:13.524		19.5		6.25		TAS		90.0	1.87	m_e	mb	5.6
GEC2	69.41		P	19:41:04.977		19.5		6.25		TAS		38.8	1.68	m_e	mb	5.3
GRA1	69.18		P	19:41:03.572	-1.6	19.5		6.25		TAS		49.0	1.46	m_e	mb	5.5
GRA1	69.18		L	20:18:54.819						T__		439.5	18.20	a_e	Ms	4.7
MOX	68.20		P	19:40:57.180	1.2	19.5		6.25		TAS		63.2	1.82	m_e	mb	5.5
NRDL	66.77		P	19:40:48.284	-0.1	19.5		6.25		TAS		50.7	1.85	m_e	mb	5.4
RJOB	70.66		P	19:41:12.735		19.5		6.25		TAS		49.2	1.98	m_e	mb	5.3
ROTZ	68.89		P	19:41:01.940	0.0	19.5		6.25		TAS		47.2	1.60	m_e	mb	5.5
TANN	68.23		P	19:40:57.630	0.0	19.5		6.25		TAS		61.6	1.81	m_e	mb	5.5
TNS	69.26		P	19:41:05.145	1.0	19.5		6.25		TAS		104.8	2.17	m_e	mb	5.7
WET	69.32		P	19:41:04.602	-0.1	19.5		6.25		TAS		59.2	1.67	m_e	mb	5.4

Event 1128001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/28	02:08:31.19		0.89	-19.6700	-177.6300				33.0			13	197	145.25	151.00	m i ke	BGR
	1128007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.00		PKPab	02:28:27.290		15.8		2.75		TAS				m_e	
BRG	147.54		PKPbc	02:28:11.745	0.1	15.8		2.75		TAS				m_e	
BSEG	145.25		PKPbc	02:28:04.741	-0.5	15.8		2.75		TAS				m_e	
CLL	147.33		PKPbc	02:28:10.754	0.2	15.8		2.75		TAS				m_e	
CLZ	147.29		PKPbc	02:28:11.255	-0.2	15.8		2.75		TAS				m_e	
FUR	150.68		PKPbc	02:28:19.950		15.8		2.75		TAS				m_e	
GEC2	149.50		PKPbc	02:28:17.185		15.8		2.75		TAS				m_e	
MOX	148.23		PKPbc	02:28:13.859	0.3	15.8		2.75		TAS				m_e	
NRDL	146.69		PKPbc	02:28:08.924	-0.3	15.8		2.75		TAS				m_e	
RJOB	150.75		PKPbc	02:28:19.847		15.8		2.75		TAS				m_e	
RJOB	150.75		PKPab	02:28:26.872		15.8		2.75		TAS				m_e	
ROTZ	148.96		PKPbc	02:28:15.765		15.8		2.75		TAS				m_e	
TANN	148.29		PKPbc	02:28:13.844	-0.2	15.8		2.75		TAS				m_e	
TNS	149.13		PKPbc	02:28:16.085	-0.6	15.8		2.75		TAS				m_e	

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
1128003 Eastern New Guinea, Papua New Guinea, region	2010/11/28	17:38:48.50		0.88	-6.5300	147.3500				60.6			13	97	121.33	122.97	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
BRG	121.33		PKP	17:57:35.373	-0.2	57.4		1.83		TAS					m_e
CLL	121.59		PKP	17:57:35.803	-0.3	57.4		1.83		TAS					m_e
FBE	121.62		PKP	17:57:36.377	0.3	57.4		1.83		TAS					m_e
GEC2	122.54		PKP	17:57:37.738		57.4		1.83		TAS					m_e
GUNZ	122.47		PKP	17:57:37.738	-0.5	57.4		1.83		TAS					m_e
MULD	122.41		PKP	17:57:37.667	0.0	57.4		1.83		TAS					m_e
NEUB	122.30		PKP	17:57:37.953	-0.1	57.4		1.83		TAS					m_e
SCHD	122.97		PKP	17:57:38.455		57.4		1.83		TAS					m_e
SCHF	122.26		PKP	17:57:37.667	0.6	57.4		1.83		TAS					m_e
TANN	122.37		PKP	17:57:37.380	0.1	57.4		1.83		TAS					m_e
TAUT	122.45		PKP	17:57:37.667	0.0	57.4		1.83		TAS					m_e
TRIB	122.58		PKP	17:57:37.380		57.4		1.83		TAS					m_e
WIMM	122.25		PKP	17:57:37.093	0.4	57.4		1.83		TAS					m_e

