

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

(produced by SZGRF/BGR - HANNOVER)

January 2011 UPDATED 26.SEPTEMBER.2010

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

(Format description at the end of the bulletin)

Event 10101001 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/01	01:56:05.18			38.6140	75.7390				33.0			25		44.32	49.46	m i ke	BGR
OrigID 10101007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10101007
Ms	4.6		BGR	10101007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	48.42		P	02:04:42.356		78.2		7.87		TAS		19.9	0.90	m_e mb	5.2
BRG	44.32		P	02:04:10.241	0.4	78.2		7.87		TAS		37.3	1.19	m_e mb	5.0
BSEG	46.06		P	02:04:24.056	0.4	78.2		7.87		TAS		48.4	0.87	m_e mb	5.5
BUG	48.34		P	02:04:41.938		78.2		7.87		TAS		38.3	1.13	m_e mb	5.4
CLL	44.84		P	02:04:13.889	0.1	78.2		7.87		TAS		24.6	0.79	m_e mb	5.2
CLZ	46.37		P	02:04:26.388	0.0	78.2		7.87		TAS		23.8	1.20	m_e mb	5.1
FLT1	45.76		P	02:04:20.886	0.6	78.2		7.87		TAS		42.1	0.86	m_e mb	5.5
FUR	46.55		P	02:04:28.721	-0.0	78.2		7.87		TAS		86.0	1.21	m_e mb	5.8
GEC2	44.83		P	02:04:14.906	-0.1	78.2		7.87		TAS		40.9	0.84	m_e mb	5.4
GRA1	46.25		P	02:04:26.448	0.1	78.2		7.87		TAS		56.6	0.90	m_e mb	5.6
GRA1	46.25		L	02:24:19.133						T__		621.8	19.60	a_e Ms	4.6
GTTG	46.67		P	02:04:28.960	-0.5	78.2		7.87		TAS		70.7	0.94	m_e mb	5.8
GUNZ	45.42		P	02:04:19.152	0.5	78.2		7.87		TAS		20.9	1.10	m_e mb	5.0
MANZ	45.63		P	02:04:21.006	-0.2	78.2		7.87		TAS		11.2	1.05	m_e mb	4.8
MOX	45.82		P	02:04:22.142	-0.0	78.2		7.87		TAS		21.8	1.13	m_e mb	5.1
NEUB	45.62		P	02:04:20.288	-0.1	78.2		7.87		TAS		35.2	0.89	m_e mb	5.4
NRDL	46.42		P	02:04:26.986	-0.2	78.2		7.87		TAS		51.8	0.95	m_e mb	5.5
PLN	45.51		P	02:04:19.810	0.1	78.2		7.87		TAS		21.1	1.20	m_e mb	5.0
RJOB	45.65		P	02:04:20.722	0.9	78.2		7.87		TAS		13.0	1.12	m_e mb	4.9
ROTZ	45.61		P	02:04:21.305	-0.6	78.2		7.87		TAS		25.4	1.41	m_e mb	5.1

STU	47.75	P	02:04:37.632	78.2	7.87	TAS	39.1	1.07	m_e	mb	5.5
TANN	45.33	P	02:04:18.434	-0.1 78.2	7.87	TAS	23.1	1.15	m_e	mb	5.0
TNS	47.89	P	02:04:38.409	78.2	7.87	TAS	20.2	1.22	m_e	mb	5.1
WERD	45.42	P	02:04:19.092	-0.5 78.2	7.87	TAS	20.7	1.14	m_e	mb	5.0
WET	45.30	P	02:04:18.458	-0.2 78.2	7.87	TAS	28.0	0.85	m_e	mb	5.2
WLF	49.46	P	02:04:50.968	78.2	7.87	TAS	47.9	0.92	m_e	mb	5.5

Event 10101002 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/01	09:56:57.10			-26.8400	-63.1500			562.6				4		97.83	103.40	m i ke	NEIC
OrigID 10101063																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	10101008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	98.80	P		10:09:36.691	0.2	242.0		4.54		TAS		536.8	1.35	a_e	mb	7.1
AHRW	98.80	pP		10:11:46.060	-0.0	239.3		2.69		TAS				m_e		
ASSE	101.55	P		10:09:49.341	0.2	242.0		4.54		TAS		260.7	1.45	a_e	mb	6.7
ASSE	101.55	PP		10:14:04.603		241.6		7.08		TAS				m_e		
BFO	98.34	P		10:09:34.291	-0.3	242.0		4.54		TAS		244.9	1.19	m_e	mb	6.8
BRG	102.77	P		10:09:54.541	-0.3	242.0		4.54		TAS		112.3	1.36	a_e	mb	6.4
BSEG	102.23	P		10:09:51.491	0.1	242.0		4.54		TAS		120.5	0.97	a_e	mb	6.5
BUG	99.37	P		10:09:38.791	-0.3	242.0		4.54		TAS		525.4	1.28	a_e	mb	7.1
BUG	99.37	pP		10:11:47.637		239.3		2.69		TAS				m_e		
CLL	102.44	P		10:09:53.141	-0.1	242.0		4.54		TAS		208.3	1.46	a_e	mb	6.6
CLZ	101.24	P		10:09:47.641	0.1	242.0		4.54		TAS		238.9	1.44	a_e	mb	6.5
CLZ	101.24	PP		10:14:02.269	0.2	241.6		7.08		TAS				m_e		
FLT1	101.95	P		10:09:50.391	-0.6	242.0		4.54		TAS		170.4	1.23	a_e	mb	6.5
FLT1	101.95	PP		10:14:07.359		241.6		7.08		TAS				m_e		
FUR	99.96	P		10:09:41.941	-0.1	242.0		4.54		TAS		494.0	1.48	a_e	mb	6.9
GEC2	101.70	P		10:09:49.541	-0.4	242.0		4.54		TAS		216.0	1.70	a_e	mb	6.5
GEC2	101.70	PP		10:14:05.711		241.6		7.08		TAS				m_e		
GRA1	100.67	P		10:09:45.291	0.2	242.0		4.54		TAS		406.5	1.34	a_e	mb	6.8
GTTG	100.88	P		10:09:45.991	0.0	242.0		4.54		TAS		248.2	1.36	a_e	mb	6.6
GTTG	100.88	PP		10:13:59.905	0.2	241.6		7.08		TAS				m_e		
GUNZ	101.62	P		10:09:49.791	0.2	242.0		4.54		TAS		223.2	1.68	a_e	mb	6.5
GUNZ	101.62	PP		10:14:05.413		241.6		7.08		TAS				m_e		
HLG	101.11	PP		10:14:01.484	0.3	241.6		7.08		TAS				m_e		
IBBN	100.08	P		10:09:41.991	-0.3	242.0		4.54		TAS		541.5	1.20	a_e	mb	7.1
IBBN	100.08	PP		10:13:54.181	-0.1	241.6		7.08		TAS				m_e		
MANZ	101.32	P		10:09:48.291	0.1	242.0		4.54		TAS		149.4	1.31	a_e	mb	6.4
MANZ	101.32	PP		10:14:02.995	-0.0	241.6		7.08		TAS				m_e		
MOX	101.35	P		10:09:48.291	-0.2	242.0		4.54		TAS		153.1	1.34	a_e	mb	6.4
MOX	101.35	PP		10:14:03.326	-0.2	241.6		7.08		TAS				m_e		

Station	Mag	Type	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
NEUB	101.70	P	10:09:49.891	0.4	242.0					4.54						277.6	1.33	a_e mb	6.7
NEUB	101.70	PP	10:14:05.711		241.6					7.08								m_e	
NRDL	101.42	P	10:09:48.741	0.4	242.0					4.54						234.9	1.26	a_e mb	6.6
NRDL	101.42	PP	10:14:03.922	-0.1	241.6					7.08								m_e	
PLN	101.58	P	10:09:49.441	0.3	242.0					4.54						106.5	1.26	a_e mb	6.3
PLN	101.58	PP	10:14:05.149		241.6					7.08								m_e	
RJOB	100.65	P	10:09:44.741	-0.5	242.0					4.54						84.0	1.18	a_e mb	6.2
ROTZ	101.27	P	10:09:47.991	0.2	242.0					4.54						140.8	1.34	a_e mb	6.3
ROTZ	101.27	PP	10:14:02.994	-0.1	241.6					7.08								m_e	
RUE	103.40	P	10:09:57.091		242.0					4.54						164.0	1.18	a_e mb	6.6
STU	99.06	P	10:09:37.641	-0.2	242.0					4.54						489.7	1.33	a_e mb	7.1
STU	99.06	pP	10:11:46.528	0.0	239.3					2.69								m_e	
TANN	101.72	P	10:09:50.291	-0.4	242.0					4.54						230.9	1.53	a_e mb	6.6
TANN	101.72	PP	10:14:05.711		241.6					7.08								m_e	
TNS	99.38	P	10:09:39.291	0.1	242.0					4.54						1111.2	1.92	m_e mb	7.3
TNS	99.38	pP	10:11:47.591		239.3					2.69								m_e	
WERD	101.65	P	10:09:49.741	0.2	242.0					4.54						116.8	1.35	a_e mb	6.3
WERD	101.65	PP	10:14:05.302		241.6					7.08								m_e	
WERN	101.61	P	10:09:49.691	0.4	242.0					4.54						205.4	1.34	a_e mb	6.6
WERN	101.61	PP	10:14:05.413		241.6					7.08								m_e	
WET	101.36	P	10:09:48.141	0.3	242.0					4.54						133.7	1.55	m_e mb	6.2
WET	101.36	PP	10:14:03.325	-0.2	241.6					7.08								m_e	
WLF	97.83	P	10:09:32.291	0.2	242.0					4.54						774.8	1.05	m_e mb	7.4

Event 10102001 Southeastern Uzbekistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/02	03:36:35.12			38.1440	67.4790				33.0					41.22	41.22	m i ke	BGR
10102007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10102007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	41.22		P	03:44:16.121		94.8		7.49		TAS		13.0	1.32	m_e mb	4.5

Event 10102002 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/02	04:17:59.38			32.2150	30.4450				33.0					22.60	22.60	m i ke	BGR
10102008																	

Magnitude	Err	Nsta	Author	OrigID

mb 4.3 BGR 10102008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	22.60		P	04:22:57.437		124.1		10.55		TAS		8.3	0.98	m_e	mb 4.1

Event 10102004 New Caledonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/02	09:32:46.91			-22.3920	165.8520				40.1					146.21	146.21	m i ke	BGR
OrigID 10102010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.21		PKPbc	09:52:22.312		42.1		3.12		TAS				m_e	
GRA1	146.21		pPKPbc	09:52:34.292		45.4		3.06		TAS				m_e	

Event 10102005 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/02	15:19:24.89			-4.7530	103.6910				30.0	0.5		20		93.49	96.98	m i ke	BGR
OrigID 10102011																	

Magnitude Err Nsta Author OrigID

mb 5.7 BGR 10102011
Ms 5.7 BGR 10102011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	95.58		P	15:32:47.337		91.2		4.54		TAS		50.3	1.71	m_e	mb 5.8
ASSE	95.58		pP	15:32:56.209						T__				m_e	
BRG	93.49		P	15:32:38.137	0.2	91.2		4.54		TAS		100.0	1.85	m_e	mb 5.9
BRG	93.49		pP	15:32:46.919	0.1					T__				m_e	
CLL	94.11		P	15:32:40.420	0.1	91.2		4.54		TAS		54.6	1.94	m_e	mb 5.5
CLL	94.11		pP	15:32:49.234	-0.0					T__				m_e	
CLZ	95.76		P	15:32:48.244		91.2		4.54		TAS		21.9	1.26	m_e	mb 5.5
CLZ	95.76		pP	15:32:57.205						T__				m_e	
GEC2	93.54		P	15:32:37.927	-0.2	91.2		4.54		TAS		80.1	1.79	m_e	mb 5.8
GEC2	93.54		pP	15:32:46.830	-0.1					T__				m_e	
GRA1	95.19		P	15:32:45.851		91.2		4.54		TAS		149.4	2.28	m_e	mb 6.0
GRA1	95.19		pP	15:32:54.575	-0.2					T__				m_e	
GRA1	95.19		L	16:24:26.420						T__		2506.8	20.30	a_e	Ms 5.7
GTTG	96.01		pP	15:32:58.036						T__				m_e	
GUNZ	94.49		P	15:32:42.557	-0.1	91.2		4.54		TAS		16.1	1.19	m_e	mb 5.2

GUNZ	94.49	pP	15:32:51.281	-0.0						T__						m_e	
MANZ	94.62	P	15:32:43.388	0.2	91.2		4.54			TAS	84.2	1.75	m_e mb			5.9	
MANZ	94.62	pP	15:32:52.172	0.1						T__						m_e	
MOX	94.96	P	15:32:44.604	-0.0	91.2		4.54			TAS	73.6	2.03	m_e mb			5.8	
MOX	94.96	pP	15:32:53.329	0.1						T__						m_e	
NEUB	94.87	P	15:32:44.051	-0.1	91.2		4.54			TAS	32.7	1.14	m_e mb			5.7	
NEUB	94.87	pP	15:32:52.795	-0.1						T__						m_e	
NRDL	95.92	pP	15:32:58.092							T__						m_e	
PLN	94.61	P	15:32:42.976	-0.0	91.2		4.54			TAS	13.6	1.20	m_e mb			5.3	
PLN	94.61	pP	15:32:51.815	-0.1						T__						m_e	
ROTZ	94.55	P	15:32:43.180	-0.2	91.2		4.54			TAS	84.4	2.07	m_e mb			5.8	
ROTZ	94.55	pP	15:32:51.904	-0.3						T__						m_e	
RUE	93.68	P	15:32:39.079	0.2	91.2		4.54			TAS	105.4	1.57	m_e mb			5.9	
RUE	93.68	pP	15:32:47.809	0.1						T__						m_e	
TANN	94.41	pP	15:32:50.925	-0.2						T__						m_e	
TNS	96.98	pP	15:33:02.537							T__						m_e	
WERD	94.51	P	15:32:42.379	0.3	91.2		4.54			TAS	48.8	1.96	m_e mb			5.6	
WERD	94.51	pP	15:32:51.192	0.3						T__						m_e	
WERN	94.46	P	15:32:42.480	0.4	91.2		4.54			TAS						m_e	
WET	94.09	P	15:32:40.509	-0.3	91.2		4.54			TAS	87.5	1.89	m_e mb			5.8	
WET	94.09	pP	15:32:49.412	-0.3						T__						m_e	

Event 10102006 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/02	20:20:16.80			-38.3600	-73.2800				16.9				8	114.90	115.95	m i ke	NEIC
OrigID 10102066																	

Magnitude	Err	Nsta	Author	OrigID
Ms	7.1		BGR	10102012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	115.82		PKiKP	20:38:59.384		236.7		2.20		TAS				m_e	
CLZ	115.52		PKiKP	20:38:58.778		236.7		2.20		TAS				m_e	
GEC2	115.89		PKiKP	20:38:59.002		236.7		2.20		TAS				m_e	
GRA1	114.90		L	21:26:16.078						T__	47696.1	21.50	a_e Ms		7.1
GUNZ	115.86		PKiKP	20:38:59.388		236.7		2.20		TAS				m_e	
GUNZ	115.86		PP	20:40:03.477		232.2		6.69		TAS				m_e	
MANZ	115.55		PKiKP	20:38:58.535		236.7		2.20		TAS				m_e	
MANZ	115.55		PP	20:40:01.189		232.2		6.69		TAS				m_e	
MOX	115.60		PKiKP	20:38:58.725		236.7		2.20		TAS				m_e	
MOX	115.60		PP	20:40:02.105		232.2		6.69		TAS				m_e	
NEUB	115.95		PKiKP	20:38:59.531		236.7		2.20		TAS				m_e	
NRDL	115.70		PKiKP	20:38:59.151		236.7		2.20		TAS				m_e	
PLN	115.82		PKiKP	20:38:59.151		236.7		2.20		TAS				m_e	
PLN	115.82		PP	20:40:03.400		232.2		6.69		TAS				m_e	

ROTZ	115.49	PP	20:40:00.507	232.2	6.69	TAS	m_e
TANN	115.95	PKiKP	20:38:59.436	236.7	2.20	TAS	m_e
TANN	115.95	PP	20:40:04.125	232.2	6.69	TAS	m_e
WERD	115.88	PKiKP	20:38:59.341	236.7	2.20	TAS	m_e
WERD	115.88	PP	20:40:03.420	232.2	6.69	TAS	m_e
WERN	115.84	PKiKP	20:38:59.294	236.7	2.20	TAS	m_e
WERN	115.84	PP	20:40:03.279	232.2	6.69	TAS	m_e
WET	115.56	PKiKP	20:38:58.393	236.7	2.20	TAS	m_e

Event 10103001 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/03	04:45:20.39			39.9960	140.4200				33.0			23		78.02	82.35	m i ke	BGR
OrigID 10103007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10103007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	82.35	P		04:57:36.967		37.1		5.41		TAS		28.5	1.37	m_e mb	5.2
BRG	78.12	P		04:57:14.279	-0.1	37.1		5.41		TAS		95.0	2.78	m_e mb	5.4
CLL	78.15	P		04:57:14.279	0.0	37.1		5.41		TAS		16.9	1.24	m_e mb	5.0
CLZ	78.73	P		04:57:18.116	0.2	37.1		5.41		TAS		10.5	0.87	m_e mb	4.9
FLT1	78.02	P		04:57:13.520	0.3	37.1		5.41		TAS		18.0	1.06	m_e mb	5.1
FUR	81.32	P		04:57:31.822		37.1		5.41		TAS		19.5	0.73	m_e mb	5.2
GEC2	79.79	P		04:57:23.220	-0.2	37.1		5.41		TAS		8.9	1.34	m_e mb	4.5
GRA1	80.12	P		04:57:25.834		37.1		5.41		TAS		22.9	1.06	m_e mb	5.0
GTTG	79.12	P		04:57:20.015	0.1	37.1		5.41		TAS		9.7	0.88	m_e mb	4.8
GUNZ	79.16	P		04:57:20.268	-0.3	37.1		5.41		TAS		7.7	0.98	m_e mb	4.7
IBBN	79.30	P		04:57:20.942	-0.1	37.1		5.41		TAS		16.0	0.81	m_e mb	5.1
MANZ	79.54	P		04:57:22.292	0.1	37.1		5.41		TAS		5.8	0.95	m_e mb	4.5
MOX	79.21	P		04:57:20.268	0.5	37.1		5.41		TAS		10.3	1.39	m_e mb	4.7
NEUB	78.72	P		04:57:17.569	0.2	37.1		5.41		TAS		16.2	0.93	m_e mb	5.0
PLN	79.13	P		04:57:20.015	0.5	37.1		5.41		TAS		9.8	1.31	m_e mb	4.7
RJOB	81.04	P		04:57:30.388		37.1		5.41		TAS		12.7	0.98	m_e mb	4.9
ROTZ	79.68	P		04:57:23.388	-0.0	37.1		5.41		TAS		15.0	1.53	m_e mb	4.7
STU	81.66	P		04:57:33.425		37.1		5.41		TAS		19.4	1.02	m_e mb	5.2
TANN	79.06	P		04:57:19.473	-0.1	37.1		5.41		TAS		21.5	1.90	m_e mb	4.9
TNS	80.76	P		04:57:28.679		37.1		5.41		TAS		10.6	1.39	m_e mb	4.7
WERD	79.10	P		04:57:19.846	0.2	37.1		5.41		TAS		26.1	2.14	m_e mb	4.9
WERN	79.20	P		04:57:20.521	0.2	37.1		5.41		TAS		6.9	0.91	m_e mb	4.7
WET	79.90	P		04:57:24.316	-0.4	37.1		5.41		TAS		7.8	1.11	m_e mb	4.5

