

2010/10/02 06:31:48.50 -19.0300 169.0100 137.1 0 0 144.61 145.19 m i NEIC
1002064

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 144.61 PKPbc 06:51:07.842 38.1 3.05 TAS m_e

Event 1002001 Svalbard, Norway, region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/10/02 21:26:02.90 76.5100 7.9000 18.8 0 0 22.69 28.28 m i NEIC
1002064

Magnitude Err Nsta Author OrigID
mb 5.1 6 BGR 1002007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
TANN 26.26 P 21:31:36.519 358.3 9.69 TAS 53.5 1.54 m_e mb 4.9
ROTZ 26.90 P 21:31:42.265 358.3 9.69 TAS 25.6 1.32 m_e mb 4.8
NRDL 24.13 pP 21:31:21.883 T__ m_e
NRDL 24.13 P 21:31:17.131 358.3 9.69 TAS 277.0 2.01 m_e mb 5.4
MOX 26.01 P 21:31:33.295 358.3 9.69 TAS 61.7 1.29 m_e mb 5.1
BSEG 22.69 pP 21:31:07.772 T__ m_e
BSEG 22.69 P 21:31:02.539 358.3 9.69 TAS 150.3 1.34 m_e mb 5.3
BFO 28.28 P 21:31:57.581 358.3 9.69 TAS 43.8 1.50 m_e mb 5.1

Event 1003003 Unimak Island, Alaska, United States, region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/10/03 04:35:12.70 53.6000 -163.7600 34.6 0 0 74.15 77.23 m i NEIC
1003066

Magnitude Err Nsta Author OrigID
mb 5.0 9 BGR 1003009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
NRDL 74.15 P 04:46:45.067 356.9 6.04 TAS 14.4 1.13 m_e mb 4.9
MOX 76.06 P 04:46:56.341 356.9 6.04 TAS 11.9 1.12 m_e mb 4.9
IBBN 74.23 P 04:46:45.855 356.9 6.04 TAS 31.5 1.48 m_e mb 5.1
GTTG 75.09 P 04:46:51.092 356.9 6.04 TAS 15.7 0.95 m_e mb 5.0
GRB4 77.23 P 04:47:03.010 356.9 6.04 TAS m_e
GRA1 77.00 P 04:47:02.492 356.9 6.04 TAS 31.5 1.47 m_e mb 5.2
CLZ 74.82 P 04:46:49.424 356.9 6.04 TAS 15.0 1.08 m_e mb 4.9

MOX	17.83	L	15:34:08.331			T__	1481.3	20.20	m_e	Ms	4.2
GTTG	19.19	P	15:25:33.690	137.5	11.16	TAS	155.2	1.24	m_e	mb	5.1
GRA1	17.28	P	15:25:12.814	137.5	11.16	TAS	6405.9	5.83	m_e	mb	5.9
GRA1	17.28	L	15:34:24.735			T__	1581.7	20.30	m_e	Ms	4.2
GEC2	15.58	P	15:24:53.295	137.5	11.16	TAS	55.0	1.18	m_e	mb	4.6
FUR	16.16	P	15:25:01.849	137.5	11.16	TAS	172.7	1.66	m_e	mb	4.9
CLZ	19.25	P	15:25:33.680	137.5	11.16	TAS	967.2	4.11	m_e	mb	5.4
CLL	17.82	P	15:25:18.703	137.5	11.16	TAS	117.9	1.81	m_e	mb	4.7
BRG	17.13	P	15:25:11.756	137.5	11.16	TAS	259.8	2.62	m_e	mb	4.9
BFO	17.75	P	15:25:18.204	137.5	11.16	TAS	97.6	1.92	m_e	mb	4.6
AHRW	19.79	P	15:25:40.274	137.5	11.16	TAS	57.7	1.26	m_e	mb	4.7
WET	16.15	P	15:24:59.267	137.5	11.16	TAS	182.7	1.96	m_e		

Event 1003004 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/03	16:42:45.80			-32.7000	-179.4800			76.9		0	0			157.65	163.31	m i	NEIC
	1003066																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WIMM	159.55		PKPab	17:03:11.925		29.1		4.42		TAS					m_e
WET	161.15		PKPab	17:03:19.174		29.1		4.42		TAS					m_e
WERN	160.35		PKPab	17:03:15.998		29.1		4.42		TAS					m_e
WERD	160.24		PKPab	17:03:15.220		29.1		4.42		TAS					m_e
TRIB	160.38		PKPab	17:03:15.998		29.1		4.42		TAS					m_e
TAUT	159.96		PKPab	17:03:13.756		29.1		4.42		TAS					m_e
TANN	160.22		PKPab	17:03:15.089		29.1		4.42		TAS					m_e
STU	162.67		PKPab	17:03:25.900		29.1		4.42		TAS					m_e
SCHF	160.01		PKPab	17:03:14.351		29.1		4.42		TAS					m_e
ROTZ	160.86		PKPab	17:03:18.408		29.1		4.42		TAS					m_e
ROHR	160.42		PKPab	17:03:16.136		29.1		4.42		TAS					m_e
RJOB	162.33		PKPab	17:03:24.400		29.1		4.42		TAS					m_e
PLN	160.25		PKPab	17:03:15.083		29.1		4.42		TAS					m_e
NEUB	159.76		PKPab	17:03:12.932		29.1		4.42		TAS					m_e
MOX	160.29		PKPab	17:03:15.097		29.1		4.42		TAS					m_e
IBBN	159.71		PKPab	17:03:12.922		29.1		4.42		TAS					m_e
HKWD	159.92		PKPab	17:03:13.984		29.1		4.42		TAS					m_e
GTTG	159.94		PKPab	17:03:13.781		29.1		4.42		TAS					m_e
GRA1	161.25		PKPab	17:03:20.144		29.1		4.42		TAS					m_e
GEC2	161.08		PKPab	17:03:18.426		29.1		4.42		TAS					m_e
FUR	162.55		PKPab	17:03:25.688		29.1		4.42		TAS					m_e
FBE	159.49		PKPab	17:03:12.001		29.1		4.42		TAS					m_e
CLL	159.28		PKPab	17:03:10.715		29.1		4.42		TAS					m_e
BSEG	157.65		PKPab	17:03:03.806		29.1		4.42		TAS					m_e

BRG	159.32	PKPab	17:03:11.144	29.1	4.42	TAS	m_e
BFO	163.31	PKPab	17:03:28.493	29.1	4.42	TAS	m_e

Event 1004005 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/04	01:38:29.60			19.3600	122.1800				32.0		0	0		86.46	88.19	m i	NEIC
OrigID 1004067																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4	5	BGR	1004011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TANN	87.17		P	01:51:16.152		61.9		5.39		TAS		141.7	3.06	m_e mb	5.6
RJOB	88.19		P	01:51:18.082		61.9		5.39		TAS		68.3	2.98	m_e mb	5.5
NRDL	87.49		P	01:51:18.084		61.9		5.39		TAS		86.5	2.03	m_e mb	5.5
GEC2	87.15		P	01:51:13.372		61.9		5.39		TAS		34.6	2.28	m_e mb	5.1
CLL	86.46		P	01:51:10.807		61.9		5.39		TAS		51.7	1.89	m_e mb	5.3

Event 1004003 Cuba region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/04	11:48:35.08			19.5530	-75.5530				33.0		0	0		70.05	74.77	m i	SZGRF
OrigID 1004038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3	14	BGR	1004009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	74.46		P	12:00:10.100		280.6		5.91		TAS		51.6	1.44	m_e mb	5.4
TNS	71.44		P	11:59:51.931		280.6		5.91		TAS		53.1	1.56	m_e mb	5.4
TANN	73.94		P	12:00:06.780		280.6		5.91		TAS		43.0	1.49	m_e mb	5.3
ROTZ	73.91		P	12:00:06.868		280.6		5.91		TAS		35.3	1.43	m_e mb	5.2
NRDL	72.13		P	11:59:56.164		280.6		5.91		TAS		36.1	1.27	m_e mb	5.4
MOX	73.37		P	12:00:03.595		280.6		5.91		TAS		27.6	1.36	m_e mb	5.2
MOX	73.37		L	12:26:31.715						T__		149.6	21.80	m_e	
IBBN	70.73		P	11:59:47.815		280.6		5.91		TAS		57.2	1.10	m_e mb	5.6
GTTG	72.19		P	11:59:56.326		280.6		5.91		TAS		44.1	1.37	m_e mb	5.4
GRA1	73.30		P	12:00:02.946		280.6		5.91		TAS		34.0	1.36	m_e mb	5.3
CLZ	72.39		P	11:59:57.787		280.6		5.91		TAS		58.1	1.53	m_e mb	5.5
CLL	74.10		P	12:00:07.267		280.6		5.91		TAS		24.4	1.47	m_e mb	5.0
BRG	74.77		P	12:00:11.209		280.6		5.91		TAS		24.7	1.29	m_e mb	5.1
AHRW	70.53		P	11:59:46.386		280.6		5.91		TAS		46.8	1.42	m_e mb	5.4

WLF 70.05 P 11:59:43.604 280.6 5.91 TAS 90.0 1.44 m_e mb 5.7

Event 1004002 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/04	13:28:36.31			23.8400	125.5900				33.0		0	0		84.44	88.89	m i	SZGRF
OrigID 1004037																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3	19	BGR	1004008
Ms	6.5	2	BGR	1004008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
STU	88.16		P	13:41:23.781		56.6		4.79		TAS		141.4	1.00	m_e	MBB 6.7
ROTZ	85.97		P	13:41:14.100		56.6		4.79		TAS		629.8	1.99	m_e	MBB 6.7
RJOB	86.73		P	13:41:17.327		56.6		4.79		TAS		144.7	1.07	m_e	MBB 6.7
NRDL	85.58		PP	13:44:30.473						T__				m_e	
NRDL	85.58		P	13:41:11.929		56.6		4.79		TAS		391.3	1.50	m_e	MBB 6.9
MOX	85.81		S	13:51:42.007						T__		2165.2	33.80	m_e	
MOX	85.81		P	13:41:12.931		56.6		4.79		TAS		160.4	1.02	m_e	MBB 6.6
MOX	85.81		L	14:24:05.597						T__		18018.3	18.70	m_e	Ms 6.5
IBBN	86.86		PP	13:44:40.776						T__				m_e	
IBBN	86.86		P	13:41:17.894		56.6		4.79		TAS		367.4	1.40	m_e	MBB 6.9
GTTG	86.18		P	13:41:14.525		56.6		4.79		TAS		244.4	1.04	m_e	MBB 6.7
GRA1	86.55		S	13:51:47.528						T__		9184.9	86.50	m_e	
GRA1	86.55		P	13:41:16.934		56.6		4.79		TAS		685.5	1.70	m_e	MBB 6.8
GRA1	86.55		L	14:24:19.349						T__		18803.7	20.40	m_e	Ms 6.5
FUR	87.36		P	13:41:20.816		56.6		4.79		TAS		468.4	1.08	m_e	MBB 7.0
CLZ	85.80		P	13:41:13.342		56.6		4.79		TAS		391.7	1.11	m_e	MBB 6.9
CLL	84.72		P	13:41:06.980		56.6		4.79		TAS		166.6	1.12	m_e	MBB 6.8
BUG	87.62		PP	13:44:46.943						T__				m_e	
BUG	87.62		P	13:41:21.383		56.6		4.79		TAS		696.5	2.22	m_e	MBB 6.9
BSEG	84.67		P	13:41:07.440		56.6		4.79		TAS		294.3	1.05	m_e	MBB 7.0
BRG	84.44		P	13:41:05.676		56.6		4.79		TAS		176.6	1.42	m_e	MBB 6.9
BFO	88.89		P	13:41:27.142		56.6		4.79		TAS		502.6	2.44	m_e	MBB 6.6
AHRW	88.25		PP	13:44:51.009						T__				m_e	
AHRW	88.25		P	13:41:24.241		56.6		4.79		TAS		93.3	1.28	m_e	MBB 6.7
TANN	85.48		P	13:41:10.710		56.6		4.79		TAS		1615.5	2.99	m_e	MBB 6.8
TNS	87.73		P	13:41:21.906		56.6		4.79		TAS		129.5	1.40	m_e	MBB 6.7
WET	85.93		P	13:41:13.584		56.6		4.79		TAS		688.8	2.19	m_e	MBB 6.7

Event 1004001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2010/10/04 14:35:27.30 48.0900 153.8900 70.8 0 0 75.46 77.57 m i NEIC
 1004063

Magnitude Err Nsta Author OrigID
 mb 5.2 3 BGR 1004007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRB3	77.57		P	14:47:14.871		24.6		4.99		TAS				m_e	
GRA1	77.41		P	14:47:14.110		24.6		4.99		TAS		41.8	1.44	m_e mb	5.4
CLL	75.46		P	14:47:02.294		24.6		4.99		TAS		17.8	1.21	m_e mb	5.0
WET	77.45		P	14:47:14.584		24.6		4.99		TAS		20.2	1.30	m_e mb	5.1

Event 1005006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/05	03:36:49.80			-21.4430	-178.9070				489.2		0	0		148.77	150.86	m i	SZGRF
OrigID 1005041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WIMM	148.90		PKPdf	03:55:36.547		14.6		1.46		TAS				m_e	
WIMM	148.90		PKPbc	03:55:41.085		19.5		2.42		TAS				m_e	
WET	150.81		PKPdf	03:55:39.486		14.6		1.46		TAS				m_e	
WET	150.81		PKPbc	03:55:45.789		19.5		2.42		TAS				m_e	
WERN	149.87		pPKPbc	03:57:39.111						T__				m_e	
WERN	149.87		PKPdf	03:55:38.583		14.6		1.46		TAS				m_e	
WERN	149.87		PKPbc	03:55:44.000		19.5		2.42		TAS				m_e	
WERD	149.74		PKPdf	03:55:38.136		14.6		1.46		TAS				m_e	
WERD	149.74		PKPbc	03:55:43.503		19.5		2.42		TAS				m_e	
TRIB	149.86		PKPbc	03:55:43.602		19.5		2.42		TAS				m_e	
TAUT	149.37		pPKPbc	03:57:37.853						T__				m_e	
TAUT	149.37		PKPdf	03:55:37.292		14.6		1.46		TAS				m_e	
TAUT	149.37		PKPbc	03:55:42.443		19.5		2.42		TAS				m_e	
TANN	149.73		pPKPbc	03:57:38.813						T__				m_e	
TANN	149.73		PKPdf	03:55:38.086		14.6		1.46		TAS				m_e	
TANN	149.73		PKPbc	03:55:43.437		19.5		2.42		TAS				m_e	
SCHF	149.50		PKPdf	03:55:37.987		14.6		1.46		TAS				m_e	
SCHF	149.50		PKPbc	03:55:42.940		19.5		2.42		TAS				m_e	
SCHD	149.89		PKPdf	03:55:38.334		14.6		1.46		TAS				m_e	
SCHD	149.89		PKPbc	03:55:43.768		19.5		2.42		TAS				m_e	
ROTZ	150.39		PKPbc	03:55:44.962		19.5		2.42		TAS				m_e	
ROHR	149.93		pPKPbc	03:57:39.064						T__				m_e	
ROHR	149.93		PKPdf	03:55:38.740		14.6		1.46		TAS				m_e	
ROHR	149.93		PKPbc	03:55:43.967		19.5		2.42		TAS				m_e	

PLN	149.73	PKPdf	03:55:37.838	14.6	1.46	TAS	m_e
PLN	149.73	PKPbc	03:55:43.370	19.5	2.42	TAS	m_e
NEUB	149.15	PKPdf	03:55:37.093	14.6	1.46	TAS	m_e
NEUB	149.15	PKPbc	03:55:41.847	19.5	2.42	TAS	m_e
MOX	149.70	PKPdf	03:55:38.037	14.6	1.46	TAS	m_e
MOX	149.70	PKPbc	03:55:43.139	19.5	2.42	TAS	m_e
LEIB	149.85	PKPdf	03:55:37.987	14.6	1.46	TAS	m_e
HKWD	149.39	pPKPbc	03:57:38.145			T__	m_e
HKWD	149.39	PKPdf	03:55:37.084	14.6	1.46	TAS	m_e
HKWD	149.39	PKPbc	03:55:42.377	19.5	2.42	TAS	m_e
GRA1	150.69	pPKPbc	03:57:40.936			T__	m_e
GRA1	150.69	PKPdf	03:55:39.482	14.6	1.46	TAS	m_e
GRA1	150.69	PKPbc	03:55:45.723	19.5	2.42	TAS	m_e
GEC2	150.86	PKPdf	03:55:39.759	14.6	1.46	TAS	m_e
GEC2	150.86	PKPbc	03:55:46.021	19.5	2.42	TAS	m_e
FBE	149.05	pPKPbc	03:57:36.882			T__	m_e
FBE	149.05	PKPdf	03:55:37.639	14.6	1.46	TAS	m_e
FBE	149.05	PKPbc	03:55:42.078	19.5	2.42	TAS	m_e
CLL	148.77	PKPdf	03:55:36.349	14.6	1.46	TAS	m_e
CLL	148.77	PKPbc	03:55:40.784	19.5	2.42	TAS	m_e
BRG	148.94	PKPdf	03:55:36.895	14.6	1.46	TAS	m_e
BRG	148.94	PKPbc	03:55:41.416	19.5	2.42	TAS	m_e

Event 1005003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/05	09:44:21.87			-19.1300	-176.3930				33.0		0	0		147.04	149.26	m i	SZGRF
	1005038																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WIMM	147.08		PKPbc	10:04:00.927		12.7		2.64		TAS					m_e
WERD	147.99		PKPbc	10:04:03.694		12.7		2.64		TAS					m_e
ROTZ	148.67		PKPbc	10:04:05.659		12.7		2.64		TAS					m_e
GRB3	149.15		PKPab	10:04:11.600		20.2		4.17		TAS					m_e
GRB2	149.24		PKPab	10:04:12.049		20.2		4.17		TAS					m_e
GRA2	148.92		PKPab	10:04:10.875		20.2		4.17		TAS					m_e
GRA1	148.90		PKPbc	10:04:05.823		12.7		2.64		TAS					m_e
GRA1	148.90		PKPab	10:04:10.776		20.2		4.17		TAS					m_e
GEC2	149.26		PKPbc	10:04:06.851		12.7		2.64		TAS					m_e
FBE	147.35		PKPbc	10:04:02.214		12.7		2.64		TAS					m_e
CLL	147.04		PKPbc	10:04:00.855		12.7		2.64		TAS					m_e
BRG	147.28		PKPbc	10:04:01.780		12.7		2.64		TAS					m_e

Event 1005001 New Ireland, Papua New Guinea, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/10/05 20:29:49.90 -4.8300 153.2900 58.4 0 0 125.01 125.19 m i NEIC
 1005063

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRB5	125.19		PKPdf	20:48:44.412		48.4		1.23		TAS					m_e
GRB2	125.09		PKPdf	20:48:44.054		48.4		1.23		TAS					m_e
GRA4	125.01		PKPdf	20:48:42.685		48.4		1.23		TAS					m_e
GRA1	125.03		PKPdf	20:48:42.567		48.4		1.23		TAS					m_e

Event 1006005 Pakistan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/10/06 17:49:46.44 29.6830 69.7540 33.0 0 0 47.96 47.96 m i SZGRF
 1006040

Magnitude Err Nsta Author OrigID
 mb 5.1 1 BGR 1006011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	47.96		P	17:58:21.410		100.1		7.56		TAS		24.8	1.43	m_e mb	5.1

Event 1006004 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2010/10/06 19:43:43.47 -16.4770 -174.3460 85.5 0 0 142.44 148.28 m i SZGRF
 1006039

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	146.89		PKPbc	20:03:15.371		9.7		3.03		TAS					m_e
WLF	146.90		PKPbc	20:03:15.905		9.7		3.03		TAS					m_e
TNS	146.26		PKPbc	20:03:13.965		9.7		3.03		TAS					m_e
TANN	145.71		PKPbc	20:03:11.949		9.7		3.03		TAS					m_e
ROTZ	146.37		PKPbc	20:03:14.263		9.7		3.03		TAS					m_e
NRDL	143.89		pPKPdf	20:03:30.229						T__					m_e

Magnitude Err Nsta Author OrigID
 mb 4.9 9 BGR 1007012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	46.08		P	01:48:26.517		80.4		8.11		TAS		28.6	0.95	m_e	mb 5.3
WET	41.86		P	01:47:52.066		80.4		8.11		TAS		15.5	1.22	m_e	mb 4.6
MOX	42.44		P	01:47:56.929		80.4		8.11		TAS		15.6	1.18	m_e	mb 4.6
GRC1	42.77		P	01:47:59.554		80.4		8.11		TAS				m_e	
FUR	43.08		P	01:48:02.527		80.4		8.11		TAS		37.5	1.30	m_e	mb 5.0
GRA1	42.84		P	01:48:01.058		80.4		8.11		TAS		31.6	1.05	m_e	mb 5.0
CLL	41.49		P	01:47:48.762		80.4		8.11		TAS		12.0	0.92	m_e	mb 4.6
BUG	45.02		P	01:48:17.800		80.4		8.11		TAS		32.2	1.24	m_e	mb 5.1
BRG	40.95		P	01:47:44.908		80.4		8.11		TAS		19.3	0.88	m_e	mb 4.8
BFO	44.97		P	01:48:16.882		80.4		8.11		TAS		9.7	0.91	m_e	mb 4.7

Event 1007005 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/07	09:11:10.37			33.5820	91.0160				33.0		0	0		59.02	59.02	m i	SZGRF

Magnitude Err Nsta Author OrigID
 mb 4.9 1 BGR 1007011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	59.02		P	09:21:01.583		78.5		6.31		TAS		10.7	0.86	m_e	mb 4.9

Event 1007001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/07	20:04:21.40			-20.7700	-178.4800				503.6		0	0		146.21	151.96	m i	SZGRF

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WIMM	148.33		PKPbc	20:23:10.138		15.9		2.42		TAS				m_e	
WET	150.27		PKPbc	20:23:15.611		15.9		2.42		TAS				m_e	
WET	150.27		PKPab	20:23:23.711		16.9		4.39		TAS				m_e	
WERN	149.32		PKPbc	20:23:12.742		15.9		2.42		TAS				m_e	
WERN	149.32		PKPab	20:23:19.562		16.9		4.39		TAS				m_e	
WERD	149.18		PKPbc	20:23:12.190		15.9		2.42		TAS				m_e	
TRIB	149.31		PKPbc	20:23:12.941		15.9		2.42		TAS				m_e	