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
1128004 Banda Sea	2010/11/28	19:45:20.13		0.88	-6.6040	130.6580				33.0				97	113.83	113.83	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	113.83		PKP	20:03:48.680		106.7		2.90		TAS					m_e

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
1129001 Southern Mid-Atlantic Ridge	2010/11/29	01:37:18.14			-17.7530	-11.7180				33.0				70.15	70.15	m i ke	BGR	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	1129007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	70.15		P	01:48:29.563		203.1		6.61		TAS		15.7	1.49	m_e	mb 4.9

Event 1129005 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
2010/11/29	14:55:38.26		0.28	54.3940	162.9220				33.0				164	73.59	73.59	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb 4.9			BGR	1129011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.59		P	15:07:06.516		14.1		5.05		TAS		17.4	1.48	m_e	mb 4.9

Event 1129006 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
2010/11/29	15:02:13.54		0.28	34.0020	140.5850				33.0				164	85.35	85.35	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb 5.1			BGR	1129012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.35		P	15:14:46.264		46.3		4.70		TAS		14.1	1.12	m_e	mb 5.1

Event 1129007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/29	20:11:49.57		0.28	-17.5700	-174.0400				128.8	4.7		19	164	145.00	149.40	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.26		PKPbc	20:31:22.778		9.2		3.05		TAS				m_e	
BFO	149.26		PKPab	20:31:25.545						T__				m_e	
BRG	146.17		PKPbc	20:31:13.710	-0.3	9.2		3.05		TAS				m_e	

BUG	146.19	PKPbc	20:31:13.533	-0.1	9.2	3.05	TAS	m_e
CLL	145.88	PKPbc	20:31:12.113	-0.0	9.2	3.05	TAS	m_e
CLZ	145.63	PKPbc	20:31:11.758	-0.5	9.2	3.05	TAS	m_e
FUR	149.18	PKPbc	20:31:22.915		9.2	3.05	TAS	m_e
GEC2	148.18	PKPbc	20:31:19.847	-0.2	9.2	3.05	TAS	m_e
GRA1	147.68	PKPbc	20:31:18.414	0.2	9.2	3.05	TAS	m_e
GTTG	145.95	PKPbc	20:31:12.823	0.1	9.2	3.05	TAS	m_e
IBBN	145.31	PKPbc	20:31:11.209	-0.1	9.2	3.05	TAS	m_e
MOX	146.69	PKPbc	20:31:15.042	0.1	9.2	3.05	TAS	m_e
NRDL	145.00	PKPbc	20:31:09.994	0.1	9.2	3.05	TAS	m_e
RJOB	149.40	PKPbc	20:31:22.918		9.2	3.05	TAS	m_e
RJOB	149.40	pPKPbc	20:31:58.097				T__	m_e
ROTZ	147.49	PKPbc	20:31:17.882	0.3	9.2	3.05	TAS	m_e
ROTZ	147.49	pPKPbc	20:31:50.817				T__	m_e
STU	148.77	PKPbc	20:31:21.335		9.2	3.05	TAS	m_e
STU	148.77	PKPab	20:31:23.771				T__	m_e
TANN	146.82	PKPbc	20:31:15.574	0.0	9.2	3.05	TAS	m_e
TNS	147.37	PKPbc	20:31:17.260	0.3	9.2	3.05	TAS	m_e
WET	148.01	PKPbc	20:31:19.406	0.2	9.2	3.05	TAS	m_e
WLF	147.99	PKPbc	20:31:19.720	-0.1	9.2	3.05	TAS	m_e