Event 10104001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/04	05:54:04.10			-15.9500	-173.1200				34.9			20		144.09	147.69	m i ke	NEIC
OrigID 10104063																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.69		PKPbc	06:13:44.999		6.1		3.20		TAS					m_e
BRG	144.70		PKPbc	06:13:35.563	0.3	6.1		3.20		TAS					m_e
BUG	144.59		PKPbc	06:13:35.095	0.3	6.1		3.20		TAS					m_e
CLZ	144.09		PKPbc	06:13:33.704	0.1	6.1		3.20		TAS					m_e
FBE	144.73		PKPbc	06:13:36.014	0.3	6.1		3.20		TAS					m_e
FUR	147.67		PKPbc	06:13:45.117		6.1		3.20		TAS					m_e
GEC2	146.72		PKPbc	06:13:42.062		6.1		3.20		TAS					m_e
GRA1	146.16		PKPbc	06:13:40.726		6.1		3.20		TAS					m_e
GTTG	144.40		PKPbc	06:13:34.687	0.1	6.1		3.20		TAS					m_e
GUNZ	145.39		PKPbc	06:13:38.233	-0.3	6.1		3.20		TAS					m_e
MANZ	145.79		PKPbc	06:13:39.558		6.1		3.20		TAS					m_e
MOX	145.18		PKPbc	06:13:37.165	0.1	6.1		3.20		TAS					m_e
PLN	145.29		PKPbc	06:13:37.699	0.1	6.1		3.20		TAS					m_e
ROTZ	146.00		PKPbc	06:13:40.281		6.1		3.20		TAS					m_e
TANN	145.33		PKPbc	06:13:37.877	-0.2	6.1		3.20		TAS					m_e
TNS	145.79		PKPbc	06:13:39.488		6.1		3.20		TAS					m_e
WERD	145.31		PKPbc	06:13:37.699	-0.4	6.1		3.20		TAS					m_e
WERN	145.46		PKPbc	06:13:38.322		6.1		3.20		TAS					m_e
WET	146.53		PKPbc	06:13:41.883		6.1		3.20		TAS					m_e
WLF	146.37		PKPbc	06:13:41.400		6.1		3.20		TAS					m_e

Event 10104002 Western Indian-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/04	06:06:05.60			-51.9600	139.6100				10.0					147.88	147.88	m i ke	NEIC
OrigID 10104064																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.88		PKPbc	06:25:48.088		114.2		3.03		TAS					m_e

Event 10105002 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/01/05 00:57:34.23 32.2100 143.1900 33.0 30 84.81 90.23 m i ke BGR
 10105008

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10105008
MBB	6.1		BGR	10105008
Ms	5.4		BGR	10105008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	88.94		P	01:10:25.910	-0.3	39.0		4.81		TAS		61.4	1.52	a_e	MBB	5.9
ASSE	86.30		P	01:10:13.160	0.3	39.0		4.81		TAS		136.1	1.64	a_e	MBB	6.1
BFO	90.23		P	01:10:31.510		39.0		4.81		TAS		71.9	1.40	a_e	MBB	6.0
BRG	85.95		P	01:10:11.410	-0.4	39.0		4.81		TAS		178.9	1.87	a_e	MBB	6.1
BSEG	85.02		P	01:10:07.010	-0.1	39.0		4.81		TAS		134.9	1.49	a_e	MBB	6.3
BUG	88.14		P	01:10:21.760	0.1	39.0		4.81		TAS		127.8	1.68	a_e	MBB	6.3
BUG	88.14		PP	01:13:48.711		37.8		9.16		TAS				m_e		
CLL	86.01		P	01:10:11.410	0.1	39.0		4.81		TAS		223.1	1.66	a_e	MBB	6.2
CLZ	86.64		P	01:10:15.110	0.1	39.0		4.81		TAS		158.2	1.50	m_e	MBB	6.2
FBE	86.16		P	01:10:12.710	-0.0	39.0		4.81		TAS		254.9	1.62	a_e	MBB	6.1
FLT1	85.93		P	01:10:10.810	0.2	39.0		4.81		TAS		142.7	1.41	a_e	MBB	6.1
FUR	89.15		P	01:10:26.860	0.4	39.0		4.81		TAS		66.7	1.10	a_e	MBB	6.2
GEC2	87.59		P	01:10:19.060	0.4	39.0		4.81		TAS		71.4	1.87	a_e	MBB	6.0
GEC2	87.59		PP	01:13:44.549		37.8		9.16		TAS				m_e		
GRA1	87.98		P	01:10:21.660	-0.1	39.0		4.81		TAS		211.3	2.02	a_e	MBB	6.3
GRA1	87.98		PP	01:13:48.039		37.8		9.16		TAS				m_e		
GRA1	87.98		L	01:58:04.297						T_		1736.6	18.00	a_e	Ms	5.5
GTTG	87.03		P	01:10:16.760	0.1	39.0		4.81		TAS		108.3	1.58	a_e	MBB	6.0
GUNZ	87.01		P	01:10:16.710	0.1	39.0		4.81		TAS		147.5	1.89	a_e	MBB	5.9
IBBN	87.26		P	01:10:17.810	0.5	39.0		4.81		TAS		184.9	1.46	a_e	MBB	6.2
MANZ	87.39		P	01:10:18.660	-0.3	39.0		4.81		TAS		163.0	2.25	a_e	MBB	6.0
MANZ	87.39		PP	01:13:42.672		37.8		9.16		TAS				m_e		
MOX	87.08		P	01:10:16.960	0.2	39.0		4.81		TAS		96.6	1.69	m_e	MBB	6.0
MOX	87.08		L	01:57:46.192						T_		1264.4	19.20	a_e	Ms	5.3
NEUB	86.60		P	01:10:14.510	0.1	39.0		4.81		TAS		214.3	1.58	a_e	MBB	6.2
NRDL	86.23		P	01:10:12.910	-0.1	39.0		4.81		TAS		71.8	1.42	a_e	MBB	6.0
PLN	86.98		P	01:10:16.760	0.2	39.0		4.81		TAS		119.9	1.85	a_e	MBB	6.0
RJOB	88.82		P	01:10:25.210	-0.0	39.0		4.81		TAS		47.6	1.34	a_e	MBB	5.9
ROTZ	87.52		P	01:10:19.510	0.2	39.0		4.81		TAS		160.1	1.90	a_e	MBB	6.2
ROTZ	87.52		PP	01:13:43.946		37.8		9.16		TAS				m_e		
RUE	84.81		P	01:10:05.860	-0.0	39.0		4.81		TAS		233.2	1.52	a_e	MBB	6.4
STU	89.53		P	01:10:28.460	-0.6	39.0		4.81		TAS		118.4	1.84	a_e	MBB	6.0
TANN	86.92		P	01:10:16.310	0.3	39.0		4.81		TAS		120.8	2.13	a_e	MBB	6.0
WERD	86.95		P	01:10:16.410	0.1	39.0		4.81		TAS		97.3	1.88	a_e	MBB	5.8
WERN	87.05		P	01:10:16.960	-0.0	39.0		4.81		TAS		148.2	1.94	a_e	MBB	5.9
WET	87.71		P	01:10:20.210	-0.2	39.0		4.81		TAS		140.3	2.28	a_e	MBB	6.1
WET	87.71		PP	01:13:46.065		37.8		9.16		TAS				m_e		
WLF	89.99		P	01:10:31.310		39.0		4.81		TAS		162.2	1.81	a_e	MBB	6.2

Event 10105003 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/05	05:56:09.63			30.9880	49.5350				33.0			27		32.38	37.35	m i ke	BGR
OrigID 10105009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10105009
MBB	5.7		BGR	10105009
Ms	4.5		BGR	10105009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	36.99		P	06:03:16.010		108.7		8.65		TAS		59.0	1.25	a_e	MBB 5.4
ASSE	35.35		P	06:03:01.260	0.7	108.7		8.65		TAS		54.0	1.47	a_e	MBB 5.7
BFO	35.64		P	06:03:04.859	0.2	108.7		8.65		TAS		38.7	1.54	m_e	mb 5.0
BRG	32.98		P	06:02:40.560	-0.4	108.7		8.65		TAS		32.5	1.23	a_e	mb 5.1
BSEG	36.24		P	06:03:08.410	-0.8	108.7		8.65		TAS		29.8	1.24	a_e	mb 5.0
BUG	37.12		P	06:03:16.910		108.7		8.65		TAS		105.1	1.29	a_e	MBB 5.6
CLL	33.70		P	06:02:46.760	0.1	108.7		8.65		TAS		48.5	1.22	a_e	MBB 5.4
CLZ	35.42		P	06:03:02.110	0.5	108.7		8.65		TAS		95.3	1.14	a_e	MBB 5.8
FBE	33.34		P	06:02:43.910	-0.2	108.7		8.65		TAS		23.0	1.20	a_e	mb 5.0
FLT1	35.10		P	06:02:58.960	0.0	108.7		8.65		TAS		107.0	1.27	a_e	MBB 5.7
FUR	33.69		P	06:02:47.460	0.3	108.7		8.65		TAS		321.7	1.43	a_e	MBB 6.2
GEC2	32.38		P	06:02:36.110	0.1	108.7		8.65		TAS		55.7	1.31	a_e	MBB 5.7
GRA1	34.19		P	06:02:51.810	0.0	108.7		8.65		TAS		157.2	1.14	a_e	MBB 6.0
GRA1	34.19		L	06:18:19.048						T__		839.7	21.70	a_e	Ms 4.4
GTTG	35.56		P	06:03:03.310	0.1	108.7		8.65		TAS		95.7	1.44	a_e	MBB 5.6
IBBN	37.10		P	06:03:16.710		108.7		8.65		TAS		79.8	1.28	m_e	MBB 5.7
MANZ	33.75		P	06:02:47.960	0.1	108.7		8.65		TAS		52.7	1.53	a_e	MBB 5.6
MOX	34.27		P	06:02:51.860	-0.9	108.7		8.65		TAS		25.6	1.23	a_e	mb 5.0
MOX	34.27		L	06:18:21.914						T__		1260.8	21.40	a_e	Ms 4.6
NEUB	34.37		P	06:02:52.610	0.0	108.7		8.65		TAS		43.3	1.41	a_e	mb 5.2
NRDL	35.81		P	06:03:05.760	-0.1	108.7		8.65		TAS		116.7	1.30	a_e	MBB 5.7
PLN	33.89		P	06:02:48.569	-0.4	108.7		8.65		TAS		25.8	1.65	m_e	MBB 5.1
RJOB	32.59		P	06:02:38.410	0.8	108.7		8.65		TAS		61.2	1.35	a_e	mb 5.4
ROTZ	33.61		P	06:02:46.910	0.2	108.7		8.65		TAS		65.0	1.06	a_e	MBB 5.8
RUE	33.74		P	06:02:46.810	0.1	108.7		8.65		TAS		62.9	1.32	a_e	mb 5.4
STU	35.19		P	06:02:59.310	1.0	108.7		8.65		TAS		41.7	1.28	a_e	mb 5.2
WERN	33.69		P	06:02:47.310	-0.3	108.7		8.65		TAS		38.7	1.45	a_e	MBB 5.5
WET	32.99		P	06:02:40.860	-0.4	108.7		8.65		TAS		77.1	1.13	a_e	MBB 5.7
WLF	37.35		P	06:03:18.060		108.7		8.65		TAS		47.9	1.09	a_e	MBB 5.5

Event 10105004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/05	06:46:11.46		0.28	-23.1500	173.0500				118.0	1.5		30	164	146.61	152.09	m i ke	BGR
OrigID 10105010																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.55		PKPbc	07:05:49.059	-0.3	33.1		2.60		TAS					m_e
ASSE	148.06		PKPbc	07:05:42.433	0.0	33.1		2.60		TAS					m_e
ASSE	148.06		pPKPbc	07:06:14.193	0.0					T__					m_e
BFO	152.09		PKPbc	07:05:52.273		33.1		2.60		TAS					m_e
BRG	147.91		PKPbc	07:05:42.105	0.3	33.1		2.60		TAS					m_e
BRG	147.91		pPKPbc	07:06:13.373	0.1					T__					m_e
BSEG	146.61		PKPbc	07:05:38.235	0.2	33.1		2.60		TAS					m_e
BUG	149.69		PKPbc	07:05:46.697	0.3	33.1		2.60		TAS					m_e
CLL	147.93		PKPbc	07:05:41.777	-0.3	33.1		2.60		TAS					m_e
CLL	147.93		pPKPbc	07:06:13.380	-0.0					T__					m_e
CLZ	148.40		PKPbc	07:05:43.680	0.4	33.1		2.60		TAS					m_e
FBE	148.10		PKPbc	07:05:42.827	0.3	33.1		2.60		TAS					m_e
FLT1	147.70		PKPbc	07:05:41.187	-0.3	33.1		2.60		TAS					m_e
FLT1	147.70		pPKPbc	07:06:12.976	-0.1					T__					m_e
FUR	151.13		PKPbc	07:05:50.305		33.1		2.60		TAS					m_e
GEC2	149.59		PKPbc	07:05:46.435	-0.6	33.1		2.60		TAS					m_e
GRA1	149.91		PKPbc	07:05:47.550	0.3	33.1		2.60		TAS					m_e
GTTG	148.78		PKPbc	07:05:44.401	0.1	33.1		2.60		TAS					m_e
GTTG	148.78		pPKPbc	07:06:15.987						T__					m_e
GUNZ	148.94		PKPbc	07:05:44.992	-0.2	33.1		2.60		TAS					m_e
GUNZ	148.94		pPKPbc	07:06:16.590						T__					m_e
IBBN	148.78		PKPbc	07:05:44.270	0.3	33.1		2.60		TAS					m_e
IBBN	148.78		pPKPbc	07:06:16.227						T__					m_e
MANZ	149.33		PKPbc	07:05:46.041	-0.1	33.1		2.60		TAS					m_e
MOX	148.98		PKPbc	07:05:44.992	0.2	33.1		2.60		TAS					m_e
NEUB	148.47		PKPbc	07:05:43.483	0.0	33.1		2.60		TAS					m_e
NRDL	147.92		PKPbc	07:05:42.105	0.0	33.1		2.60		TAS					m_e
PLN	148.91		pPKPbc	07:06:16.576						T__					m_e
RJOB	150.83		PKPbc	07:05:49.321		33.1		2.60		TAS					m_e
ROTZ	149.47		PKPbc	07:05:46.435	0.1	33.1		2.60		TAS					m_e
RUE	146.70		PKPbc	07:05:38.497	-0.4	33.1		2.60		TAS					m_e
STU	151.41		PKPbc	07:05:50.961	-0.2	33.1		2.60		TAS					m_e
TANN	148.85		PKPbc	07:05:44.795	0.2	33.1		2.60		TAS					m_e
WERD	148.88		PKPbc	07:05:44.795	0.2	33.1		2.60		TAS					m_e
WERD	148.88		pPKPbc	07:06:16.367						T__					m_e
WERN	148.99		PKPbc	07:05:45.188	-0.0	33.1		2.60		TAS					m_e
WERN	148.99		pPKPbc	07:06:16.746						T__					m_e
WET	149.70		PKPbc	07:05:47.091	0.4	33.1		2.60		TAS					m_e
WLF	151.60		PKPbc	07:05:52.076	-0.6	33.1		2.60		TAS					m_e

Event 10105005 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/05	10:15:41.80		0.28	-2.3460	99.6710				33.0			13	164	89.09	90.56	m i ke	BGR

OrigID
10105011

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 10105011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	89.10		P	10:28:34.265	-0.0	92.7		4.64		TAS		22.2	1.37	m_e mb	5.2
FBE	89.48		P	10:28:36.148	0.1	92.7		4.64		TAS		24.4	1.37	m_e mb	5.3
GEC2	89.09		P	10:28:34.198	-0.1	92.7		4.64		TAS		25.7	1.38	m_e mb	5.3
GUNZ	90.09		P	10:28:38.906	-0.1	92.7		4.64		TAS		15.5	1.49	m_e mb	5.0
MANZ	90.21		P	10:28:39.780		92.7		4.64		TAS		23.5	1.37	m_e mb	5.2
MOX	90.56		P	10:28:41.058		92.7		4.64		TAS		26.1	1.53	m_e mb	5.3
NEUB	90.49		P	10:28:40.520		92.7		4.64		TAS		20.6	1.11	m_e mb	5.3
PLN	90.20		P	10:28:39.309		92.7		4.64		TAS		18.5	1.58	m_e mb	5.1
ROTZ	90.13		P	10:28:39.444	-0.0	92.7		4.64		TAS		12.5	1.09	m_e mb	5.1
RUE	89.33		P	10:28:35.408	0.1	92.7		4.64		TAS		72.2	1.38	m_e mb	5.7
WERD	90.11		P	10:28:38.771	-0.2	92.7		4.64		TAS		17.5	1.42	m_e mb	5.1
WET	89.65		P	10:28:36.888	0.0	92.7		4.64		TAS		18.5	1.30	m_e mb	5.2

Event 10105009 New Caledonia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/05	22:17:53.56		0.49	-23.0220	164.2890				33.0				247	146.01	146.01	m i ke	BGR

OrigID
10105015

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.01		PKPbc	22:37:29.417		48.2		3.41		TAS				m_e	

Event 10106001 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/06	03:24:01.40			70.8800	-6.1600				14.3					22.75	22.75	m i ke	NEIC

OrigID
10106064

Magnitude Err Nsta Author OrigID

mb 4.4 BGR 10106007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	22.75		P	03:29:03.087		345.3		8.97		TAS		15.0	1.22	m_e mb	4.4

Event 10106002 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/06	06:07:38.20			-19.3000	167.8400				10.0					144.37	144.37	m i ke	NEIC
OrigID 10106064																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.37		PKPbc	06:27:13.942		40.1		3.23		TAS				m_e	

Event 10106006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/06	16:18:03.20		0.50	-19.6500	168.2400				90.5					150	144.85	144.85	m i ke NEIC
OrigID 10106068																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.85		PKPbc	16:37:31.254		39.7		3.14		TAS				m_e	

Event 10106007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/06	20:57:11.30		0.50	-15.6600	-174.3100				130.5					150	145.76	145.76	m i ke NEIC
OrigID 10106070																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.76		PKPdf	21:16:36.240		9.5		1.76		TAS				m_e	

Event 10107005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/07	05:55:13.00		0.21	-19.9400	168.1800				79.8				15 326	144.06	147.34	m i ke	NEIC
OrigID 10107067																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.34		PKPbc	06:14:48.130		40.0		3.17		TAS					m_e
GEC2	144.62		PKPbc	06:14:40.018		40.0		3.17		TAS					m_e
GRA1	145.09		PKPbc	06:14:41.643		40.0		3.17		TAS					m_e
GTTG	144.13		PKPbc	06:14:38.327		40.0		3.17		TAS					m_e
GUNZ	144.11		PKPbc	06:14:38.327		40.0		3.17		TAS					m_e
IBBN	144.28		PKPbc	06:14:38.652		40.0		3.17		TAS					m_e
MANZ	144.49		PKPbc	06:14:39.693		40.0		3.17		TAS					m_e
MOX	144.19		PKPbc	06:14:38.444		40.0		3.17		TAS					m_e
PLN	144.09		PKPbc	06:14:38.165	-0.4	40.0		3.17		TAS					m_e
RJOB	145.84		PKPbc	06:14:43.768		40.0		3.17		TAS					m_e
ROTZ	144.61		PKPbc	06:14:40.403		40.0		3.17		TAS					m_e
STU	146.64		PKPbc	06:14:46.520		40.0		3.17		TAS					m_e
WERD	144.06		PKPbc	06:14:38.230	0.4	40.0		3.17		TAS					m_e
WERN	144.15		PKPbc	06:14:38.769		40.0		3.17		TAS					m_e
WLF	147.05		PKPbc	06:14:48.202		40.0		3.17		TAS					m_e

Event 10107004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/07	19:09:11.30		0.21	-19.8100	168.2000				62.7				20 326	143.60	147.23	m i ke	NEIC
OrigID 10107058																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.23		PKPbc	19:28:49.304		39.9		3.20		TAS					m_e
BUG	145.06		PKPbc	19:28:42.625		39.9		3.20		TAS					a_e
CLZ	143.63		PKPbc	19:28:38.175	0.3	39.9		3.20		TAS					m_e
FUR	146.12		PKPbc	19:28:46.511		39.9		3.20		TAS					m_e
GRA1	144.98		PKPbc	19:28:42.935		39.9		3.20		TAS					m_e
GTTG	144.01		PKPbc	19:28:39.489	0.1	39.9		3.20		TAS					m_e
GUNZ	144.00		PKPbc	19:28:39.717	-0.3	39.9		3.20		TAS					m_e
IBBN	144.16		PKPbc	19:28:39.879	-0.5	39.9		3.20		TAS					m_e
MANZ	144.38		PKPbc	19:28:40.825		39.9		3.20		TAS					a_e
MOX	144.08		PKPbc	19:28:39.628	0.5	39.9		3.20		TAS					m_e
NEUB	143.60		PKPbc	19:28:37.993	0.1	39.9		3.20		TAS					m_e