TRIB	149.31	PKPab	20:23:19.430	16.9	4.39	TAS	m_e
TNS	150.10	PKPbc	20:23:14.670	15.9	2.42	TAS	m_e
TAUT	148.80	PKPbc	20:23:11.330	15.9	2.42	TAS	m_e
TANN	149.18	PKPbc	20:23:12.230	15.9	2.42	TAS	m_e
SCHF	148.94	PKPbc	20:23:11.815	15.9	2.42	TAS	m_e
SCHF	148.94	PKPab	20:23:17.730	16.9	4.39	TAS	m_e
SCHD	149.33	PKPbc	20:23:12.853	15.9	2.42	TAS	m_e
SCHD	149.33	PKPab	20:23:19.488	16.9	4.39	TAS	m_e
ROTZ	149.84	PKPbc	20:23:14.041	15.9	2.42	TAS	m_e
ROHR	149.38	PKPbc	20:23:13.162	15.9	2.42	TAS	m_e
ROHR	149.38	PKPab	20:23:19.805	16.9	4.39	TAS	m_e
RJOB	151.59	PKPbc	20:23:17.510	15.9	2.42	TAS	m_e
PLN	149.18	PKPbc	20:23:12.301	15.9	2.42	TAS	m_e
NRDL	147.64	PKPbc	20:23:08.385	15.9	2.42	TAS	m_e
NKC	149.35	PKPbc	20:23:12.916	15.9	2.42	TAS	m_e
NKC	149.35	PKPab	20:23:19.838	16.9	4.39	TAS	m_e
MULD	149.19	PKPbc	20:23:12.455	15.9	2.42	TAS	m_e
MOX	149.14	PKPbc	20:23:12.177	15.9	2.42	TAS	m_e
MOX	149.14	PKPab	20:23:18.600	16.9	4.39	TAS	m_e
LEIB	149.29	PKPbc	20:23:12.762	15.9	2.42	TAS	m_e
HKWD	148.83	PKPbc	20:23:11.418	15.9	2.42	TAS	m_e
FUR	151.56	PKPbc	20:23:17.640	15.9	2.42	TAS	m_e
FUR	151.56	PKPab	20:23:29.026	16.9	4.39	TAS	m_e
FBE	148.50	PKPbc	20:23:10.661	15.9	2.42	TAS	m_e
FBE	148.50	PKPab	20:23:15.835	16.9	4.39	TAS	m_e
CLZ	148.23	PKPbc	20:23:10.002	15.9	2.42	TAS	m_e
CLL	148.22	PKPbc	20:23:09.605	15.9	2.42	TAS	m_e
CLL	148.22	PKPab	20:23:13.889	16.9	4.39	TAS	m_e
BSEG	146.21	PKPbc	20:23:04.268	15.9	2.42	TAS	m_e
BRG	148.41	PKPbc	20:23:10.467	15.9	2.42	TAS	m_e
BRG	148.41	PKPab	20:23:15.876	16.9	4.39	TAS	m_e
BFO	151.96	pPKPbc	20:25:16.845			T__	m_e
BFO	151.96	PKPbc	20:23:18.735	15.9	2.42	TAS	m_e

Event 1007002 Bulgaria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/07	20:23:08.52			42.3500	22.0300				10.0		19	15		7.77	15.09	m i	GSRC
	1007097																

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	1007008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	8.87		Pn	20:25:17.452						T__				m_e	ML 4.6
WET	9.33		Pn	20:25:25.279						T__				m_e	

TNS	12.24	Sn	20:28:12.338	T__	m_e		
TNS	12.24	Pn	20:26:04.393	T__	m_e		
STU	11.05	Pn	20:25:47.652	T__	m_e		
SCHD	11.07	Pn	20:25:47.845	T__	m_e		
ROHR	10.35	Pn	20:25:35.444	T__	m_e		
RJOB	8.47	Sn	20:26:41.669	T__	m_e		
RJOB	8.47	Pn	20:25:13.046	T__	m_e	ML	4.5
MOX	10.96	Pn	20:25:44.890	T__	m_e		
MOA	7.77	Sn	20:26:28.469	T__	m_e		
MOA	7.77	Pn	20:25:03.301	T__	m_e	ML	4.4
MANZ	10.27	Pn	20:25:37.730	T__	m_e		
KBA	7.78	Pn	20:25:03.851	T__	m_e	ML	4.3
HLG	15.09	Pn	20:26:38.188	T__	m_e		
FUR	9.55	Sn	20:27:05.871	T__	m_e		
FUR	9.55	Pn	20:25:28.137	T__	m_e		
DAVA	9.94	Pn	20:25:33.711	T__	m_e		
BFO	11.34	Pn	20:25:49.434	T__	m_e		

Event 1007004 Bulgaria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/07	20:23:08.52			42.2660	22.4750				10.0		19	15		8.06	15.35	m i	SZGRF
OrigID 1007039																	

Magnitude Err Nsta Author OrigID
 ML 4.5 BGR 1007010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	9.18		Pn	20:25:17.452						T__				m_e	ML 4.6
WET	9.61		Pn	20:25:25.279						T__				m_e	
TNS	12.54		Sn	20:28:12.338						T__				m_e	
TNS	12.54		Pn	20:26:04.393						T__				m_e	
STU	11.36		Pn	20:25:47.652						T__				m_e	
SCHD	11.34		Pn	20:25:47.845						T__				m_e	
ROHR	10.62		Pn	20:25:35.444						T__				m_e	
RJOB	8.77		Sn	20:26:41.669						T__				m_e	
RJOB	8.77		Pn	20:25:13.046						T__				m_e	ML 4.5
MOX	11.23		Pn	20:25:44.890						T__				m_e	
MOA	8.06		Sn	20:26:28.469						T__				m_e	
MOA	8.06		Pn	20:25:03.301						T__				m_e	ML 4.4
MANZ	10.55		Pn	20:25:37.730						T__				m_e	
KBA	8.09		Pn	20:25:03.851						T__				m_e	ML 4.3
HLG	15.35		Pn	20:26:38.188						T__				m_e	
FUR	9.86		Sn	20:27:05.871						T__				m_e	
FUR	9.86		Pn	20:25:28.137						T__				m_e	
DAVA	10.26		Pn	20:25:33.711						T__				m_e	

BFO 11.65 Pn 20:25:49.434 T__ m_e

Event 1008001 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	03:26:29.07			52.7000	-177.3320			33.0			0	0		72.76	79.57	m i	SZGRF
OrigID 1008036																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.5	33	BGR	1008007
Ms	6.0	2	BGR	1008007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	77.97		P	03:38:18.489		5.3		5.59		TAS		1651.4	2.55	m_e	MBB	6.8
WET	78.16		P	03:38:19.417		5.3		5.59		TAS		1072.6	2.85	m_e	MBB	6.7
WERN	77.06		P	03:38:13.256		5.3		5.59		TAS		1921.4	2.86	m_e	MBB	6.5
WERD	76.91		P	03:38:12.167		5.3		5.59		TAS		1265.0	2.77	m_e	MBB	6.5
TNS	77.34		P	03:38:14.528		5.3		5.59		TAS		1327.2	2.70	m_e	MBB	6.7
TANN	76.93		P	03:38:12.485		5.3		5.59		TAS		1749.3	3.06	m_e	MBB	6.7
STU	78.75		P	03:38:22.061		5.3		5.59		TAS		879.5	2.36	m_e	MBB	6.6
RUE	74.78		P	03:38:00.233		5.3		5.59		TAS		458.5	1.64	m_e	MBB	6.8
ROTZ	77.59		P	03:38:16.334		5.3		5.59		TAS		1003.5	2.66	m_e	MBB	6.7
RJOB	79.57		P	03:38:27.090		5.3		5.59		TAS		808.5	3.08	m_e	MBB	6.4
RGN	72.76		P	03:37:49.148		5.3		5.59		TAS		791.8	1.64	m_e	MBB	7.0
PLN	76.88		P	03:38:12.081		5.3		5.59		TAS		2197.9	3.19	m_e	MBB	6.7
NRDL	74.99		P	03:38:01.218		5.3		5.59		TAS		318.5	1.67	m_e	MBB	6.7
NEUB	76.20		P	03:38:08.160		5.3		5.59		TAS		508.2	1.64	m_e	MBB	6.9
MOX	76.75		P	03:38:11.289		5.3		5.59		TAS		1136.1	2.56	m_e	MBB	6.7
MOX	76.75		L	04:11:38.586						T__		7421.5	21.70	m_e	Ms	6.0
MANZ	77.38		P	03:38:14.713		5.3		5.59		TAS		781.5	2.66	m_e	MBB	6.7
IBBN	75.28		P	03:38:03.089		5.3		5.59		TAS		595.5	1.56	m_e	MBB	6.9
GUNZ	76.99		P	03:38:12.767		5.3		5.59		TAS		1212.2	2.61	m_e	MBB	6.6
HLG	73.40		P	03:37:52.594		5.3		5.59		TAS		1073.6	1.94	m_e	MBB	6.9
GTTG	75.95		P	03:38:06.911		5.3		5.59		TAS		377.5	1.61	m_e	MBB	6.8
GRA1	77.73		P	03:38:17.177		5.3		5.59		TAS		2788.4	2.72	m_e	MBB	6.9
GRA1	77.73		L	04:16:59.297						T__		6996.8	21.80	m_e	Ms	5.9
GEC2	78.40		P	03:38:20.259		5.3		5.59		TAS		842.7	2.63	m_e	MBB	6.6
FUR	79.25		P	03:38:25.109		5.3		5.59		TAS		1564.5	2.54	m_e	MBB	6.7
FLT1	75.10		P	03:38:01.550		5.3		5.59		TAS		2062.7	2.91	m_e	MBB	6.7
FBE	76.36		P	03:38:09.286		5.3		5.59		TAS		586.0	1.93	m_e	MBB	6.7
CLZ	75.63		P	03:38:05.350		5.3		5.59		TAS		468.1	1.61	m_e	MBB	6.8
CLL	76.00		P	03:38:06.718		5.3		5.59		TAS		245.9	1.54	m_e	MBB	6.7
BUG	76.16		P	03:38:07.641		5.3		5.59		TAS		404.1	1.66	m_e	MBB	6.8
BSEG	73.54		P	03:37:53.316		5.3		5.59		TAS		418.5	1.60	m_e	MBB	6.8
BRG	76.36		P	03:38:08.912		5.3		5.59		TAS		256.4	1.57	m_e	MBB	6.7
BFO	79.23		P	03:38:24.715		5.3		5.59		TAS		962.6	2.47	m_e	MBB	6.6

ASSE	75.33	P	03:38:03.301	5.3	5.59	TAS	2197.5	2.90	m_e	MBB	6.7
AHRW	77.07	P	03:38:13.105	5.3	5.59	TAS	2510.5	2.74	m_e	MBB	6.9

Event 1008002 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	03:49:27.90			51.4420	-176.3420				156.3		0	0		74.07	80.89	m i	SZGRF
OrigID 1008037																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8	32	BGR	1008008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	79.48		pP	04:01:53.410						T__					m_e
WET	79.48		P	04:01:14.929		5.1		5.56		TAS		55.5	1.21	m_e	mb 5.5
WERN	78.38		P	04:01:09.004		5.1		5.56		TAS		116.6	1.01	m_e	mb 6.0
WERD	78.22		pP	04:01:46.385						T__					m_e
WERD	78.22		P	04:01:07.906		5.1		5.56		TAS		65.0	1.16	m_e	mb 5.6
TNS	78.63		P	04:01:10.117		5.1		5.56		TAS		116.3	1.01	m_e	mb 5.9
TANN	78.25		pP	04:01:46.550						T__					m_e
STU	80.06		P	04:01:17.796		5.1		5.56		TAS		76.7	0.89	m_e	mb 5.6
TANN	78.25		P	04:01:08.057		5.1		5.56		TAS		74.7	1.23	m_e	mb 5.7
RUE	76.11		P	04:00:56.022		5.1		5.56		TAS		169.7	1.17	m_e	mb 6.1
RJOB	80.89		P	04:01:22.517		5.1		5.56		TAS		35.7	0.95	m_e	mb 5.4
ROTZ	78.91		P	04:01:11.854		5.1		5.56		TAS		67.6	1.09	m_e	mb 5.6
RGN	74.07		P	04:00:44.796		5.1		5.56		TAS		303.3	1.09	m_e	mb 6.2
NRDL	76.30		P	04:00:56.974		5.1		5.56		TAS		96.9	1.04	m_e	mb 5.9
PLN	78.19		P	04:01:07.719		5.1		5.56		TAS		52.3	1.00	m_e	mb 5.6
NEUB	77.51		P	04:01:03.902		5.1		5.56		TAS		201.6	0.93	m_e	mb 6.2
MOX	78.07		pP	04:01:45.166						T__					m_e
MOX	78.07		P	04:01:06.997		5.1		5.56		TAS		96.9	1.06	m_e	mb 5.9
MANZ	78.69		P	04:01:10.387		5.1		5.56		TAS		50.7	1.04	m_e	mb 5.5
IBBN	76.57		P	04:00:58.880		5.1		5.56		TAS		235.6	0.98	m_e	mb 6.3
GUNZ	78.30		sP	04:02:04.591						T__					m_e
GUNZ	78.30		P	04:01:08.428		5.1		5.56		TAS		82.7	1.11	m_e	mb 5.8
GTTG	77.25		pP	04:01:41.028						T__					m_e
GTTG	77.25		P	04:01:02.627		5.1		5.56		TAS		149.1	0.99	m_e	mb 6.1
GRA1	79.04		P	04:01:12.888		5.1		5.56		TAS		169.8	1.01	m_e	mb 6.0
GRA1	79.04		pP	04:01:51.130						T__					m_e
GEC2	79.72		pP	04:01:54.373						T__					m_e
GEC2	79.72		P	04:01:16.064		5.1		5.56		TAS		59.6	1.07	m_e	mb 5.4
FUR	80.56		P	04:01:20.673		5.1		5.56		TAS		102.0	1.11	m_e	mb 5.8
FLT1	76.41		pP	04:01:35.602						T__					m_e
FLT1	76.41		P	04:00:57.265		5.1		5.56		TAS		116.7	1.00	m_e	mb 6.0
FBE	77.68		pP	04:01:43.313						T__					m_e
FBE	77.68		P	04:01:04.948		5.1		5.56		TAS		144.0	1.15	m_e	mb 6.0

Station	Mag	Type	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
CLZ	76.94	pP	04:01:39.543																	
CLZ	76.94	P	04:01:01.122	5.1	5.56							172.6	1.02			m_e mb		6.1		
CLL	77.32	sP	04:01:58.415																	
CLL	77.32	P	04:01:02.474	5.1	5.56							85.3	0.99			m_e mb		5.8		
BUG	77.45	pP	04:01:41.610																	
BSEG	74.85	P	04:00:49.037	5.1	5.56							154.4	1.00			m_e mb		6.0		
BUG	77.45	P	04:01:03.274	5.1	5.56							118.4	1.08			m_e mb		5.9		
BRG	77.69	pP	04:01:43.001																	
BRG	77.69	P	04:01:04.602	5.1	5.56							92.9	1.01			m_e mb		5.9		
WET	79.48	sP	04:02:10.914																	
BFO	80.53	sP	04:02:16.083																	
BFO	80.53	pP	04:01:58.569																	
BFO	80.53	P	04:01:20.263	5.1	5.56							61.8	1.05			m_e mb		5.6		
ASSE	76.63	pP	04:01:37.527																	
ASSE	76.63	P	04:00:58.890	5.1	5.56							124.8	1.13			m_e mb		5.9		
AHRW	78.35	pP	04:01:47.173																	
AHRW	78.35	P	04:01:08.771	5.1	5.56							156.1	1.02			m_e mb		6.1		
WLF	79.25	P	04:01:13.855	5.1	5.56							99.6	1.00			m_e mb		5.8		

Event 1008003 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	04:19:24.21			52.3420	-177.2740			33.0			0	0		73.90	79.59	m i	SZGRF
	1008038																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2	12	BGR	1008009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ROTZ	77.95		P	04:31:17.349		5.3		5.57		TAS		18.8	1.56	m_e mb	5.0
NRDL	75.35		P	04:31:02.340		5.3		5.57		TAS		28.9	1.29	m_e mb	5.1
MOX	77.11		P	04:31:12.217		5.3		5.57		TAS		20.3	1.25	m_e mb	5.1
IBBN	75.64		P	04:31:04.111		5.3		5.57		TAS		54.5	1.16	m_e mb	5.6
GRA1	78.09		P	04:31:18.130		5.3		5.57		TAS		50.4	1.74	m_e mb	5.4
GEC2	78.76		P	04:31:21.404		5.3		5.57		TAS		15.1	1.52	m_e mb	4.8
CLZ	75.99		P	04:31:06.431		5.3		5.57		TAS		32.7	1.11	m_e mb	5.4
CLL	76.36		P	04:31:07.775		5.3		5.57		TAS		12.8	1.12	m_e mb	5.0
BSEG	73.90		P	04:30:54.285		5.3		5.57		TAS		39.7	1.23	m_e mb	5.3
BRG	76.72		P	04:31:09.941		5.3		5.57		TAS		21.6	1.25	m_e mb	5.1
BFO	79.59		P	04:31:25.610		5.3		5.57		TAS		22.6	1.59	m_e mb	4.9
AHRW	77.43		P	04:31:14.019		5.3		5.57		TAS		32.8	1.25	m_e mb	5.3

Event 1008004 Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	05:43:10.60			2.7500	128.1900				144.9		0	0		102.89	107.24	m i	NEIC
OrigID 1008065																	

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	104.15		Pdiff	05:56:58.598						T__					m_e
TANN	103.93		Pdiff	05:56:57.381						T__					m_e
ROTZ	104.33		Pdiff	05:56:59.663						T__					m_e
RJOB	104.71		Pdiff	05:57:00.757						T__					m_e
NRDL	104.47		Pdiff	05:57:00.051						T__					m_e
MOX	104.34		Pdiff	05:56:59.139						T__					m_e
IBBN	105.85		Pdiff	05:57:05.934						T__					m_e
GTTG	104.94		Pdiff	05:57:02.226						T__					m_e
GRA1	104.95		Pdiff	05:57:02.178						T__					m_e
GRA1	104.95		PP	06:01:24.124						T__					m_e
GEC2	103.75		Pdiff	05:56:56.523						T__					m_e
CLZ	104.58		Pdiff	05:57:00.570						T__					m_e
CLL	103.28		Pdiff	05:56:54.135						T__					m_e
BSEG	103.75		Pdiff	05:56:56.474						T__					m_e
BRG	102.89		Pdiff	05:56:52.578						T__					m_e
BFO	107.24		Pdiff	05:57:11.775						T__					m_e

Event 1008012 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	17:00:32.99			59.7890	-154.4880				33.0		0	0		65.97	72.33	m i	SZGRF
OrigID 1008047																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4	21	BGR	1008018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	69.78		P	17:11:38.839		352.4		6.15		TAS		41.4	1.35	m_e mb	5.4
WET	70.94		P	17:11:45.257		352.4		6.15		TAS		19.7	1.20	m_e mb	5.1
TNS	69.47		P	17:11:35.985		352.4		6.15		TAS		28.1	1.30	m_e mb	5.3
TANN	69.64		P	17:11:37.275		352.4		6.15		TAS		19.9	1.11	m_e mb	5.2
STU	70.99		P	17:11:45.097		352.4		6.15		TAS		14.8	0.55	m_e mb	5.3
ROTZ	70.27		P	17:11:41.280		352.4		6.15		TAS		24.3	0.89	m_e mb	5.3
RJOB	72.33		P	17:11:53.487		352.4		6.15		TAS		28.9	0.80	m_e mb	5.5
NRDL	67.38		P	17:11:23.008		352.4		6.15		TAS		39.5	1.17	m_e mb	5.5
MOX	69.35		P	17:11:35.462		352.4		6.15		TAS		34.8	0.85	m_e mb	5.6
IBBN	67.34		P	17:11:22.830		352.4		6.15		TAS		30.1	1.20	m_e mb	5.4
GTTG	68.31		P	17:11:29.246		352.4		6.15		TAS		51.1	0.96	m_e mb	5.7

GRA1	70.26	P	17:11:41.167	352.4	6.15	TAS	18.0	0.89	m_e	mb	5.2
GEC2	71.30	P	17:11:47.375	352.4	6.15	TAS	56.9	1.86	m_e	mb	5.4
FUR	71.78	P	17:11:50.164	352.4	6.15	TAS	46.3	1.14	m_e	mb	5.5
CLZ	68.05	P	17:11:27.729	352.4	6.15	TAS	45.2	0.94	m_e	mb	5.7
CLL	68.80	P	17:11:31.678	352.4	6.15	TAS	21.6	0.93	m_e	mb	5.4
BUG	68.15	P	17:11:27.497	352.4	6.15	TAS	45.1	1.30	m_e	mb	5.5
BSEG	65.97	P	17:11:14.423	352.4	6.15	TAS	29.0	0.86	m_e	mb	5.5
BRG	69.30	P	17:11:35.070	352.4	6.15	TAS	34.2	0.95	m_e	mb	5.6
BFO	71.33	P	17:11:46.964	352.4	6.15	TAS	15.1	1.00	m_e	mb	5.1
AHRW	69.02	P	17:11:33.055	352.4	6.15	TAS	14.7	1.36	m_e	mb	5.0