Event 1130001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/30	00:49:22.55		0.28	-17.9900	-175.6000				33.0			17	164	145.28	149.57	m i ke	BGR
	1130007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.57		PKPbc	01:09:07.925		10.8		2.77		TAS				m_e	
BRG	146.32		PKPbc	01:08:59.513	0.2	10.8		2.77		TAS				m_e	
CLL	146.06		PKPbc	01:08:58.570	0.3	10.8		2.77		TAS				m_e	
CLZ	145.89		PKPbc	01:08:58.332	0.0	10.8		2.77		TAS				m_e	
FUR	149.39		PKPbc	01:09:07.959		10.8		2.77		TAS				m_e	
FUR	149.39		PKPab	01:09:12.852						T__				m_e	
GEC2	148.31		PKPbc	01:09:05.174		10.8		2.77		TAS				m_e	
GRA1	147.90		PKPab	01:09:07.061						T__				m_e	
GRFO	147.90		PKPab	01:09:07.379						T__				m_e	
GTTG	146.23		PKPbc	01:08:59.109	-0.2	10.8		2.77		TAS				m_e	
IBBN	145.66		PKPbc	01:08:57.286	0.2	10.8		2.77		TAS				m_e	
NRDL	145.28		PKPbc	01:08:56.140	-0.3	10.8		2.77		TAS				m_e	
RJOB	149.54		PKPbc	01:09:08.098		10.8		2.77		TAS				m_e	
ROTZ	147.68		PKPbc	01:09:03.711	-0.4	10.8		2.77		TAS				m_e	
ROTZ	147.68		PKPab	01:09:06.003						T__				m_e	
STU	149.05		PKPbc	01:09:06.836		10.8		2.77		TAS				m_e	

STU	149.05	PKPab	01:09:11.014							T__							m_e
TANN	147.01	PKPbc	01:09:01.670	0.0	10.8					TAS							m_e
TNS	147.68	PKPbc	01:09:03.332	-0.1	10.8					TAS							m_e
TNS	147.68	PKPab	01:09:06.021							T__							m_e
WLF	148.37	PKPbc	01:09:05.612	0.1	10.8					TAS							m_e

Event 1130002 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/30	03:24:48.100		0.28	29.8500	140.0500				507.6	21.4		23	164	85.93	91.56	m i ke	BGR
	1130008																

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	1130008
MBB	6.5		BGR	1130008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.80		P	03:36:50.645	0.1	42.6		4.66		TAS		150.3	1.37	a_e	MBB 6.3
BFO	90.98		SS	03:53:23.469						T__				m_e	
BFO	90.98		P	03:36:55.695	-0.3	42.6		4.66		TAS		299.8	1.38	a_e	MBB 6.7
BRG	86.63		sS	03:49:41.474						T__				m_e	
BRG	86.63		P	03:36:35.645	-0.1	42.6		4.66		TAS		200.2	1.41	a_e	MBB 6.4
BSEG	85.93		S	03:46:22.143						T__				m_e	
BSEG	85.93		sS	03:49:33.997						T__				m_e	
BSEG	85.93		P	03:36:32.545	0.1	42.6		4.66		TAS		113.2	1.02	m_e	MBB 6.4
BSEG	85.93		pP	03:38:19.392	0.3					T__				m_e	
BUG	89.03		P	03:36:46.595	-0.4	42.6		4.66		TAS		236.7	1.61	a_e	MBB 6.4
CLL	86.74		sS	03:49:39.339						T__				m_e	
CLL	86.74		P	03:36:35.845	-0.4	42.6		4.66		TAS		176.2	1.15	a_e	MBB 6.4
CLL	86.74		pP	03:38:22.824	0.3					T__				m_e	
CLZ	87.46		sS	03:49:50.424						T__				m_e	
CLZ	87.46		P	03:36:39.895	0.2	42.6		4.66		TAS		209.2	1.43	a_e	MBB 6.3
ECH	91.56		P	03:36:58.295	-0.5	42.6		4.66		TAS		198.5	1.41	a_e	mb 6.2
FUR	89.80		sS	03:50:01.078						T__				m_e	
FUR	89.80		P	03:36:50.695	0.2	42.6		4.66		TAS		665.7	1.38	a_e	MBB 6.9
FUR	89.80		pP	03:38:38.548	0.3					T__				m_e	
GEC2	88.19		SS	03:52:45.016						T__				m_e	
GEC2	88.19		P	03:36:42.695	-0.3	42.6		4.66		TAS		165.6	1.29	a_e	MBB 6.4
GRA1	88.69		S	03:46:47.191						T__				m_e	
GRA1	88.69		sS	03:49:53.415						T__				m_e	
GRA1	88.69		SS	03:52:53.888						T__				m_e	
GRA1	88.69		P	03:36:45.695	0.3	42.6		4.66		TAS		333.1	1.30	a_e	MBB 6.7
GRFO	88.69		P	03:36:45.795	0.4	42.6		4.66		TAS		308.2	1.30	a_e	MBB 6.7
GRFO	88.69		pP	03:38:42.128	0.3					T__				m_e	
GTTG	87.85		P	03:36:41.495	0.0	42.6		4.66		TAS		209.7	1.65	a_e	MBB 6.5
GTTG	87.85		pP	03:38:29.133	0.3					T__				m_e	