PLN	143.98	PKPbc	19:28:39.359	-0.2	39.9	3.20	TAS	m_e
RJOB	145.74	PKPbc	19:28:45.175		39.9	3.20	TAS	a_e
ROTZ	144.51	PKPbc	19:28:41.475		39.9	3.20	TAS	a_e
STU	146.53	PKPbc	19:28:47.747		39.9	3.20	TAS	m_e
TANN	143.91	PKPbc	19:28:39.261	-0.1	39.9	3.20	TAS	m_e
WERD	143.95	PKPbc	19:28:39.391	0.3	39.9	3.20	TAS	m_e
WERN	144.04	PKPbc	19:28:39.814	0.2	39.9	3.20	TAS	m_e
WET	144.68	PKPbc	19:28:41.765		39.9	3.20	TAS	m_e
WLF	146.94	PKPbc	19:28:49.325		39.9	3.20	TAS	m_e

Event 10107003 Priamurye-Northeastern China border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/07	23:34:11.50		0.21	43.0400	131.0100				550.0			14	326	70.90	75.98	m i ke	NEIC
OrigID 10107057																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10107009
Ms	4.9		BGR	10107009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	75.98		P	23:45:01.128		41.5		5.70		TAS		7.0	0.59	m_e mb	5.0
BSEG	70.90		P	23:44:32.211		41.5		5.70		TAS		13.2	0.70	m_e mb	5.2
CLL	71.74		P	23:44:36.985		41.5		5.70		TAS		13.0	0.60	m_e mb	5.2
CLZ	72.45		P	23:44:41.613		41.5		5.70		TAS				m_e	
FBE	71.88		P	23:44:38.229	0.1	41.5		5.70		TAS				m_e	
FLT1	71.73		P	23:44:36.603		41.5		5.70		TAS		15.9	0.81	m_e mb	5.2
FUR	74.83		L	00:44:24.291						T__		623.9	21.20	a_e Ms	4.9
GEC2	73.24		P	23:44:45.813	-0.3	41.5		5.70		TAS		12.1	1.20	m_e mb	4.9
GRA1	73.71		P	23:44:48.939	-0.4	41.5		5.70		TAS		12.0	0.62	m_e mb	5.1
GRA1	73.71		L	00:41:58.423						T__		609.3	21.30	a_e Ms	4.9
GUNZ	72.73		P	23:44:43.099	0.0	41.5		5.70		TAS				m_e	
MOX	72.83		P	23:44:43.438		41.5		5.70		TAS				m_e	
RJOB	74.47		P	23:44:53.268	0.1	41.5		5.70		TAS		8.3	0.97	m_e mb	4.7
ROTZ	73.22		P	23:44:46.225	0.3	41.5		5.70		TAS		3.8	0.74	m_e mb	4.6
WERN	72.76		P	23:44:43.375	0.3	41.5		5.70		TAS		7.9	0.69	m_e mb	5.0
WET	73.39		P	23:44:46.926	0.0	41.5		5.70		TAS		4.3	0.81	m_e mb	4.6
WET	73.39		L	00:50:01.423						T__		737.2	20.30	a_e Ms	5.0

Event 10108001 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/07	23:53:27.60			31.9130	49.1590				33.0			21		31.51	36.49	m i ke	BGR
OrigID																	

10108007

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10108007
Ms	4.4		BGR	10108007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	34.45		P	00:00:11.357		107.9		8.70		TAS				m_e	
BFO	34.79		L	00:48:25.712						T__		831.7	20.70	a_e Ms	4.5
BUG	36.24		P	00:00:27.408		107.9		8.70		TAS		25.0	1.13	a_e mb	5.0
CLL	32.80		P	23:59:56.825	0.1	107.9		8.70		TAS		11.1	0.84	m_e mb	4.7
CLL	32.80		L	00:44:28.674						T__		826.0	19.90	a_e Ms	4.4
CLZ	34.53		P	00:00:12.254		107.9		8.70		TAS		26.6	0.87	m_e mb	5.2
FLT1	34.20		P	00:00:09.173		107.9		8.70		TAS		23.7	0.93	m_e mb	5.1
FUR	32.84		P	23:59:57.927	0.4	107.9		8.70		TAS		40.7	1.18	m_e mb	5.1
FUR	32.84		L	00:44:24.272						T__		623.9	21.20	a_e Ms	4.3
GEC2	31.51		P	23:59:45.793	-0.3	107.9		8.70		TAS		8.1	1.32	m_e mb	4.4
GEC2	31.51		L	00:43:00.514						T__		811.8	21.90	a_e Ms	4.4
GRA1	33.32		P	00:00:02.208	-0.3	107.9		8.70		TAS		22.8	0.57	a_e mb	5.2
GRA1	33.32		L	00:41:58.425						T__		609.3	21.30	a_e Ms	4.3
GUNZ	32.86		P	23:59:57.856	-0.4	107.9		8.70		TAS				m_e	
IBBN	36.21		P	00:00:26.614		107.9		8.70		TAS		46.4	1.39	m_e mb	5.2
MANZ	32.87		P	23:59:58.099	0.1	107.9		8.70		TAS				m_e	
MOX	33.39		L	00:46:48.629						T__		1004.3	20.90	a_e Ms	4.5
NEUB	33.48		P	00:00:02.699	-0.8	107.9		8.70		TAS		15.6	0.81	m_e mb	4.9
NRDL	34.91		P	00:00:16.021		107.9		8.70		TAS		31.2	1.42	m_e mb	5.0
RJOB	31.74		P	23:59:48.328	0.4	107.9		8.70		TAS		23.7	1.32	m_e mb	4.9
ROTZ	32.74		P	23:59:56.933	0.1	107.9		8.70		TAS		12.4	0.71	m_e mb	4.8
RUE	32.83		P	23:59:55.927	0.1	107.9		8.70		TAS				m_e	
TANN	32.80		P	23:59:56.990	0.0	107.9		8.70		TAS				m_e	
WERD	32.90		P	23:59:57.833	-0.2	107.9		8.70		TAS				m_e	
WERN	32.81		P	23:59:57.496	0.3	107.9		8.70		TAS				m_e	
WET	32.12		P	23:59:51.390	-0.1	107.9		8.70		TAS		12.9	0.87	m_e mb	4.8
WET	32.12		L	00:50:01.416						T__		737.2	20.30	a_e Ms	4.4
WLF	36.49		P	00:00:28.558		107.9		8.70		TAS		42.5	1.38	a_e mb	5.2

Event 10108002 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/08	00:23:55.49		26.2430	53.4360					33.0			21		38.15	43.10	m i ke	BGR
10108008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10108008
Ms	4.4		BGR	10108008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	41.17		P	00:31:36.956		110.1		8.30		TAS		116.9	2.33	m_e mb	5.2
BRG	38.80		P	00:31:16.661	-0.6	110.1		8.30		TAS				m_e	
BUG	42.92		P	00:31:52.101		110.1		8.30		TAS		57.0	1.54	m_e mb	5.1
CLL	39.52		P	00:31:22.153	-1.1	110.1		8.30		TAS		14.5	0.90	m_e mb	4.6
CLZ	41.24		P	00:31:37.895		110.1		8.30		TAS				m_e mb	5.0
FLT1	40.93		P	00:31:34.464	0.4	110.1		8.30		TAS		72.2	1.74	m_e mb	5.1
FUR	39.43		P	00:31:23.145	0.0	110.1		8.30		TAS		449.3	2.32	m_e mb	5.7
GEC2	38.15		P	00:31:11.658	-0.4	110.1		8.30		TAS		150.8	2.87	m_e mb	5.2
GRA1	39.97		P	00:31:26.783	-0.2	110.1		8.30		TAS		35.2	1.09	m_e mb	4.9
GRA1	39.97		L	00:41:58.414						T__		609.3	21.30	a_e Ms	4.4
GUNZ	39.54		P	00:31:24.075	3.4	110.1		8.30		TAS				m_e	
MANZ	39.53		P	00:31:26.962	-0.4	110.1		8.30		TAS		449.5	4.11	m_e mb	5.4
MOX	40.07		P	00:31:27.711	0.2	110.1		8.30		TAS				m_e	
NEUB	40.18		P	00:31:28.314	0.5	110.1		8.30		TAS		19.7	0.77	m_e mb	4.8
NRDL	41.63		P	00:31:41.325		110.1		8.30		TAS		36.7	1.13	m_e mb	5.0
RJOB	38.33		P	00:31:13.781	0.4	110.1		8.30		TAS		1486.7	4.88	m_e mb	6.0
ROTZ	39.40		P	00:31:22.323	-1.0	110.1		8.30		TAS		55.6	1.76	m_e mb	4.9
TANN	39.48		P	00:31:22.045	0.5	110.1		8.30		TAS				m_e	
WERD	39.59		P	00:31:23.951	-0.2	110.1		8.30		TAS		24.6	1.70	m_e mb	4.6
WERN	39.49		P	00:31:22.772	0.6	110.1		8.30		TAS				m_e	
WET	38.76		P	00:31:16.447	-0.7	110.1		8.30		TAS		611.8	4.03	m_e mb	5.6
WLF	43.10		P	00:31:51.857		110.1		8.30		TAS		185.9	2.68	m_e mb	5.3

Event 10108003 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/08	18:23:45.39			30.4830	140.3280				33.0			17		85.48	90.55	m i ke	BGR
10108009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10108009
Ms	4.5		BGR	10108009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	90.55		P	18:36:42.251		42.0		4.75		TAS				m_e	
BRG	86.21		P	18:36:22.056	0.5	42.0		4.75		TAS		9.2	1.17	m_e mb	4.8
BSEG	85.48		P	18:36:19.147	-0.5	42.0		4.75		TAS		19.3	0.93	m_e mb	5.2
CLL	86.31		P	18:36:21.909	0.1	42.0		4.75		TAS		16.1	1.19	m_e mb	5.0
CLL	86.31		L	19:22:31.565						T__		173.5	19.00	a_e Ms	4.5
FBE	86.44		P	18:36:23.910	-0.1	42.0		4.75		TAS		55.0	1.98	m_e mb	5.3
FLT1	86.30		P	18:36:22.276	0.2	42.0		4.75		TAS		16.7	1.01	m_e mb	5.1
FUR	89.38		P	18:36:37.783		42.0		4.75		TAS		381.5	2.80	m_e mb	6.1
FUR	89.38		L	19:24:11.692						T__		163.8	19.30	a_e Ms	4.5
GEC2	87.78		P	18:36:29.127		42.0		4.75		TAS		91.6	2.93	m_e mb	5.6
GEC2	87.78		L	19:21:58.914						T__		226.0	21.20	a_e Ms	4.6

GRA1	88.27	L	19:20:10.839						T__	155.9	19.10	a_e	Ms	4.4
GTTG	87.41	P	18:36:28.465	42.0	4.75				TAS	8.9	0.87	m_e	mb	4.9
GUNZ	87.29	P	18:36:27.417	0.4 42.0	4.75				TAS	15.5	1.10	m_e	mb	5.0
IBBN	87.72	P	18:36:29.473	42.0	4.75				TAS	43.5	1.22	m_e	mb	5.7
MOX	87.39	P	18:36:28.004	42.0	4.75				TAS			m_e		
MOX	87.39	L	19:19:32.955						T__	141.7	19.10	a_e	Ms	4.4
PLN	87.28	P	18:36:27.536	0.5 42.0	4.75				TAS			m_e		
RJOB	89.00	P	18:36:36.082	42.0	4.75				TAS	93.1	2.60	m_e	mb	5.6
ROTZ	87.78	P	18:36:30.060	42.0	4.75				TAS	14.4	1.42	m_e	mb	5.1
WERD	87.24	P	18:36:27.417	-0.7 42.0	4.75				TAS	20.2	1.57	m_e	mb	5.0
WERN	87.33	P	18:36:28.119	-0.7 42.0	4.75				TAS	22.0	1.45	m_e	mb	5.1

Event 10109002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	10:03:40.29		0.26	-20.6400	169.5700				33.0			8	255	143.18	148.52	m i ke	BGR
10109008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.6		BGR	10109008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.11		PKPbc	10:23:19.713	-0.8	37.1		3.36		TAS				m_e	
BFO	148.52		SS	10:45:47.259		37.6		10.77		TAS				m_e	
BFO	148.52		PKPbc	10:23:23.735		37.1		3.36		TAS				m_e	
BFO	148.52		L	11:33:33.694						T__	5460.1	21.30		a_e	Ms 6.3
BRG	144.26		PKP	10:23:10.932	1.0					T__				m_e	
BRG	144.26		L	11:30:08.627						T__	12924.0	19.90		a_e	Ms 6.7
BSEG	143.18		SKKSac	10:33:15.490	0.5	36.4		6.11		TAS				m_e	
BSEG	143.18		L	11:28:14.871						T__	12284.2	20.40		a_e	Ms 6.7
BUG	146.28		PKPbc	10:23:16.476	0.4	37.1		3.36		TAS				m_e	
CLL	144.31		SKKSac	10:33:21.339	-0.2	36.4		6.11		TAS				m_e	
CLL	144.31		PKP	10:23:11.380	1.0					T__				m_e	
CLL	144.31		L	11:27:54.581						T__	10454.8	21.60		a_e	Ms 6.6
CLZ	144.89		SKKSac	10:33:24.529	-0.6	36.4		6.11		TAS				m_e	
CLZ	144.89		PKP	10:23:12.497	1.0					T__				m_e	
CLZ	144.89		L	11:28:09.316						T__	10055.4	21.20		a_e	Ms 6.6
FUR	147.45		SS	10:45:34.648		37.6		10.77		TAS				m_e	
FUR	147.45		PKPbc	10:23:20.890		37.1		3.36		TAS				m_e	
GEC2	145.87		SKKSac	10:33:31.442		36.4		6.11		TAS				m_e	
GEC2	145.87		SS	10:45:17.391		37.6		10.77		TAS				m_e	
GEC2	145.87		PKPbc	10:23:15.299	0.2	37.1		3.36		TAS				m_e	
GEC2	145.87		L	11:28:48.591						T__	8135.3	21.60		a_e	Ms 6.5
GRA1	146.28		SKKSac	10:33:35.696		36.4		6.11		TAS				m_e	
GRA1	146.28		PKPbc	10:23:16.966	0.7	37.1		3.36		TAS				m_e	
GRA1	146.28		PP	10:26:40.648						T__				m_e	

GRA1	146.28	L	11:27:44.550						T__	7914.8	20.70	a_e Ms	6.5
GTTG	145.28	PKPbc	10:23:13.629	0.0	37.1	3.36			TAS			m_e	
GTTG	145.28	L	11:29:01.752						T__	12776.5	20.50	a_e Ms	6.7
IBBN	145.38	PKPbc	10:23:13.507	0.3	37.1	3.36			TAS			m_e	
IBBN	145.38	L	11:29:48.247						T__	7904.3	20.40	a_e Ms	6.5
MOX	145.38	SS	10:45:13.408	0.0	37.6	10.77			TAS			m_e	
MOX	145.38	PKPbc	10:23:13.631	-0.4	37.1	3.36			TAS			m_e	
MOX	145.38	L	11:31:38.848						T__	6865.6	20.90	a_e Ms	6.4
NRDL	144.44	SKKSac	10:33:22.403	-0.7	36.4	6.11			TAS			m_e	
NRDL	144.44	PKP	10:23:11.922	1.0					T__			m_e	
NRDL	144.44	L	11:33:05.992						T__	12758.4	19.10	a_e Ms	6.7
RJOB	147.09	SS	10:45:32.656		37.6	10.77			TAS			m_e	
RJOB	147.09	PKPbc	10:23:19.500	-0.2	37.1	3.36			TAS			m_e	
ROTZ	145.82	SS	10:45:17.391	0.5	37.6	10.77			TAS			m_e	
ROTZ	145.82	PKPbc	10:23:15.629	-0.1	37.1	3.36			TAS			m_e	
ROTZ	145.82	L	11:29:02.855						T__	9272.3	21.60	a_e Ms	6.5
STU	147.82	SKKSac	10:33:42.608		36.4	6.11			TAS			m_e	
STU	147.82	SS	10:45:39.294		37.6	10.77			TAS			m_e	
STU	147.82	PKPbc	10:23:22.067		37.1	3.36			TAS			m_e	
STU	147.82	L	11:28:41.694						T__	7736.1	21.90	a_e Ms	6.4
TANN	145.22	SS	10:45:10.753	0.3	37.6	10.77			TAS			m_e	
TANN	145.22	PKPbc	10:23:13.289	-0.3	37.1	3.36			TAS			m_e	
TANN	145.22	L	11:28:43.180						T__	11265.8	21.80	a_e Ms	6.6
TAUT	145.08	PP	10:26:33.223						T__			m_e	
WET	146.01	SKKSac	10:33:33.037		36.4	6.11			TAS			m_e	
WET	146.01	SS	10:45:22.700		37.6	10.77			TAS			m_e	
WET	146.01	PKPbc	10:23:15.985	0.3	37.1	3.36			TAS			m_e	
WET	146.01	L	11:27:15.183						T__	12738.8	21.70	a_e Ms	6.7
WLF	148.17	SS	10:45:43.276		37.6	10.77			TAS			m_e	
WLF	148.17	PKPbc	10:23:23.637		37.1	3.36			TAS			m_e	

Event 10109004 Off southeast coast of Hokkaido, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	12:42:29.48		0.26	42.3970	146.8830				33.0			12	255	77.07	82.54	m i ke	BGR
10109010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10109010
Ms	4.7		BGR	10109010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	82.54		P	12:54:46.440		31.6		5.39		TAS		11.7	1.21	m_e mb	5.0
BRG	78.46		P	12:54:24.894	-0.3	31.6		5.39		TAS				m_e	
BSEG	77.07		P	12:54:17.908	0.3	31.6		5.39		TAS				m_e	
CLL	78.42		P	12:54:24.426	-0.6	31.6		5.39		TAS		9.6	0.91	m_e mb	4.9

CLL	78.42	L	13:32:14.685						T__	404.2	18.70	a_e	Ms	4.8
CLZ	78.85	P	12:54:27.702	-0.5	31.6		5.39		TAS			m_e		
FUR	81.68	L	13:33:49.813						T__	284.4	18.60	a_e	Ms	4.7
GEC2	80.24	P	12:54:34.640	0.3	31.6		5.39		TAS	14.4	1.76	m_e	mb	4.6
GEC2	80.24	L	13:33:03.563						T__	304.8	19.60	a_e	Ms	4.7
GRA1	80.40	P	12:54:36.311		31.6		5.39		TAS	36.6	1.56	m_e	mb	5.1
GRA1	80.40	L	13:33:42.043						T__	254.2	19.40	a_e	Ms	4.6
MOX	79.46	P	12:54:30.117	0.7	31.6		5.39		TAS			m_e		
MOX	79.46	L	13:32:29.097						T__	427.3	18.00	a_e	Ms	4.8
RJOB	81.50	P	12:54:42.040		31.6		5.39		TAS	67.4	2.30	m_e	mb	5.4
ROTZ	80.00	P	12:54:33.149	0.5	31.6		5.39		TAS			m_e		
STU	81.87	P	12:54:43.915		31.6		5.39		TAS			m_e		
WET	80.29	P	12:54:35.593	-0.8	31.6		5.39		TAS	6.0	0.95	m_e	mb	4.5
WET	80.29	L	13:33:06.225						T__	430.8	21.50	a_e	Ms	4.8