Event 1008013 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	21:22:52.41			52.0770	-177.2310				33.0		0	0		74.17	80.20	m i	SZGRF
1008048																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2	21	BGR	1008019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	78.60		P	21:34:48.714		5.3		5.55		TAS		15.9	0.78	m_e	mb	5.1
WET	78.79		P	21:34:49.849		5.3		5.55		TAS		6.8	0.92	m_e	mb	4.7
TNS	77.96		P	21:34:45.178		5.3		5.55		TAS		33.7	1.20	m_e	mb	5.3
TANN	77.56		P	21:34:42.933		5.3		5.55		TAS		13.7	1.29	m_e	mb	4.9
STU	79.38		P	21:34:52.879		5.3		5.55		TAS		22.3	1.05	m_e	mb	5.1
ROTZ	78.22		P	21:34:46.845		5.3		5.55		TAS		14.0	1.19	m_e	mb	5.0
RJOB	80.20		P	21:34:57.537		5.3		5.55		TAS		7.2	0.86	m_e	mb	4.6
NRDL	75.62		P	21:34:31.965		5.3		5.55		TAS		24.0	1.26	m_e	mb	5.2
MOX	77.38		P	21:34:41.969		5.3		5.55		TAS		22.2	1.15	m_e	mb	5.2
IBBN	75.91		P	21:34:33.806		5.3		5.55		TAS		58.9	1.19	m_e	mb	5.6
GTTG	76.57		P	21:34:37.596		5.3		5.55		TAS		43.0	1.06	m_e	mb	5.5
GRA1	78.35		P	21:34:47.824		5.3		5.55		TAS		53.5	1.25	m_e	mb	5.5
GEC2	79.03		P	21:34:50.917		5.3		5.55		TAS		13.0	1.08	m_e	mb	4.9
FUR	79.88		P	21:34:55.621		5.3		5.55		TAS		38.9	1.22	m_e	mb	5.2
CLZ	76.26		P	21:34:35.966		5.3		5.55		TAS		48.0	1.28	m_e	mb	5.5
CLL	76.63		P	21:34:37.324		5.3		5.55		TAS		29.3	1.35	m_e	mb	5.2
BUG	76.79		P	21:34:38.235		5.3		5.55		TAS		40.9	1.24	m_e	mb	5.4
BSEG	74.17		P	21:34:23.978		5.3		5.55		TAS		40.5	1.12	m_e	mb	5.4
BRG	76.99		P	21:34:39.607		5.3		5.55		TAS		30.0	1.28	m_e	mb	5.3
BFO	79.86		P	21:34:55.231		5.3		5.55		TAS		7.8	0.80	m_e	mb	4.7
AHRW	77.69		P	21:34:43.708		5.3		5.55		TAS		28.6	0.86	m_e	mb	5.4

Event 1008014 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/08	23:32:29.86			51.7920	-177.5040				33.0		0	0		74.44	80.13	m i	SZGRF
OrigID 1008049																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0	16	BGR	1008020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	78.87		P	23:44:27.695		5.5		5.53		TAS		14.7	0.96	m_e	mb	5.0
TNS	78.24		P	23:44:23.972		5.5		5.53		TAS		21.0	1.23	m_e	mb	5.1
TANN	77.82		P	23:44:21.971		5.5		5.53		TAS		21.0	1.66	m_e	mb	5.0
STU	79.65		P	23:44:31.563		5.5		5.53		TAS		21.1	1.49	m_e	mb	4.9
ROTZ	78.48		P	23:44:25.812		5.5		5.53		TAS		27.2	1.92	m_e	mb	5.1
MOX	77.65		P	23:44:20.880		5.5		5.53		TAS		12.8	1.05	m_e	mb	5.0
IBBN	76.18		P	23:44:12.741		5.5		5.53		TAS		38.7	1.23	m_e	mb	5.4
GTTG	76.84		P	23:44:16.501		5.5		5.53		TAS		27.7	1.11	m_e	mb	5.3
GRA1	78.62		P	23:44:26.735		5.5		5.53		TAS		13.5	0.83	m_e	mb	5.0
GEC2	79.29		P	23:44:29.899		5.5		5.53		TAS		7.3	1.08	m_e	mb	4.6
CLZ	76.53		P	23:44:14.973		5.5		5.53		TAS		22.4	1.00	m_e	mb	5.3
CLL	76.89		P	23:44:16.288		5.5		5.53		TAS		10.6	1.04	m_e	mb	4.9
BSEG	74.44		P	23:44:02.879		5.5		5.53		TAS		25.9	1.04	m_e	mb	5.2
BRG	77.25		P	23:44:18.545		5.5		5.53		TAS		13.4	1.12	m_e	mb	5.0
BFO	80.13		P	23:44:34.243		5.5		5.53		TAS		11.4	1.40	m_e	mb	4.6
AHRW	77.97		P	23:44:22.704		5.5		5.53		TAS		22.8	1.12	m_e	mb	5.2

Event 1009002 Costa Rica

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/09	01:54:03.79			10.9550	-83.1240				33.0		0	0		81.28	86.29	m i	SZGRF
OrigID 1009037																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9	21	BGR	1009008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	81.28		P	02:06:16.772		280.4		5.05		TAS		100.4	0.93	m_e	mb	5.8
WET	85.70		P	02:06:39.105		280.4		5.05		TAS		262.2	1.72	m_e	mb	6.1
TNS	82.68		P	02:06:23.833		280.4		5.05		TAS		67.0	0.85	m_e	mb	5.9
TANN	85.18		P	02:06:36.657		280.4		5.05		TAS		83.6	0.88	m_e	mb	6.0
STU	83.38		P	02:06:27.357		280.4		5.05		TAS		87.9	1.08	m_e	mb	5.9
ROTZ	85.15		P	02:06:36.578		280.4		5.05		TAS		239.5	2.10	m_e	mb	6.1
RJOB	85.93		P	02:06:40.206		280.4		5.05		TAS		91.4	1.45	m_e	mb	5.7
NRDL	83.36		P	02:06:27.352		280.4		5.05		TAS		172.9	1.71	m_e	mb	6.0
MOX	84.61		P	02:06:33.383		280.4		5.05		TAS		110.3	1.63	m_e	mb	5.8

2010/10/09 14:04:44.83 -2.1200 -74.8070 33.0 0 0 85.75 90.84 m i SZGRF
1009041

Magnitude Err Nsta Author OrigID
mb 5.1 15 BGR 1009012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	85.75		P	14:17:21.714		265.6		4.69		TAS		29.1	1.08	m_e	mb 5.3
TNS	87.29		P	14:17:28.861		265.6		4.69		TAS		10.0	0.98	m_e	mb 4.9
TANN	89.87		P	14:17:41.260		265.6		4.69		TAS		14.0	1.21	m_e	mb 5.1
ROTZ	89.67		P	14:17:40.463		265.6		4.69		TAS		24.6	1.57	m_e	mb 5.2
NRDL	88.56		P	14:17:35.022		265.6		4.69		TAS		34.5	1.68	m_e	mb 5.3
MOX	89.35		P	14:17:38.596		265.6		4.69		TAS		9.0	1.43	m_e	mb 4.8
IBBN	87.11		P	14:17:27.997		265.6		4.69		TAS		21.4	1.01	m_e	mb 5.2
GRA1	89.03		P	14:17:36.913		265.6		4.69		TAS		16.2	1.23	m_e	mb 5.1
GEC2	90.60		P	14:17:43.951		265.6		4.69		TAS		2.3	0.89	m_e	mb 4.5
CLZ	88.67		P	14:17:35.366		265.6		4.69		TAS		20.6	1.38	m_e	mb 5.2
CLL	90.27		P	14:17:42.759		265.6		4.69		TAS		5.8	0.76	m_e	mb 4.9
BUG	86.70		P	14:17:25.937		265.6		4.69		TAS		56.7	1.47	m_e	mb 5.5
BSEG	88.82		P	14:17:35.901		265.6		4.69		TAS		26.2	1.48	m_e	mb 5.2
BRG	90.84		P	14:17:45.513		265.6		4.69		TAS		13.2	1.16	m_e	mb 5.2
AHRW	86.46		P	14:17:24.974		265.6		4.69		TAS		21.2	1.10	m_e	mb 5.2

Event 1009007 Ryukyu Islands, Japan
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/10/09 21:46:10.40 25.8400 127.7700 29.6 0 0 86.10 86.10 m i NEIC
1009070

Magnitude Err Nsta Author OrigID
mb 5.1 1 BGR 1009013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.10		pP	21:59:01.193						T__		21.5	1.35	m_e	
GRA1	86.10		P	21:58:50.402		59.4		4.49		TAS		21.5	1.35	m_e	mb 5.1

Event 1010001 Southeast of Honshu, Japan
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2010/10/10 02:27:51.40 31.0600 141.6100 14.3 0 0 88.32 88.32 m i NEIC
1010063

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.32		PP	02:44:09.847						T__					

Event 1010002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/10	05:47:16.39			-24.7600	-178.9100				33.0		0	0		150.05	155.29	m i	SZGRF
OrigID 1010037																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	153.05		PKPab	06:07:22.221		21.0		4.39		TAS					m_e
WERD	152.92		PKPbc	06:07:10.395		21.3		2.42		TAS					m_e
WERD	152.92		PKPab	06:07:21.480		21.0		4.39		TAS					m_e
TNS	153.95		PKPbc	06:07:13.266		21.3		2.42		TAS					m_e
PLN	152.92		PKPbc	06:07:10.397		21.3		2.42		TAS					m_e
NRDL	151.47		PKPbc	06:07:06.948		21.3		2.42		TAS					m_e
NEUB	152.36		PKPab	06:07:18.939		21.0		4.39		TAS					m_e
MOX	152.91		PKPbc	06:07:10.152		21.3		2.42		TAS					m_e
MOX	152.91		PKPab	06:07:21.199		21.0		4.39		TAS					m_e
MANZ	153.40		PKPbc	06:07:11.515		21.3		2.42		TAS					m_e
GUNZ	152.99		PKPbc	06:07:10.711		21.3		2.42		TAS					m_e
GUNZ	152.99		PKPab	06:07:21.927		21.0		4.39		TAS					m_e
GTTG	152.40		PKPbc	06:07:09.207		21.3		2.42		TAS					m_e
FUR	155.29		PKPab	06:07:31.950		21.0		4.39		TAS					m_e
FLT1	151.41		PKPbc	06:07:06.641		21.3		2.42		TAS					m_e
FLT1	151.41		PKPab	06:07:14.533		21.0		4.39		TAS					m_e
FBE	152.22		PKPbc	06:07:09.134		21.3		2.42		TAS					m_e
FBE	152.22		PKPab	06:07:18.757		21.0		4.39		TAS					m_e
CLZ	152.04		PKPbc	06:07:08.649		21.3		2.42		TAS					m_e
CLZ	152.04		PKPab	06:07:17.749		21.0		4.39		TAS					m_e
CLL	151.96		PKPbc	06:07:08.102		21.3		2.42		TAS					m_e
CLL	151.96		PKPab	06:07:17.060		21.0		4.39		TAS					m_e
BSEG	150.05		PKPbc	06:07:03.735		21.3		2.42		TAS					m_e
BSEG	150.05		PKPab	06:07:09.385		21.0		4.39		TAS					m_e
BRG	152.11		PKPbc	06:07:08.602		21.3		2.42		TAS					m_e
BRG	152.11		PKPab	06:07:17.925		21.0		4.39		TAS					m_e
ASSE	151.71		PKPbc	06:07:07.515		21.3		2.42		TAS					m_e
ASSE	151.71		PKPab	06:07:16.146		21.0		4.39		TAS					m_e

Event 1010003 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/10	06:08:22.34			52.4450	-177.7730				33.0		0	0		73.78	79.47	m i	SZGRF
OrigID 1010038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3	20	BGR	1010009
Ms	4.8	2	BGR	1010009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	78.21		P	06:20:16.453		5.6		5.58		TAS		41.1	0.95	m_e	mb	5.5
WET	78.38		P	06:20:17.589		5.6		5.58		TAS		15.3	1.09	m_e	mb	5.0
TNS	77.57		P	06:20:12.909		5.6		5.58		TAS		44.6	1.05	m_e	mb	5.5
TANN	77.15		P	06:20:10.595		5.6		5.58		TAS		15.1	1.17	m_e	mb	5.0
STU	78.99		P	06:20:20.406		5.6		5.58		TAS		27.1	0.99	m_e	mb	5.2
ROTZ	77.81		P	06:20:14.651		5.6		5.58		TAS		16.4	1.03	m_e	mb	5.1
NRDL	75.23		P	06:19:59.327		5.6		5.58		TAS		29.0	1.17	m_e	mb	5.2
MOX	76.98		P	06:20:09.665		5.6		5.58		TAS		26.5	0.96	m_e	mb	5.3
MOX	76.98		L	06:53:37.220						T__		422.5	21.00	m_e	Ms	4.7
IBBN	75.52		P	06:20:01.452		5.6		5.58		TAS		64.7	0.89	m_e	mb	5.8
GTTG	76.18		P	06:20:05.253		5.6		5.58		TAS		54.1	1.04	m_e	mb	5.6
GRA1	77.95		P	06:20:15.512		5.6		5.58		TAS		44.3	0.91	m_e	mb	5.6
GEC2	78.62		P	06:20:18.419		5.6		5.58		TAS		14.4	1.08	m_e	mb	4.9
GRA1	77.95		L	06:54:16.433						T__		486.7	21.70	m_e	Ms	4.8
FUR	79.47		P	06:20:23.298		5.6		5.58		TAS		32.2	0.89	m_e	mb	5.4
CLZ	75.86		P	06:20:03.681		5.6		5.58		TAS		40.7	0.85	m_e	mb	5.6
CLL	76.22		P	06:20:04.923		5.6		5.58		TAS		37.4	1.34	m_e	mb	5.3
BUG	76.40		P	06:20:06.091		5.6		5.58		TAS		24.8	0.70	m_e	mb	5.5
BSEG	73.78		P	06:19:51.447		5.6		5.58		TAS		39.0	0.78	m_e	mb	5.5
BRG	76.58		P	06:20:07.204		5.6		5.58		TAS		20.5	0.81	m_e	mb	5.3
BFO	79.47		P	06:20:22.893		5.6		5.58		TAS		16.5	0.96	m_e	mb	5.0
AHRW	77.31		P	06:20:11.509		5.6		5.58		TAS		49.8	1.02	m_e	mb	5.6

Event 1010004 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/10	06:25:30.10			51.4800	-175.1800				35.1		0	0		79.06	79.06	m i	NEIC
OrigID 1010066																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8	1	BGR	1010010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	79.06		P	06:37:30.416		4.1		4.79		TAS		12.2	1.22	m_e	mb	4.8

Event 1010005 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/10	19:17:53.80			35.3000	22.2900				1.0		16	16		10.28	20.44	m i	THE
OrigID 1010083																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	14.37		Sn	19:23:47.413						T__					m_e
WTTA	14.37		Pn	19:21:16.676						T__					m_e
WLF	18.59		Pn	19:22:13.223						T__					m_e
WET	15.47		Pn	19:21:32.007						T__					m_e
TNS	18.00		Pn	19:22:07.563						T__					m_e
TIRR	10.28		Pn	19:20:21.493						T__					m_e
TANN	16.71		Pn	19:21:48.098						T__					m_e
ROTZ	16.23		Pn	19:21:45.081						T__					m_e
PSZ	12.73		Pn	19:20:52.519						T__					m_e
OBKA	12.63		Sn	19:23:02.062						T__					m_e
OBKA	12.63		Pn	19:20:51.817						T__					m_e
NRDL	19.25		Pn	19:22:19.056						T__					m_e
MOX	17.18		Pn	19:21:53.561						T__					m_e
MOA	13.89		Pn	19:21:07.905						T__					m_e
MLR	10.55		Pn	19:20:25.279						T__					m_e
KBA	13.55		Sn	19:23:25.884						T__					m_e
KBA	13.55		Pn	19:21:05.549						T__					m_e
GEC2	14.95		Pn	19:21:23.130						T__					m_e
DAVA	15.15		Pn	19:21:28.892						T__					m_e
CLZ	18.61		Pn	19:22:11.550						T__					m_e
CLL	17.35		Pn	19:21:58.424						T__					m_e
BUD	12.41		Pn	19:20:48.959						T__					m_e
BSEG	20.44		Pn	19:22:30.467						T__					m_e
BFO	16.63		Pn	19:21:46.563						T__					m_e
ARSA	12.97		Pn	19:20:55.182						T__					m_e

Event 1010006 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/10	21:44:14.49			32.1400	73.8530				33.0		0	0		47.23	51.60	m i	SZGRF
OrigID 1010041																	

Magnitude Err Nsta Author OrigID

mb	5.0	17	BGR	1010012
Ms	4.5	2	BGR	1010012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	50.76		P	21:53:09.590		86.4		7.67		TAS		23.4	1.38	m_e mb	4.9
TANN	48.18		P	21:52:50.147		86.4		7.67		TAS		43.9	2.10	m_e mb	5.2
ROTZ	48.37		P	21:52:52.370		86.4		7.67		TAS		25.1	1.46	m_e mb	5.1
RJOB	48.11		P	21:52:49.716		86.4		7.67		TAS		25.1	1.93	m_e mb	5.0
NRDL	49.58		P	21:53:00.736		86.4		7.67		TAS		16.0	0.74	m_e mb	5.0
MOX	48.71		P	21:52:54.256		86.4		7.67		TAS		12.1	0.84	m_e mb	5.0
MOX	48.71		L	22:16:30.462						T__		262.5	18.30	m_e Ms	4.3
IBBN	51.03		P	21:53:11.674		86.4		7.67		TAS		30.8	0.71	m_e mb	5.3
GTTG	49.71		P	21:53:01.840		86.4		7.67		TAS		26.4	0.89	m_e mb	5.2
GRA1	49.02		P	21:52:57.438		86.4		7.67		TAS		10.9	0.74	m_e mb	5.0
GRA1	49.02		L	22:16:35.149						T__		624.6	18.50	m_e Ms	4.6
CLZ	49.44		P	21:52:59.613		86.4		7.67		TAS		35.1	1.46	m_e mb	5.2
GEC2	47.44		P	21:52:44.438		86.4		7.67		TAS		12.2	1.34	m_e mb	4.9
CLL	47.82		P	21:52:46.557		86.4		7.67		TAS		10.1	0.83	m_e mb	5.0
BUG	51.40		P	21:53:14.544		86.4		7.67		TAS		17.1	1.00	m_e mb	4.9
BSEG	49.42		P	21:52:59.188		86.4		7.67		TAS		17.9	0.66	m_e mb	5.2
BRG	47.23		P	21:52:42.590		86.4		7.67		TAS		16.8	0.67	m_e mb	5.3
BFO	51.03		P	21:53:11.816		86.4		7.67		TAS		5.4	1.01	m_e mb	4.4
AHRW	51.60		P	21:53:16.696		86.4		7.67		TAS		10.6	0.81	m_e mb	4.8

Event 1011001 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/11	00:34:37.70			42.4890	21.7200				10.0		38	31		4.28	11.98	m i	SZGRF
OrigID 1011036																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	1011007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	8.60		Pn	00:36:41.358						T__				m_e ML	4.9
WET	9.07		Pn	00:36:47.936						T__				m_e	
VRAC	7.70		Pn	00:36:28.789						T__				m_e ML	4.4
TNS	11.98		Pn	00:37:27.691						T__				m_e	
TIRR	5.25		Sg	00:37:22.583						T__				m_e	
TIRR	5.25		Pn	00:35:56.439						T__				m_e	
TANN	10.17		Pn	00:37:04.368						T__				m_e	
STU	10.78		Pn	00:37:10.996						T__				m_e	
SOP	6.35		Sn	00:37:19.715						T__				m_e	
SOP	6.35		Pn	00:36:10.078						T__				m_e	
ROTZ	9.82		Pn	00:36:56.807						T__				m_e	
RJOB	8.21		Sn	00:38:05.204						T__				m_e	
RJOB	8.21		Pn	00:36:35.955						T__				m_e ML	4.8
PSZ	5.58		Pn	00:35:59.148						T__				m_e	

OKC	7.76	Pn	00:36:30.293	T__	m_e ML	4.4
OJC	7.85	Pn	00:36:32.200	T__	m_e ML	4.2
OBKA	6.51	Pn	00:36:11.634	T__	m_e ML	4.6
MOX	10.71	Pn	00:37:09.944	T__	m_e	
MORC	7.84	Pn	00:36:29.502	T__	m_e ML	4.8
MOA	7.51	Sn	00:37:47.537	T__	m_e	
MOA	7.51	Pn	00:36:25.604	T__	m_e ML	4.8
MLR	4.28	Pn	00:35:43.455	T__	m_e	
MANZ	10.02	Pn	00:37:00.255	T__	m_e	
KSP	9.15	Pn	00:36:50.273	T__	m_e	
KRUC	7.55	Pn	00:36:25.117	T__	m_e ML	4.2
KHC	8.74	Pn	00:36:43.348	T__	m_e ML	4.0
KBA	7.52	Sn	00:37:46.733	T__	m_e	
KBA	7.52	Pn	00:36:26.014	T__	m_e ML	4.6
JAVC	6.97	Pn	00:36:19.625	T__	m_e ML	4.4
GEC2	8.48	Pn	00:36:39.753	T__	m_e ML	4.4
FUR	9.29	Pn	00:36:50.406	T__	m_e	
DPC	8.68	Pn	00:36:43.490	T__	m_e ML	5.0
CLL	10.64	Pn	00:37:08.341	T__	m_e	
BUD	5.35	Sn	00:36:59.578	T__	m_e	
BUD	5.35	Pn	00:35:56.236	T__	m_e	
BFO	11.07	Pn	00:37:13.579	T__	m_e	
ARSA	6.48	Sn	00:37:22.035	T__	m_e	
ARSA	6.48	Pn	00:36:10.496	T__	m_e ML	4.5

Event 1011002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/11	01:25:33.96			-17.7710	-177.4940				33.0		0	0		143.40	147.70	m i	SZGRF
	1011037																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERD	146.47		PKPbc	01:45:11.440		15.5		2.87		TAS				m_e	
PLN	146.46		PKPbc	01:45:11.321		15.5		2.87		TAS				m_e	
NEUB	145.85		PKPbc	01:45:09.688		15.5		2.87		TAS				m_e	
MOX	146.40		PKPbc	01:45:11.098		15.5		2.87		TAS				m_e	
GTTG	145.78		PKPbc	01:45:09.482		15.5		2.87		TAS				m_e	
GEC2	147.70		PKPbc	01:45:14.516		15.5		2.87		TAS				m_e	
FLT1	144.84		PKPbc	01:45:06.419		15.5		2.87		TAS				m_e	
FBE	145.81		PKPbc	01:45:09.933		15.5		2.87		TAS				m_e	
CLZ	145.44		PKPbc	01:45:08.742		15.5		2.87		TAS				m_e	
CLL	145.51		PKPbc	01:45:08.641		15.5		2.87		TAS				m_e	
BSEG	143.40		PKPbc	01:45:02.336		15.5		2.87		TAS				m_e	
BRG	145.74		PKPbc	01:45:09.355		15.5		2.87		TAS				m_e	