IBBN	88.17	sS	03:49:48.921						T__						m_e
IBBN	88.17	P	03:36:42.745	-0.2	42.6		4.66		TAS	435.3	1.33	a_e	MBB		6.7
MOX	87.82	S	03:46:30.276						T__						m_e
MOX	87.82	P	03:36:41.295	-0.0	42.6		4.66		TAS	124.5	1.27	a_e	MBB		6.5
NRDL	87.09	P	03:36:37.895	-0.0	42.6		4.66		TAS	85.6	1.31	a_e	MBB		6.2
RJOB	89.41	P	03:36:48.645	-0.1	42.6		4.66		TAS	212.6	1.09	a_e	MBB		6.5
ROTZ	88.20	P	03:36:43.545	0.4	42.6		4.66		TAS	273.3	1.36	a_e	MBB		6.6
ROTZ	88.20	pP	03:38:32.007	0.3					T__						m_e
STU	90.27	sS	03:50:00.354						T__						m_e
STU	90.27	P	03:36:52.595	-0.1	42.6		4.66		TAS	337.9	1.37	a_e	MBB		6.6
TANN	87.62	P	03:36:40.395	0.0	42.6		4.66		TAS	201.9	1.67	a_e	MBB		6.4
TNS	89.48	S	03:46:52.147						T__						m_e
TNS	89.48	P	03:36:49.195	0.1	42.6		4.66		TAS	72.7	0.89	a_e	MBB		6.4
WET	88.35	P	03:36:43.895	0.1	42.6		4.66		TAS	210.7	1.58	a_e	MBB		6.5
WLF	90.86	P	03:36:55.895	0.4	42.6		4.66		TAS						a_e

Event 1130003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2010/11/30	05:16:01.38		0.28	-22.7500	-178.2600				33.0					14	164	148.19	153.94	m i ke BGR
OrigID 1130009																		

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.94		PKPbc	05:35:57.708		17.4		2.48		TAS					m_e
BRG	150.36		PKPbc	05:35:49.340	0.4	17.4		2.48		TAS					m_e
BSEG	148.19		PKPbc	05:35:43.320	-0.5	17.4		2.48		TAS					m_e
CLL	150.18		PKPbc	05:35:48.640	0.5	17.4		2.48		TAS					m_e
CLZ	150.20		PKPbc	05:35:49.200	0.1	17.4		2.48		TAS					m_e
FUR	153.52		PKPab	05:36:08.913						T__					m_e
GEC2	152.28		PKPbc	05:35:53.820		17.4		2.48		TAS					m_e
GTTG	150.56		PKPab	05:35:56.162						T__					m_e
IBBN	150.13		PKPab	05:35:54.306						T__					m_e
MOX	151.11		PKPbc	05:35:51.058	0.2	17.4		2.48		TAS					m_e
MOX	151.11		PKPab	05:35:58.403						T__					m_e
ROTZ	151.80		PKPbc	05:35:52.910	-0.3	17.4		2.48		TAS					m_e
TANN	151.14		PKPbc	05:35:51.510	-0.1	17.4		2.48		TAS					m_e
TANN	151.14		PKPab	05:35:58.837						T__					m_e
TNS	152.08		PKPbc	05:35:53.638		17.4		2.48		TAS					m_e
WET	152.22		PKPbc	05:35:53.717		17.4		2.48		TAS					m_e
WET	152.22		PKPab	05:36:03.778						T__					m_e