Event 10109005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	14:22:41.10		0.26	-19.2000	168.3000				10.0			8	255	143.41	146.72	m i ke	NEIC
OrigID 10109068																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.72		PKP	14:42:23.386	0.1	39.3		3.01		TAS				m_e	
GEC2	144.03		PKP	14:42:15.160	-0.3	39.3		3.01		TAS				m_e	
GRA1	144.47		PKP	14:42:16.899	0.2	39.3		3.01		TAS				m_e	
RJOB	145.25		PKP	14:42:19.431	0.3	39.3		3.01		TAS				m_e	
ROTZ	144.01		PKP	14:42:15.459	-0.0	39.3		3.01		TAS				m_e	
STU	146.02		PKP	14:42:21.573	0.1	39.3		3.01		TAS				m_e	
TANN	143.41		PKP	14:42:13.589		39.3		3.01		TAS				m_e	
WLF	146.41		PKP	14:42:23.403		39.3		3.01		TAS				m_e	

Event 10109006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	14:54:44.90		0.26	-19.3800	168.2300				33.0			13	255	142.57	146.85	m i ke	NEIC
OrigID 10109068																	

Magnitude Err Nsta Author OrigID

Ms 5.3 BGR 10109012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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Event 10109008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	16:58:06.60		0.26	-19.1900	168.1700				33.0			14	255	142.38	146.66	m i ke	NEIC
OrigID 10109070																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.29		PKP	17:17:43.510		39.5		3.02		TAS					m_e
BFO	146.66		PKP	17:17:46.291		39.5		3.02		TAS					m_e
BRG	142.38		PKP	17:17:34.608	0.7	39.5		3.02		TAS					m_e
BUG	144.47		PKP	17:17:39.818	-0.3	39.5		3.02		TAS					m_e
FUR	145.56		PKP	17:17:43.190		39.5		3.02		TAS					m_e
GEC2	143.97		PKP	17:17:39.217	0.9	39.5		3.02		TAS					m_e
GRA1	144.41		PKP	17:17:38.899	-0.2	39.5		3.02		TAS					m_e
MOX	143.51		PKP	17:17:35.129	-0.3	39.5		3.02		TAS					m_e
RJOB	145.19		PKP	17:17:41.874		39.5		3.02		TAS					m_e
ROTZ	143.94		PKP	17:17:38.286	-0.2	39.5		3.02		TAS					m_e
STU	145.96		PKP	17:17:45.744		39.5		3.02		TAS					m_e
TANN	143.34		PKP	17:17:37.367	0.5	39.5		3.02		TAS					m_e
WET	144.12		PKP	17:17:39.614	1.2	39.5		3.02		TAS					m_e
WLF	146.35		PKP	17:17:45.641		39.5		3.02		TAS					m_e

Event 10109009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	17:21:55.10		0.26	-19.2800	168.1300				32.8			11	255	142.51	146.72	m i ke	NEIC
OrigID 10109070																	

Magnitude Err Nsta Author OrigID

Ms	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
6.1			BGR												
	146.72		PKP	17:41:33.232		39.6		3.24		TAS					m_e
	146.72		L	18:46:13.008						T__		3690.5	21.40	a_e	Ms 6.1
	142.51		L	18:44:48.284						T__		3250.0	21.90	a_e	Ms 6.0
	145.62		PKP	17:41:30.455		39.6		3.24		TAS					m_e
	145.62		L	18:44:00.879						T__		4071.4	22.00	a_e	Ms 6.2
	144.03		PKP	17:41:25.845	-0.4	39.6		3.24		TAS					m_e
	144.03		L	18:44:16.921						T__		3709.0	21.80	a_e	Ms 6.1
	144.48		PKP	17:41:26.516		39.6		3.24		TAS					m_e
	144.48		L	18:45:37.090						T__		2834.8	21.10	a_e	Ms 6.0
	143.58		PKP	17:41:23.082	0.2	39.6		3.24		TAS					a_e
	143.58		L	18:45:30.134						T__		3049.4	21.60	a_e	Ms 6.0
	145.25		PKP	17:41:29.170		39.6		3.24		TAS					m_e

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ROTZ	144.01	PKP	17:41:25.174	0.3	39.6	3.24	TAS											m_e
STU	146.03	PKP	17:41:31.379		39.6	3.24	TAS											m_e
TANN	143.41	PKP	17:41:22.936	0.1	39.6	3.24	TAS											m_e
WET	144.18	PKP	17:41:25.382		39.6	3.24	TAS											a_e
WET	144.18	L	18:48:59.673				T__				3072.0	19.90	a_e	Ms			6.1	
WLF	146.42	PKP	17:41:33.042		39.6	3.24	TAS											m_e

Event 10109010 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	18:21:09.50		0.26	-19.3100	168.0100				24.1			6	255	143.98	146.00	m i ke	NEIC
OrigID 10109072																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.35		PKP	18:40:45.928		39.8		3.25		TAS					m_e
FUR	145.59		PKP	18:40:46.295		39.8		3.25		TAS					m_e
GRA1	144.45		PKP	18:40:40.940		39.8		3.25		TAS					m_e
RJOB	145.22		PKP	18:40:44.991		39.8		3.25		TAS					m_e
ROTZ	143.98		PKP	18:40:41.635		39.8		3.25		TAS					m_e
STU	146.00		PKP	18:40:47.148		39.8		3.25		TAS					m_e

Event 10109011 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/09	19:24:28.20		0.26	-19.7100	168.1200				33.0			8	255	143.79	146.41	m i ke	NEIC
OrigID 10109073																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	144.40		PKP	19:44:02.401		40.0		3.14		TAS					m_e
GRA1	144.86		PKP	19:44:03.891		40.0		3.14		TAS					m_e
MOX	143.96		PKP	19:44:00.344	0.1	40.0		3.14		TAS					m_e
RJOB	145.61		PKP	19:44:05.875		40.0		3.14		TAS					m_e
ROTZ	144.38		PKP	19:44:01.764		40.0		3.14		TAS					m_e
STU	146.41		PKP	19:44:08.518		40.0		3.14		TAS					m_e
TANN	143.79		PKP	19:44:00.552	0.3	40.0		3.14		TAS					m_e
WET	144.55		PKP	19:44:02.634		40.0		3.14		TAS					m_e

Event 10110001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/10	02:10:45.22			-19.8620	-174.9580				33.0				26	145.75	151.49	m i ke	BGR
10110007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10110007
Ms	4.9		BGR	10110007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.48		PKPbc	02:30:35.272		11.6		2.59		TAS				m_e	
BFO	151.48		L	03:00:28.728						T__		183.7	20.10	a_e	Ms 4.9
BRG	148.26		PKPbc	02:30:27.331	0.1	11.6		2.59		TAS				m_e	
BSEG	145.75		PKPbc	02:30:20.183	-0.1	11.6		2.59		TAS				m_e	
BUG	148.44		PKPbc	02:30:27.633	0.3	11.6		2.59		TAS				m_e	
CLL	148.00		PKPbc	02:30:26.513	0.4	11.6		2.59		TAS				m_e	
CLL	148.00		L	03:02:17.949						T__		271.8	18.90	a_e	Ms 5.1
CLZ	147.81		PKPbc	02:30:26.483	0.1	11.6		2.59		TAS				a_e	
FBE	148.32		PKPbc	02:30:27.795	0.2	11.6		2.59		TAS				m_e	
FLT1	147.24		PKPbc	02:30:24.233	-0.0	11.6		2.59		TAS				a_e	
FUR	151.32		PKPbc	02:30:34.883		11.6		2.59		TAS				a_e	
GEC2	150.26		PKPbc	02:30:32.299	-0.4	11.6		2.59		TAS				m_e	
GEC2	150.26		L	03:03:49.523						T__		179.7	22.00	a_e	Ms 4.8
GRA1	149.83		PKPbc	02:30:31.611	-0.3	11.6		2.59		TAS				m_e	
GRA1	149.83		L	03:12:09.234						T__		181.0	20.70	a_e	Ms 4.9
GTTG	148.15		PKPbc	02:30:27.076	-0.3	11.6		2.59		TAS				m_e	
GUNZ	149.02		PKPbc	02:30:29.536	-0.1	11.6		2.59		TAS				m_e	
MANZ	149.42		PKPbc	02:30:30.465	0.4	11.6		2.59		TAS				m_e	
MOX	148.84		PKPbc	02:30:28.817	0.3	11.6		2.59		TAS				m_e	
MOX	148.84		L	03:02:16.944						T__		202.7	19.50	a_e	Ms 4.9
NEUB	148.29		PKPbc	02:30:27.377	0.1	11.6		2.59		TAS				m_e	
NRDL	147.19		PKPbc	02:30:24.433	0.4	11.6		2.59		TAS				a_e	
PLN	148.92		PKPbc	02:30:29.039	0.4	11.6		2.59		TAS				m_e	
RJOB	151.49		PKPbc	02:30:34.971		11.6		2.59		TAS				m_e	
RUE	146.75		PKPbc	02:30:22.883	-0.3	11.6		2.59		TAS				a_e	
STU	150.97		PKPbc	02:30:34.333		11.6		2.59		TAS				a_e	
TANN	148.95		PKPbc	02:30:29.281	0.3	11.6		2.59		TAS				m_e	
WERD	148.94		PKPbc	02:30:29.142	0.2	11.6		2.59		TAS				m_e	
WERN	149.09		PKPbc	02:30:29.757	-0.2	11.6		2.59		TAS				m_e	
WET	150.12		PKPbc	02:30:31.974	-0.7	11.6		2.59		TAS				m_e	
WET	150.12		L	03:11:36.134						T__		254.7	20.30	a_e	Ms 5.0
WLF	150.25		PKPbc	02:30:33.187		11.6		2.59		TAS				m_e	

Event 10110002 Carlsberg Ridge

./2011/bull1101.txt

Thu Apr 23 08:38:25 2020

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/10	03:21:38.01			-6.1070	67.6570				33.0			16		73.14	75.96	m i ke	BGR
OrigID 10110008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10110008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	74.94		P	03:33:17.131		120.5		5.84		TAS		38.4	1.72	m_e	mb 5.1
CLL	73.81		P	03:33:10.494	-0.2	120.5		5.84		TAS		22.3	1.33	m_e	mb 5.0
CLZ	75.49		P	03:33:20.465		120.5		5.84		TAS		32.9	1.42	m_e	mb 5.2
FBE	73.41		P	03:33:08.276	0.3	120.5		5.84		TAS		21.1	1.19	m_e	mb 5.1
FLT1	75.28		P	03:33:18.502		120.5		5.84		TAS		29.8	1.49	m_e	mb 5.1
FUR	73.14		P	03:33:06.384		120.5		5.84		TAS		82.1	1.40	m_e	mb 5.7
GRA1	73.94		P	03:33:11.137	-0.1	120.5		5.84		TAS		58.0	1.21	m_e	mb 5.5
GTTG	75.56		P	03:33:20.988		120.5		5.84		TAS		25.3	1.17	m_e	mb 5.2
GUNZ	73.67		P	03:33:10.006	0.1	120.5		5.84		TAS		27.9	1.50	m_e	mb 5.1
MANZ	73.60		P	03:33:09.113	-0.1	120.5		5.84		TAS		18.4	1.27	m_e	mb 5.0
MOX	74.21		P	03:33:12.916	0.1	120.5		5.84		TAS		13.1	1.30	m_e	mb 4.8
NEUB	74.41		P	03:33:14.135	0.2	120.5		5.84		TAS		46.0	1.52	m_e	mb 5.3
NRDL	75.96		P	03:33:23.068		120.5		5.84		TAS		18.1	1.41	m_e	mb 5.0
RUE	74.04		P	03:33:11.621	0.1	120.5		5.84		TAS				m_e	
STU	74.64		P	03:33:15.262		120.5		5.84		TAS		30.2	1.22	m_e	mb 5.2
WERN	73.61		P	03:33:09.606	0.1	120.5		5.84		TAS		38.4	1.20	m_e	mb 5.3

Event 10110004 Volcano Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/10	10:24:20.00		0.73	23.1200	143.2300				73.8			11	152	93.20	96.60	m i ke	NEIC
OrigID 10110058																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10110010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	93.86		P	10:37:26.856	-0.6	43.5		7.84		TAS		7.4	1.05	m_e	mb 4.9
BRG	93.86		PP	10:41:13.679	0.0					T__				m_e	
BSEG	93.20		P	10:37:24.067	0.1	43.5		7.84		TAS		29.4	1.40	m_e	mb 5.5
BSEG	93.20		PP	10:41:08.756	-0.5					T__				m_e	
CLL	93.97		P	10:37:27.704	-0.1	43.5		7.84		TAS		9.2	0.95	m_e	mb 5.1
CLL	93.97		PP	10:41:14.141	-0.1					T__				m_e	
FBE	94.09		P	10:37:28.413	0.1	43.5		7.84		TAS		12.2	0.95	m_e	mb 5.2
FLT1	94.00		P	10:37:27.039	1.1	43.5		7.84		TAS				m_e	
GEC2	95.39		P	10:37:34.359		43.5		7.84		TAS		4.7	1.07	m_e	mb 4.8
GEC2	95.39		PP	10:41:26.133						T__				m_e	

GUNZ	94.95	P	10:37:33.353	43.5	7.84	TAS	8.0	1.03	m_e	mb	5.1
IBBN	95.44	P	10:37:34.268	43.5	7.84	TAS	14.4	0.92	m_e	mb	5.4
MANZ	95.32	P	10:37:33.353	43.5	7.84	TAS	6.6	1.11	m_e	mb	5.0
MANZ	95.32	PP	10:41:25.051			T__			m_e		
MOX	95.06	PP	10:41:22.208			T__			m_e		
PLN	94.93	PP	10:41:22.069			T__			m_e		
RJOB	96.60	P	10:37:40.987	-0.1 43.5	7.84	TAS	5.7	0.68	m_e	mb	5.3
ROTZ	95.43	P	10:37:34.947	43.5	7.84	TAS	8.8	1.16	m_e	mb	5.1
TANN	94.85	PP	10:41:21.515			T__			m_e		
WERD	94.90	P	10:37:31.938	43.5	7.84	TAS			m_e		
WERD	94.90	PP	10:41:22.277			T__			m_e		
WERN	94.98	P	10:37:32.567	43.5	7.84	TAS	23.1	1.49	m_e	mb	5.4
WERN	94.98	PP	10:41:22.693			T__			m_e		
WET	95.57	PP	10:41:27.616			T__			m_e		

Event 10110005 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/10	20:55:27.58		0.35	-20.6260	168.9840				33.0			13	281	145.00	148.28	m i ke	BGR
OrigID 10110011																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10110011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.28		PKPbc	21:15:09.794		39.3		3.20		TAS				m_e	
GEC2	145.59		PKPbc	21:15:02.073		39.3		3.20		TAS				m_e	
GRA1	146.03		PKPbc	21:15:03.444		39.3		3.20		TAS				m_e	
GUNZ	145.06		PKPbc	21:14:58.826		39.3		3.20		TAS				m_e	
MANZ	145.44		PKPbc	21:15:01.496		39.3		3.20		TAS				m_e	
MOX	145.13		PKPbc	21:15:00.390		39.3		3.20		TAS				m_e	
PLN	145.03		PKPbc	21:14:59.800		39.3		3.20		TAS				m_e	
RJOB	146.81		PKPbc	21:15:05.861		39.3		3.20		TAS				m_e	
ROTZ	145.56		PKPbc	21:15:02.022		39.3		3.20		TAS				m_e	
WERD	145.00		PKPbc	21:14:59.858		39.3		3.20		TAS				m_e	
WERN	145.10		PKPbc	21:15:00.273		39.3		3.20		TAS				m_e	
WET	145.74		PKPbc	21:15:01.943		39.3		3.20		TAS				m_e	
WLF	147.96		PKPbc	21:15:09.866		39.3		3.20		TAS				m_e	

Event 10110006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/10	23:32:48.20		0.35	-20.4080	169.4690				33.0			13	281	144.97	148.27	m i ke	BGR
OrigID																	

10110012

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	148.27		PKPbc	23:52:30.562		38.4		3.19		TAS					m_e	
GEC2	145.62		PKPbc	23:52:22.966		38.4		3.19		TAS					m_e	
GRA1	146.03		PKPbc	23:52:24.062		38.4		3.19		TAS					m_e	
GUNZ	145.06		PKPbc	23:52:20.840		38.4		3.19		TAS					m_e	
IBBN	145.13		PKPbc	23:52:20.655		38.4		3.19		TAS					m_e	
MANZ	145.44		PKPbc	23:52:21.782		38.4		3.19		TAS					m_e	
MOX	145.13		PKPbc	23:52:20.651		38.4		3.19		TAS					m_e	
PLN	145.04		PKPbc	23:52:20.574		38.4		3.19		TAS					m_e	
RJOB	146.84		PKPbc	23:52:26.372		38.4		3.19		TAS					m_e	
ROTZ	145.57		PKPbc	23:52:22.534		38.4		3.19		TAS					m_e	
TANN	144.97		PKPbc	23:52:19.644		38.4		3.19		TAS					m_e	
WERD	145.01		PKPbc	23:52:20.707		38.4		3.19		TAS					m_e	
WET	145.76		PKPbc	23:52:22.932		38.4		3.19		TAS					m_e	
WLF	147.92		PKPbc	23:52:30.340		38.4		3.19		TAS					m_e	

Event 10111002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2011/01/11	09:16:10.80		0.73	-13.2100	167.1600				229.1			22	154	135.41	139.48	m i ke	NEIC
10111064																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	136.83		PKPdf	09:35:06.144	0.1	35.4		2.82		TAS					m_e	
ASSE	136.83		SKPdf	09:38:19.666	-0.1					T__					m_e	
BRG	136.60		PKPdf	09:35:05.788	0.0	35.4		2.82		TAS					a_e	
BRG	136.60		SKPdf	09:38:18.957	0.1					T__					m_e	
BSEG	135.44		PKPdf	09:35:03.569	-0.2	35.4		2.82		TAS					m_e	
BSEG	135.44		SKPdf	09:38:15.633	-0.1					T__					m_e	
BUG	138.54		PKPdf	09:35:09.123		35.4		2.82		TAS					m_e	
CLL	136.63		PKPdf	09:35:05.631	0.3	35.4		2.82		TAS					m_e	
CLL	136.63		SKPdf	09:38:18.923	0.0					T__					m_e	
CLZ	137.17		PKPdf	09:35:07.031	0.0	35.4		2.82		TAS					m_e	
CLZ	137.17		SKPdf	09:38:20.796	0.1					T__					m_e	
FBE	136.79		PKPdf	09:35:06.426	0.3	35.4		2.82		TAS					m_e	
FBE	136.79		SKPdf	09:38:19.783	0.2					T__					m_e	
FLT1	136.46		PKPdf	09:35:05.238	-0.2	35.4		2.82		TAS					a_e	
FLT1	136.46		SKPdf	09:38:18.265	-0.1					T__					m_e	
GEC2	138.25		PKPdf	09:35:08.702	-0.1	35.4		2.82		TAS					m_e	
GEC2	138.25		SKPdf	09:38:23.782						T__					m_e	

GRA1	138.61	PKPdf	09:35:09.329		35.4		2.82	TAS		m_e
GTTG	137.56	PKPdf	09:35:07.402	-0.1	35.4		2.82	TAS		m_e
GTTG	137.56	SKPdf	09:38:21.757	0.2				T__		m_e
GUNZ	137.64	PKPdf	09:35:07.856	0.3	35.4		2.82	TAS		m_e
GUNZ	137.64	SKPdf	09:38:22.213	-0.1				T__		m_e
IBBN	137.64	PKPdf	09:35:07.666	-0.0	35.4		2.82	TAS		m_e
IBBN	137.64	SKPdf	09:38:21.960	0.2				T__		m_e
MANZ	138.02	PKPdf	09:35:08.562	-0.2	35.4		2.82	TAS		m_e
MANZ	138.02	SKPdf	09:38:23.276	0.1				T__		m_e
MOX	137.69	PKPdf	09:35:07.729	0.0	35.4		2.82	TAS		m_e
MOX	137.69	SKPdf	09:38:21.992	-0.1				T__		m_e
NEUB	137.19	PKPdf	09:35:06.874	-0.1	35.4		2.82	TAS		m_e
NEUB	137.19	SKPdf	09:38:20.846	0.0				T__		m_e
NRDL	136.72	PKPdf	09:35:05.965	0.0	35.4		2.82	TAS		m_e
NRDL	136.72	SKPdf	09:38:19.261	0.2				T__		m_e
PLN	137.61	PKPdf	09:35:07.563	0.0	35.4		2.82	TAS		m_e
PLN	137.61	SKPdf	09:38:21.960	0.5				T__		m_e
RJOB	139.48	SKPdf	09:38:26.847					T__		m_e
ROTZ	138.16	PKPdf	09:35:08.649	-0.2	35.4		2.82	TAS		m_e
ROTZ	138.16	SKPdf	09:38:23.883	-0.6				T__		m_e
RUE	135.41	PKPdf	09:35:03.551	-0.1	35.4		2.82	TAS		m_e
TANN	137.54	PKPdf	09:35:07.554	0.0	35.4		2.82	TAS		m_e
TANN	137.54	SKPdf	09:38:21.656	0.1				T__		m_e
WERD	137.58	PKPdf	09:35:07.580	0.2	35.4		2.82	TAS		m_e
WERD	137.58	SKPdf	09:38:21.859	-0.1				T__		m_e
WERN	137.68	PKPdf	09:35:08.080	0.2	35.4		2.82	TAS		m_e
WERN	137.68	SKPdf	09:38:22.567	0.4				T__		m_e
WET	138.37	PKPdf	09:35:08.918	-0.1	35.4		2.82	TAS		m_e
WET	138.37	SKPdf	09:38:24.238					T__		m_e