Event 1011008 Novaya Zemlya, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/11	22:48:23.70			76.3600	64.0800				5.0		0	0		29.96	33.98	m i	GSRC
OrigID 1011082																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7	11	BGR	1011014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	33.87		P	22:55:11.393		21.8		9.08		TAS		8.5	1.18	m_e mb	4.6
ROTZ	33.43		P	22:55:07.612		21.8		9.08		TAS		10.3	1.15	m_e mb	4.7
NRDL	31.35		P	22:54:48.825		21.8		9.08		TAS		5.0	0.96	m_e mb	4.4
IBBN	32.05		P	22:54:54.948		21.8		9.08		TAS		27.6	1.54	m_e mb	5.0
GRA1	33.72		P	22:55:09.902		21.8		9.08		TAS		14.1	0.89	m_e mb	4.9
GEC2	33.98		P	22:55:12.141		21.8		9.08		TAS		6.7	1.10	m_e mb	4.5
CLZ	31.89		P	22:54:53.981		21.8		9.08		TAS		6.9	1.00	m_e mb	4.5
CLL	31.81		P	22:54:52.114		21.8		9.08		TAS		12.4	1.41	m_e mb	4.6
BUG	32.97		P	22:55:03.263		21.8		9.08		TAS		19.7	0.94	m_e mb	5.0
BSEG	29.96		P	22:54:36.703		21.8		9.08		TAS		5.6	0.77	m_e mb	4.5
BRG	32.01		P	22:54:54.088		21.8		9.08		TAS		7.7	1.13	m_e mb	4.5

Event 1011009 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/11	23:16:36.30			26.5290	124.9130				33.0		0	0		81.92	86.70	m i	SZGRF
OrigID 1011044																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2	14	BGR	1011015
Ms	4.2	2	BGR	1011015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	86.70		P	23:29:15.749		55.5		5.10		TAS		40.3	1.50	m_e mb	5.3
TNS	85.18		P	23:29:08.255		55.5		5.10		TAS		13.0	1.42	m_e mb	5.0
TANN	82.96		P	23:28:56.764		55.5		5.10		TAS		9.1	1.37	m_e mb	4.8
ROTZ	83.46		P	23:29:00.184		55.5		5.10		TAS		18.7	1.83	m_e mb	5.0
NRDL	83.01		P	23:28:57.411		55.5		5.10		TAS		49.7	1.85	m_e mb	5.4
MOX	83.28		P	23:28:58.842		55.5		5.10		TAS		20.3	1.69	m_e mb	5.1
MOX	83.28		L	00:08:19.206						T__		151.2	18.80	m_e Ms	4.4
IBBN	84.29		P	23:29:03.775		55.5		5.10		TAS		32.2	1.23	m_e mb	5.4
GRA1	84.03		P	23:29:02.706		55.5		5.10		TAS		30.0	1.43	m_e mb	5.3

GTTG	83.63	P	23:29:00.592	55.5	5.10	TAS	35.5	1.55	m_e	mb	5.4
GRA1	84.03	L	00:06:03.937			T__	91.8	20.80	m_e	Ms	4.1
CLZ	83.25	P	23:28:58.810	55.5	5.10	TAS	43.1	1.73	m_e	mb	5.4
CLL	82.19	P	23:28:52.344	55.5	5.10	TAS	14.5	1.35	m_e	mb	4.9
BUG	85.05	P	23:29:07.402	55.5	5.10	TAS	29.1	1.37	m_e	mb	5.3
BRG	81.92	P	23:28:51.179	55.5	5.10	TAS	14.9	1.73	m_e	mb	4.8
AHRW	85.69	P	23:29:10.704	55.5	5.10	TAS	31.1	1.41	m_e	mb	5.2

Event 1012006 Irian Jaya, Indonesia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/12	10:21:35.50			-4.9300	133.7200				9.9		0	0		113.76	114.37	m i	NEIC
	1012068																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8	2	BGR	1012012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	114.37		PP	10:41:00.598						T__				m_e		
MOX	113.76		L	11:39:04.717						T__		3415.4	20.10	m_e	Ms	5.9
GRA1	114.37		L	11:37:01.332						T__		2577.6	20.40	m_e	Ms	5.8

Event 1012008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/12	12:02:51.15			-19.9980	-174.7770				33.0		0	0		145.90	151.65	m i	SZGRF
	1012043																

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	150.28		PKPbc	12:20:59.954		11.3		2.58		TAS				m_e	
TANN	149.11		pPKPbc	12:22:45.643						T__				m_e	
TANN	149.11		PKPbc	12:20:57.505		11.3		2.58		TAS				m_e	
ROTZ	149.78		PKPbc	12:20:59.046		11.3		2.58		TAS				m_e	
RJOB	151.65		PKPbc	12:21:02.818		11.3		2.58		TAS				m_e	
NRDL	147.34		PKPbc	12:20:52.267		11.3		2.58		TAS				m_e	
MOX	149.00		PKPbc	12:20:57.043		11.3		2.58		TAS				m_e	
IBBN	147.69		PKPbc	12:20:53.345		11.3		2.58		TAS				m_e	
GTTG	148.30		PKPbc	12:20:55.087		11.3		2.58		TAS				m_e	
GRA1	149.99		PKPbc	12:20:59.465		11.3		2.58		TAS				m_e	
GEC2	150.42		PKPbc	12:21:00.320		11.3		2.58		TAS				m_e	
CLZ	147.97		PKPbc	12:20:54.115		11.3		2.58		TAS				m_e	

CLL	148.16	PKPbc	12:20:54.424	11.3	2.58	TAS	m_e
BSEG	145.90	PKPbc	12:20:48.261	11.3	2.58	TAS	m_e
BRG	148.43	PKPbc	12:20:55.194	11.3	2.58	TAS	m_e

Event 1012009 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/12	12:02:55.50			-20.4800	-173.9500				9.9		0	0		146.44	151.04	m i	NEIC
OrigID 1012070																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0	2	BGR	1012015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	150.88		PKP	12:22:47.231						T__				m_e	
WET	150.88		PKP	12:22:46.475						T__				m_e	
TNS	150.26		PKP	12:22:46.889						T__				m_e	
TANN	149.70		PKP	12:22:45.729						T__				m_e	
ROTZ	150.37		PKP	12:22:45.926						T__				m_e	
NRDL	147.89		PKP	12:22:40.830						T__				m_e	
MOX	149.58		PKP	12:22:45.209						T__				m_e	
MOX	149.58		L	13:37:06.057						T__		2407.1	18.70	m_e Ms	6.0
IBBN	148.21		PKP	12:22:41.683						T__				m_e	
GTTG	148.84		PKP	12:22:43.341						T__				m_e	
GRA1	150.56		PKP	12:22:47.250						T__				m_e	
GRA1	150.56		L	13:35:37.947						T__		1966.1	19.60	m_e Ms	5.9
GEC2	151.04		PKP	12:22:46.867						T__				m_e	
CLZ	148.52		PKP	12:22:42.916						T__				m_e	
CLL	148.75		PKP	12:22:43.114						T__				m_e	
BUG	149.09		PKP	12:22:43.537						T__				m_e	
BSEG	146.44		PKP	12:22:36.881						T__				m_e	
BRG	149.04		PKP	12:22:43.967						T__				m_e	

Event 1013001 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/13	05:40:26.80			73.0600	12.9300				13.6		0	0		23.46	23.46	m i	NEIC
OrigID 1013064																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3	1	BGR	1013007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 23.46 P 05:45:41.354 1.3 9.29 TAS 20.9 1.90 m_e mb 4.3

Event 1013006 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/13	19:42:43.71			26.6030	-44.8310				33.0		0	0		48.44	48.44	m i	SZGRF
OrigID 1013041																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7	1	BGR	1013012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.44		P	19:51:22.551		261.2		7.51		TAS		5.8	0.92	m_e mb	4.7

Event 1013007 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/13	22:43:17.04			44.4660	12.4070				10.0		47	39		2.54	9.58	m i	SZGRF
OrigID 1013042																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		BGR	1013013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	2.85		Pn	22:44:03.537						T__				m_e	
WLF	6.73		Pn	22:44:55.962						T__				m_e ML	4.3
WILA	3.83		Pn	22:44:15.922						T__				m_e ML	4.5
WET	4.69		Sn	22:45:20.024						T__				m_e	
WET	4.69		Pn	22:44:27.092						T__				m_e ML	4.4
WERN	5.82		Pn	22:44:42.646						T__				m_e ML	4.5
WERD	5.99		Pn	22:44:45.408						T__				m_e ML	4.5
TNS	6.36		Pn	22:44:50.122						T__				m_e ML	4.4
TANN	5.95		Sn	22:45:51.541						T__				m_e	
TANN	5.95		Pn	22:44:44.659						T__				m_e ML	4.5
SULZ	4.28		Pn	22:44:21.301						T__				m_e ML	4.6
STU	4.84		Pn	22:44:29.259						T__				m_e ML	4.5
SOP	4.32		Pn	22:44:21.799						T__				m_e	
SLE	4.28		Sn	22:45:09.740						T__				m_e	
SLE	4.28		Pn	22:44:21.133						T__				m_e ML	4.5
ROTZ	5.31		Sn	22:45:34.098						T__				m_e	
ROTZ	5.31		Pn	22:44:35.279						T__				m_e ML	4.2
RJOB	3.28		Pn	22:44:09.713						T__				m_e ML	4.2
PSZ	6.24		Pn	22:44:47.748						T__				m_e	

PLONS	3.34	Sn	22:44:51.326	T__	m_e		
PLONS	3.34	Pn	22:44:10.188	T__	m_e ML	4.2	
PLN	6.03	Pn	22:44:45.623	T__	m_e		
OBKA	2.54	Pn	22:43:57.701	T__	m_e ML	4.5	
NRDL	8.18	Pn	22:45:16.174	T__	m_e ML	4.4	
NEUB	6.75	Pn	22:44:56.034	T__	m_e ML	5.0	
MOX	6.21	Sn	22:45:56.214	T__	m_e		
MOX	6.21	Pn	22:44:47.121	T__	m_e ML	4.5	
MOA	3.62	Pn	22:44:13.735	T__	m_e ML	4.2	
MANZ	5.53	Pn	22:44:38.322	T__	m_e ML	4.3	
KBA	2.69	Pn	22:44:01.281	T__	m_e ML	4.2	
GUNZ	5.90	Pn	22:44:43.412	T__	m_e ML	4.6	
GRA1	5.29	Pn	22:44:35.256	T__	m_e ML	4.7	
GEC2	4.47	Pn	22:44:24.390	T__	m_e ML	4.2	
FUR	3.78	Pn	22:44:15.628	T__	m_e ML	4.6	
FBE	6.49	Pn	22:44:51.362	T__	m_e ML	4.5	
DAVA	3.33	Pn	22:44:10.409	T__	m_e ML	4.1	
CLZ	7.50	Pn	22:45:06.069	T__	m_e ML	4.6	
CLL	6.86	Pn	22:44:57.015	T__	m_e ML	4.8	
BSEG	9.58	Pn	22:45:34.153	T__	m_e		
BRG	6.49	Pn	22:44:51.493	T__	m_e ML	4.4	
BFO	4.78	Sn	22:45:21.670	T__	m_e		
BFO	4.78	Pn	22:44:28.232	T__	m_e ML	4.2	
BALST	4.37	Sn	22:45:10.262	T__	m_e		
BALST	4.37	Pn	22:44:21.962	T__	m_e ML	4.4	
ASSE	7.76	Pn	22:45:09.809	T__	m_e ML	4.6	
ARSA	3.53	Pn	22:44:10.972	T__	m_e ML	4.0	
AHRW	7.07	Pn	22:45:00.277	T__	m_e ML	4.3	

Event 1014005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/14	13:58:59.91			43.3570	143.5920				45.0		0	0		75.16	80.58	m i	SZGRF
	1014040																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5	30	BGR	1014011
Ms	5.1	7	BGR	1014011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	78.26		P	14:10:53.153		33.3		5.54		TAS		43.7	0.94	m_e mb	5.6
WET	78.26		L	14:48:35.268						T__		948.7	21.50	m_e Ms	5.1
WERN	77.50		P	14:10:48.815		33.3		5.54		TAS		29.8	0.77	m_e mb	5.5
WERD	77.39		P	14:10:48.003		33.3		5.54		TAS		23.4	0.93	m_e mb	5.3
TNS	78.92		P	14:10:56.553		33.3		5.54		TAS		32.1	1.03	m_e mb	5.3
TANN	77.36		P	14:10:47.841		33.3		5.54		TAS		15.0	0.92	m_e mb	5.1

STU	79.90	P	14:11:01.848	33.3	5.54	TAS	67.2	0.91	m_e	mb	5.6
RUE	75.20	P	14:10:35.863	33.3	5.54	TAS	91.2	1.09	m_e	mb	5.7
ROTZ	77.99	P	14:10:51.753	33.3	5.54	TAS	36.8	1.02	m_e	mb	5.5
RJOB	79.45	P	14:10:59.753	33.3	5.54	TAS	48.3	0.87	m_e	mb	5.5
PLN	77.41	P	14:10:48.153	33.3	5.54	TAS	27.0	0.97	m_e	mb	5.3
NRDL	76.44	P	14:10:42.860	33.3	5.54	TAS	31.2	0.91	m_e	mb	5.4
NEUB	76.96	P	14:10:45.509	33.3	5.54	TAS	103.7	0.85	m_e	mb	6.0
MOX	77.47	P	14:10:48.453	33.3	5.54	TAS	29.3	0.85	m_e	mb	5.4
MANZ	77.84	P	14:10:50.553	33.3	5.54	TAS	30.8	0.96	m_e	mb	5.4
GUNZ	77.45	P	14:10:48.453	33.3	5.54	TAS	28.9	0.89	m_e	mb	5.4
IBBN	77.37	P	14:10:48.045	33.3	5.54	TAS	88.1	1.04	m_e	mb	5.8
GTTG	77.29	P	14:10:47.660	33.3	5.54	TAS	63.8	0.91	m_e	mb	5.7
GRA1	78.41	L	14:49:06.249			T__	823.3	20.70	m_e	Ms	5.0
GRA1	78.41	P	14:10:54.103	33.3	5.54	TAS	99.8	1.04	m_e	mb	5.9
GEC2	78.20	P	14:10:52.353	33.3	5.54	TAS	18.8	0.76	m_e	mb	5.3
GEC2	78.20	L	14:49:56.473			T__	702.2	19.00	m_e	Ms	5.0
FUR	79.67	P	14:11:00.703	33.3	5.54	TAS	87.7	1.00	m_e	mb	5.6
FUR	79.67	L	14:49:14.642			T__	1112.0	21.70	m_e	Ms	5.2
FLT1	76.20	P	14:10:40.953	33.3	5.54	TAS	98.6	0.81	m_e	mb	6.0
FBE	76.62	P	14:10:43.853	33.3	5.54	TAS	54.5	0.98	m_e	mb	5.6
CLZ	76.90	L	14:47:41.725			T__	791.2	21.60	m_e	Ms	5.0
CLL	76.43	L	14:47:26.267			T__	1234.4	21.90	m_e	Ms	5.2
CLL	76.43	P	14:10:42.303	33.3	5.54	TAS	82.9	0.84	m_e	mb	5.9
BUG	78.27	P	14:10:52.753	33.3	5.54	TAS	58.7	0.82	m_e	mb	5.8
WLF	80.16	P	14:11:03.159	33.3	5.54	TAS	40.7	1.14	m_e	mb	5.3
BSEG	75.16	P	14:10:35.903	33.3	5.54	TAS	63.7	0.81	m_e	mb	5.7
BRG	76.45	P	14:10:42.603	33.3	5.54	TAS	25.7	0.93	m_e	mb	5.3
BFO	80.58	P	14:11:05.303	33.3	5.54	TAS	33.2	0.96	m_e	mb	5.3
BFO	80.58	L	14:49:06.018			T__	643.9	21.90	m_e	Ms	4.9
ASSE	76.56	P	14:10:43.585	33.3	5.54	TAS	36.3	0.93	m_e	mb	5.5
AHRW	79.10	P	14:10:57.603	33.3	5.54	TAS	49.3	1.05	m_e	mb	5.5

Event 1015005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/15	17:54:02.50			46.9700	-27.1700				10.0		0	0		22.22	27.23	m i	NEIC
	1015067																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7	9	BGR	1015011
Ms	4.3	6	BGR	1015011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	22.22		P	17:58:59.245		278.7		9.65		TAS				m_e	
WET	26.64		L	18:09:27.452						T__	1296.7	19.70		m_e Ms	4.5
WET	26.64		P	17:59:40.539		278.7		9.65		TAS				m_e	

WERN	26.13	P	17:59:37.263	278.7	9.65	TAS	39.2	2.18	m_e	mb	4.7
WERD	26.07	P	17:59:36.463	278.7	9.65	TAS	23.6	1.76	m_e	mb	4.5
TNS	23.64	P	17:59:14.886	278.7	9.65	TAS			m_e		
TANN	26.17	P	17:59:37.463	278.7	9.65	TAS	14.0	1.34	m_e	mb	4.4
ROTZ	26.10	P	17:59:37.313	278.7	9.65	TAS	33.7	2.04	m_e	mb	4.6
STU	24.32	P	17:59:20.663	278.7	9.65	TAS			m_e		
RJOB	26.88	P	18:00:13.013	278.7	9.65	TAS			m_e		
PLN	25.97	P	17:59:35.613	278.7	9.65	TAS	14.7	1.39	m_e	mb	4.4
MANZ	26.01	P	17:59:36.413	278.7	9.65	TAS	41.8	1.64	m_e	mb	4.8
NRDL	24.52	P	17:59:23.020	278.7	9.65	TAS			m_e		
IBBN	23.09	P	17:59:08.630	278.7	9.65	TAS			m_e		
GUNZ	26.09	P	17:59:36.763	278.7	9.65	TAS	23.5	1.69	m_e	mb	4.5
GRA1	25.48	L	18:08:44.691			T__	1415.0	19.70	m_e	Ms	4.5
GEC2	27.23	P	17:59:47.413	278.7	9.65	TAS			m_e		
GEC2	27.23	L	18:09:33.416			T__	1091.8	20.70	m_e	Ms	4.4
FUR	25.79	L	18:08:38.446			T__	1092.3	18.90	m_e	Ms	4.4
FLT1	25.22	P	17:59:28.025	278.7	9.65	TAS			m_e		
FBE	26.67	P	17:59:42.513	278.7	9.65	TAS			m_e		
CLZ	24.72	P	17:59:23.713	278.7	9.65	TAS	67.6	1.61	m_e	mb	5.1
CLL	26.40	L	18:08:51.015			T__	525.1	21.70	m_e	Ms	4.0
CLL	26.40	P	17:59:39.663	278.7	9.65	TAS			m_e		
BUG	22.81	P	17:59:06.440	278.7	9.65	TAS			m_e		
BSEG	24.64	P	17:59:22.413	278.7	9.65	TAS			m_e		
BRG	27.04	P	17:59:44.918	278.7	9.65	TAS			m_e		
BFO	23.83	P	17:59:14.538	278.7	9.65	TAS			m_e		
BFO	23.83	L	18:07:17.161			T__	1104.1	20.60	m_e	Ms	4.3
ASSE	24.88	P	17:59:28.723	278.7	9.65	TAS	33.5	1.31	m_e	mb	4.9

Event 1016002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/16	13:27:46.10			-20.4000	-173.9500			9.5			0	0		146.36	152.07	m i	NEIC
	1016064																

Magnitude Err Nsta Author OrigID
 Ms 5.7 5 BGR 1016008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	149.76		PKP	13:47:37.264		9.9		2.55		TAS				m_e	
WERD	149.61		PKP	13:47:36.559		9.9		2.55		TAS				m_e	
TNS	150.18		PKP	13:47:37.759		9.9		2.55		TAS				m_e	
STU	151.58		PKP	13:47:41.059		9.9		2.55		TAS				m_e	
TANN	149.62		PKP	13:47:36.609		9.9		2.55		TAS				m_e	
RUE	147.43		PKP	13:47:30.609		9.9		2.55		TAS				m_e	
ROTZ	150.29		PKP	13:47:38.359		9.9		2.55		TAS				m_e	
PLN	149.59		PKP	13:47:36.609		9.9		2.55		TAS				m_e	

NRDL	147.81	PKP	13:47:31.723	9.9	2.55	TAS											m_e
NEUB	148.94	PKP	13:47:34.709	9.9	2.55	TAS											m_e
MOX	149.50	PKP	13:47:36.209	9.9	2.55	TAS											m_e
MANZ	150.09	PKP	13:47:37.759	9.9	2.55	TAS											m_e
GUNZ	149.69	PKP	13:47:36.859	9.9	2.55	TAS											m_e
GRA1	150.48	PKP	13:47:38.809	9.9	2.55	TAS											m_e
GTTG	148.76	PKP	13:47:34.209	9.9	2.55	TAS											m_e
GRA1	150.48	L	14:59:02.086			T__	1463.7	20.10									m_e Ms 5.8
GEC2	150.96	PKP	13:47:39.659	9.9	2.55	TAS											m_e
FLT1	147.88	PKP	13:47:31.683	9.9	2.55	TAS											m_e
GEC2	150.96	L	15:02:21.383			T__	1424.6	18.80									m_e Ms 5.8
FBE	149.00	PKP	13:47:35.359	9.9	2.55	TAS											m_e
CLZ	148.44	PKP	13:47:33.635	9.9	2.55	TAS											m_e
CLZ	148.44	L	15:00:20.828			T__	1306.0	18.80									m_e Ms 5.7
CLL	148.68	PKP	13:47:33.931	9.9	2.55	TAS											m_e
CLL	148.68	L	15:04:29.552			T__	1208.6	18.60									m_e Ms 5.7
BUG	149.01	PKP	13:47:34.609	9.9	2.55	TAS											m_e
BRG	148.96	PKP	13:47:34.909	9.9	2.55	TAS											m_e
BSEG	146.36	PKP	13:47:27.659	9.9	2.55	TAS											m_e
BFO	152.07	PKP	13:47:41.909	9.9	2.55	TAS											m_e
BFO	152.07	L	15:02:15.474			T__	1043.8	19.20									m_e Ms 5.7
ASSE	148.13	PKP	13:47:32.472	9.9	2.55	TAS											m_e
AHRW	149.91	PKP	13:47:37.598	9.9	2.55	TAS											m_e
WET	150.80	PKP	13:47:39.409	9.9	2.55	TAS											m_e
WLF	150.80	PKP	13:47:39.709	9.9	2.55	TAS											m_e