Event	1130004	Xizang																
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2010/11/30	08:40:09.89		0.10	31.0200	89.2200				33.0			19	212	57.66	62.80	m i ke	BGR	
OrigID 1130010																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	1130010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	61.98		P	08:50:27.754		77.3		6.84		TAS		41.3	1.07	m_e	mb 5.6
BFO	61.80		P	08:50:25.501	0.0	77.3		6.84		TAS		87.3	1.71	m_e	mb 5.7
BRG	57.66		P	08:49:57.644	-0.0	77.3		6.84		TAS		58.1	1.20	m_e	mb 5.5
BSEG	59.25		P	08:50:08.291	0.1	77.3		6.84		TAS		79.6	1.07	m_e	mb 5.7
BUG	61.63		P	08:50:24.254	0.5	77.3		6.84		TAS		67.5	1.20	m_e	mb 5.7
CLL	58.16		P	08:50:00.320	-0.8	77.3		6.84		TAS		44.6	1.25	m_e	mb 5.4
CLZ	59.66		P	08:50:11.388	0.1	77.3		6.84		TAS		107.6	1.05	m_e	mb 5.8
FUR	59.94		P	08:50:13.216	0.1	77.3		6.84		TAS		105.3	1.25	m_e	mb 5.7
GEC2	58.21		P	08:50:01.781	0.5	77.3		6.84		TAS		85.8	1.29	m_e	mb 5.6
GRA1	59.61		P	08:50:11.383	0.4	77.3		6.84		TAS		112.9	1.37	m_e	mb 5.7
MOX	59.15		P	08:50:07.981	0.1	77.3		6.84		TAS		49.7	1.21	m_e	mb 5.4
NRDL	59.67		P	08:50:11.383	0.1	77.3		6.84		TAS		143.9	1.13	m_e	mb 5.9
RJOB	59.05		P	08:50:06.567	-0.3	77.3		6.84		TAS		16.9	1.01	m_e	mb 5.0
ROTZ	58.97		P	08:50:07.247	0.6	77.3		6.84		TAS		114.0	1.26	m_e	mb 5.8
STU	61.13		P	08:50:20.892	0.3	77.3		6.84		TAS		104.3	1.14	m_e	mb 5.6
TANN	58.67		P	08:50:04.144	-0.5	77.3		6.84		TAS		44.5	1.18	m_e	mb 5.4
TNS	61.22		P	08:50:22.316	-0.4	77.3		6.84		TAS		64.2	1.02	m_e	mb 5.4
WET	58.68		P	08:50:04.588	0.0	77.3		6.84		TAS		52.2	1.30	m_e	mb 5.4
WLF	62.80		P	08:50:32.844		77.3		6.84		TAS		158.4	1.29	m_e	mb 6.0

Event	1130005	Bering Sea															
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/30	08:42:43.33		0.10	55.3000	-171.2500				42.0	1.8		19	212	71.12	77.28	m i ke	BGR
OrigID 1130011																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.52		P	08:54:17.652	0.6	1.7		5.83		TAS		24.6	1.28	m_e	
BFO	76.74		P	08:54:30.333	-0.1	1.7		5.83		TAS		44.0	1.52	m_e	
BFO	76.74		pP	08:54:42.054						T__				m_e	
BRG	74.11		P	08:54:14.973	-0.2	1.7		5.83		TAS		25.3	1.25	m_e	
BSEG	71.12		P	08:53:57.955	0.0	1.7		5.83		TAS		28.6	0.95	m_e	
BSEG	71.12		pP	08:54:10.340						T__				m_e	
CLL	73.70		P	08:54:13.246	-0.2	1.7		5.83		TAS		31.2	1.24	m_e	

CLL	73.70	pP	08:54:24.832							T__						m_e
CLZ	73.22	P	08:54:09.805	-0.3	1.7		5.83			TAS	32.4	1.00				m_e
CLZ	73.22	pP	08:54:22.302							T__						m_e
FUR	76.89	P	08:54:31.083		1.7		5.83			TAS	37.8	1.05				m_e
GEC2	76.14	P	08:54:27.058	-0.3	1.7		5.83			TAS	26.2	1.30				m_e
GRA1	75.36	P	08:54:22.653	0.3	1.7		5.83			TAS	45.0	1.00				m_e
GRA1	75.36	pP	08:54:34.322							T__						m_e
GTTG	73.52	P	08:54:11.485	-0.4	1.7		5.83			TAS	50.1	1.12				m_e
IBBN	72.76	P	08:54:07.650	0.2	1.7		5.83			TAS	51.1	1.06				m_e
MOX	74.40	P	08:54:16.818	-0.0	1.7		5.83			TAS	20.2	0.95				m_e
MOX	74.40	pP	08:54:28.785							T__						m_e
NRDL	72.57	P	08:54:05.975	-0.4	1.7		5.83			TAS	37.5	1.28				m_e
NRDL	72.57	pP	08:54:18.406							T__						m_e
RJOB	77.28	P	08:54:33.642		1.7		5.83			TAS	15.4	0.86				m_e
ROTZ	75.26	P	08:54:22.244	0.4	1.7		5.83			TAS	31.3	1.56				m_e
TANN	74.61	P	08:54:18.807	0.2	1.7		5.83			TAS	30.6	1.57				m_e
TNS	74.85	P	08:54:19.855	0.2	1.7		5.83			TAS	84.1	2.00				m_e
TNS	74.85	pP	08:54:31.536							T__						m_e
WET	75.87	P	08:54:25.868	-0.0	1.7		5.83			TAS	21.4	1.25				m_e
WLF	75.38	P	08:54:23.101	0.1	1.7		5.83			TAS	135.7	1.90				m_e