Event 10112004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/12	14:41:11.70		0.68	-20.8000	-178.5900				574.3			13	135	146.23	150.34	m i ke	NEIC
10112067																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	148.41		PKP	14:59:53.918	0.1	18.7		2.43		TAS					a_e
BSEG	146.23		PKP	14:59:48.048		18.7		2.43		TAS					m_e
CLL	148.22		PKP	14:59:53.144	0.0	18.7		2.43		TAS					m_e
CLZ	148.24		PKP	14:59:53.612		18.7		2.43		TAS					m_e
FBE	148.50		PKP	14:59:54.468	0.4	18.7		2.43		TAS					m_e
FLT1	147.62		PKP	14:59:51.447		18.7		2.43		TAS					m_e
GEC2	150.34		PKP	14:59:58.373		18.7		2.43		TAS					m_e

MANZ	149.66	PKP	14:59:56.908	-0.2	18.7	2.43	TAS	m_e
MOX	149.15	PKP	14:59:55.513	-0.3	18.7	2.43	TAS	m_e
NEUB	148.59	PKP	14:59:54.226	0.2	18.7	2.43	TAS	m_e
PLN	149.18	PKP	14:59:55.659	-0.0	18.7	2.43	TAS	m_e
ROTZ	149.85	PKP	14:59:57.268	-0.1	18.7	2.43	TAS	m_e
TANN	149.18	PKP	14:59:55.868	0.2	18.7	2.43	TAS	a_e
WERD	149.19	PKP	14:59:55.747	0.1	18.7	2.43	TAS	m_e

Event 10112005 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/12	21:33:44.51		0.68	27.3070	141.7480				510.8			31	135	87.21	93.92	m i ke	BGR
OrigID 10112011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.4		BGR	10112011
MBB	6.7		BGR	10112011
Ms	5.7		BGR	10112011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.74		P	21:45:08.685	-0.2	42.5		4.63		TAS		191.1	1.29	a_e	mb 6.4
ASSE	90.06		P	21:44:56.185	-0.1	42.5		4.63		TAS		215.5	1.61	a_e	mb 6.1
BFO	93.92		P	21:45:13.735		42.5		4.63		TAS		244.5	1.21	a_e	mb 6.4
BFO	93.92		L	22:28:11.156						T__		2227.2	21.20	a_e	Ms 5.6
BRG	89.57		P	21:44:53.885	-0.1	42.5		4.63		TAS		435.4	1.60	a_e	mb 6.4
BSEG	88.86		P	21:44:50.735	0.1	42.5		4.63		TAS		261.1	1.04	a_e	mb 6.4
BUG	91.97		P	21:45:04.735	-0.2	42.5		4.63		TAS		152.3	1.20	a_e	mb 6.2
CLL	89.68		P	21:44:54.135	-0.3	42.5		4.63		TAS		284.8	1.14	a_e	MBB 6.5
CLL	89.68		L	22:25:36.492						T__		3157.5	20.20	a_e	Ms 5.7
CLZ	90.40		P	21:44:58.085	0.0	42.5		4.63		TAS		395.1	1.67	a_e	mb 6.4
FBE	89.80		P	21:44:55.285	-0.0	42.5		4.63		TAS		441.8	1.10	a_e	mb 6.6
FLT1	89.68		P	21:44:53.935	-0.5	42.5		4.63		TAS		132.2	1.06	a_e	mb 6.1
FUR	92.74		P	21:45:08.685	0.0	42.5		4.63		TAS		684.1	1.05	a_e	MBB 7.1
GEC2	91.13		P	21:45:00.835	0.4	42.5		4.63		TAS		231.1	1.00	a_e	MBB 6.6
GEC2	91.13		L	22:28:06.017						T__		2743.9	19.60	a_e	Ms 5.7
GRA1	91.63		P	21:45:03.835	-0.3	42.5		4.63		TAS		209.3	1.52	a_e	MBB 6.8
GRA1	91.63		L	22:34:08.438						T__		3341.2	18.30	a_e	Ms 5.8
GTTG	90.79		P	21:44:59.685	0.2	42.5		4.63		TAS		254.3	1.58	a_e	mb 6.3
GUNZ	90.65		P	21:44:59.085	0.2	42.5		4.63		TAS		230.8	1.03	a_e	mb 6.5
IBBN	91.11		P	21:45:01.035	-0.0	42.5		4.63		TAS		357.0	1.08	a_e	mb 6.6
MANZ	91.03		P	21:45:00.885	-0.4	42.5		4.63		TAS		179.5	1.14	a_e	mb 6.3
MOX	90.76		P	21:44:59.485	0.1	42.5		4.63		TAS		205.0	1.26	a_e	MBB 6.5
MOX	90.76		L	22:26:17.913						T__		3141.0	21.40	a_e	Ms 5.7
NEUB	90.29		P	21:44:57.185	0.3	42.5		4.63		TAS		286.2	1.02	a_e	mb 6.4
NRDL	90.02		P	21:44:56.035	-0.1	42.5		4.63		TAS		119.2	1.30	a_e	mb 6.0
PLN	90.64		P	21:44:59.035	0.1	42.5		4.63		TAS		152.4	1.15	a_e	mb 6.2

RGN	87.21	P	21:44:42.985	-0.0	42.5	4.63	TAS	628.3	1.85	a_e	mb	6.4
RJOB	92.35	P	21:45:06.635	0.1	42.5	4.63	TAS	275.1	0.95	a_e	mb	6.6
ROTZ	91.14	P	21:45:01.685	-0.0	42.5	4.63	TAS	471.8	1.45	a_e	mb	6.6
RUE	88.50	P	21:44:49.035	0.0	42.5	4.63	TAS	280.1	1.43	m_e	mb	6.4
STU	93.21	P	21:45:10.635	0.3	42.5	4.63	TAS	327.8	1.13	a_e	mb	6.7
TANN	90.56	P	21:44:58.585	0.0	42.5	4.63	TAS	177.9	1.45	a_e	mb	6.1
WERD	90.60	P	21:44:58.785	0.1	42.5	4.63	TAS	182.0	1.15	a_e	mb	6.2
WERN	90.69	P	21:44:59.335	0.0	42.5	4.63	TAS	303.9	1.13	a_e	mb	6.5
WET	91.29	P	21:45:01.935	0.3	42.5	4.63	TAS	322.5	1.43	a_e	mb	6.5
WET	91.29	pP	21:46:55.416				T__				m_e	
WET	91.29	L	22:28:40.820				T__	2481.5	19.70	a_e	Ms	5.7
WLF	93.80	P	21:45:13.885	-0.3	42.5	4.63	TAS	315.6	1.32	a_e	mb	6.5

Event 10113001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	06:00:42.10			-18.9000	169.4400				259.7			24		142.65	146.88	m i ke	NEIC
	10113063																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.88		PKPbc	06:19:53.876		37.4		3.22		TAS					m_e
BRG	142.65		PKPbc	06:19:40.400	0.2	37.4		3.22		TAS					m_e
BUG	144.61		PKPbc	06:19:46.728		37.4		3.22		TAS					m_e
CLL	142.69		PKPbc	06:19:40.381	-0.1	37.4		3.22		TAS					m_e
CLZ	143.24		PKPbc	06:19:42.733	0.3	37.4		3.22		TAS					m_e
FBE	142.85		PKPbc	06:19:41.420	0.1	37.4		3.22		TAS					m_e
FUR	145.85		PKPbc	06:19:51.262		37.4		3.22		TAS					m_e
GEC2	144.28		PKPbc	06:19:46.164	0.3	37.4		3.22		TAS					m_e
GRA1	144.66		PKPbc	06:19:47.669		37.4		3.22		TAS					m_e
GTTG	143.62		PKPbc	06:19:44.031	0.3	37.4		3.22		TAS					m_e
GUNZ	143.69		PKPbc	06:19:44.468	-0.4	37.4		3.22		TAS					m_e
IBBN	143.71		PKPbc	06:19:44.124	0.2	37.4		3.22		TAS					m_e
MANZ	144.08		PKPbc	06:19:45.623	0.0	37.4		3.22		TAS					m_e
MOX	143.75		PKPbc	06:19:44.242	0.4	37.4		3.22		TAS					m_e
NEUB	143.25		PKPbc	06:19:42.609	-0.1	37.4		3.22		TAS					m_e
PLN	143.67		PKPbc	06:19:44.183	0.0	37.4		3.22		TAS					m_e
RJOB	145.51		PKPbc	06:19:50.047		37.4		3.22		TAS					m_e
ROTZ	144.21		PKPbc	06:19:46.313	0.0	37.4		3.22		TAS					m_e
STU	146.19		PKPbc	06:19:52.205		37.4		3.22		TAS					m_e
TANN	143.60		PKPbc	06:19:43.937	0.4	37.4		3.22		TAS					m_e
WERD	143.64		PKPbc	06:19:44.124	-0.2	37.4		3.22		TAS					m_e
WERN	143.74		PKPbc	06:19:44.637	-0.3	37.4		3.22		TAS					m_e
WET	144.41		PKPbc	06:19:46.672	-0.5	37.4		3.22		TAS					m_e
WLF	146.50		PKPbc	06:19:53.538		37.4		3.22		TAS					m_e

Event 10113003 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	09:22:26.10		0.51	64.5940	-16.9080				10.0			16	295	20.06	22.70	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10113009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	21.20		P	09:27:12.049		325.6		12.10		TAS		37.3	1.36	m_e mb	4.5
BRG	21.15		P	09:27:11.180		325.6		12.10		TAS		44.3	1.50	m_e mb	4.6
CLL	20.44		P	09:27:03.567	2.7	325.6		12.10		TAS		33.2	1.49	m_e mb	4.3
FBE	20.89		P	09:27:08.589		325.6		12.10		TAS		32.3	1.40	m_e mb	4.5
GEC2	22.70		P	09:27:33.458		325.6		12.10		TAS		21.4	1.31	m_e mb	4.5
GRA1	21.08		P	09:27:10.728		325.6		12.10		TAS		41.0	1.37	m_e mb	4.6
GUNZ	20.94		P	09:27:09.025		325.6		12.10		TAS		49.3	1.67	m_e mb	4.6
MANZ	21.17		P	09:27:11.060		325.6		12.10		TAS		16.2	1.12	m_e mb	4.3
MOX	20.45		P	09:27:03.845	-2.2	325.6		12.10		TAS		39.0	1.56	m_e mb	4.4
NEUB	20.06		P	09:26:59.633	-1.0	325.6		12.10		TAS				m_e	
PLN	20.78		P	09:27:07.378		325.6		12.10		TAS		48.6	1.45	m_e mb	4.6
ROTZ	21.38		P	09:27:13.850		325.6		12.10		TAS		13.7	1.20	m_e mb	4.2
TANN	20.95		P	09:27:09.129		325.6		12.10		TAS		31.3	1.44	m_e mb	4.4
WERD	20.87		P	09:27:08.181		325.6		12.10		TAS		30.3	1.39	m_e mb	4.4
WERN	21.02		P	09:27:09.954		325.6		12.10		TAS		35.0	1.45	m_e mb	4.5
WET	22.14		P	09:27:21.918		325.6		12.10		TAS		40.1	1.87	m_e mb	4.5

Event 10113004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	10:41:42.20		1.75	-22.2300	-179.1900				551.0			21	161	147.53	153.27	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.19		PKPbc	11:00:28.458	-0.0	17.1		2.34		TAS				m_e	
BFO	153.27		PKPab	11:00:52.342		17.8		4.27		TAS				m_e	
BRG	149.62		PKPbc	11:00:29.744	0.1	17.1		2.34		TAS				m_e	
BSEG	147.53		PKPbc	11:00:24.402	-0.2	17.1		2.34		TAS				m_e	
BSEG	147.53		PKPab	11:00:28.407	-0.3	17.8		4.27		TAS				m_e	
BUG	150.41		PKPbc	11:00:31.140	0.0	17.1		2.34		TAS				m_e	

CLL	149.46	PKPbc	11:00:29.187	0.4	17.1	2.34	TAS	m_e
CLL	149.46	PKPab	11:00:36.241	-0.2	17.8	4.27	TAS	m_e
CLZ	149.53	PKPbc	11:00:29.622	0.4	17.1	2.34	TAS	m_e
FBE	149.73	PKPbc	11:00:30.381	0.1	17.1	2.34	TAS	m_e
FBE	149.73	PKPab	11:00:38.007	0.1	17.8	4.27	TAS	m_e
FLT1	148.89	PKPbc	11:00:27.589	-0.0	17.1	2.34	TAS	m_e
FLT1	148.89	PKPab	11:00:33.628	0.2	17.8	4.27	TAS	m_e
FUR	152.80	PKPab	11:00:51.032		17.8	4.27	TAS	m_e
GEC2	151.53	PKPbc	11:00:33.841		17.1	2.34	TAS	m_e
GEC2	151.53	PKPab	11:00:45.421		17.8	4.27	TAS	m_e
GRA1	151.38	PKPab	11:00:44.963		17.8	4.27	TAS	m_e
GTTG	149.88	PKPbc	11:00:30.169	-0.2	17.1	2.34	TAS	m_e
GTTG	149.88	PKPab	11:00:38.289	-0.1	17.8	4.27	TAS	m_e
GUNZ	150.50	PKPbc	11:00:31.838	0.1	17.1	2.34	TAS	m_e
GUNZ	150.50	PKPab	11:00:41.081	0.2	17.8	4.27	TAS	m_e
IBBN	149.50	PKPbc	11:00:29.167	-0.1	17.1	2.34	TAS	m_e
IBBN	149.50	PKPab	11:00:36.494	0.1	17.8	4.27	TAS	m_e
MANZ	150.90	PKPbc	11:00:32.718	-0.6	17.1	2.34	TAS	m_e
MANZ	150.90	PKPab	11:00:42.597		17.8	4.27	TAS	m_e
MOX	150.40	PKPbc	11:00:31.284	0.1	17.1	2.34	TAS	m_e
MOX	150.40	PKPab	11:00:40.266	0.2	17.8	4.27	TAS	m_e
NEUB	149.85	PKPbc	11:00:30.138	-0.1	17.1	2.34	TAS	m_e
NEUB	149.85	PKPab	11:00:37.906	0.2	17.8	4.27	TAS	m_e
NRDL	148.95	PKPbc	11:00:27.850	-0.1	17.1	2.34	TAS	m_e
PLN	150.43	PKPbc	11:00:31.535	0.1	17.1	2.34	TAS	m_e
PLN	150.43	PKPab	11:00:40.658	-0.5	17.8	4.27	TAS	m_e
RJOB	152.79	PKPab	11:00:51.353		17.8	4.27	TAS	m_e
ROTZ	151.08	PKPbc	11:00:33.052		17.1	2.34	TAS	m_e
ROTZ	151.08	PKPab	11:00:43.693		17.8	4.27	TAS	m_e
RUE	148.20	PKPbc	11:00:26.162	-0.0	17.1	2.34	TAS	m_e
TANN	150.42	PKPbc	11:00:31.565	0.1	17.1	2.34	TAS	m_e
TANN	150.42	PKPab	11:00:40.729	0.1	17.8	4.27	TAS	m_e
WERD	150.43	PKPbc	11:00:31.595	0.3	17.1	2.34	TAS	m_e
WERD	150.43	PKPab	11:00:40.658	0.2	17.8	4.27	TAS	m_e
WERN	150.56	PKPbc	11:00:32.111	-0.0	17.1	2.34	TAS	m_e
WERN	150.56	PKPab	11:00:41.505	-0.2	17.8	4.27	TAS	m_e
WET	151.48	PKPab	11:00:45.563		17.8	4.27	TAS	m_e

Event 10113014 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	16:16:44.36		1.08	-19.5780	169.7850				33.0				315	143.28	147.63	m i ke	BGR
10113020																	

Magnitude	Err	Nsta	Author	OrigID
Ms	7.1		BGR	10113020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.19		PKPbc	16:36:25.232		37.3		3.14		TAS				m_e	
ASSE	143.64		PKPbc	16:36:16.861		37.3		3.14		TAS				a_e	
BFO	147.63		PKPbc	16:36:28.637		37.3		3.14		TAS				m_e	
BRG	143.40		PKPbc	16:36:15.711		37.3		3.14		TAS				a_e	
BUG	145.35		PKPbc	16:36:22.447		37.3		3.14		TAS				m_e	
CLL	143.44		PKPbc	16:36:15.661		37.3		3.14		TAS				m_e	
CLZ	143.99		PKPbc	16:36:18.311		37.3		3.14		TAS				a_e	
FBE	143.60		PKPbc	16:36:16.661		37.3		3.14		TAS				a_e	
FLT1	143.28		PKPbc	16:36:15.161		37.3		3.14		TAS				a_e	
FUR	146.60		PKPbc	16:36:26.067		37.3		3.14		TAS				m_e	
GEC2	145.03		PKPbc	16:36:21.219		37.3		3.14		TAS				m_e	
GRA1	145.41		PKPbc	16:36:22.921		37.3		3.14		TAS				m_e	
GRA1	145.41		L	17:45:15.244						T__		27240.3	19.90	a_e Ms	7.0
GTTG	144.37		PKPbc	16:36:19.511		37.3		3.14		TAS				m_e	
GUNZ	144.44		PKPbc	16:36:19.661		37.3		3.14		TAS				a_e	
IBBN	144.45		PKPbc	16:36:19.789		37.3		3.14		TAS				m_e	
MANZ	144.83		PKPbc	16:36:20.891		37.3		3.14		TAS				m_e	
MOX	144.50		PKPbc	16:36:19.656		37.3		3.14		TAS				m_e	
MOX	144.50		L	17:44:26.395						T__		29106.7	19.70	a_e Ms	7.1
NEUB	144.00		PKPbc	16:36:18.011		37.3		3.14		TAS				a_e	
NRDL	143.53		PKPbc	16:36:16.411		37.3		3.14		TAS				a_e	
PLN	144.41		PKPbc	16:36:19.511		37.3		3.14		TAS				a_e	
RJOB	146.26		PKPbc	16:36:24.691		37.3		3.14		TAS				m_e	
ROTZ	144.96		PKPbc	16:36:21.536		37.3		3.14		TAS				m_e	
STU	146.94		PKPbc	16:36:27.211		37.3		3.14		TAS				a_e	
TANN	144.35		PKPbc	16:36:19.261		37.3		3.14		TAS				a_e	
WERD	144.39		PKPbc	16:36:19.361		37.3		3.14		TAS				a_e	
WERN	144.49		PKPbc	16:36:19.945		37.3		3.14		TAS				m_e	
WET	145.16		PKPbc	16:36:21.961		37.3		3.14		TAS				a_e	
WLF	147.25		PKPbc	16:36:28.761		37.3		3.14		TAS				a_e	

Event 10113009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	16:30:38.20		1.08	-19.7600	168.6000				47.8			20	315	143.71	147.34	m i ke	NEIC
	10113071																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.34		PKPbc	16:50:16.508		39.3		3.07		TAS				m_e	
BUG	145.14		PKPbc	16:50:10.209		39.3		3.07		TAS				m_e	
CLZ	143.73		PKPbc	16:50:05.956	0.3	39.3		3.07		TAS				m_e	
GEC2	144.66		PKPbc	16:50:08.889		39.3		3.07		TAS				m_e	