Event 1016003 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/16	19:51:47.34			5.8210	94.8200				33.0		0	0		79.75	84.74	m i	SZGRF
	1016038																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9	29	BGR	1016009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	80.35		P	20:03:47.944		91.1		5.27		TAS		127.7	1.02	m_e	mb 5.8
WLF	84.74		P	20:04:11.108		91.1		5.27		TAS		107.0	1.15	m_e	mb 6.0
WERN	80.72		P	20:03:49.880		91.1		5.27		TAS		56.0	0.99	m_e	mb 5.6
WERD	80.77		P	20:03:49.907		91.1		5.27		TAS		64.8	0.95	m_e	mb 5.6
TNS	83.24		P	20:04:03.007		91.1		5.27		TAS		72.3	0.99	m_e	mb 5.9
TANN	80.67		P	20:03:49.357		91.1		5.27		TAS		79.0	1.35	m_e	mb 5.6
STU	82.78		P	20:04:00.440		91.1		5.27		TAS		61.4	0.79	m_e	mb 5.9
RUE	79.95		P	20:03:45.475		91.1		5.27		TAS		291.3	0.91	m_e	mb 6.2
RJOB	80.36		P	20:03:47.308		91.1		5.27		TAS		112.6	1.15	m_e	mb 5.7
ROTZ	80.81		P	20:03:50.785		91.1		5.27		TAS		113.6	0.98	m_e	mb 5.9

PLN	80.87	P	20:03:50.400	91.1	5.27	TAS	50.2	0.92	m_e	mb	5.5
NRDL	82.20	P	20:03:57.807	91.1	5.27	TAS			m_e		
NEUB	81.14	P	20:03:51.713	91.1	5.27	TAS	123.2	0.94	m_e	mb	5.9
MOX	81.22	P	20:03:52.257	91.1	5.27	TAS	107.2	1.50	m_e	mb	5.7
IBBN	83.64	P	20:04:05.074	91.1	5.27	TAS	155.1	0.89	m_e	mb	6.2
MANZ	80.88	P	20:03:51.057	91.1	5.27	TAS	180.4	1.20	m_e	mb	6.0
GUNZ	80.75	P	20:03:50.017	91.1	5.27	TAS	81.7	1.07	m_e	mb	5.7
GTTG	82.28	P	20:03:57.831	91.1	5.27	TAS	120.1	1.10	m_e	mb	5.9
GRA1	81.45	P	20:03:53.957	91.1	5.27	TAS			m_e		
GEC2	79.80	P	20:03:44.957	91.1	5.27	TAS	205.7	1.01	m_e	mb	6.0
FUR	81.39	P	20:03:53.026	91.1	5.27	TAS	117.1	0.96	m_e	mb	5.9
FBE	80.13	P	20:03:46.906	91.1	5.27	TAS	167.2	0.93	m_e	mb	6.0
FLT1	81.50	P	20:03:52.857	91.1	5.27	TAS	47.4	0.91	m_e	mb	5.6
CLZ	82.03	P	20:03:56.507	91.1	5.27	TAS	136.8	0.94	m_e	mb	6.1
CLL	80.37	P	20:03:47.370	91.1	5.27	TAS	76.5	1.02	m_e	mb	5.6
BUG	83.96	P	20:04:06.743	91.1	5.27	TAS	119.9	1.05	m_e	mb	6.1
BSEG	82.09	P	20:03:57.066	91.1	5.27	TAS	181.2	0.95	m_e	mb	6.2
BRG	79.75	P	20:03:44.491	91.1	5.27	TAS	97.7	1.00	m_e	mb	5.7
BFO	83.36	P	20:04:03.107	91.1	5.27	TAS	85.6	0.88	m_e	mb	6.0
ASSE	81.84	P	20:03:55.257	91.1	5.27	TAS	95.5	1.08	m_e	mb	5.8
AHRW	84.11	P	20:04:07.721	91.1	5.27	TAS	92.1	1.09	m_e	mb	5.9

Event 1016004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/16	20:08:31.70			-20.3300	-173.7300				12.6		0	0		146.31	152.15	m i	NEIC
OrigID 1016066																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0	6	BGR	1016010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	150.12		PKP	20:28:17.635		9.5		2.47		TAS				m_e	
TNS	150.12		L	21:39:28.062						T__		2920.9	19.70	m_e	Ms 6.1
TANN	149.58		PKP	20:28:15.312		9.5		2.47		TAS				m_e	
RUE	147.39		PKP	20:28:09.212		9.5		2.47		TAS				m_e	
STU	151.53		PKP	20:28:19.578		9.5		2.47		TAS				m_e	
ROTZ	150.25		PKP	20:28:17.062		9.5		2.47		TAS				m_e	
RJOB	152.15		PKP	20:28:19.975		9.5		2.47		TAS				m_e	
PLN	149.55		PKP	20:28:15.362		9.5		2.47		TAS				m_e	
NRDL	147.76		PKP	20:28:10.312		9.5		2.47		TAS				m_e	
NEUB	148.90		PKP	20:28:13.412		9.5		2.47		TAS				m_e	
MOX	149.46		PKP	20:28:14.862		9.5		2.47		TAS				m_e	
MANZ	150.05		PKP	20:28:16.412		9.5		2.47		TAS				m_e	
IBBN	148.06		PKP	20:28:11.112		9.5		2.47		TAS				m_e	
GUNZ	149.65		PKP	20:28:15.512		9.5		2.47		TAS				m_e	

MANZ	73.82	P	10:26:43.863	88.2	5.82	TAS	22.6	1.45	m_e	mb	5.0
GUNZ	73.67	P	10:26:42.513	88.2	5.82	TAS	8.3	0.93	m_e	mb	4.8
IBBN	76.46	P	10:26:58.563	88.2	5.82	TAS	32.3	1.37	m_e	mb	5.3
GTTG	75.14	P	10:26:50.946	88.2	5.82	TAS	25.1	1.32	m_e	mb	5.1
GRA1	74.40	P	10:26:47.120	88.2	5.82	TAS	18.4	1.10	m_e	mb	5.0
GEC2	72.79	P	10:26:37.359	88.2	5.82	TAS	13.5	0.94	m_e	mb	5.1
GRA1	74.40	L	11:04:27.542			T__	86.5	18.80	m_e	Ms	4.1
GEC2	72.79	L	11:03:17.593			T__	72.4	20.10	m_e	Ms	3.9
FBE	73.02	P	10:26:39.013	88.2	5.82	TAS	41.0	1.51	m_e	mb	5.3
CLZ	74.87	P	10:26:49.529	88.2	5.82	TAS	11.3	0.92	m_e	mb	4.9
CLL	73.24	P	10:26:39.571	88.2	5.82	TAS	25.3	1.59	m_e	mb	5.1
CLZ	74.87	L	11:04:35.597			T__	90.1	20.10	m_e	Ms	4.1
CLL	73.24	L	11:02:28.648			T__	74.0	21.10	m_e	Ms	3.9
BSEG	74.85	P	10:26:49.543	88.2	5.82	TAS	19.1	1.00	m_e	mb	5.1
BRG	72.65	P	10:26:36.513	88.2	5.82	TAS	24.0	1.51	m_e	mb	5.1
BFO	76.38	L	11:05:46.199			T__	69.2	18.10	m_e	Ms	4.0
ASSE	74.68	P	10:26:47.811	88.2	5.82	TAS	19.6	1.34	m_e	mb	5.0

Event 1017003 Greece-Albania border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/17	17:55:05.60			39.3570	20.6320				16.0		21	21		10.12	16.18	m i	NEIC
	1017042																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	11.25		Pn	17:57:43.490						T__					m_e
WERN	12.39		Pn	17:58:01.294						T__					m_e
WERD	12.55		Pn	17:58:03.898						T__					m_e
TNS	13.87		Pn	17:58:20.155						T__					m_e
TANN	12.47		Pn	17:58:02.904						T__					m_e
STU	12.49		Pn	17:58:01.398						T__					m_e
ROTZ	12.01		Pn	17:57:54.830						T__					m_e
RJOB	10.12		Pn	17:57:29.458						T__		62.0	0.51		m_e
PLN	12.63		Pn	17:58:03.715						T__					m_e
NRDL	15.02		Pn	17:58:38.823						T__					m_e
MOX	12.95		Pn	17:58:07.498						T__					m_e
MANZ	12.23		Pn	17:57:57.873						T__					m_e
IBBN	15.72		Pn	17:58:47.319						T__					m_e
GUNZ	12.47		Pn	17:58:02.459						T__					m_e
GEC2	10.71		Pn	17:57:37.055						T__					m_e
FUR	11.09		Pn	17:57:43.222						T__					m_e
FBE	12.64		Pn	17:58:05.509						T__					m_e
CLZ	14.38		Pn	17:58:29.460						T__					m_e
BSEG	16.18		Pn	17:58:54.489						T__					m_e

BFO	12.61	Pn	17:58:02.093	T__	m_e
ASSE	14.52	Pn	17:58:31.223	T__	m_e

Event	1017005	Nepal																
Date		Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																		
2010/10/17		20:11:12.98			27.5070	85.7760				33.0		0	0		57.90	63.05	m i	SZGRF
1017040																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.2	25	BGR	1017011
Ms	3.7	6	BGR	1017011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	63.05		P	20:21:37.102		82.1		6.89		TAS		29.2	0.98	m_e mb	5.4
WET	58.80		P	20:21:08.177		82.1		6.89		TAS		14.0	0.78	m_e mb	5.1
WERD	59.01		P	20:21:09.319		82.1		6.89		TAS		18.1	0.84	m_e mb	5.1
TNS	61.49		P	20:21:26.406		82.1		6.89		TAS		23.7	0.85	m_e mb	5.4
TNS	61.49		L	20:47:12.520						T__		62.1	21.90	m_e Ms	3.7
TANN	58.92		P	20:21:08.587		82.1		6.89		TAS		13.3	0.92	m_e mb	5.0
RUE	57.90		P	20:21:01.059		82.1		6.89		TAS		54.6	0.70	m_e mb	5.7
ROTZ	59.16		P	20:21:11.030		82.1		6.89		TAS		26.8	0.86	m_e mb	5.3
PLN	59.10		P	20:21:09.849		82.1		6.89		TAS		13.2	0.77	m_e mb	5.0
NEUB	59.26		P	20:21:10.745		82.1		6.89		TAS		33.2	0.81	m_e mb	5.4
NRDL	60.13		P	20:21:17.177		82.1		6.89		TAS		46.8	0.98	m_e mb	5.5
MOX	59.43		P	20:21:12.090		82.1		6.89		TAS		17.3	0.91	m_e mb	5.1
MOX	59.43		L	20:47:43.113						T__		57.3	21.00	m_e Ms	3.7
MANZ	59.20		P	20:21:10.867		82.1		6.89		TAS		17.9	1.27	m_e mb	4.9
IBBN	61.59		P	20:21:26.793		82.1		6.89		TAS		30.1	1.07	m_e mb	5.4
GUNZ	59.01		P	20:21:09.278		82.1		6.89		TAS		19.2	0.87	m_e mb	5.1
GEC2	58.30		P	20:21:04.511		82.1		6.89		TAS		17.8	1.28	m_e mb	4.9
GRA1	59.80		L	20:46:43.763						T__		77.7	20.40	m_e Ms	3.8
GEC2	58.30		L	20:45:27.463						T__		65.6	19.20	m_e Ms	3.8
FUR	59.99		L	20:47:17.395						T__		46.2	19.80	m_e Ms	3.6
FLT1	59.47		P	20:21:11.479		82.1		6.89		TAS		25.8	0.97	m_e mb	5.2
FBE	58.30		P	20:21:04.551		82.1		6.89		TAS		36.8	0.83	m_e mb	5.4
CLZ	60.05		P	20:21:16.572		82.1		6.89		TAS		44.1	0.82	m_e mb	5.5
CLL	58.48		P	20:21:05.081		82.1		6.89		TAS		11.2	0.88	m_e mb	4.9
CLL	58.48		L	20:46:19.269						T__		67.6	21.70	m_e Ms	3.7
BUG	62.03		P	20:21:29.771		82.1		6.89		TAS		23.8	0.94	m_e mb	5.4
BSEG	59.84		P	20:21:14.894		82.1		6.89		TAS		32.1	0.90	m_e mb	5.4
BRG	57.93		P	20:21:01.699		82.1		6.89		TAS		29.3	0.79	m_e mb	5.4
BFO	61.90		P	20:21:28.389		82.1		6.89		TAS		3.2	0.70	m_e mb	4.7
ASSE	59.83		P	20:21:14.290		82.1		6.89		TAS		7.6	0.99	m_e mb	4.7
AHRW	62.30		P	20:21:32.342		82.1		6.89		TAS		19.8	0.92	m_e mb	5.2

Event 1019007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/19	20:39:38.40			-20.4700	-173.5800				21.0		0	0		145.58	152.16	m i	NEIC
	1019061																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2	5	BGR	1019013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	149.87		P	20:59:27.327		9.2		2.90		TAS				m_e	
WERD	149.72		P	20:59:26.777		9.2		2.90		TAS				m_e	
TANN	149.74		P	20:59:26.877		9.2		2.90		TAS				m_e	
TNS	150.27		P	20:59:28.077		9.2		2.90		TAS				m_e	
ROTZ	150.41		P	20:59:28.627		9.2		2.90		TAS				m_e	
RGN	145.58		P	20:59:13.036		9.2		2.90		TAS				m_e	
PLN	149.70		P	20:59:26.654		9.2		2.90		TAS				m_e	
NRDL	147.91		P	20:59:21.927		9.2		2.90		TAS				m_e	
MOX	149.61		P	20:59:26.377		9.2		2.90		TAS				m_e	
NEUB	149.05		P	20:59:25.027		9.2		2.90		TAS				m_e	
MOX	149.61		L	22:13:56.864						T__		371.8	18.30	m_e Ms	5.2
IBBN	148.21		P	20:59:22.627		9.2		2.90		TAS				m_e	
MANZ	150.20		P	20:59:27.977		9.2		2.90		TAS				m_e	
GUNZ	149.80		P	20:59:27.027		9.2		2.90		TAS				m_e	
GRA1	150.59		L	22:10:37.721						T__		480.0	18.90	m_e Ms	5.3
GTTG	148.86		P	20:59:24.527		9.2		2.90		TAS				m_e	
GEC2	151.09		L	22:08:52.998						T__		369.8	20.70	m_e Ms	5.2
GEC2	151.09		P	20:59:29.622		9.2		2.90		TAS				m_e	
FLT1	147.98		P	20:59:21.827		9.2		2.90		TAS				m_e	
FBE	149.12		P	20:59:25.627		9.2		2.90		TAS				m_e	
CLZ	148.54		P	20:59:24.180		9.2		2.90		TAS				m_e	
CLL	148.79		L	22:11:19.253						T__		358.8	19.30	m_e Ms	5.2
CLL	148.79		P	20:59:24.227		9.2		2.90		TAS				m_e	
BUG	149.08		P	20:59:24.777		9.2		2.90		TAS				m_e	
BSEG	146.46		P	20:59:17.927		9.2		2.90		TAS				m_e	
BRG	149.09		P	20:59:25.327		9.2		2.90		TAS				m_e	
BFO	152.16		L	22:13:41.168						T__		276.6	18.50	m_e Ms	5.1
ASSE	148.23		P	20:59:23.523		9.2		2.90		TAS				m_e	

Event 1020008 Gulf of California, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/20	04:10:02.43			27.3350	-111.2490				10.0		0	0		85.50	89.64	m i	SZGRF

1020043

Magnitude	Err	Nsta	Author	OrigID
mb	5.5	14	BGR	1020014
Ms	6.0	6	BGR	1020014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERD	87.89		P	04:22:44.807		311.4		4.78		TAS				m_e	
TNS	86.16		P	04:22:36.725		311.4		4.78		TAS		102.9	2.20	m_e mb	5.6
ROTZ	88.30		P	04:22:46.820		311.4		4.78		TAS				m_e	
PLN	87.79		P	04:22:44.056		311.4		4.78		TAS		127.2	2.67	m_e mb	5.8
NEUB	87.14		P	04:22:41.554		311.4		4.78		TAS		187.7	2.22	m_e mb	5.8
NRDL	85.50		P	04:22:34.074		311.4		4.78		TAS		32.8	1.03	m_e mb	5.4
MOX	87.43		P	04:22:42.773		311.4		4.78		TAS		65.6	2.22	m_e mb	5.4
MOX	87.43		L	05:01:56.652						T__		4183.7	20.80	m_e Ms	5.8
MANZ	88.10		P	04:22:45.853		311.4		4.78		TAS		11.2	1.04	m_e mb	5.1
GUNZ	87.96		P	04:22:45.285		311.4		4.78		TAS		23.2	1.36	m_e mb	5.3
GTTG	86.05		P	04:22:36.446		311.4		4.78		TAS		114.1	2.12	m_e mb	5.6
GRA1	87.87		P	04:22:45.331		311.4		4.78		TAS		24.6	0.96	m_e mb	5.5
GEC2	89.64		P	04:22:52.681		311.4		4.78		TAS		49.1	2.29	m_e mb	5.3
GRA1	87.87		L	05:03:14.108						T__		6659.1	19.20	m_e Ms	6.1
GEC2	89.64		L	05:04:18.043						T__		6230.5	19.20	m_e Ms	6.1
FLT1	86.13		P	04:22:36.586		311.4		4.78		TAS		56.5	1.67	m_e mb	5.4
FUR	88.91		L	05:08:09.919						T__		4471.1	19.30	m_e Ms	5.9
CLZ	86.05		P	04:22:36.911		311.4		4.78		TAS		49.8	1.33	m_e mb	5.5
CLL	87.63		L	05:01:39.415						T__		4934.7	20.00	m_e Ms	5.9
BRG	88.36		P	04:22:47.192		311.4		4.78		TAS		62.3	2.23	m_e mb	5.5
BFO	87.30		L	05:00:17.530						T__		5290.7	19.40	m_e Ms	6.0
ASSE	86.00		P	04:22:36.586		311.4		4.78		TAS		39.8	1.22	m_e mb	5.4

Event 1021001 Off coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/21	02:49:55.60			-34.7100	-73.7400				7.0		0	0		112.58	114.67	m i	NEIC

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5	2	BGR	1021007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	113.30		PKKPab	03:19:27.365						T__				m_e	
TANN	113.62		PKKPbc	03:19:18.099						T__				m_e	
TANN	113.62		PKKPab	03:19:25.457						T__				m_e	
ROTZ	113.19		PKKPbc	03:19:19.276						T__				m_e	
ROTZ	113.19		PKKPab	03:19:27.757						T__				m_e	
NRDL	113.24		PKKPbc	03:19:19.213						T__				m_e	

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BSEG	151.15	PKPbc	07:45:18.732	20.4	2.13	TAS	m_e
BRG	153.13	pPKPab	07:46:17.447	15.1	4.38	TAS	m_e
BRG	153.13	PKPdf	07:45:14.127			T__	m_e
BRG	153.13	PKPbc	07:45:23.600	20.4	2.13	TAS	m_e
BRG	153.13	PKPab	07:45:36.022			T__	m_e
BFO	156.88	pPKPab	07:46:32.374	15.1	4.38	TAS	m_e
BFO	156.88	PKPab	07:45:50.976			T__	m_e

Event 1021008 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/21	11:00:35.00			-6.1800	150.8400				59.0		0	0		122.69	124.97	m i	NEIC
OrigID 1021062																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	124.44		PKPdf	11:19:28.444		51.8		1.92		TAS					m_e
NRDL	123.73		PKPdf	11:19:27.302		51.8		1.92		TAS					m_e
GRA1	124.97		PKPdf	11:19:29.209		51.8		1.92		TAS					m_e
GEC2	124.18		PKPdf	11:19:27.867		51.8		1.92		TAS					m_e
CLZ	124.03		PKPdf	11:19:27.807		51.8		1.92		TAS					m_e
CLL	123.08		PKPdf	11:19:25.608		51.8		1.92		TAS					m_e
BSEG	122.69		PKPdf	11:19:25.198		51.8		1.92		TAS					m_e
BRG	122.87		PKPdf	11:19:25.434		51.8		1.92		TAS					m_e

Event 1021009 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/21	11:50:32.30			-33.3800	178.6300				16.0		0	0		159.23	163.38	m i	NEIC
OrigID 1021063																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	162.80		PKPab	12:11:24.804		34.5		4.36		TAS					m_e
WET	161.01		PKPab	12:11:17.840		34.5		4.36		TAS					m_e
TANN	160.16		PKPab	12:11:13.700		34.5		4.36		TAS					m_e
ROTZ	160.78		PKPab	12:11:16.807		34.5		4.36		TAS					m_e
MOX	160.28		PKPab	12:11:13.745		34.5		4.36		TAS					m_e
GRA1	161.22		PKPab	12:11:18.411		34.5		4.36		TAS					m_e
GEC2	160.88		PKPab	12:11:17.135		34.5		4.36		TAS					m_e
CLL	159.24		PKPab	12:11:08.965		34.5		4.36		TAS					m_e

BRG	159.23	PKPab	12:11:09.608	34.5	4.36	TAS	m_e
BFO	163.38	PKPab	12:11:26.871	34.5	4.36	TAS	m_e

Event 1021012 Gulf of California, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/21	17:53:21.52			25.9350	-108.6660				33.0		0	0		84.42	89.79	m i	SZGRF
OrigID 1021047																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8	15	BGR	1021018
Ms	7.1	2	BGR	1021018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	85.12		P	18:05:56.173		308.7		4.80		TAS		111.2	1.28	m_e	MBB 6.6
WET	88.93		P	18:06:14.735		308.7		4.80		TAS		89.8	1.91	m_e	MBB 6.1
TNS	86.00		P	18:06:00.922		308.7		4.80		TAS		74.7	1.24	m_e	MBB 6.3
TANN	87.91		PP	18:09:38.902						T__				m_e	
TANN	87.91		P	18:06:09.669		308.7		4.80		TAS		55.5	1.12	m_e	MBB 6.3
ROTZ	88.19		PP	18:09:41.402						T__				m_e	
RJOB	89.79		P	18:06:18.989		308.7		4.80		TAS		27.4	1.67	m_e	MBB 6.1
ROTZ	88.19		P	18:06:11.253		308.7		4.80		TAS		56.3	1.42	m_e	MBB 6.3
MOX	87.34		PP	18:09:33.902						T__				m_e	
MOX	87.34		P	18:06:07.047		308.7		4.80		TAS		46.1	1.08	m_e	MBB 6.2
IBBN	84.42		P	18:05:53.661		308.7		4.80		TAS		171.1	1.35	m_e	MBB 6.6
MOX	87.34		L	18:42:45.175						T__		61031.5	20.60	m_e	Ms 7.0
GRA1	87.74		PP	18:09:18.932						T__				m_e	
GRA1	87.74		P	18:06:09.624		308.7		4.80		TAS		110.6	1.19	m_e	MBB 6.5
GEC2	89.54		P	18:06:17.069		308.7		4.80		TAS		123.5	2.28	m_e	MBB 6.0
GRA1	87.74		L	18:43:12.559						T__		95041.2	21.50	m_e	Ms 7.2
CLL	87.60		PP	18:09:35.440						T__				m_e	
CLL	87.60		P	18:06:07.901		308.7		4.80		TAS		47.9	1.17	m_e	MBB 6.3
BSEG	84.68		P	18:05:53.891		308.7		4.80		TAS		287.8	1.26	m_e	MBB 6.7
BRG	88.33		P	18:06:11.569		308.7		4.80		TAS		45.7	1.16	m_e	MBB 6.3
BFO	87.07		P	18:06:05.339		308.7		4.80		TAS		67.0	1.97	m_e	MBB 6.2
AHRW	85.10		P	18:05:55.680		308.7		4.80		TAS		98.4	1.18	m_e	MBB 6.6