Event 1130007 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2010/11/30	10:45:09.00		0.65	52.1100	-169.3500				10.0					136	78.58	78.58	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	1130013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.58		P	10:57:10.023		0.4		4.85		TAS		9.9	1.03	m_e	mb 4.8

Event 1130009 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2010/11/30	17:55:00.61		0.35	50.9800	152.8800				33.0					19	324	70.85	76.50	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	1130015
Ms	5.5		BGR	1130015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.75		P	18:06:37.827	0.6	24.1		5.83		TAS		65.4	1.10	m_e	mb 5.6
BFO	76.50		P	18:06:46.960		24.1		5.83		TAS		44.9	1.07	m_e	mb 5.5
BRG	72.69		P	18:06:25.507	0.7	24.1		5.83		TAS		15.5	1.05	m_e	mb 5.1
BSEG	70.85		P	18:06:14.541		24.1		5.83		TAS		28.0	1.07	m_e	mb 5.3
BUG	73.87		P	18:06:32.160	0.7	24.1		5.83		TAS		44.2	1.06	m_e	mb 5.4
CLL	72.56		P	18:06:24.028	0.0	24.1		5.83		TAS		36.7	1.02	m_e	mb 5.5
CLZ	72.75		P	18:06:26.492	0.2	24.1		5.83		TAS		42.4	1.01	m_e	mb 5.5
FUR	75.89		P	18:06:44.175		24.1		5.83		TAS		37.2	0.89	m_e	mb 5.5
GRA1	74.50		P	18:06:36.348	-0.1	24.1		5.83		TAS		70.6	1.27	m_e	mb 5.5
GRA1	74.50		L	18:44:00.258						T__		2290.7	20.20	a_e	Ms 5.5
GTTG	73.12		P	18:06:27.971	-0.4	24.1		5.83		TAS		17.3	1.10	m_e	mb 5.1
IBBN	72.95		P	18:06:27.108	-0.0	24.1		5.83		TAS		68.6	1.32	m_e	mb 5.6
MOX	73.53		P	18:06:29.696	-0.1	24.1		5.83		TAS		24.2	1.23	m_e	mb 5.1
NRDL	72.22		P	18:06:22.680	-0.7	24.1		5.83		TAS		24.2	1.01	m_e	mb 5.3
RJOB	75.85		P	18:06:44.441	0.1	24.1		5.83		TAS		22.4	1.31	m_e	mb 5.1
ROTZ	74.17		P	18:06:34.747	0.3	24.1		5.83		TAS		13.6	0.92	m_e	mb 5.0
STU	75.88		P	18:06:43.987	-0.7	24.1		5.83		TAS		42.2	1.06	m_e	mb 5.5
TANN	73.51		P	18:06:29.820	-0.7	24.1		5.83		TAS		11.4	1.21	m_e	mb 4.8
TNS	74.72		P	18:06:37.088	0.4	24.1		5.83		TAS		32.2	0.82	m_e	mb 5.4
WET	74.55		P	18:06:36.225	-0.2	24.1		5.83		TAS		30.2	1.22	m_e	mb 5.2

Event 1130010 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/30	21:19:45.70		0.35	-4.0300	79.9100				15.3					324	79.49	79.49	m i ke NEIC
OrigID 1130072																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	1130016
MBB	5.5		BGR	1130016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.49		P	21:31:51.323		109.1		6.00		TAS		16.6	1.04	m_e	mb 5.0
GRA1	79.49		pP	21:32:07.426						T__				m_e	

Event 1130011 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/11/30	22:02:55.68		0.35	48.4580	154.3020				33.0					324	77.18	77.18	m i ke BGR
OrigID 1130017																	

Magnitude	Err	Nsta	Author	OrigID

mb 5.0 BGR 1130017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.18		P	22:14:44.686		22.6		4.87		TAS		13.3	1.06	m_e	mb 5.0

Format description

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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