GRA1	145.10	PKPbc	16:50:10.689		39.3		3.07	TAS		m_e
GTTG	144.12	PKPbc	16:50:07.237	0.3	39.3		3.07	TAS		m_e
GUNZ	144.12	PKPbc	16:50:07.395	-0.2	39.3		3.07	TAS		m_e
IBBN	144.25	PKPbc	16:50:07.443	-0.6	39.3		3.07	TAS		m_e
MANZ	144.51	PKPbc	16:50:08.568		39.3		3.07	TAS		m_e
MOX	144.20	PKPbc	16:50:07.333	0.4	39.3		3.07	TAS		m_e
NEUB	143.71	PKPbc	16:50:05.748	0.1	39.3		3.07	TAS		m_e
PLN	144.10	PKPbc	16:50:07.171	0.4	39.3		3.07	TAS		m_e
ROTZ	144.63	PKPbc	16:50:09.241		39.3		3.07	TAS		m_e
STU	146.65	PKPbc	16:50:14.950		39.3		3.07	TAS		m_e
TANN	144.03	PKPbc	16:50:06.915	-0.3	39.3		3.07	TAS		m_e
TNS	145.75	PKPbc	16:50:12.544		39.3		3.07	TAS		m_e
WERD	144.07	PKPbc	16:50:07.075	0.0	39.3		3.07	TAS		m_e
WERN	144.16	PKPbc	16:50:07.590	-0.0	39.3		3.07	TAS		m_e
WET	144.81	PKPbc	16:50:09.554		39.3		3.07	TAS		m_e
WLF	147.03	PKPbc	16:50:16.542		39.3		3.07	TAS		m_e

Event 10113010 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	16:38:52.10		1.08	-20.1400	168.5600				5.1			19	315	144.04	147.67	m i ke	NEIC
10113072																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.67		PKPbc	16:58:37.537		39.6		3.07		TAS					m_e
BUG	145.48		PKPbc	16:58:31.186		39.6		3.07		TAS					m_e
CLZ	144.06		PKPbc	16:58:26.916	0.3	39.6		3.07		TAS					m_e
GEC2	144.97		PKPbc	16:58:29.872		39.6		3.07		TAS					m_e
GRA1	145.42		PKPbc	16:58:31.734		39.6		3.07		TAS					m_e
GTTG	144.45		PKPbc	16:58:28.339	0.0	39.6		3.07		TAS					m_e
GUNZ	144.45		PKPbc	16:58:28.339	-0.2	39.6		3.07		TAS					m_e
IBBN	144.59		PKPbc	16:58:28.449		39.6		3.07		TAS					m_e
MANZ	144.83		PKPbc	16:58:29.653		39.6		3.07		TAS					m_e
MOX	144.53		PKPbc	16:58:28.449	-0.5	39.6		3.07		TAS					m_e
NEUB	144.04		PKPbc	16:58:26.587	0.2	39.6		3.07		TAS					m_e
PLN	144.43		PKPbc	16:58:28.339	0.5	39.6		3.07		TAS					m_e
ROTZ	144.95		PKPbc	16:58:30.201		39.6		3.07		TAS					m_e
STU	146.97		PKPbc	16:58:36.004		39.6		3.07		TAS					m_e
TANN	144.35		PKPbc	16:58:27.901	-0.4	39.6		3.07		TAS					m_e
WERD	144.39		PKPbc	16:58:28.011	0.1	39.6		3.07		TAS					m_e
WERN	144.49		PKPbc	16:58:28.668	0.4	39.6		3.07		TAS					m_e
WET	145.12		PKPbc	16:58:30.639		39.6		3.07		TAS					m_e
WLF	147.37		PKPbc	16:58:37.537		39.6		3.07		TAS					m_e

Event 10113017 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	16:43:12.58		1.08	-20.1710	170.0090				39.6	0.5			315	143.90	148.26	m i ke	BGR
OrigID 10113023																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.82		PKPbc	17:02:50.761		37.4		3.20		TAS					m_e
ASSE	144.27		PKPbc	17:02:42.235		37.4		3.20		TAS					m_e
ASSE	144.27		pPKPbc	17:02:54.109						T__					m_e
BFO	148.26		PKPbc	17:02:54.168		37.4		3.20		TAS					m_e
BFO	148.26		pPKPbc	17:03:06.072						T__					m_e
BRG	144.02		PKPbc	17:02:40.971		37.4		3.20		TAS					m_e
BRG	144.02		pPKPbc	17:02:52.815						T__					m_e
BUG	145.98		PKPbc	17:02:47.904		37.4		3.20		TAS					m_e
BUG	145.98		pPKPbc	17:02:59.880						T__					m_e
CLL	144.06		PKPbc	17:02:40.981		37.4		3.20		TAS					m_e
CLL	144.06		pPKPbc	17:02:52.850						T__					m_e
CLZ	144.61		PKPbc	17:02:43.605		37.4		3.20		TAS					m_e
CLZ	144.61		pPKPbc	17:02:55.613						T__					m_e
FBE	144.22		PKPbc	17:02:41.986		37.4		3.20		TAS					m_e
FBE	144.22		pPKPbc	17:02:53.934						T__					m_e
FLT1	143.90		PKPbc	17:02:40.426		37.4		3.20		TAS					m_e
FLT1	143.90		pPKPbc	17:02:52.387						T__					m_e
FUR	147.22		PKPbc	17:02:51.667		37.4		3.20		TAS					m_e
FUR	147.22		pPKPbc	17:03:03.483						T__					m_e
GEC2	145.65		PKPbc	17:02:46.546		37.4		3.20		TAS					m_e
GEC2	145.65		pPKPbc	17:02:58.271						T__					m_e
GRA1	146.04		PKPbc	17:02:48.441		37.4		3.20		TAS					m_e
GRA1	146.04		pPKPbc	17:03:00.195						T__					m_e
GTTG	145.00		PKPbc	17:02:44.794		37.4		3.20		TAS					m_e
GTTG	145.00		pPKPbc	17:02:56.732						T__					m_e
GUNZ	145.07		PKPbc	17:02:44.965		37.4		3.20		TAS					m_e
GUNZ	145.07		pPKPbc	17:02:56.837						T__					m_e
IBBN	145.08		PKPbc	17:02:45.045		37.4		3.20		TAS					m_e
IBBN	145.08		pPKPbc	17:02:57.082						T__					m_e
MANZ	145.45		PKPbc	17:02:46.228		37.4		3.20		TAS					m_e
MANZ	145.45		pPKPbc	17:02:58.062						T__					m_e
MOX	145.13		PKPbc	17:02:44.963		37.4		3.20		TAS					m_e
MOX	145.13		pPKPbc	17:02:56.837						T__					m_e
NEUB	144.63		PKPbc	17:02:43.285		37.4		3.20		TAS					m_e
NEUB	144.63		pPKPbc	17:02:55.298						T__					m_e
NRDL	144.16		PKPbc	17:02:41.827		37.4		3.20		TAS					m_e
NRDL	144.16		pPKPbc	17:02:53.654						T__					m_e

PLN	145.04	PKPbc	17:02:44.844	37.4	3.20	TAS	m_e
PLN	145.04	pPKPbc	17:02:56.697			T__	m_e
RJOB	146.88	PKPbc	17:02:50.084	37.4	3.20	TAS	m_e
ROTZ	145.58	PKPbc	17:02:46.905	37.4	3.20	TAS	m_e
ROTZ	145.58	pPKPbc	17:02:58.726			T__	m_e
STU	147.57	PKPbc	17:02:52.647	37.4	3.20	TAS	m_e
STU	147.57	pPKPbc	17:03:04.463			T__	m_e
TANN	144.97	PKPbc	17:02:44.585	37.4	3.20	TAS	m_e
TANN	144.97	pPKPbc	17:02:56.418			T__	m_e
TNS	146.63	PKPbc	17:02:50.144	37.4	3.20	TAS	m_e
TNS	146.63	pPKPbc	17:03:02.084			T__	m_e
WERD	145.01	PKPbc	17:02:44.635	37.4	3.20	TAS	m_e
WERD	145.01	pPKPbc	17:02:56.558			T__	m_e
WERN	145.11	PKPbc	17:02:45.192	37.4	3.20	TAS	m_e
WERN	145.11	pPKPbc	17:02:57.082			T__	m_e
WET	145.78	PKPbc	17:02:47.352	37.4	3.20	TAS	m_e
WET	145.78	pPKPbc	17:02:59.216			T__	m_e
WLF	147.88	PKPbc	17:02:54.114	37.4	3.20	TAS	m_e
WLF	147.88	pPKPbc	17:03:06.072			T__	m_e

Event 10113015 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	16:57:32.96		1.08	-20.4440	169.8160				33.9	2.3			315	144.79	148.43	m i ke	BGR
OrigID 10113021																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.43		PKPbc	17:17:15.084		37.9		3.04		TAS					m_e
BFO	148.43		pPKPbc	17:17:25.281						T__					m_e
CLZ	144.79		PKPbc	17:17:04.628		37.9		3.04		TAS					m_e
CLZ	144.79		pPKPbc	17:17:15.070						T__					m_e
GEC2	145.80		PKPbc	17:17:07.491		37.9		3.04		TAS					m_e
GEC2	145.80		pPKPbc	17:17:17.793						T__					m_e
GRA1	146.21		PKPbc	17:17:09.317		37.9		3.04		TAS					m_e
GRA1	146.21		pPKPbc	17:17:19.684						T__					m_e
GTTG	145.18		PKPbc	17:17:05.934		37.9		3.04		TAS					m_e
GTTG	145.18		pPKPbc	17:17:16.205						T__					m_e
GUNZ	145.24		PKPbc	17:17:06.037		37.9		3.04		TAS					m_e
GUNZ	145.24		pPKPbc	17:17:16.205						T__					m_e
IBBN	145.27		PKPbc	17:17:06.163		37.9		3.04		TAS					m_e
IBBN	145.27		pPKPbc	17:17:16.432						T__					m_e
MANZ	145.62		PKPbc	17:17:07.224		37.9		3.04		TAS					m_e
MANZ	145.62		pPKPbc	17:17:17.566						T__					m_e
MOX	145.30		PKPbc	17:17:05.997		37.9		3.04		TAS					m_e

MOX	145.30	pPKPbc	17:17:16.205							T__						m_e
NEUB	144.80	PKPbc	17:17:04.417	37.9		3.04				TAS						m_e
NEUB	144.80	pPKPbc	17:17:14.675							T__						m_e
PLN	145.21	PKPbc	17:17:05.737	37.9		3.04				TAS						m_e
PLN	145.21	pPKPbc	17:17:15.297							T__						m_e
ROTZ	145.75	PKPbc	17:17:07.882	37.9		3.04				TAS						m_e
ROTZ	145.75	pPKPbc	17:17:18.171							T__						m_e
STU	147.74	PKPbc	17:17:13.515	37.9		3.04				TAS						m_e
STU	147.74	pPKPbc	17:17:23.012							T__						m_e
TANN	145.14	PKPbc	17:17:05.564	37.9		3.04				TAS						m_e
TANN	145.14	pPKPbc	17:17:15.902							T__						m_e
TNS	146.82	PKPbc	17:17:11.178	37.9		3.04				TAS						m_e
TNS	146.82	pPKPbc	17:17:21.499							T__						m_e
WERD	145.18	PKPbc	17:17:05.706	37.9		3.04				TAS						m_e
WERD	145.18	pPKPbc	17:17:15.978							T__						m_e
WERN	145.28	PKPbc	17:17:06.226	37.9		3.04				TAS						m_e
WERN	145.28	pPKPbc	17:17:16.356							T__						m_e
WET	145.94	PKPbc	17:17:08.150	37.9		3.04				TAS						m_e
WET	145.94	pPKPbc	17:17:18.474							T__						m_e
WLF	148.07	PKPbc	17:17:15.156	37.9		3.04				TAS						m_e
WLF	148.07	pPKPbc	17:17:25.433							T__						m_e

Event 10113016 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	17:09:35.92		1.08	-20.1010	170.1710				37.6	0.3			315	144.02	147.86	m i ke	BGR
10113022																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.81		PKPbc	17:29:13.916		37.1		3.27		TAS					m_e
BRG	144.02		PKPbc	17:29:04.295		37.1		3.27		TAS					m_e
BUG	145.96		PKPbc	17:29:11.213		37.1		3.27		TAS					m_e
BUG	145.96		pPKPbc	17:29:22.525						T__					m_e
CLL	144.06		PKPbc	17:29:04.279		37.1		3.27		TAS					m_e
CLZ	144.60		PKPbc	17:29:06.836		37.1		3.27		TAS					m_e
FBE	144.23		PKPbc	17:29:05.301		37.1		3.27		TAS					m_e
FUR	147.22		PKPbc	17:29:14.964		37.1		3.27		TAS					m_e
GEC2	145.66		PKPbc	17:29:09.812		37.1		3.27		TAS					m_e
GEC2	145.66		pPKPbc	17:29:21.128						T__					m_e
GRA1	146.04		PKPbc	17:29:11.778		37.1		3.27		TAS					m_e
GRA1	146.04		pPKPbc	17:29:22.968						T__					m_e
GTTG	144.99		PKPbc	17:29:08.146		37.1		3.27		TAS					m_e
GTTG	144.99		pPKPbc	17:29:19.332						T__					m_e
GUNZ	145.07		PKPbc	17:29:08.289		37.1		3.27		TAS					m_e

GUNZ	145.07	pPKPbc	17:29:19.598							T__						m_e
IBBN	145.06	PKPbc	17:29:08.337	37.1		3.27				TAS						m_e
IBBN	145.06	pPKPbc	17:29:19.665							T__						m_e
MANZ	145.45	PKPbc	17:29:09.490	37.1		3.27				TAS						m_e
MANZ	145.45	pPKPbc	17:29:20.796							T__						m_e
MOX	145.12	PKPbc	17:29:08.242	37.1		3.27				TAS						m_e
MOX	145.12	pPKPbc	17:29:19.532							T__						m_e
NEUB	144.62	PKPbc	17:29:06.613	37.1		3.27				TAS						m_e
NEUB	144.62	pPKPbc	17:29:17.935							T__						m_e
PLN	145.04	PKPbc	17:29:08.049	37.1		3.27				TAS						m_e
PLN	145.04	pPKPbc	17:29:19.378							T__						m_e
ROTZ	145.59	PKPbc	17:29:10.191	37.1		3.27				TAS						m_e
ROTZ	145.59	pPKPbc	17:29:21.439							T__						m_e
STU	147.57	PKPbc	17:29:15.969	37.1		3.27				TAS						m_e
TANN	144.98	PKPbc	17:29:07.869	37.1		3.27				TAS						m_e
TANN	144.98	pPKPbc	17:29:19.133							T__						m_e
TNS	146.62	PKPbc	17:29:13.552	37.1		3.27				TAS						m_e
WERD	145.01	PKPbc	17:29:08.003	37.1		3.27				TAS						m_e
WERD	145.01	pPKPbc	17:29:19.266							T__						m_e
WERN	145.11	PKPbc	17:29:08.385	37.1		3.27				TAS						m_e
WERN	145.11	pPKPbc	17:29:19.777							T__						m_e
WET	145.79	PKPbc	17:29:10.565	37.1		3.27				TAS						m_e
WLF	147.86	PKPbc	17:29:17.483	37.1		3.27				TAS						m_e
WLF	147.86	pPKPbc	17:29:28.751							T__						m_e

Event 10113018 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	17:26:10.13		1.08	-20.4080	169.4690				34.6	0.5		25	315	144.06	148.27	m i ke	BGR
10113024																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.87		PKPbc	17:45:48.343		38.4		3.08		TAS					m_e
AHRW	146.87		pPKPbc	17:45:58.597						T__					m_e
BFO	148.27		PKPbc	17:45:51.768		38.4		3.08		TAS					m_e
BFO	148.27		pPKPbc	17:46:02.222						T__					m_e
BUG	146.03		PKPbc	17:45:45.606		38.4		3.08		TAS					m_e
BUG	146.03		pPKPbc	17:45:55.947						T__					m_e
CLL	144.06		PKPbc	17:45:38.694	0.1	38.4		3.08		TAS					m_e
CLL	144.06		pPKPbc	17:45:48.985						T__					m_e
CLZ	144.64		PKPbc	17:45:41.337	-0.2	38.4		3.08		TAS					m_e
CLZ	144.64		pPKPbc	17:45:51.729						T__					m_e
FBE	144.22		PKPbc	17:45:39.685	0.2	38.4		3.08		TAS					m_e
FBE	144.22		pPKPbc	17:45:50.015						T__					m_e

FUR	147.20	PKPbc	17:45:49.146		38.4		3.08	TAS	m_e
FUR	147.20	pPKPbc	17:45:59.565					T__	m_e
GEC2	145.62	PKPbc	17:45:44.169	0.0	38.4		3.08	TAS	m_e
GEC2	145.62	pPKPbc	17:45:54.520					T__	m_e
GRA1	146.03	PKPbc	17:45:45.993	-0.6	38.4		3.08	TAS	m_e
GRA1	146.03	pPKPbc	17:45:56.525					T__	m_e
GTTG	145.03	PKPbc	17:45:42.581	0.5	38.4		3.08	TAS	m_e
GTTG	145.03	pPKPbc	17:45:53.062					T__	m_e
GUNZ	145.06	PKPbc	17:45:42.646	0.2	38.4		3.08	TAS	m_e
GUNZ	145.06	pPKPbc	17:45:53.057					T__	m_e
IBBN	145.13	PKPbc	17:45:42.870	-0.5	38.4		3.08	TAS	m_e
IBBN	145.13	pPKPbc	17:45:53.314					T__	m_e
MANZ	145.44	PKPbc	17:45:43.868	0.0	38.4		3.08	TAS	m_e
MANZ	145.44	pPKPbc	17:45:54.220					T__	m_e
MOX	145.13	PKPbc	17:45:42.712	0.3	38.4		3.08	TAS	m_e
MOX	145.13	pPKPbc	17:45:52.997					T__	m_e
NEUB	144.64	PKPbc	17:45:41.037	0.0	38.4		3.08	TAS	m_e
NEUB	144.64	pPKPbc	17:45:51.472					T__	m_e
PLN	145.04	PKPbc	17:45:42.517	-0.2	38.4		3.08	TAS	m_e
PLN	145.04	pPKPbc	17:45:52.907					T__	m_e
RJOB	146.84	PKPbc	17:45:47.700		38.4		3.08	TAS	m_e
ROTZ	145.57	PKPbc	17:45:44.555	0.0	38.4		3.08	TAS	m_e
ROTZ	145.57	pPKPbc	17:45:54.941					T__	m_e
STU	147.57	PKPbc	17:45:50.248		38.4		3.08	TAS	m_e
STU	147.57	pPKPbc	17:46:00.721					T__	m_e
TANN	144.97	PKPbc	17:45:42.260	0.2	38.4		3.08	TAS	m_e
TANN	144.97	pPKPbc	17:45:52.586					T__	m_e
TNS	146.66	PKPbc	17:45:47.838		38.4		3.08	TAS	m_e
TNS	146.66	pPKPbc	17:45:58.152					T__	m_e
WERD	145.01	PKPbc	17:45:42.345	0.5	38.4		3.08	TAS	m_e
WERD	145.01	pPKPbc	17:45:52.693					T__	m_e
WERN	145.10	PKPbc	17:45:42.903	-0.2	38.4		3.08	TAS	m_e
WERN	145.10	pPKPbc	17:45:53.271					T__	m_e
WET	145.76	PKPbc	17:45:44.898	0.2	38.4		3.08	TAS	m_e
WET	145.76	pPKPbc	17:45:55.176					T__	m_e
WLF	147.92	PKPbc	17:45:51.828		38.4		3.08	TAS	m_e
WLF	147.92	pPKPbc	17:46:02.220					T__	m_e