Event 1022003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/22	12:10:35.22			-19.6800	-176.8400				300.0		0	0		147.41	151.12	m i	SZGRF
OrigID 1022038																	

Magnitude	Err	Nsta	Author	OrigID													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
WET	149.59		PKPbc	12:29:48.844		16.3		2.50		TAS				m_e			
WET	149.59		PKPab	12:29:54.727		13.0		4.31		TAS				m_e			
TNS	149.24		PKPbc	12:29:48.289		16.3		2.50		TAS				m_e			
TNS	149.24		PKPab	12:29:53.296		13.0		4.31		TAS				m_e			
TANN	148.45		PKPab	12:29:49.954		13.0		4.31		TAS				m_e			
ROTZ	149.12		PKPbc	12:29:47.568		16.3		2.50		TAS				m_e			
RJOB	150.94		PKPbc	12:29:51.936		16.3		2.50		TAS				m_e			
RJOB	150.94		PKPab	12:30:01.213		13.0		4.31		TAS				m_e			
GRA1	149.37		PKPbc	12:29:47.986		16.3		2.50		TAS				m_e			
GEC2	149.69		PKPbc	12:29:49.034		16.3		2.50		TAS				m_e			
GEC2	149.69		PKPab	12:29:55.576		13.0		4.31		TAS				m_e			
FUR	150.84		PKPbc	12:29:52.005		16.3		2.50		TAS				m_e			
CLZ	147.41		PKPbc	12:29:43.389		16.3		2.50		TAS				m_e			
CLL	147.50		PKPbc	12:29:43.263		16.3		2.50		TAS				m_e			
CLL	147.50		PKPab	12:29:45.969		13.0		4.31		TAS				m_e			
BRG	147.72		PKPbc	12:29:43.907		16.3		2.50		TAS				m_e			
BRG	147.72		PKPab	12:29:46.937		13.0		4.31		TAS				m_e			
BFO	151.12		PKPbc	12:29:52.369		16.3		2.50		TAS				m_e			
BFO	151.12		PKPab	12:30:01.052		13.0		4.31		TAS				m_e			

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
1022002	2010/10/22	15:38:15.60			55.1810	-35.3530				33.0		0	0		28.48	28.48	m i	SZGRF

Magnitude	Err	Nsta	Author	OrigID													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
mb	4.7		1 BGR														
GRA1	28.48		P	15:44:07.093		295.6		8.38		TAS		13.3	1.11	m_e	mb	4.7	

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
1022001	2010/10/22	19:31:33.40			-20.8600	-68.4500				88.4		0	0		96.18	99.59	m i	NEIC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	96.18		pP	19:45:14.764						T__					m_e
TNS	97.77		Pdiff	19:44:58.695						T__					m_e
WLF	96.18		Pdiff	19:44:51.813						T__					m_e
STU	97.65		Pdiff	19:44:57.919						T__					m_e
NRDL	99.59		Pdiff	19:45:07.124						T__					m_e
IBBN	98.19		Pdiff	19:45:00.395						T__					m_e
BUG	97.57		Pdiff	19:44:57.290						T__					m_e
CLZ	99.51		Pdiff	19:45:06.422						T__					m_e
WLF	96.18		sP	19:45:25.003						T__					m_e
BFO	96.94		Pdiff	19:44:55.489						T__					m_e
AHRW	97.09		Pdiff	19:44:55.333						T__					m_e

Event 1023004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/23	02:28:42.51			42.8380	144.3510				33.0		0	0		79.13	79.13	m i	SZGRF
OrigID 1023039																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0	1	BGR	1023010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.13		P	02:40:42.458		30.3		4.77		TAS		23.8	1.51	m_e mb	5.0

Event 1023003 Sudan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/23	11:08:30.11			5.7100	35.9900				19.4		0	0		46.34	50.02	m i	SZGRF
OrigID 1023038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1	12	BGR	1023009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	50.02		P	11:17:23.741		146.4		7.74		TAS		11.4	0.75	m_e mb	4.9
ROTZ	48.26		P	11:17:10.131		146.4		7.74		TAS		2.2	0.50	m_e mb	4.5
RJOB	46.34		P	11:16:55.125		146.4		7.74		TAS		9.4	0.98	m_e mb	4.8
GRC4	47.94		pP	11:17:12.988						T__					m_e
GRC4	47.94		P	11:17:07.744		146.4		7.74		TAS		29.1	0.70	m_e mb	5.5
GRC3	47.75		P	11:17:06.183		146.4		7.74		TAS		31.4	0.72	m_e mb	5.5
GRC1	47.86		P	11:17:06.986		146.4		7.74		TAS		35.7	0.73	m_e mb	5.6
GRC2	47.81		P	11:17:06.576		146.4		7.74		TAS		22.7	0.77	m_e mb	5.4

GRB5	47.90	P	11:17:07.424	146.4	7.74	TAS	36.1	0.80	m_e mb	5.6
GRB2	48.04	P	11:17:08.244	146.4	7.74	TAS	26.0	0.93	m_e mb	5.3
GRA2	48.47	P	11:17:11.376	146.4	7.74	TAS	4.8	0.51	m_e mb	4.9
GEC2	46.96	P	11:17:00.422	146.4	7.74	TAS	11.6	0.81	m_e mb	5.1
WET	47.50	P	11:17:03.911	146.4	7.74	TAS	4.3	0.82	m_e mb	4.6

Event 1023007 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/23	20:34:35.22			64.0810	-23.3440				33.0		0	0		21.02	25.54	m i	SZGRF
OrigID 1023042																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8	11	BGR	1023013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	21.82		P	20:39:24.219		321.1		9.93		TAS		125.6	2.50	m_e mb	4.9
TANN	23.31		P	20:39:39.993		321.1		9.93		TAS		12.2	1.11	m_e mb	4.3
STU	23.26		P	20:39:38.926		321.1		9.93		TAS		35.1	1.32	m_e mb	4.7
ROTZ	23.70		P	20:39:44.669		321.1		9.93		TAS		54.0	2.29	m_e mb	4.7
RJOB	25.54		P	20:40:00.677		321.1		9.93		TAS		10.3	1.05	m_e mb	4.4
GTTG	21.42		P	20:39:19.827		321.1		9.93		TAS		161.0	2.31	m_e mb	4.9
GRA1	23.35		P	20:39:40.275		321.1		9.93		TAS		47.1	1.54	m_e mb	4.8
CLZ	21.37		P	20:39:19.532		321.1		9.93		TAS		163.8	2.28	m_e mb	5.0
BRG	23.58		P	20:39:42.927		321.1		9.93		TAS		22.8	1.45	m_e mb	4.5
BFO	23.28		P	20:39:39.254		321.1		9.93		TAS		50.3	1.78	m_e mb	4.8
AHRW	21.02		P	20:39:17.796		321.1		9.93		TAS		601.6	3.39	m_e mb	5.3

Event 1023008 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/23	20:38:36.31			63.9700	-22.2600				33.0		0	0		19.92	25.05	m i	SZGRF
OrigID 1023043																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8	13	BGR	1023014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	23.97		P	20:43:48.672		321.3		10.21		TAS		183.8	2.84	m_e mb	5.1
TNS	21.34		P	20:43:20.891		321.3		10.21		TAS		16.8	1.00	m_e mb	4.3
TANN	22.82		P	20:43:35.374		321.3		10.21		TAS		16.5	1.25	m_e mb	4.4
STU	22.79		P	20:43:36.797		321.3		10.21		TAS		43.4	1.30	m_e mb	4.8
ROTZ	23.21		P	20:43:40.908		321.3		10.21		TAS		215.1	2.64	m_e mb	5.2

RJOB	25.05	P	20:43:57.418	321.3	10.21	TAS	13.8	0.93	m_e	mb	4.7
MOX	22.30	P	20:43:32.391	321.3	10.21	TAS	21.7	1.30	m_e	mb	4.4
GTTG	20.93	P	20:43:17.513	321.3	10.21	TAS	71.0	1.46	m_e	mb	4.8
FUR	24.10	P	20:43:49.817	321.3	10.21	TAS	295.9	2.70	m_e	mb	5.3
CLZ	20.88	P	20:43:16.589	321.3	10.21	TAS	62.4	1.56	m_e	mb	4.7
BUG	19.92	P	20:43:05.465	321.3	10.21	TAS	42.0	1.44	m_e	mb	4.5
BRG	23.09	P	20:43:39.265	321.3	10.21	TAS	90.1	2.23	m_e	mb	4.9
BFO	22.81	P	20:43:36.501	321.3	10.21	TAS	40.4	1.55	m_e	mb	4.7

Event 1023001 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/23	21:59:01.12			63.1200	-24.3200				33.0		0	0		20.44	25.60	m i	SZGRF
OrigID 1023036																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8	12	BGR	1023007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	24.56	P		22:04:18.599		319.2		10.21		TAS		80.5	2.25	m_e	mb 5.1
TNS	21.85	P		22:03:51.475		319.2		10.21		TAS		64.3	1.31	m_e	mb 4.9
STU	23.27	P		22:04:06.737		319.2		10.21		TAS		86.4	1.92	m_e	mb 5.0
RJOB	25.60	P		22:04:27.883		319.2		10.21		TAS		13.6	0.90	m_e	mb 4.6
ROTZ	23.80	P		22:04:11.580		319.2		10.21		TAS		87.8	2.09	m_e	mb 4.9
NRDL	20.92	P		22:03:40.840		319.2		10.21		TAS		157.7	2.13	m_e	mb 5.0
GTTG	21.53	P		22:03:48.053		319.2		10.21		TAS		41.8	1.17	m_e	mb 4.8
GRC4	24.02	P		22:04:11.449		319.2		10.21		TAS				m_e	
GEC2	25.14	P		22:04:24.894		319.2		10.21		TAS		59.3	2.22	m_e	mb 4.9
CLZ	21.50	P		22:03:47.304		319.2		10.21		TAS		37.1	1.49	m_e	mb 4.5
BUG	20.44	P		22:03:35.883		319.2		10.21		TAS		61.4	1.60	m_e	mb 4.6
BRG	23.76	P		22:04:11.054		319.2		10.21		TAS		66.3	2.08	m_e	mb 4.8
BFO	23.25	P		22:04:05.859		319.2		10.21		TAS		55.4	1.59	m_e	mb 4.8

Event 1024002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/24	01:44:12.90			-21.7820	171.2510				33.0		0	0		145.97	148.57	m i	SZGRF
OrigID 1024037																	

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
WERN	147.05		PKPbc	02:03:52.981		36.7		2.79		TAS				m_e	

WERD	146.95	PKPbc	02:03:52.411	36.7	2.79	TAS	m_e
TANN	146.92	PKPbc	02:03:51.884	36.7	2.79	TAS	m_e
GUNZ	147.01	PKPbc	02:03:52.686	36.7	2.79	TAS	m_e
GRC4	148.34	PKPbc	02:03:55.946	36.7	2.79	TAS	m_e
GRC3	148.47	PKPbc	02:03:55.885	36.7	2.79	TAS	m_e
GRC2	148.57	PKPbc	02:03:56.538	36.7	2.79	TAS	m_e
GRB5	148.26	PKPbc	02:03:55.400	36.7	2.79	TAS	m_e
GRA1	147.98	PKPbc	02:03:54.420	36.7	2.79	TAS	m_e
GEC2	147.61	PKPbc	02:03:54.171	36.7	2.79	TAS	m_e
FBE	146.17	PKPbc	02:03:50.012	36.7	2.79	TAS	m_e
CLL	146.00	PKPbc	02:03:48.912	36.7	2.79	TAS	m_e
BRG	145.97	PKPbc	02:03:48.579	36.7	2.79	TAS	m_e

Event 1024001 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/24	09:11:05.07			-20.6510	168.9310				33.0		0	0		144.79	148.28	m i	SZGRF
	1024036																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	147.97		PKPbc	09:30:47.112		39.4		3.12		TAS					m_e
WET	145.74		PKPbc	09:30:39.623		39.4		3.12		TAS					m_e
WERN	145.10		PKPbc	09:30:38.007		39.4		3.12		TAS					m_e
WERD	145.00		PKPbc	09:30:37.233		39.4		3.12		TAS					m_e
TRIB	145.15		PKPbc	09:30:37.435		39.4		3.12		TAS					m_e
TNS	146.69		PKPbc	09:30:42.955		39.4		3.12		TAS					m_e
TAUT	144.83		PKPbc	09:30:36.930		39.4		3.12		TAS					m_e
TANN	144.97		PKPbc	09:30:37.301		39.4		3.12		TAS					m_e
STU	147.58		PKPbc	09:30:45.616		39.4		3.12		TAS					m_e
SCHF	144.79		PKPbc	09:30:36.796		39.4		3.12		TAS					m_e
ROTZ	145.56		PKPbc	09:30:39.320		39.4		3.12		TAS					m_e
ROHR	145.16		PKPbc	09:30:37.873		39.4		3.12		TAS					m_e
RJOB	146.80		PKPbc	09:30:42.887		39.4		3.12		TAS					m_e
PLN	145.03		PKPbc	09:30:37.435		39.4		3.12		TAS					m_e
NKC	145.11		PKPbc	09:30:37.616		39.4		3.12		TAS					m_e
MOX	145.13		PKPbc	09:30:37.447		39.4		3.12		TAS					m_e
GUNZ	145.06		PKPbc	09:30:37.671		39.4		3.12		TAS					m_e
GRA1	146.03		PKPbc	09:30:40.935		39.4		3.12		TAS					m_e
GEC2	145.58		PKPbc	09:30:39.301		39.4		3.12		TAS					m_e
FUR	147.18		PKPbc	09:30:44.607		39.4		3.12		TAS					m_e
BFO	148.28		PKPbc	09:30:47.180		39.4		3.12		TAS					m_e
AHRW	146.91		PKPbc	09:30:43.304		39.4		3.12		TAS					m_e

Event 1025007 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/25	07:40:53.84			35.6600	23.6600				33.0		0	0		15.08	19.67	m i	SZGRF
OrigID 1025042																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3	6	BGR	1025013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	15.63		P	07:44:35.545		144.0		11.21		TAS		68.1	1.21	m_e	
WERN	16.76		P	07:44:47.916		144.0		11.21		TAS		14.5	1.26	m_e	
WERD	16.92		P	07:44:50.739		144.0		11.21		TAS		38.6	1.95	m_e	
TNS	18.27		P	07:45:06.143		144.0		11.21		TAS		32.6	1.25	m_e	
TANN	16.84		P	07:44:49.993		144.0		11.21		TAS		40.2	1.66	m_e	
ROTZ	16.39		P	07:44:44.350		144.0		11.21		TAS		24.4	1.17	m_e	
PLN	17.00		P	07:44:51.194		144.0		11.21		TAS		22.8	1.25	m_e	
NEUB	17.73		P	07:44:59.654		144.0		11.21		TAS		42.5	0.86	m_e	
MOX	17.33		P	07:44:53.826		144.0		11.21		TAS		7.2	0.76	m_e	
MANZ	16.61		P	07:44:46.344		144.0		11.21		TAS		21.2	1.09	m_e	
GUNZ	16.84		P	07:44:50.449		144.0		11.21		TAS		16.7	1.17	m_e	
GRA1	16.71		P	07:44:48.040		144.0		11.21		TAS		108.1	1.33	m_e	
GEC2	15.08		P	07:44:29.547		144.0		11.21		TAS		24.0	1.12	m_e	
FUR	15.50		P	07:44:34.054		144.0		11.21		TAS		76.8	1.06	m_e	
FLT1	18.86		P	07:45:11.700		144.0		11.21		TAS		24.4	1.17	m_e mb	4.3
FBE	16.97		P	07:44:51.303		144.0		11.21		TAS		42.0	1.08	m_e mb	4.5
CLZ	18.76		P	07:45:10.292		144.0		11.21		TAS		18.0	1.08	m_e mb	4.2
CLL	17.42		P	07:44:55.564		144.0		11.21		TAS		15.2	0.97	m_e mb	4.1
BUG	19.67		P	07:45:20.628		144.0		11.21		TAS		33.0	1.24	m_e mb	4.4
BRG	16.75		P	07:44:48.393		144.0		11.21		TAS		21.5	1.12	m_e mb	4.2

Event 1025005 Southern Molucca Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/25	12:05:27.50			-0.0400	125.0800				26.2		0	0		105.01	105.16	m i	NEIC
OrigID 1025067																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRB5	105.16		Pdiff	12:19:33.911						T__				m_e	
GRB4	105.12		Pdiff	12:19:33.686						T__				m_e	
GRB3	105.01		Pdiff	12:19:32.974						T__				m_e	

Event 1025008 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/25	14:42:26.17			-3.1300	99.7500				33.0		0	0		89.73	94.70	m i	SZGRF
OrigID 1025043																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.4	20	BGR	1025014
Ms	7.2	2	BGR	1025014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	93.22		S	15:06:43.115						T__					m_e
TNS	93.22		P	14:55:37.628		92.9		8.89		TAS		192.2	1.43	m_e	MBB 7.0
TANN	90.66		S	15:06:21.115						T__					m_e
TANN	90.66		P	14:55:25.828		92.9		8.89		TAS		256.9	1.76	m_e	MBB 7.0
STU	92.70		S	15:06:37.765						T__					m_e
STU	92.70		P	14:55:34.628		92.9		8.89		TAS		327.7	1.70	m_e	MBB 7.0
ROTZ	90.78		S	15:06:22.465						T__					m_e
ROTZ	90.78		P	14:55:26.878		92.9		8.89		TAS		780.9	2.44	m_e	MBB 7.1
RJOB	90.24		S	15:06:13.565						T__					m_e
RJOB	90.24		P	14:55:23.278		92.9		8.89		TAS		148.2	1.27	m_e	MBB 6.9
NRDL	92.24		S	15:06:32.265						T__					m_e
MOX	91.21		S	15:06:25.615						T__					m_e
NRDL	92.24		P	14:55:33.328		92.9		8.89		TAS		805.5	2.18	m_e	MBB 7.1
MOX	91.21		P	14:55:28.378		92.9		8.89		TAS		308.3	1.84	m_e	MBB 7.0
IBBN	93.68		S	15:06:45.115						T__					m_e
MOX	91.21		L	15:45:16.927						T__	119003.0	20.50		m_e	Ms 7.3
GTTG	92.29		S	15:06:33.265						T__					m_e
IBBN	93.68		P	14:55:39.528		92.9		8.89		TAS		284.4	1.91	m_e	MBB 7.0
GRA1	91.41		S	15:06:27.515						T__					m_e
GTTG	92.29		P	14:55:33.128		92.9		8.89		TAS		828.4	2.60	m_e	MBB 6.9
GRA1	91.41		P	14:55:29.628		92.9		8.89		TAS		404.9	1.39	m_e	MBB 7.1
GEC2	89.73		S	15:06:10.415						T__					m_e
GRA1	91.41		L	15:43:10.126						T__	85670.3	21.60		m_e	Ms 7.2
GEC2	89.73		P	14:55:21.578		92.9		8.89		TAS		680.6	1.65	m_e	MBB 7.0
FUR	91.29		S	15:06:23.865						T__					m_e
FUR	91.29		P	14:55:28.178		92.9		8.89		TAS		564.1	1.94	m_e	MBB 7.0
CLZ	92.05		S	15:06:30.965						T__					m_e
CLZ	92.05		P	14:55:32.228		92.9		8.89		TAS		134.8	1.27	m_e	MBB 7.0
CLL	90.38		P	14:55:24.178		92.9		8.89		TAS		270.5	1.57	m_e	MBB 6.9
CLL	90.38		S	15:06:16.565						T__					m_e
BUG	93.98		S	15:06:48.765						T__					m_e
BUG	93.98		P	14:55:40.778		92.9		8.89		TAS		65.1	1.21	m_e	MBB 6.9
BRG	89.75		S	15:06:12.115						T__					m_e
BRG	89.75		P	14:55:21.728		92.9		8.89		TAS		648.3	1.87	m_e	MBB 7.1
BFO	93.26		S	15:06:42.765						T__					m_e

BFO	93.26	P	14:55:36.896	92.9	8.89	TAS	78.8	1.46	m_e	MBB	6.9
AHRW	94.10	S	15:06:50.715			T__				m_e	
AHRW	94.10	P	14:55:41.494	92.9	8.89	TAS	953.1	3.01	m_e	MBB	6.8
WET	90.29	P	14:55:24.178	92.9	8.89	TAS	442.4	1.62	m_e	MBB	7.0
WET	90.29	S	15:06:16.915			T__				m_e	
WLF	94.70	P	14:55:44.378	92.9	8.89	TAS	247.2	2.04	m_e	MBB	6.9
WLF	94.70	S	15:06:56.115			T__				m_e	

Event 1025003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/25	19:37:33.41			-2.7200	99.9800				28.0		0	0		89.57	94.54	m i	SZGRF
	1025038																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9	20	BGR	1025009
Ms	5.8	2	BGR	1025009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
TNS	93.05		S	20:01:50.008		92.6		8.91		TAS				m_e		
TNS	93.05		P	19:50:44.793		92.8		4.71		TAS		62.7	1.19	m_e	mb	5.7
TANN	90.49		S	20:01:27.958		92.6		8.91		TAS				m_e		
TANN	90.49		P	19:50:32.838		92.8		4.71		TAS		92.8	1.60	m_e	mb	5.9
STU	92.55		S	20:01:45.108		92.6		8.91		TAS				m_e		
STU	92.55		P	19:50:43.001		92.8		4.71		TAS		57.3	1.19	m_e	mb	5.7
ROTZ	90.61		S	20:01:29.408		92.6		8.91		TAS				m_e		
ROTZ	90.61		P	19:50:33.888		92.8		4.71		TAS		120.0	1.60	m_e	mb	6.0
RJOB	90.09		P	19:50:30.288		92.8		4.71		TAS		97.8	1.68	m_e	mb	5.9
RJOB	90.09		S	20:01:21.058		92.6		8.91		TAS				m_e		
NRDL	92.06		S	20:01:39.608		92.6		8.91		TAS				m_e		
NRDL	92.06		P	19:50:40.238		92.8		4.71		TAS		123.5	1.63	m_e	mb	5.9
MOX	91.04		P	19:50:35.441		92.8		4.71		TAS		102.4	1.51	m_e	mb	5.9
MOX	91.04		S	20:01:32.408		92.6		8.91		TAS				m_e		
MOX	91.04		L	20:38:25.934						T__		3462.7	21.40	m_e	Ms	5.7
IBBN	93.50		S	20:01:52.358		92.6		8.91		TAS				m_e		
IBBN	93.50		P	19:50:46.719		92.8		4.71		TAS		94.8	1.63	m_e	mb	5.9
GTTG	92.12		S	20:01:40.108		92.6		8.91		TAS				m_e		
GTTG	92.12		P	19:50:40.888		92.8		4.71		TAS		64.9	1.19	m_e	mb	5.7
GRA1	91.25		pP	19:50:44.858						T__				m_e		
GRA1	91.25		S	20:01:34.858		92.6		8.91		TAS				m_e		
GRA1	91.25		L	20:42:18.478						T__		4314.4	19.20	m_e	Ms	5.9
GRA1	91.25		P	19:50:36.588		92.8		4.71		TAS		162.2	1.51	m_e	mb	6.0
GEC2	89.57		pP	19:50:36.786						T__				m_e		
GEC2	89.57		S	20:01:17.708		92.6		8.91		TAS				m_e		
GEC2	89.57		P	19:50:28.638		92.8		4.71		TAS		255.9	1.51	m_e	mb	6.1
FUR	91.14		S	20:01:30.908		92.6		8.91		TAS				m_e		

FUR	91.14	P	19:50:35.611	92.8	4.71	TAS	91.8	1.41	m_e	mb	5.8
CLZ	91.88	S	20:01:37.758	92.6	8.91	TAS			m_e		
CLL	90.21	S	20:01:23.608	92.6	8.91	TAS			m_e		
CLZ	91.88	P	19:50:39.138	92.8	4.71	TAS	99.1	1.52	m_e	mb	5.8
CLL	90.21	P	19:50:31.231	92.8	4.71	TAS	131.8	1.63	m_e	mb	6.0
BUG	93.80	S	20:01:55.908	92.6	8.91	TAS			m_e		
BUG	93.80	P	19:50:47.688	92.8	4.71	TAS	112.7	2.00	m_e	mb	5.9
BRG	89.58	S	20:01:19.058	92.6	8.91	TAS			m_e		
BRG	89.58	P	19:50:28.688	92.8	4.71	TAS	161.8	1.44	m_e	mb	5.9
BFO	93.11	S	20:01:49.858	92.6	8.91	TAS			m_e		
BFO	93.11	P	19:50:44.702	92.8	4.71	TAS	86.6	1.79	m_e	mb	5.8
AHRW	93.93	S	20:01:58.208	92.6	8.91	TAS			m_e		
AHRW	93.93	P	19:50:49.441	92.8	4.71	TAS	73.3	1.81	m_e	mb	5.7
WET	90.14	P	19:50:31.188	92.8	4.71	TAS	191.5	1.59	m_e	mb	6.2
WET	90.14	S	20:01:24.108	92.6	8.91	TAS			m_e		
WLF	94.54	P	19:50:52.277	92.8	4.71	TAS	48.3	1.41	m_e	mb	5.6
WLF	94.54	S	20:02:03.058	92.6	8.91	TAS			m_e		

Event 1025001 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/25	22:59:57.80			-2.2100	100.6300				29.4		0	0		89.60	93.96	m i	SZGRF
	1025036																

Magnitude	Err	Nsta	Author	OrigID
mb	5.6	18	BGR	1025007
Ms	5.6	2	BGR	1025007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
TANN	90.52		S	23:23:53.211		91.1		9.07		TAS				m_e		
TANN	90.52		P	23:12:57.140		93.6		4.68		TAS		48.8	1.89	m_e	mb	5.4
STU	92.60		S	23:24:09.861		91.1		9.07		TAS				m_e		
ROTZ	90.65		S	23:23:52.811		91.1		9.07		TAS				m_e		
ROTZ	90.65		P	23:12:58.055		93.6		4.68		TAS		67.0	1.86	m_e	mb	5.6
RJOB	90.16		S	23:23:45.411		91.1		9.07		TAS				m_e		
RJOB	90.16		P	23:12:54.911		93.6		4.68		TAS		46.4	1.89	m_e	mb	5.5
NRDL	92.06		S	23:24:03.961		91.1		9.07		TAS				m_e		
NRDL	92.06		P	23:13:04.996		93.6		4.68		TAS		113.8	2.39	m_e	mb	5.7
MOX	91.07		S	23:23:56.711		91.1		9.07		TAS				m_e		
MOX	91.07		P	23:12:59.772		93.6		4.68		TAS		48.6	1.74	m_e	mb	5.4
MOX	91.07		L	00:01:55.155						T__		2319.1	21.10	m_e	Ms	5.6
IBBN	93.50		S	23:24:15.911		91.1		9.07		TAS				m_e		
IBBN	93.50		P	23:13:11.307		93.6		4.68		TAS		41.4	1.50	m_e	mb	5.5
GTTG	92.13		S	23:24:04.311		91.1		9.07		TAS				m_e		
GRA1	91.28		sP	23:13:16.269						T__				m_e		
GTTG	92.13		P	23:13:04.964		93.6		4.68		TAS		84.7	2.28	m_e	mb	5.6

Event 1026003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/26	05:16:54.90			-21.9100	-179.4800				579.5		0	0		148.59	151.95	m i	NEIC
	1026066																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	151.95		PKPbc	05:35:44.663		20.8		2.11		TAS					m_e
TNS	151.06		PKPbc	05:35:41.820		20.8		2.11		TAS					m_e
TANN	150.04		PKPbc	05:35:39.808		20.8		2.11		TAS					m_e
NRDL	148.59		PKPbc	05:35:36.003		20.8		2.11		TAS					m_e
MOX	150.03		PKPbc	05:35:39.486		20.8		2.11		TAS					m_e
IBBN	149.15		PKPbc	05:35:37.792		20.8		2.11		TAS					m_e
GTTG	149.52		PKPbc	05:35:38.628		20.8		2.11		TAS					m_e
GEC2	151.14		PKPbc	05:35:42.002		20.8		2.11		TAS					m_e
CLZ	149.16		PKPbc	05:35:37.989		20.8		2.11		TAS					m_e
CLL	149.09		PKPbc	05:35:37.388		20.8		2.11		TAS					m_e
BUG	150.06		PKPbc	05:35:39.739		20.8		2.11		TAS					m_e
BRG	149.24		PKPbc	05:35:37.862		20.8		2.11		TAS					m_e
AHRW	150.97		PKPbc	05:35:42.510		20.8		2.11		TAS					m_e

Event 1026002 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/26	19:40:41.31			-4.7250	99.0660				38.5		0	0		90.47	93.99	m i	SZGRF
	1026037																

Magnitude Err Nsta Author OrigID

mb 5.2 11 BGR 1026008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	91.04		P	19:53:41.777		94.7		4.61		TAS		22.8	1.16	m_e mb	5.4
TNS	93.99		P	19:53:55.296		94.7		4.61		TAS		17.9	1.03	m_e mb	5.3
TANN	91.44		P	19:53:43.653		94.7		4.61		TAS		12.2	1.33	m_e mb	5.1
RJOB	90.95		P	19:53:40.851		94.7		4.61		TAS		15.0	1.15	m_e mb	5.2
ROTZ	91.54		P	19:53:44.650		94.7		4.61		TAS		13.7	1.14	m_e mb	5.2
MOX	92.00		P	19:53:46.241		94.7		4.61		TAS		10.1	1.16	m_e mb	5.0
GRA1	92.17		pP	19:53:58.535						T__					m_e
GRA1	92.17		P	19:53:47.259		94.7		4.61		TAS		17.0	0.99	m_e mb	5.3
GEC2	90.47		P	19:53:39.260		94.7		4.61		TAS		28.3	1.30	m_e mb	5.4
CLZ	92.87		P	19:53:50.010		94.7		4.61		TAS		14.5	1.17	m_e mb	5.3
CLL	91.19		P	19:53:42.133		94.7		4.61		TAS		13.9	1.13	m_e mb	5.2

BRG 90.55 P 19:53:39.521 94.7 4.61 TAS 14.1 1.07 m_e mb 5.2

Event 1026001 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/26	23:45:44.70			-1.2800	98.9000				29.4		0	0		87.79	92.75	m i	SZGRF
OrigID 1026036																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5	14	BGR	1026007
Ms	5.0	2	BGR	1026007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	92.75		P	23:58:56.176		92.7		4.71		TAS		27.7	1.44	m_e mb	5.5
TANN	88.70		P	23:58:36.719		92.7		4.71		TAS		22.4	1.41	m_e mb	5.2
WET	88.35		P	23:58:34.556		92.7		4.71		TAS		49.0	1.52	m_e mb	5.6
STU	90.76		P	23:58:45.371		92.7		4.71		TAS		159.2	2.64	m_e mb	5.9
RJOB	88.31		P	23:58:33.257		92.7		4.71		TAS		32.2	1.55	m_e mb	5.4
ROTZ	88.83		P	23:58:37.602		92.7		4.71		TAS		32.1	1.49	m_e mb	5.3
MOX	89.25		P	23:58:38.950		92.7		4.71		TAS		28.9	1.33	m_e mb	5.3
MOX	89.25		L	01:03:05.755						T__		581.6	19.70	m_e Ms	5.0
IBBN	91.71		P	23:58:49.697		92.7		4.71		TAS		16.7	1.06	m_e mb	5.3
GRA1	89.46		pP	23:58:48.139						T__				m_e	
GRA1	89.46		P	23:58:39.544		92.7		4.71		TAS		51.9	1.45	m_e mb	5.6
GRA1	89.46		L	00:47:34.585						T__		617.9	18.10	m_e Ms	5.1
CLZ	90.08		P	23:58:42.107		92.7		4.71		TAS		32.5	1.45	m_e mb	5.4
CLL	88.42		P	23:58:35.263		92.7		4.71		TAS		34.1	1.42	m_e mb	5.4
BSEG	90.19		P	23:58:42.657		92.7		4.71		TAS		74.5	1.92	m_e mb	5.6
BRG	87.79		P	23:58:31.996		92.7		4.71		TAS		66.2	1.70	m_e mb	5.7
BFO	91.33		P	23:58:48.096		92.7		4.71		TAS		24.9	1.62	m_e mb	5.3
AHRW	92.14		P	23:58:52.645		92.7		4.71		TAS				m_e	

Event 1027002 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/27	04:33:21.90			-3.5500	99.8800				27.3		0	0		90.13	93.62	m i	NEIC
OrigID 1027064																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4	10	BGR	1027008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
TNS	93.62		P	04:46:37.478		93.3		4.77		TAS		10.4	0.82	m_e mb	5.2

WET	90.69	P	04:46:23.779	93.3	4.77	TAS	44.5	1.66	m_e mb	5.5
TANN	91.06	P	04:46:25.280	93.3	4.77	TAS	48.7	2.06	m_e mb	5.5
ROTZ	91.18	P	04:46:26.579	93.3	4.77	TAS	37.1	1.79	m_e mb	5.4
MOX	91.61	P	04:46:27.981	93.3	4.77	TAS	13.5	1.35	m_e mb	5.1
GRA1	91.81	P	04:46:29.719	93.3	4.77	TAS	40.0	1.56	m_e mb	5.5
GEC2	90.13	P	04:46:20.757	93.3	4.77	TAS	59.3	1.64	m_e mb	5.6
CLZ	92.46	P	04:46:31.925	93.3	4.77	TAS	16.5	1.07	m_e mb	5.3
CLL	90.79	P	04:46:23.827	93.3	4.77	TAS	22.4	1.53	m_e mb	5.3
BRG	90.16	pP	04:46:31.132			T__			m_e	
BRG	90.16	P	04:46:21.396	93.3	4.77	TAS	55.1	1.81	m_e mb	5.5

Event 1028004 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/28	03:17:27.80			-5.6100	153.6100				51.5		0	0		125.86	125.86	m i	NEIC
OrigID 1028066																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	125.86		PKPdf	03:36:24.758		48.5		1.00		TAS					m_e

Event 1028003 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/28	03:59:42.60			36.0600	70.6500				188.7		0	0		42.95	47.77	m i	SZGRF
OrigID 1028038																	

Magnitude Err Nsta Author OrigID

mb	5.5	20	BGR	1028009
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	47.77		P	04:08:00.739		84.8		7.83		TAS		91.2	1.01	m_e mb	5.9
WET	43.47		PP	04:09:10.844						T__				m_e	
WET	43.47		P	04:07:26.989		84.8		7.83		TAS		22.2	1.32	m_e mb	4.7
TNS	46.22		P	04:07:48.539		84.8		7.83		TAS		50.7	1.19	m_e mb	5.4
TANN	43.64		PP	04:09:11.672						T__				m_e	
TANN	43.64		P	04:07:28.389		84.8		7.83		TAS		60.1	1.29	m_e mb	5.2
STU	45.92		P	04:07:46.239		84.8		7.83		TAS		43.1	0.83	m_e mb	5.5
ROTZ	43.85		P	04:07:30.739		84.8		7.83		TAS		96.7	1.37	m_e mb	5.3
RJOB	43.66		PP	04:09:11.229						T__				m_e	
RJOB	43.66		P	04:07:28.339		84.8		7.83		TAS		64.3	1.65	m_e mb	5.1
NRDL	44.98		PP	04:09:30.142						T__				m_e	

NRDL	44.98	P	04:07:38.739	84.8	7.83	TAS	132.6	1.24	m_e	mb	5.7
MOX	44.16	P	04:07:32.389	84.8	7.83	TAS	86.7	1.33	m_e	mb	5.3
IBBN	46.43	PP	04:09:44.604			T__			m_e		
IBBN	46.43	P	04:07:49.839	84.8	7.83	TAS	155.8	1.01	m_e	mb	6.0
GTTG	45.13	PP	04:09:30.879			T__			m_e		
GTTG	45.13	P	04:07:39.789	84.8	7.83	TAS	159.4	1.11	m_e	mb	5.9
GRA1	44.50	PP	04:09:21.896			T__			m_e		
GRA1	44.50	P	04:07:35.889	84.8	7.83	TAS	195.1	1.48	m_e	mb	5.6
GEC2	42.95	PP	04:09:07.399			T__			m_e		
GEC2	42.95	P	04:07:22.889	84.8	7.83	TAS	34.5	1.48	m_e	mb	4.9
FUR	44.63	pP	04:08:17.700			T__			m_e		
FUR	44.63	P	04:07:36.439	84.8	7.83	TAS	190.8	1.51	m_e	mb	5.8
CLZ	44.86	P	04:07:37.739	84.8	7.83	TAS	151.9	1.33	m_e	mb	5.8
CLL	43.25	PP	04:09:09.628			T__			m_e		
CLL	43.25	P	04:07:24.489	84.8	7.83	TAS	59.1	0.95	m_e	mb	5.3
BSEG	44.78	P	04:07:36.989	84.8	7.83	TAS	135.8	0.93	m_e	mb	5.9
BUG	46.82	P	04:07:52.889	84.8	7.83	TAS	109.4	1.16	m_e	mb	5.9
BFO	46.56	P	04:07:51.011	84.8	7.83	TAS	35.8	1.30	m_e	mb	5.3
AHRW	47.05	P	04:07:54.989	84.8	7.83	TAS	67.1	1.13	m_e	mb	5.7
WLF	47.77	PP	04:09:56.322			T__			m_e		
WLF	47.77	pP	04:08:42.060			T__			m_e		

Event 1028001 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/28	21:41:14.10			-0.3500	-19.9900				10.2		0	0		54.34	59.63	m i	NEIC
OrigID 1028063																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0	10	BGR	1028007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	54.64	P		21:50:44.852		218.4		6.97		TAS		67.5	2.17	m_e	mb 5.3
WET	56.84	P		21:50:59.555		218.4		6.97		TAS		13.4	0.92	m_e	mb 5.0
TANN	57.64	P		21:51:05.514		218.4		6.97		TAS		7.7	0.70	m_e	mb 4.8
TNS	55.93	P		21:50:54.243		218.4		6.97		TAS		46.6	1.80	m_e	mb 5.2
STU	55.04	P		21:50:47.385		218.4		6.97		TAS		18.3	1.07	m_e	mb 5.0
RJOB	55.74	P		21:50:51.102		218.4		6.97		TAS		15.6	0.62	m_e	mb 5.2
PLN	57.58	P		21:51:05.367		218.4		6.97		TAS				m_e	
IBBN	57.41	P		21:51:03.842		218.4		6.97		TAS		38.8	1.49	m_e	mb 5.2
GEC2	56.97	P		21:51:00.506		218.4		6.97		TAS		7.9	1.09	m_e	mb 4.7
BSEG	59.63	P		21:51:19.495		218.4		6.97		TAS		13.4	0.81	m_e	mb 5.0
BFO	54.34	P		21:50:42.459		218.4		6.97		TAS		9.8	0.99	m_e	mb 4.8

Event 1029001 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/29	02:25:02.70			-12.5800	63.3100				10.0		0	0		74.97	77.38	m i	NEIC
OrigID 1029063																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6	10	BGR	1029007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	75.81		P	02:36:48.231		127.8		5.93		TAS		1.8	0.92	m_e	mb 4.2
WERN	76.78		P	02:36:55.298		127.8		5.93		TAS		12.0	1.20	m_e	mb 4.9
WERD	76.92		P	02:36:55.846		127.8		5.93		TAS		6.6	1.27	m_e	mb 4.6
RJOB	74.97		P	02:36:44.613		127.8		5.93		TAS		4.2	0.76	m_e	mb 4.5
MOX	77.38		P	02:36:58.394		127.8		5.93		TAS		2.6	0.96	m_e	mb 4.3
GUNZ	76.85		P	02:36:55.552		127.8		5.93		TAS		5.6	0.93	m_e	mb 4.7
GRA1	77.00		P	02:36:54.716		127.8		5.93		TAS		5.9	0.88	m_e	mb 4.7
GEC2	75.20		P	02:36:44.039		127.8		5.93		TAS		2.1	0.88	m_e	mb 4.2
FUR	76.03		P	02:36:49.729		127.8		5.93		TAS		13.4	0.79	m_e	mb 5.1
BRG	76.38		P	02:36:52.927		127.8		5.93		TAS		4.5	0.99	m_e	mb 4.6

Event 1030002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/30	07:06:16.18			-21.8660	-176.6800				33.0		0	0		147.54	153.00	m i	SZGRF
OrigID 1030037																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	150.75		PKPbc	07:26:05.167		15.5		2.42		TAS				m_e	
WERD	150.61		PKPbc	07:26:04.614		15.5		2.42		TAS				m_e	
TNS	151.41		PKPbc	07:26:06.716		15.5		2.42		TAS				m_e	
TANN	150.61		PKPbc	07:26:04.604		15.5		2.42		TAS				m_e	
STU	152.75		PKPbc	07:26:09.657		15.5		2.42		TAS				m_e	
ROTZ	151.28		PKPbc	07:26:06.293		15.5		2.42		TAS				m_e	
PLN	150.60		PKPbc	07:26:04.582		15.5		2.42		TAS				m_e	
NRDL	148.98		PKPbc	07:26:00.562		15.5		2.42		TAS				m_e	
NEUB	149.99		PKPbc	07:26:03.069		15.5		2.42		TAS				m_e	
MOX	150.55		PKPbc	07:26:04.386		15.5		2.42		TAS				m_e	
MANZ	151.09		PKPbc	07:26:05.832		15.5		2.42		TAS				m_e	
IBBN	149.42		PKPbc	07:26:01.789		15.5		2.42		TAS				m_e	
GUNZ	150.69		PKPbc	07:26:04.903		15.5		2.42		TAS				m_e	
GTTG	149.93		PKPbc	07:26:03.085		15.5		2.42		TAS				m_e	
GRA1	151.53		PKPbc	07:26:06.868		15.5		2.42		TAS				m_e	

GEC2	151.83	PKPbc	07:26:07.136	15.5	2.42	TAS	m_e
FUR	153.00	PKPbc	07:26:09.901	15.5	2.42	TAS	m_e
FLT1	148.98	PKPbc	07:26:00.295	15.5	2.42	TAS	m_e
FBE	149.96	PKPbc	07:26:03.266	15.5	2.42	TAS	m_e
CLZ	149.58	PKPbc	07:26:02.400	15.5	2.42	TAS	m_e
CLL	149.66	PKPbc	07:26:02.058	15.5	2.42	TAS	m_e
BSEG	147.54	PKPbc	07:25:56.840	15.5	2.42	TAS	m_e
BRG	149.88	PKPbc	07:26:02.701	15.5	2.42	TAS	m_e

Event 1030003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/30	15:03:44.46			-21.9900	-176.0820				33.0		0	0		147.74	153.48	m i	SZGRF
	1030038																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	150.98		PKPbc	15:23:34.407		14.4		2.40		TAS				m_e	
WERD	150.84		PKPbc	15:23:33.932		14.4		2.40		TAS				m_e	
TANN	150.85		PKPbc	15:23:33.914		14.4		2.40		TAS				m_e	
STU	152.95		PKPbc	15:23:38.864		14.4		2.40		TAS				m_e	
RUE	148.63		PKPbc	15:23:28.254		14.4		2.40		TAS				m_e	
ROTZ	151.51		PKPbc	15:23:35.599		14.4		2.40		TAS				m_e	
PLN	150.83		PKPbc	15:23:33.932		14.4		2.40		TAS				m_e	
NRDL	149.18		PKPbc	15:23:29.840		14.4		2.40		TAS				m_e	
NEUB	150.21		PKPbc	15:23:32.200		14.4		2.40		TAS				m_e	
MOX	150.77		PKPbc	15:23:33.641		14.4		2.40		TAS				m_e	
MANZ	151.32		PKPbc	15:23:35.084		14.4		2.40		TAS				m_e	
GUNZ	150.92		PKPbc	15:23:34.224		14.4		2.40		TAS				m_e	
GTTG	150.12		PKPbc	15:23:32.363		14.4		2.40		TAS				m_e	
GEC2	152.09		PKPbc	15:23:36.454		14.4		2.40		TAS				m_e	
FUR	153.23		PKPbc	15:23:39.199		14.4		2.40		TAS				m_e	
FLT1	149.19		PKPbc	15:23:29.666		14.4		2.40		TAS				m_e	
FBE	150.19		PKPbc	15:23:32.528		14.4		2.40		TAS				m_e	
CLL	149.89		PKPbc	15:23:31.379		14.4		2.40		TAS				m_e	
BSEG	147.74		PKPbc	15:23:26.128		14.4		2.40		TAS				m_e	
BRG	150.12		PKPbc	15:23:31.926		14.4		2.40		TAS				m_e	
BFO	153.48		PKPbc	15:23:40.007		14.4		2.40		TAS				m_e	