Event 10113019 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	21:32:40.60		1.08	-20.6650	169.7960				37.5	0.4		16	315	145.33	148.63	m i ke	BGR
10113025																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.63		PKPbc	21:52:23.806		38.1		3.01		TAS				m_e	
BFO	148.63		pPKPbc	21:52:35.110						T__				m_e	
GEC2	145.99		PKPbc	21:52:16.257		38.1		3.01		TAS				m_e	
GEC2	145.99		pPKPbc	21:52:27.393						T__				m_e	
GTTG	145.38		PKPbc	21:52:14.671		38.1		3.01		TAS				m_e	
GTTG	145.38		pPKPbc	21:52:25.830						T__				m_e	
GUNZ	145.43		PKPbc	21:52:14.755	-0.5	38.1		3.01		TAS				m_e	
GUNZ	145.43		pPKPbc	21:52:26.071						T__				m_e	
IBBN	145.47		PKPbc	21:52:14.896		38.1		3.01		TAS				m_e	
IBBN	145.47		pPKPbc	21:52:26.215						T__				m_e	
MANZ	145.81		PKPbc	21:52:15.999		38.1		3.01		TAS				m_e	
MANZ	145.81		pPKPbc	21:52:27.195						T__				m_e	
MOX	145.49		PKPbc	21:52:14.755		38.1		3.01		TAS				m_e	
MOX	145.49		pPKPbc	21:52:25.995						T__				m_e	
PLN	145.40		PKPbc	21:52:14.500	0.4	38.1		3.01		TAS				m_e	
PLN	145.40		pPKPbc	21:52:25.753						T__				m_e	
ROTZ	145.94		PKPbc	21:52:16.621		38.1		3.01		TAS				m_e	
ROTZ	145.94		pPKPbc	21:52:27.834						T__				m_e	
STU	147.94		PKPbc	21:52:22.306		38.1		3.01		TAS				m_e	
STU	147.94		pPKPbc	21:52:33.558						T__				m_e	
TANN	145.33		PKPbc	21:52:14.330	0.2	38.1		3.01		TAS				m_e	
TANN	145.33		pPKPbc	21:52:25.510						T__				m_e	
TNS	147.01		PKPbc	21:52:19.817		38.1		3.01		TAS				m_e	
TNS	147.01		pPKPbc	21:52:31.189						T__				m_e	
WERD	145.37		PKPbc	21:52:14.444	0.1	38.1		3.01		TAS				m_e	
WERD	145.37		pPKPbc	21:52:25.705						T__				m_e	
WERN	145.47		PKPbc	21:52:14.924		38.1		3.01		TAS				m_e	
WERN	145.47		pPKPbc	21:52:26.204						T__				m_e	
WET	146.13		PKPbc	21:52:16.932		38.1		3.01		TAS				m_e	
WLF	148.27		PKPbc	21:52:23.891		38.1		3.01		TAS				m_e	
WLF	148.27		pPKPbc	21:52:35.209						T__				m_e	

Event 10113020 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/13	23:04:44.43		1.08	-20.4480	169.4890				38.0	0.6		13	315	144.68	148.31	m i ke	BGR
10113026																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10113026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.31		PKPbc	23:24:27.219		38.4		3.06		TAS				m_e	
BFO	148.31		pPKPbc	23:24:38.629						T__				m_e	
GEC2	145.66		PKPbc	23:24:19.262	-0.0	38.4		3.06		TAS				m_e	

GEC2	145.66	pPKPbc	23:24:30.749							T__	m_e
GTTG	145.07	PKPbc	23:24:17.898	38.4		3.06				TAS	m_e
GTTG	145.07	pPKPbc	23:24:29.250							T__	m_e
GUNZ	145.11	PKPbc	23:24:17.882	0.1	38.4	3.06				TAS	m_e
GUNZ	145.11	pPKPbc	23:24:29.250							T__	m_e
IBBN	145.17	PKPbc	23:24:18.019	38.4		3.06				TAS	m_e
IBBN	145.17	pPKPbc	23:24:29.454							T__	m_e
MANZ	145.49	PKPbc	23:24:19.193	38.4		3.06				TAS	m_e
MANZ	145.49	pPKPbc	23:24:30.408							T__	m_e
MOX	145.17	PKPbc	23:24:17.882	38.4		3.06				TAS	m_e
MOX	145.17	pPKPbc	23:24:29.181							T__	m_e
NEUB	144.68	PKPbc	23:24:16.451	38.4		3.06				TAS	m_e
NEUB	144.68	pPKPbc	23:24:27.682							T__	m_e
ROTZ	145.62	PKPbc	23:24:19.789	38.4		3.06				TAS	m_e
ROTZ	145.62	pPKPbc	23:24:31.196							T__	m_e
TANN	145.01	PKPbc	23:24:17.405	0.2	38.4	3.06				TAS	m_e
TANN	145.01	pPKPbc	23:24:28.909							T__	m_e
WERD	145.05	PKPbc	23:24:17.541	0.4	38.4	3.06				TAS	m_e
WERD	145.05	pPKPbc	23:24:28.909							T__	m_e
WERN	145.15	PKPbc	23:24:18.019	-0.1	38.4	3.06				TAS	m_e
WERN	145.15	pPKPbc	23:24:29.491							T__	m_e
WLF	147.97	PKPbc	23:24:27.219	38.4		3.06				TAS	m_e
WLF	147.97	pPKPbc	23:24:38.722							T__	m_e

Event 10114001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	02:22:26.35			-20.3370	169.6310				32.5	0.5		21		144.01	148.26	m i ke	BGR
10114007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10114007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.26		PKPbc	02:42:07.904		38.1		3.07		TAS					m_e
BRG	144.01		PKPbc	02:41:55.070	0.1	38.1		3.07		TAS					m_e
BRG	144.01		pPKPbc	02:42:04.847						T__					m_e
CLL	144.06		PKPbc	02:41:55.095	0.1	38.1		3.07		TAS					m_e
CLL	144.06		pPKPbc	02:42:04.894						T__					m_e
CLZ	144.63		PKPbc	02:41:57.764	-0.2	38.1		3.07		TAS					m_e
CLZ	144.63		pPKPbc	02:42:07.549						T__					m_e
GEC2	145.63		PKPbc	02:42:00.576		38.1		3.07		TAS					m_e
GEC2	145.63		pPKPbc	02:42:10.306						T__					m_e
GRA1	146.04		PKPbc	02:42:02.206		38.1		3.07		TAS					m_e
GRA1	146.04		pPKPbc	02:42:12.001						T__					m_e
GTTG	145.02		PKPbc	02:41:59.004	0.3	38.1		3.07		TAS					m_e

GTTG	145.02	pPKPbc	02:42:08.786							T__		m_e
GUNZ	145.06	PKPbc	02:41:59.096	0.2	38.1		3.07			TAS		m_e
GUNZ	145.06	pPKPbc	02:42:08.817							T__		m_e
IBBN	145.12	PKPbc	02:41:59.270	0.2	38.1		3.07			TAS		m_e
IBBN	145.12	pPKPbc	02:42:09.071							T__		m_e
MANZ	145.45	PKPbc	02:42:00.273	-0.8	38.1		3.07			TAS		m_e
MANZ	145.45	pPKPbc	02:42:10.019							T__		m_e
MOX	145.13	PKPbc	02:41:59.046	-0.1	38.1		3.07			TAS		m_e
MOX	145.13	pPKPbc	02:42:08.778							T__		m_e
NEUB	144.63	PKPbc	02:41:57.462	-0.0	38.1		3.07			TAS		m_e
NEUB	144.63	pPKPbc	02:42:07.206							T__		m_e
PLN	145.04	PKPbc	02:41:58.944	0.5	38.1		3.07			TAS		m_e
PLN	145.04	pPKPbc	02:42:08.640							T__		m_e
ROTZ	145.58	PKPbc	02:42:00.941		38.1		3.07			TAS		m_e
ROTZ	145.58	pPKPbc	02:42:10.708							T__		m_e
STU	147.57	PKPbc	02:42:06.447		38.1		3.07			TAS		m_e
TANN	144.97	PKPbc	02:41:58.606	0.2	38.1		3.07			TAS		m_e
TANN	144.97	pPKPbc	02:42:08.382							T__		m_e
TNS	146.65	PKPbc	02:42:04.091		38.1		3.07			TAS		m_e
TNS	146.65	pPKPbc	02:42:13.839							T__		m_e
WERD	145.01	PKPbc	02:41:58.767	-0.2	38.1		3.07			TAS		m_e
WERD	145.01	pPKPbc	02:42:08.526							T__		m_e
WERN	145.10	PKPbc	02:41:59.299	0.2	38.1		3.07			TAS		m_e
WERN	145.10	pPKPbc	02:42:08.901							T__		m_e
WET	145.77	PKPbc	02:42:01.306		38.1		3.07			TAS		m_e
WET	145.77	pPKPbc	02:42:10.910							T__		m_e
WLF	147.91	PKPbc	02:42:08.064		38.1		3.07			TAS		m_e

Event 10114002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	02:35:20.14			-20.4240	169.5430				33.0			25		144.05	148.31	m i ke	BGR
	10114008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.90		PKPbc	02:54:58.456		38.3		3.06		TAS					m_e
BFO	148.31		PKPbc	02:55:01.899		38.3		3.06		TAS					m_e
BRG	144.05		PKPbc	02:54:48.932	0.1	38.3		3.06		TAS					m_e
BUG	146.07		PKPbc	02:54:55.725		38.3		3.06		TAS					m_e
CLL	144.11		PKPbc	02:54:48.921	0.1	38.3		3.06		TAS					m_e
CLZ	144.68		PKPbc	02:54:51.557	-0.2	38.3		3.06		TAS					m_e
FUR	147.24		PKPbc	02:54:59.166		38.3		3.06		TAS					m_e
GEC2	145.66		PKPbc	02:54:54.534	-0.1	38.3		3.06		TAS					m_e
GRA1	146.08		PKPbc	02:54:56.114	-0.6	38.3		3.06		TAS					m_e

GTTG	145.07	PKPbc	02:54:52.748	0.5	38.3		3.06	TAS		m_e
GUNZ	145.11	PKPbc	02:54:52.880	0.2	38.3		3.06	TAS		m_e
IBBN	145.17	PKPbc	02:54:53.079	-0.5	38.3		3.06	TAS		m_e
MANZ	145.49	PKPbc	02:54:54.086	0.0	38.3		3.06	TAS		m_e
MOX	145.17	PKPbc	02:54:52.960	0.3	38.3		3.06	TAS		m_e
NEUB	144.68	PKPbc	02:54:51.358	0.1	38.3		3.06	TAS		m_e
PLN	145.08	PKPbc	02:54:52.695	0.6	38.3		3.06	TAS		m_e
RJOB	146.89	PKPbc	02:54:57.794		38.3		3.06	TAS		m_e
ROTZ	145.62	PKPbc	02:54:54.814	0.1	38.3		3.06	TAS		m_e
STU	147.62	PKPbc	02:55:00.420		38.3		3.06	TAS		m_e
TANN	145.01	PKPbc	02:54:52.417	0.2	38.3		3.06	TAS		m_e
TNS	146.70	PKPbc	02:54:57.975		38.3		3.06	TAS		m_e
WERD	145.05	PKPbc	02:54:52.616	0.0	38.3		3.06	TAS		m_e
WERN	145.15	PKPbc	02:54:53.092	-0.3	38.3		3.06	TAS		m_e
WET	145.81	PKPbc	02:54:55.130	0.2	38.3		3.06	TAS		m_e
WLF	147.96	PKPbc	02:55:01.899		38.3		3.06	TAS		m_e

Event 10114003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	06:59:38.20			-21.0340	169.9170				32.2	0.6		19		145.37	149.01	m i ke	BGR
	10114009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.59		PKPbc	07:19:18.931		38.2		2.95		TAS					m_e
BFO	149.01		PKPbc	07:19:22.311		38.2		2.95		TAS					m_e
CLZ	145.37		PKPbc	07:19:12.240	0.1	38.2		2.95		TAS					m_e
GEC2	146.37		PKPbc	07:19:14.955		38.2		2.95		TAS					m_e
GEC2	146.37		pPKPbc	07:19:24.658						T__					m_e
GTTG	145.76		PKPbc	07:19:13.483	0.1	38.2		2.95		TAS					m_e
GTTG	145.76		pPKPbc	07:19:23.163						T__					m_e
GUNZ	145.81		PKPbc	07:19:13.579	0.0	38.2		2.95		TAS					m_e
GUNZ	145.81		pPKPbc	07:19:23.172						T__					m_e
IBBN	145.86		PKPbc	07:19:13.722	0.4	38.2		2.95		TAS					m_e
IBBN	145.86		pPKPbc	07:19:23.442						T__					m_e
MANZ	146.19		PKPbc	07:19:14.703		38.2		2.95		TAS					m_e
MANZ	146.19		pPKPbc	07:19:24.391						T__					m_e
MOX	145.87		PKPbc	07:19:13.471		38.2		2.95		TAS					m_e
MOX	145.87		pPKPbc	07:19:23.185						T__					m_e
NEUB	145.38		PKPbc	07:19:11.965	0.4	38.2		2.95		TAS					m_e
NEUB	145.38		pPKPbc	07:19:21.623						T__					m_e
PLN	145.78		PKPbc	07:19:13.256	-0.1	38.2		2.95		TAS					m_e
PLN	145.78		pPKPbc	07:19:22.996						T__					m_e
ROTZ	146.32		PKPbc	07:19:15.372		38.2		2.95		TAS					m_e

ROTZ	146.32	pPKPbc	07:19:25.004							T__		m_e
STU	148.32	PKPbc	07:19:20.881	38.2	2.95					TAS		m_e
TANN	145.71	PKPbc	07:19:13.148	-0.3 38.2	2.95					TAS		m_e
TANN	145.71	pPKPbc	07:19:22.632							T__		m_e
TNS	147.40	PKPbc	07:19:18.441	38.2	2.95					TAS		m_e
WERD	145.75	PKPbc	07:19:13.256	0.2 38.2	2.95					TAS		m_e
WERD	145.75	pPKPbc	07:19:22.941							T__		m_e
WERN	145.85	PKPbc	07:19:13.722	-0.6 38.2	2.95					TAS		m_e
WERN	145.85	pPKPbc	07:19:23.332							T__		m_e
WET	146.51	PKPbc	07:19:15.694	38.2	2.95					TAS		m_e
WET	146.51	pPKPbc	07:19:25.367							T__		m_e
WLF	148.65	PKPbc	07:19:22.546	38.2	2.95					TAS		m_e
WLF	148.65	pPKPbc	07:19:32.264							T__		m_e

Event 10114005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	08:58:32.76		0.59	-20.9660	169.7520				57.6	0.7		19	292	144.68	148.88	m i ke	BGR
OrigID 10114011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.88		PKPbc	09:18:17.521		38.4		2.97		TAS					m_e
CLL	144.68		PKPbc	09:18:04.599	0.2	38.4		2.97		TAS					m_e
CLZ	145.25		PKPbc	09:18:07.383	0.3	38.4		2.97		TAS					m_e
FBE	144.83		PKPbc	09:18:05.613	0.2	38.4		2.97		TAS					m_e
GEC2	146.23		PKPbc	09:18:10.082		38.4		2.97		TAS					m_e
GTTG	145.64		PKPbc	09:18:08.469	0.4	38.4		2.97		TAS					m_e
GUNZ	145.68		PKPbc	09:18:08.643	-0.3	38.4		2.97		TAS					m_e
GUNZ	145.68		pPKPbc	09:18:25.590						T__					m_e
IBBN	145.74		PKPbc	09:18:08.941	0.2	38.4		2.97		TAS					m_e
MANZ	146.06		PKPbc	09:18:09.917		38.4		2.97		TAS					m_e
MANZ	146.06		pPKPbc	09:18:26.755						T__					m_e
MOX	145.75		PKPbc	09:18:08.625		38.4		2.97		TAS					m_e
MOX	145.75		pPKPbc	09:18:25.473						T__					m_e
NEUB	145.25		PKPbc	09:18:07.122	-0.0	38.4		2.97		TAS					m_e
PLN	145.65		PKPbc	09:18:08.412	0.2	38.4		2.97		TAS					m_e
PLN	145.65		pPKPbc	09:18:25.315						T__					m_e
RJOB	147.46		PKPbc	09:18:13.546		38.4		2.97		TAS					m_e
ROTZ	146.19		PKPbc	09:18:10.347		38.4		2.97		TAS					m_e
ROTZ	146.19		pPKPbc	09:18:27.292						T__					m_e
STU	148.19		PKPbc	09:18:16.112		38.4		2.97		TAS					m_e
TANN	145.59		PKPbc	09:18:08.279	0.3	38.4		2.97		TAS					m_e
WERD	145.62		PKPbc	09:18:08.445	-0.1	38.4		2.97		TAS					m_e
WERD	145.62		pPKPbc	09:18:25.132						T__					m_e

WERN	145.72	PKPbc	09:18:08.890	-0.4	38.4	2.97	TAS	m_e
WERN	145.72	pPKPbc	09:18:25.656				T__	m_e
WET	146.38	PKPbc	09:18:10.712		38.4	2.97	TAS	m_e

Event 10114006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	10:45:57.48		0.59	-20.4080	169.4690				34.9	0.8		23	292	143.93	148.27	m i ke	BGR
OrigID 10114012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.27		PKPbc	11:05:39.258		38.4		3.16		TAS					m_e
BUG	146.03		PKPbc	11:05:32.915		38.4		3.16		TAS					m_e
CLL	144.06		PKPbc	11:05:26.131	0.1	38.4		3.16		TAS					m_e
FBE	144.22		PKPbc	11:05:27.150	0.2	38.4		3.16		TAS					m_e
FLT1	143.93		PKPbc	11:05:25.477	0.2	38.4		3.16		TAS					m_e
FUR	147.20		PKPbc	11:05:36.689		38.4		3.16		TAS					m_e
GEC2	145.62		PKPbc	11:05:31.271	0.4	38.4		3.16		TAS					m_e
GEC2	145.62		pPKPbc	11:05:41.895						T__					m_e
GRA1	146.03		PKPbc	11:05:33.334		38.4		3.16		TAS					m_e
GRA1	146.03		pPKPbc	11:05:43.628						T__					m_e
GTTG	145.03		PKPbc	11:05:30.067	0.4	38.4		3.16		TAS					m_e
GTTG	145.03		pPKPbc	11:05:40.439						T__					m_e
GUNZ	145.06		PKPbc	11:05:30.084	-0.1	38.4		3.16		TAS					m_e
GUNZ	145.06		pPKPbc	11:05:40.565						T__					m_e
IBBN	145.13		PKPbc	11:05:30.503	0.1	38.4		3.16		TAS					m_e
IBBN	145.13		pPKPbc	11:05:40.791						T__					m_e
MANZ	145.44		PKPbc	11:05:31.219	0.1	38.4		3.16		TAS					m_e
MANZ	145.44		pPKPbc	11:05:41.695						T__					m_e
MOX	145.13		PKPbc	11:05:30.136	-0.4	38.4		3.16		TAS					m_e
MOX	145.13		pPKPbc	11:05:40.665						T__					m_e
NEUB	144.64		PKPbc	11:05:28.721	0.1	38.4		3.16		TAS					m_e
PLN	145.04		PKPbc	11:05:29.874	0.4	38.4		3.16		TAS					m_e
PLN	145.04		pPKPbc	11:05:40.213						T__					m_e
RJOB	146.84		PKPbc	11:05:35.221		38.4		3.16		TAS					m_e
ROTZ	145.57		PKPbc	11:05:31.866	-0.7	38.4		3.16		TAS					m_e
ROTZ	145.57		pPKPbc	11:05:42.398						T__					m_e
STU	147.57		PKPbc	11:05:37.895		38.4		3.16		TAS					m_e
TANN	144.97		PKPbc	11:05:29.717	0.2	38.4		3.16		TAS					m_e
TANN	144.97		pPKPbc	11:05:40.096						T__					m_e
WERD	145.01		PKPbc	11:05:29.874	-0.5	38.4		3.16		TAS					m_e
WERD	145.01		pPKPbc	11:05:40.213						T__					m_e
WERN	145.10		PKPbc	11:05:30.398	-0.3	38.4		3.16		TAS					m_e
WERN	145.10		pPKPbc	11:05:40.841						T__					m_e