Event 1030004 Pacific-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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2010/10/30 15:18:39.60 -56.7400 -142.7900 21.9 0 0 160.64 164.80 m i NEIC
1030066

Magnitude Err Nsta Author OrigID
Ms 6.2 2 BGR 1030010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	163.94		PKPdf	15:38:43.672		235.6		0.97		TAS				m_e	
WERD	163.99		PKPdf	15:38:43.535		235.6		0.97		TAS				m_e	
RJOB	162.63		PKPdf	15:38:40.253		235.6		0.97		TAS				m_e	
TANN	164.05		PKPdf	15:38:43.398		235.6		0.97		TAS				m_e	
MOX	163.72		L	16:54:51.873						T__		3119.1	21.10	m_e	Ms 6.1
GUNZ	163.95		PKPdf	15:38:43.672		235.6		0.97		TAS				m_e	
GRA1	162.99		L	16:58:00.429						T__		3529.0	20.60	m_e	Ms 6.2
FBE	164.80		PKPdf	15:38:41.347		235.6		0.97		TAS				m_e	
BFO	160.64		PKPdf	15:38:40.498		235.6		0.97		TAS				m_e	

Event 1030005 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
2010/10/30 19:06:20.00 34.3600 141.2400 38.7 0 0 83.34 87.56 m i NEIC
1030067

Magnitude Err Nsta Author OrigID
mb 4.7 15 BGR 1030011
Ms 4.8 2 BGR 1030011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	84.38		P	19:18:48.394		39.5		4.91		TAS		4.8	0.71	m_e	mb 4.8
WERD	84.28		P	19:18:48.041		39.5		4.91		TAS		1.8	0.83	m_e	mb 4.3
TNS	86.01		P	19:18:55.314		39.5		4.91		TAS		3.2	0.74	m_e	mb 4.5
ROTZ	84.85		P	19:18:50.704		39.5		4.91		TAS		35.0	1.55	m_e	mb 5.4
RJOB	86.14		P	19:18:58.492		39.5		4.91		TAS		5.0	0.80	m_e	mb 4.7
MOX	84.42		P	19:18:48.304		39.5		4.91		TAS		3.1	0.88	m_e	mb 4.5
MOX	84.42		L	19:59:27.948						T__		430.7	18.10	m_e	Ms 4.9
MANZ	84.72		P	19:18:49.594		39.5		4.91		TAS		3.9	0.90	m_e	mb 4.6
GUNZ	84.34		P	19:18:48.464		39.5		4.91		TAS		5.1	0.76	m_e	mb 4.8
IBBN	84.61		P	19:18:48.464		39.5		4.91		TAS		6.4	0.67	m_e	mb 5.0
GRA1	85.31		P	19:18:52.701		39.5		4.91		TAS		5.7	0.84	m_e	mb 4.8
GRA1	85.31		L	20:01:52.926						T__		341.2	20.50	m_e	Ms 4.7
GEC2	84.91		P	19:18:50.583		39.5		4.91		TAS		1.8	0.75	m_e	mb 4.4
FBE	83.49		P	19:18:43.427		39.5		4.91		TAS		14.0	1.24	m_e	mb 5.1
CLZ	83.99		P	19:18:47.946		39.5		4.91		TAS		5.8	0.74	m_e	mb 4.9
CLL	83.34		P	19:18:41.661		39.5		4.91		TAS		4.0	0.86	m_e	mb 4.7
WET	85.04		P	19:18:51.007		39.5		4.91		TAS		1.6	0.79	m_e	mb 4.3
BFO	87.56		P	19:19:03.186		39.5		4.91		TAS				m_e	

Event 1030006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/30	22:43:54.67			47.5100	153.0960				50.8		0	0		75.33	79.75	m i	SZGRF
OrigID 1030041																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6	21	BGR	1030012
Ms	4.2	2	BGR	1030012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	77.74		P	22:55:50.000		25.3		5.60		TAS		3.6	0.83	m_e mb	4.5
WERN	76.86		pP	22:55:59.548						T__				m_e	
WERN	76.86		P	22:55:44.941		25.3		5.60		TAS		6.9	0.92	m_e mb	4.8
WERD	76.74		pP	22:55:58.682						T__				m_e	
TANN	76.72		P	22:55:44.098		25.3		5.60		TAS		1.4	0.74	m_e mb	4.2
WERD	76.74		P	22:55:44.299		25.3		5.60		TAS		2.6	0.81	m_e mb	4.4
ROTZ	77.38		P	22:55:49.250		25.3		5.60		TAS		3.1	0.78	m_e mb	4.5
RJOB	79.03		P	22:55:56.362		25.3		5.60		TAS		3.0	0.83	m_e mb	4.4
NEUB	76.21		P	22:55:40.418		25.3		5.60		TAS		6.5	0.80	m_e mb	4.8
NRDL	75.48		P	22:55:38.052		25.3		5.60		TAS		3.7	0.80	m_e mb	4.5
MOX	76.75		P	22:55:44.047		25.3		5.60		TAS		3.7	0.80	m_e mb	4.6
MOX	76.75		L	23:30:32.890						T__		129.2	18.10	m_e Ms	4.3
MANZ	77.21		P	22:55:47.777		25.3		5.60		TAS		2.2	0.83	m_e mb	4.3
IBBN	76.24		P	22:55:41.109		25.3		5.60		TAS		11.0	0.92	m_e mb	5.0
GUNZ	76.81		pP	22:55:59.061						T__				m_e	
GUNZ	76.81		P	22:55:44.558		25.3		5.60		TAS		4.1	0.76	m_e mb	4.6
GRA1	77.72		pP	22:56:04.640						T__				m_e	
GRA1	77.72		L	23:31:51.084						T__		109.8	19.30	m_e Ms	4.2
GRA1	77.72		P	22:55:50.000		25.3		5.60		TAS		7.4	0.72	m_e mb	4.9
GEC2	77.77		pP	22:56:04.181						T__				m_e	
GEC2	77.77		P	22:55:49.540		25.3		5.60		TAS		2.2	0.76	m_e mb	4.4
FLT1	75.33		pP	22:55:50.097						T__				m_e	
FLT1	75.33		P	22:55:35.666		25.3		5.60		TAS		6.8	0.76	m_e mb	4.8
FBE	76.02		pP	22:55:54.313						T__				m_e	
FBE	76.02		P	22:55:39.363		25.3		5.60		TAS		5.1	0.76	m_e mb	4.7
CLL	75.77		pP	22:55:52.550						T__				m_e	
CLZ	76.00		P	22:55:40.200		25.3		5.60		TAS		6.1	0.81	m_e mb	4.8
CLL	75.77		P	22:55:38.453		25.3		5.60		TAS		10.0	0.78	m_e mb	5.0
BUG	77.16		P	22:55:45.921		25.3		5.60		TAS		2.7	0.73	m_e mb	4.5
BRG	75.89		pP	22:55:53.497						T__				m_e	
BRG	75.89		P	22:55:38.962		25.3		5.60		TAS		3.2	0.84	m_e mb	4.5
BFO	79.75		P	22:56:00.601		25.3		5.60		TAS		5.0	1.03	m_e mb	4.4

Event 1031001 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/31	00:01:53.50			-3.7000	99.7200				31.4		0	0		90.13	91.82	m i	NEIC
OrigID 1031063																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7	13	BGR	1031007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WET	90.70		P	00:14:54.355		92.8		4.56		TAS		3.7	0.92	m_e	mb	4.7
WERD	91.17		P	00:14:56.350		92.8		4.56		TAS		2.0	0.82	m_e	mb	4.5
RUE	90.43		P	00:14:53.206		92.8		4.56		TAS		8.8	0.72	m_e	mb	5.1
ROTZ	91.19		P	00:14:56.886		92.8		4.56		TAS		2.7	1.02	m_e	mb	4.5
PLN	91.27		P	00:14:56.903		92.8		4.56		TAS		2.3	0.91	m_e	mb	4.5
NEUB	91.57		P	00:14:58.177		92.8		4.56		TAS		9.6	0.91	m_e	mb	5.1
MOX	91.63		P	00:14:58.441		92.8		4.56		TAS		1.0	0.86	m_e	mb	4.2
MANZ	91.27		P	00:14:57.327		92.8		4.56		TAS		4.9	0.84	m_e	mb	4.9
GRA1	91.82		P	00:14:59.730		92.8		4.56		TAS		3.1	0.76	m_e	mb	4.7
GEC2	90.13		P	00:14:51.758		92.8		4.56		TAS		3.5	0.92	m_e	mb	4.6
FBE	90.55		P	00:14:53.995		92.8		4.56		TAS		3.2	0.80	m_e	mb	4.7
CLL	90.80		P	00:14:54.439		92.8		4.56		TAS		3.1	0.99	m_e	mb	4.6
BRG	90.17		P	00:14:51.997		92.8		4.56		TAS		3.1	0.88	m_e	mb	4.5

Event 1031002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/31	09:57:12.19			-24.3230	-178.7580				543.6		0	0		149.65	153.63	m i	SZGRF
OrigID 1031037																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WERN	152.67		pPKPbc	10:19:12.753						T__				m_e	
WERN	152.67		PKPbc	10:17:06.112		20.7		2.24		TAS				m_e	
WERD	152.54		PKPbc	10:17:05.436		20.7		2.24		TAS				m_e	
TNS	153.54		PKPbc	10:17:07.745		20.7		2.24		TAS				m_e	
TANN	152.53		PKPbc	10:17:05.436		20.7		2.24		TAS				m_e	
RUE	150.31		PKPbc	10:17:00.430		20.7		2.24		TAS				m_e	
ROTZ	153.20		PKPbc	10:17:06.937		20.7		2.24		TAS				m_e	
PLN	152.54		PKPbc	10:17:05.436		20.7		2.24		TAS				m_e	
NRDL	151.07		PKPbc	10:17:02.259		20.7		2.24		TAS				m_e	
NEUB	151.97		PKPbc	10:17:04.180		20.7		2.24		TAS				m_e	
MOX	152.52		PKPbc	10:17:05.307		20.7		2.24		TAS				m_e	

MANZ	153.02	pPKPbc	10:19:13.275							T__						m_e
MANZ	153.02	PKPbc	10:17:06.564	20.7		2.24				TAS						m_e
IBBN	151.62	PKPbc	10:17:04.561	20.7		2.24				TAS						m_e
GUNZ	152.61	pPKPbc	10:19:12.399							T__						m_e
GUNZ	152.61	PKPbc	10:17:05.799	20.7		2.24				TAS						m_e
GTTG	152.00	PKPbc	10:17:04.257	20.7		2.24				TAS						m_e
GEC2	153.63	pPKPbc	10:19:15.067							T__						m_e
FLT1	151.01	PKPbc	10:17:01.821	20.7		2.24				TAS						m_e
FBE	151.84	pPKPbc	10:19:10.872							T__						m_e
FBE	151.84	PKPbc	10:17:04.241	20.7		2.24				TAS						m_e
CLZ	151.65	PKPbc	10:17:03.800	20.7		2.24				TAS						m_e
CLL	151.58	pPKPbc	10:19:09.761							T__						m_e
CLL	151.58	PKPbc	10:17:03.267	20.7		2.24				TAS						m_e
BUG	152.53	PKPbc	10:17:05.278	20.7		2.24				TAS						m_e
BSEG	149.65	PKPbc	10:16:59.004	20.7		2.24				TAS						m_e
BRG	151.73	pPKPbc	10:19:10.399							T__						m_e
BRG	151.73	PKPbc	10:17:03.686	20.7		2.24				TAS						m_e
ASSE	151.31	PKPbc	10:17:02.869	20.7		2.24				TAS						m_e

Event 1031003 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/31	16:38:49.90			-6.6000	150.2400				5.6		0	0		122.06	127.56	m i	NEIC
	1031064																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6	2	BGR	1031009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	127.56		PKPdf	16:57:56.394		52.7		1.92		TAS					m_e	
WET	124.47		PKPdf	16:57:49.799		52.7		1.92		TAS					m_e	
WERN	124.07		PKPdf	16:57:49.230		52.7		1.92		TAS					m_e	
WERD	124.01		PKPdf	16:57:48.945		52.7		1.92		TAS					m_e	
TNS	126.08		PKPdf	16:57:52.978		52.7		1.92		TAS					m_e	
TANN	123.95		PKPdf	16:57:48.803		52.7		1.92		TAS					m_e	
STU	126.64		PKPdf	16:57:53.737		52.7		1.92		TAS					m_e	
RUE	122.06		PKPdf	16:57:45.197		52.7		1.92		TAS					m_e	
ROTZ	124.47		PKPdf	16:57:49.752		52.7		1.92		TAS					m_e	
RJOB	125.33		PKPdf	16:57:51.887		52.7		1.92		TAS					m_e	
PLN	124.06		PKPdf	16:57:48.992		52.7		1.92		TAS					m_e	
NRDL	123.82		PKPdf	16:57:48.898		52.7		1.92		TAS					m_e	
NEUB	123.83		PKPdf	16:57:48.565		52.7		1.92		TAS					m_e	
MOX	124.24		PKPdf	16:57:49.182		52.7		1.92		TAS					m_e	
MOX	124.24		L	17:53:11.694						T__		1095.4	20.90	m_e	Ms	5.5
MANZ	124.39		PKPdf	16:57:49.657		52.7		1.92		TAS					m_e	
GUNZ	124.05		PKPdf	16:57:49.040		52.7		1.92		TAS					m_e	

GTTG	124.49	PKPdf	16:57:49.865	52.7	1.92	TAS										m_e
GRA1	125.02	L	17:54:42.913			T__					1707.4	19.10				m_e Ms 5.7
GEC2	124.20	PKPdf	16:57:49.295	52.7	1.92	TAS										m_e
FUR	125.91	PKPdf	16:57:52.456	52.7	1.92	TAS										m_e
FLT1	123.39	PKPdf	16:57:47.522	52.7	1.92	TAS										m_e
FBE	123.19	PKPdf	16:57:47.569	52.7	1.92	TAS										m_e
CLZ	124.11	PKPdf	16:57:49.372	52.7	1.92	TAS										m_e
CLL	123.14	PKPdf	16:57:47.063	52.7	1.92	TAS										m_e
BUG	125.83	PKPdf	16:57:52.408	52.7	1.92	TAS										m_e
BSEG	122.79	PKPdf	16:57:46.778	52.7	1.92	TAS										m_e
BRG	122.91	PKPdf	16:57:46.810	52.7	1.92	TAS										m_e
BFO	127.36	PKPdf	16:57:54.828	52.7	1.92	TAS										m_e
ASSE	123.78	PKPdf	16:57:48.518	52.7	1.92	TAS										m_e
AHRW	126.53	PKPdf	16:57:53.832	52.7	1.92	TAS										m_e

Event 1031005 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/31	18:49:14.40			-6.2200	150.0300				22.9		0	0		122.48	124.89	m i	NEIC
	1031067																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WET	124.04		PKPdf	19:08:11.861		52.7		1.90		TAS					m_e
WERD	123.58		PKPdf	19:08:10.779		52.7		1.90		TAS					m_e
TANN	123.52		PKPdf	19:08:10.841		52.7		1.90		TAS					m_e
RJOB	124.89		PKPdf	19:08:12.820		52.7		1.90		TAS					m_e
PLN	123.63		PKPdf	19:08:10.934		52.7		1.90		TAS					m_e
NRDL	123.39		PKPdf	19:08:10.748		52.7		1.90		TAS					m_e
MANZ	123.95		PKPdf	19:08:11.676		52.7		1.90		TAS					m_e
GUNZ	123.61		PKPdf	19:08:11.026		52.7		1.90		TAS					m_e
GEC2	123.77		PKPdf	19:08:11.181		52.7		1.90		TAS					m_e
FLT1	122.96		PKPdf	19:08:09.387		52.7		1.90		TAS					m_e
FBE	122.76		PKPdf	19:08:09.449		52.7		1.90		TAS					m_e
CLZ	123.68		PKPdf	19:08:11.274		52.7		1.90		TAS					m_e
CLL	122.71		PKPdf	19:08:08.893		52.7		1.90		TAS					m_e
BRG	122.48		PKPdf	19:08:08.676		52.7		1.90		TAS					m_e

Event 1031006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/31	22:18:50.10			-16.6450	-176.9460				33.0		0	0		143.81	148.11	m i	SZGRF

1031041

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	146.97		PKPbc	22:38:28.527		14.2		3.02		TAS				m_e		
WET	146.61		PKPbc	22:38:27.351		14.2		3.02		TAS				m_e		
WERN	145.61		PKPbc	22:38:23.687		14.2		3.02		TAS				m_e		
WERD	145.47		PKPbc	22:38:22.917		14.2		3.02		TAS				m_e		
TNS	146.22		PKPbc	22:38:25.661		14.2		3.02		TAS				m_e		
TANN	145.47		PKPbc	22:38:23.080		14.2		3.02		TAS				m_e		
ROTZ	146.14		PKPbc	22:38:25.722		14.2		3.02		TAS				m_e		
RJOB	147.97		PKPbc	22:38:30.563		14.2		3.02		TAS				m_e		
PLN	145.46		PKPbc	22:38:22.782		14.2		3.02		TAS				m_e		
NEUB	144.84		PKPbc	22:38:21.153		14.2		3.02		TAS				m_e		
MANZ	145.95		PKPbc	22:38:24.846		14.2		3.02		TAS				m_e		
IBBN	144.22		PKPbc	22:38:19.479		14.2		3.02		TAS				m_e		
GUNZ	145.54		PKPbc	22:38:23.506		14.2		3.02		TAS				m_e		
GRA1	146.38		PKPbc	22:38:26.839		14.2		3.02		TAS				m_e		
GEC2	146.73		PKPbc	22:38:26.944		14.2		3.02		TAS				m_e		
FUR	147.85		PKPbc	22:38:30.281		14.2		3.02		TAS				m_e		
FLT1	143.81		PKPbc	22:38:18.574		14.2		3.02		TAS				m_e		
CLZ	144.41		PKPbc	22:38:20.137		14.2		3.02		TAS				m_e		
CLL	144.52		PKPbc	22:38:20.112		14.2		3.02		TAS				m_e		
BUG	145.12		PKPbc	22:38:22.329		14.2		3.02		TAS				m_e		
BFO	148.11		PKPbc	22:38:30.880		14.2		3.02		TAS				m_e		

Event 1031007 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2010/10/31	23:14:34.80			-20.5800	178.1300				654.9		0	0		145.42	151.12	m i	NEIC

1031070

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	150.28		PKPab	23:33:27.874		24.4		3.03		TAS				m_e		
WET	149.15		PKPab	23:33:25.728		24.4		3.03		TAS				m_e		
WERN	148.28		PKPab	23:33:23.145		24.4		3.03		TAS				m_e		
WERD	148.16		PKPab	23:33:22.562		24.4		3.03		TAS				m_e		
TNS	149.31		PKPab	23:33:25.051		24.4		3.03		TAS				m_e		
TANN	148.14		PKPab	23:33:22.479		24.4		3.03		TAS				m_e		
STU	150.50		PKPab	23:33:28.647		24.4		3.03		TAS				m_e		
RUE	145.93		PKPab	23:33:14.989		24.4		3.03		TAS				m_e		
ROTZ	148.80		PKPab	23:33:24.746		24.4		3.03		TAS				m_e		
RJOB	150.42		PKPab	23:33:28.952		24.4		3.03		TAS				m_e		

PLN	148.16	PKPab	23:33:22.426	24.4	3.03	TAS	m_e
NRDL	146.82	PKPab	23:33:17.239	24.4	3.03	TAS	m_e
NEUB	147.62	PKPab	23:33:20.609	24.4	3.03	TAS	m_e
MOX	148.16	PKPab	23:33:22.221	24.4	3.03	TAS	m_e
MANZ	148.63	PKPab	23:33:23.889	24.4	3.03	TAS	m_e
IBBN	147.46	PKPab	23:33:19.166	24.4	3.03	TAS	m_e
GUNZ	148.22	PKPab	23:33:22.838	24.4	3.03	TAS	m_e
GTTG	147.74	PKPab	23:33:20.661	24.4	3.03	TAS	m_e
GRA1	149.14	PKPab	23:33:25.414	24.4	3.03	TAS	m_e
GEC2	149.16	PKPab	23:33:25.809	24.4	3.03	TAS	m_e
FUR	150.51	PKPab	23:33:29.086	24.4	3.03	TAS	m_e
FLT1	146.71	PKPab	23:33:16.760	24.4	3.03	TAS	m_e
FBE	147.43	PKPab	23:33:20.790	24.4	3.03	TAS	m_e
CLZ	147.37	PKPab	23:33:19.585	24.4	3.03	TAS	m_e
CLL	147.19	PKPab	23:33:19.327	24.4	3.03	TAS	m_e
BSEG	145.42	PKPab	23:33:12.262	24.4	3.03	TAS	m_e
BRG	147.30	PKPab	23:33:20.238	24.4	3.03	TAS	m_e
BFO	151.12	PKPab	23:33:29.945	24.4	3.03	TAS	m_e
ASSE	147.03	PKPab	23:33:18.241	24.4	3.03	TAS	m_e

Format description

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

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

EPICENTER LINE:

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

REGION LINE:

The region name of the epicenter location.

PHASE LINE:

Sta	Station code of the reported phase
Phase	Preceded flag for the sharpness of the onset of the phase
	e - emergent
	i - impulsive
	w - weak
	ISC phase code
	Component where the phase was picked
Time	Arrival time of the reported phase
Dist	Distance from the epicenter location to the station in degree
BAz	Backazimuth from the epicenter location to the station in degree
T[s]	Phase Period
A[nm]	Phase Amplitude
mb	Body wave magnitude
MS	Surface wave magnitude
ML	Local Richter magnitude