WET	145.76	PKPbc	11:05:32.024	38.4	3.16	TAS	m_e
WET	145.76	pPKPbc	11:05:42.699			T__	m_e
WLF	147.92	PKPbc	11:05:39.520	38.4	3.16	TAS	m_e

Event 10114010 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	20:44:10.01		0.29	-20.2420	169.8470				36.7	0.7		20	148	144.02	148.26	m i ke	BGR
10114016																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.26		PKPbc	21:03:51.613		37.4		3.16		TAS					m_e
BRG	144.02		PKPbc	21:03:38.469	0.0	37.4		3.16		TAS					m_e
BUG	146.00		PKPbc	21:03:45.444		37.4		3.16		TAS					m_e
BUG	146.00		pPKPbc	21:03:56.392						T__					m_e
CLZ	144.62		PKPbc	21:03:41.088	-0.1	37.4		3.16		TAS					m_e
CLZ	144.62		pPKPbc	21:03:52.092	-0.1					T__					m_e
FUR	147.21		PKPbc	21:03:49.057		37.4		3.16		TAS					m_e
FUR	147.21		pPKPbc	21:04:00.116						T__					m_e
GEC2	145.64		PKPbc	21:03:43.849	-0.7	37.4		3.16		TAS					m_e
GEC2	145.64		pPKPbc	21:03:54.988						T__					m_e
GRA1	146.04		PKPbc	21:03:45.866		37.4		3.16		TAS					m_e
GRA1	146.04		pPKPbc	21:03:56.644						T__					m_e
GTTG	145.01		PKPbc	21:03:42.301	0.2	37.4		3.16		TAS					m_e
GTTG	145.01		pPKPbc	21:03:53.257	-0.4					T__					m_e
GUNZ	145.07		PKPbc	21:03:42.441	0.5	37.4		3.16		TAS					m_e
GUNZ	145.07		pPKPbc	21:03:53.522	0.2					T__					m_e
IBBN	145.09		PKPbc	21:03:42.629	0.4	37.4		3.16		TAS					m_e
IBBN	145.09		pPKPbc	21:03:53.599	0.3					T__					m_e
MANZ	145.45		PKPbc	21:03:43.692	-0.1	37.4		3.16		TAS					m_e
MANZ	145.45		pPKPbc	21:03:54.660	0.2					T__					m_e
MOX	145.13		PKPbc	21:03:42.426	0.3	37.4		3.16		TAS					m_e
MOX	145.13		pPKPbc	21:03:53.411	-0.3					T__					m_e
NEUB	144.63		PKPbc	21:03:40.940	0.2	37.4		3.16		TAS					m_e
NEUB	144.63		pPKPbc	21:03:51.960	0.1					T__					m_e
PLN	145.04		PKPbc	21:03:42.254	0.1	37.4		3.16		TAS					m_e
PLN	145.04		pPKPbc	21:03:53.271	-0.2					T__					m_e
ROTZ	145.58		PKPbc	21:03:44.365	0.3	37.4		3.16		TAS					m_e
ROTZ	145.58		pPKPbc	21:03:55.292						T__					m_e
STU	147.57		PKPbc	21:03:50.089		37.4		3.16		TAS					m_e
STU	147.57		pPKPbc	21:04:00.983						T__					m_e
TANN	144.97		PKPbc	21:03:42.066	-0.4	37.4		3.16		TAS					m_e
TANN	144.97		pPKPbc	21:03:53.048	0.3					T__					m_e
TNS	146.64		PKPbc	21:03:47.696		37.4		3.16		TAS					m_e

TNS	146.64	pPKPbc	21:03:58.720							T__							m_e
WERD	145.01	PKPbc	21:03:42.113	-0.2	37.4					TAS							m_e
WERD	145.01	pPKPbc	21:03:53.157	-0.0						T__							m_e
WERN	145.11	PKPbc	21:03:42.676	0.0	37.4					TAS							m_e
WERN	145.11	pPKPbc	21:03:53.680	-0.1						T__							m_e
WET	145.78	PKPbc	21:03:44.693		37.4					TAS							m_e
WET	145.78	pPKPbc	21:03:55.662							T__							m_e
WLF	147.89	PKPbc	21:03:51.731		37.4					TAS							m_e
WLF	147.89	pPKPbc	21:04:02.739							T__							m_e

Event 10114011 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/14	22:31:14.97		0.29	-20.4990	169.3830				31.4	3.0		22	148	143.98	148.32	m i ke	BGR
10114017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.32		PKPbc	22:50:57.826		38.6		3.06		TAS					m_e
BRG	144.05		PKPbc	22:50:45.003	0.1	38.6		3.06		TAS					m_e
CLL	144.11		PKPbc	22:50:45.023	0.1	38.6		3.06		TAS					m_e
CLZ	144.69		PKPbc	22:50:47.678	0.2	38.6		3.06		TAS					m_e
FBE	144.26		PKPbc	22:50:45.889	0.2	38.6		3.06		TAS					m_e
FLT1	143.98		pPKPbc	22:50:44.612	-1.1					T__					m_e
FUR	147.24		PKPbc	22:50:55.320		38.6		3.06		TAS					m_e
GEC2	145.66		PKPbc	22:50:50.460	-0.8	38.6		3.06		TAS					m_e
GEC2	145.66		pPKPbc	22:50:59.023						T__					m_e
GTTG	145.08		PKPbc	22:50:48.994	0.3	38.6		3.06		TAS					m_e
GTTG	145.08		pPKPbc	22:50:58.516						T__					m_e
GUNZ	145.11		PKPbc	22:50:49.019	-0.1	38.6		3.06		TAS					m_e
GUNZ	145.11		pPKPbc	22:50:58.685						T__					m_e
IBBN	145.19		PKPbc	22:50:49.193	0.1	38.6		3.06		TAS					m_e
IBBN	145.19		pPKPbc	22:50:58.812						T__					m_e
MANZ	145.49		PKPbc	22:50:50.237	-0.1	38.6		3.06		TAS					m_e
MANZ	145.49		pPKPbc	22:50:59.868						T__					m_e
MOX	145.18		PKPbc	22:50:48.994	-0.0	38.6		3.06		TAS					m_e
MOX	145.18		pPKPbc	22:50:58.558						T__					m_e
NEUB	144.69		PKPbc	22:50:47.504	-0.2	38.6		3.06		TAS					m_e
PLN	145.08		PKPbc	22:50:48.845	0.5	38.6		3.06		TAS					m_e
PLN	145.08		pPKPbc	22:50:58.431						T__					m_e
ROTZ	145.62		PKPbc	22:50:50.858	0.2	38.6		3.06		TAS					m_e
ROTZ	145.62		pPKPbc	22:51:00.459						T__					m_e
STU	147.62		PKPbc	22:50:56.387		38.6		3.06		TAS					m_e
TANN	145.02		PKPbc	22:50:48.622	0.3	38.6		3.06		TAS					m_e
TNS	146.72		PKPbc	22:50:54.038		38.6		3.06		TAS					m_e

WERD	145.05	PKPbc	22:50:48.721	0.0	38.6	3.06	TAS	m_e
WERN	145.15	PKPbc	22:50:49.243	0.2	38.6	3.06	TAS	m_e
WERN	145.15	pPKPbc	22:50:58.854				T__	m_e
WET	145.80	PKPbc	22:50:51.106		38.6	3.06	TAS	m_e
WLF	147.98	PKPbc	22:50:58.013		38.6	3.06	TAS	m_e

Event 10115001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/15	00:10:04.73		0.29	-21.0300	169.7850				29.7	0.5		17	148	145.32	148.95	m i ke	BGR
OrigID 10115007																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.95		PKPbc	00:29:49.456		38.4		2.96		TAS					m_e
BFO	148.95		pPKPbc	00:29:58.350						T__					m_e
CLZ	145.32		PKPbc	00:29:39.100	0.4	38.4		2.96		TAS					m_e
CLZ	145.32		pPKPbc	00:29:48.169						T__					m_e
GEC2	146.30		PKPbc	00:29:41.938		38.4		2.96		TAS					m_e
GEC2	146.30		pPKPbc	00:29:50.943						T__					m_e
GTTG	145.71		PKPbc	00:29:40.583	0.3	38.4		2.96		TAS					m_e
GTTG	145.71		pPKPbc	00:29:49.398						T__					m_e
GUNZ	145.75		PKPbc	00:29:40.645	0.4	38.4		2.96		TAS					m_e
GUNZ	145.75		pPKPbc	00:29:49.553						T__					m_e
IBBN	145.81		PKPbc	00:29:40.757		38.4		2.96		TAS					m_e
IBBN	145.81		pPKPbc	00:29:49.685						T__					m_e
MANZ	146.13		PKPbc	00:29:41.852		38.4		2.96		TAS					m_e
MANZ	146.13		pPKPbc	00:29:50.722						T__					m_e
MOX	145.82		PKPbc	00:29:40.555		38.4		2.96		TAS					m_e
MOX	145.82		pPKPbc	00:29:49.530						T__					m_e
PLN	145.72		PKPbc	00:29:40.387	0.1	38.4		2.96		TAS					m_e
PLN	145.72		pPKPbc	00:29:49.310						T__					m_e
ROTZ	146.26		PKPbc	00:29:42.397		38.4		2.96		TAS					m_e
ROTZ	146.26		pPKPbc	00:29:51.318						T__					m_e
STU	148.26		PKPbc	00:29:48.011		38.4		2.96		TAS					m_e
STU	148.26		pPKPbc	00:29:56.894						T__					m_e
TANN	145.66		PKPbc	00:29:40.186	-0.3	38.4		2.96		TAS					m_e
TANN	145.66		pPKPbc	00:29:49.023						T__					m_e
TNS	147.35		PKPbc	00:29:45.614		38.4		2.96		TAS					m_e
TNS	147.35		pPKPbc	00:29:54.519						T__					m_e
WERD	145.69		PKPbc	00:29:40.358	-0.0	38.4		2.96		TAS					m_e
WERD	145.69		pPKPbc	00:29:49.244						T__					m_e
WERN	145.79		PKPbc	00:29:40.703	-0.6	38.4		2.96		TAS					m_e
WERN	145.79		pPKPbc	00:29:49.729						T__					m_e
WET	146.45		PKPbc	00:29:42.598		38.4		2.96		TAS					m_e

WLF	148.61	PKPbc	00:29:49.607	38.4	2.96	TAS	m_e
WLF	148.61	pPKPbc	00:29:58.549			T__	m_e

Event 10115002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/15	01:39:54.29		0.29	-20.1410	169.7970				31.8	0.9		27	148	143.80	148.15	m i ke	BGR
10115008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.72		PKPbc	01:59:33.095		37.7		3.10		TAS					m_e
BFO	148.15		PKPbc	01:59:36.617		37.7		3.10		TAS					m_e
BFO	148.15		pPKPbc	01:59:46.199						T__					m_e
BRG	143.91		PKPbc	01:59:23.691	-0.1	37.7		3.10		TAS					m_e
BRG	143.91		pPKPbc	01:59:33.227						T__					m_e
BUG	145.88		PKPbc	01:59:30.314	-0.1	37.7		3.10		TAS					m_e
CLL	143.95		PKPbc	01:59:23.833	0.3	37.7		3.10		TAS					m_e
CLL	143.95		pPKPbc	01:59:33.315						T__					m_e
CLZ	144.51		PKPbc	01:59:26.423	0.3	37.7		3.10		TAS					m_e
CLZ	144.51		pPKPbc	01:59:35.971						T__					m_e
FBE	144.11		PKPbc	01:59:24.745	0.1	37.7		3.10		TAS					m_e
FBE	144.11		pPKPbc	01:59:34.020						T__					m_e
FLT1	143.80		PKPbc	01:59:23.328	-0.3	37.7		3.10		TAS					m_e
GEC2	145.53		PKPbc	01:59:29.341	0.3	37.7		3.10		TAS					m_e
GEC2	145.53		pPKPbc	01:59:38.837						T__					m_e
GRA1	145.93		PKPbc	01:59:30.870	-0.1	37.7		3.10		TAS					m_e
GTTG	144.90		PKPbc	01:59:27.740	0.4	37.7		3.10		TAS					m_e
GTTG	144.90		pPKPbc	01:59:37.231						T__					m_e
GUNZ	144.96		PKPbc	01:59:27.790	0.1	37.7		3.10		TAS					m_e
GUNZ	144.96		pPKPbc	01:59:37.265						T__					m_e
IBBN	144.98		PKPbc	01:59:28.043	0.2	37.7		3.10		TAS					m_e
IBBN	144.98		pPKPbc	01:59:37.618						T__					m_e
MANZ	145.34		PKPbc	01:59:29.017	0.4	37.7		3.10		TAS					m_e
MANZ	145.34		pPKPbc	01:59:38.563						T__					m_e
MOX	145.02		PKPbc	01:59:27.719	-0.0	37.7		3.10		TAS					m_e
MOX	145.02		pPKPbc	01:59:37.231						T__					m_e
NEUB	144.52		PKPbc	01:59:26.033	0.1	37.7		3.10		TAS					m_e
NEUB	144.52		pPKPbc	01:59:35.775						T__					m_e
NRDL	144.06		PKPbc	01:59:24.568	0.1	37.7		3.10		TAS					m_e
PLN	144.93		PKPbc	01:59:27.464	0.1	37.7		3.10		TAS					m_e
PLN	144.93		pPKPbc	01:59:37.147						T__					m_e
RJOB	146.76		PKPbc	01:59:32.631	-0.7	37.7		3.10		TAS					m_e
ROTZ	145.47		PKPbc	01:59:29.573	-0.4	37.7		3.10		TAS					m_e
ROTZ	145.47		pPKPbc	01:59:39.068						T__					m_e

STU	147.46	PKPbc	01:59:35.134		37.7		3.10	TAS		m_e
STU	147.46	pPKPbc	01:59:44.633					T__		m_e
TANN	144.86	PKPbc	01:59:27.269	0.4	37.7		3.10	TAS		m_e
TANN	144.86	pPKPbc	01:59:36.794					T__		m_e
TNS	146.53	PKPbc	01:59:32.770	0.3	37.7		3.10	TAS		m_e
TNS	146.53	pPKPbc	01:59:42.283					T__		m_e
WERD	144.90	PKPbc	01:59:27.399	0.4	37.7		3.10	TAS		m_e
WERD	144.90	pPKPbc	01:59:37.030					T__		m_e
WERN	145.00	PKPbc	01:59:27.945	0.5	37.7		3.10	TAS		m_e
WERN	145.00	pPKPbc	01:59:37.461					T__		m_e
WET	145.67	PKPbc	01:59:29.868	-0.6	37.7		3.10	TAS		m_e
WET	145.67	pPKPbc	01:59:39.421					T__		m_e
WLF	147.78	PKPbc	01:59:36.756		37.7		3.10	TAS		m_e
WLF	147.78	pPKPbc	01:59:46.322					T__		m_e

Event 10115005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/15	09:05:56.19		0.65	-20.9090	169.8540				29.5	0.7		20	246	144.67	148.87	m i ke	BGR
OrigID 10115011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.87		PKPbc	09:25:40.674		38.2		2.99		TAS					m_e
BFO	148.87		pPKPbc	09:25:49.596						T__					m_e
CLL	144.67		PKPbc	09:25:28.207	0.1	38.2		2.99		TAS					m_e
CLZ	145.24		PKPbc	09:25:30.752	0.1	38.2		2.99		TAS					m_e
CLZ	145.24		pPKPbc	09:25:39.492						T__					m_e
FBE	144.82		PKPbc	09:25:28.819	0.1	38.2		2.99		TAS					m_e
FBE	144.82		pPKPbc	09:25:37.777						T__					m_e
GEC2	146.23		PKPbc	09:25:33.494		38.2		2.99		TAS					m_e
GEC2	146.23		pPKPbc	09:25:42.305						T__					m_e
GTTG	145.62		PKPbc	09:25:31.842	0.5	38.2		2.99		TAS					m_e
GTTG	145.62		pPKPbc	09:25:40.777						T__					m_e
GUNZ	145.67		PKPbc	09:25:31.894	0.3	38.2		2.99		TAS					m_e
GUNZ	145.67		pPKPbc	09:25:40.838						T__					m_e
IBBN	145.72		PKPbc	09:25:32.362	0.2	38.2		2.99		TAS					m_e
IBBN	145.72		pPKPbc	09:25:41.013						T__					m_e
MANZ	146.05		PKPbc	09:25:33.141	-0.7	38.2		2.99		TAS					m_e
MANZ	146.05		pPKPbc	09:25:42.043						T__					m_e
MOX	145.73		PKPbc	09:25:32.103	-0.1	38.2		2.99		TAS					m_e
MOX	145.73		pPKPbc	09:25:40.819						T__					m_e
NEUB	145.24		PKPbc	09:25:30.247	0.3	38.2		2.99		TAS					m_e
NEUB	145.24		pPKPbc	09:25:39.285						T__					m_e
PLN	145.64		PKPbc	09:25:31.790	-0.1	38.2		2.99		TAS					m_e

PLN	145.64	pPKPbc	09:25:40.582							T__		m_e
ROTZ	146.18	PKPbc	09:25:33.842	38.2		2.99				TAS		m_e
ROTZ	146.18	pPKPbc	09:25:42.647							T__		m_e
STU	148.18	PKPbc	09:25:39.268	38.2		2.99				TAS		m_e
STU	148.18	pPKPbc	09:25:48.132							T__		m_e
TANN	145.57	PKPbc	09:25:31.583	-0.0	38.2	2.99				TAS		m_e
TANN	145.57	pPKPbc	09:25:40.419							T__		m_e
TNS	147.26	PKPbc	09:25:36.926	38.2		2.99				TAS		m_e
TNS	147.26	pPKPbc	09:25:45.827							T__		m_e
WERD	145.61	PKPbc	09:25:31.687	0.2	38.2	2.99				TAS		m_e
WERD	145.61	pPKPbc	09:25:40.575							T__		m_e
WERN	145.71	PKPbc	09:25:32.206	0.2	38.2	2.99				TAS		m_e
WERN	145.71	pPKPbc	09:25:41.043							T__		m_e
WET	146.37	PKPbc	09:25:34.280	38.2		2.99				TAS		m_e
WET	146.37	pPKPbc	09:25:42.908							T__		m_e
WLF	148.52	PKPbc	09:25:40.804	38.2		2.99				TAS		m_e
WLF	148.52	pPKPbc	09:25:49.619							T__		m_e

Event 10115006 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/15	11:23:55.75		0.65	1.9560	95.7640				33.0			27	246	83.30	88.27	m i ke	BGR
10115012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10115012
Ms	5.2		BGR	10115012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.67		P	11:36:41.019		92.9		5.01		TAS		60.3	1.42	m_e	mb 5.7
BFO	86.84		P	11:36:36.372	0.1	92.9		5.01		TAS		21.9	1.14	m_e	mb 5.2
BRG	83.32		P	11:36:19.183	-0.1	92.9		5.01		TAS		63.6	1.59	m_e	mb 5.6
BSEG	85.74		P	11:36:31.278	-0.2	92.9		5.01		TAS		96.2	1.67	m_e	mb 5.7
CLL	83.95		P	11:36:21.857	-0.5	92.9		5.01		TAS		40.9	1.59	m_e	mb 5.4
CLZ	85.62		P	11:36:30.824	0.1	92.9		5.01		TAS		32.0	1.16	m_e	mb 5.3
FBE	83.70		P	11:36:21.203	0.1	92.9		5.01		TAS		94.6	1.69	m_e	mb 5.7
FUR	84.87		P	11:36:26.792	0.6	92.9		5.01		TAS		35.0	0.92	m_e	mb 5.6
GEC2	83.30		P	11:36:19.279	0.1	92.9		5.01		TAS		77.1	1.25	m_e	mb 5.8
GRA1	84.98		P	11:36:28.131	0.1	92.9		5.01		TAS		56.1	1.07	m_e	mb 5.7
GRA1	84.98		L	12:19:33.905						T__		1191.0	21.30	a_e	Ms 5.3
GTTG	85.86		P	11:36:31.738	-0.5	92.9		5.01		TAS		33.2	1.17	m_e	mb 5.4
GUNZ	84.30		P	11:36:24.234	-0.0	92.9		5.01		TAS		54.0	1.58	m_e	mb 5.5
IBBN	87.24		P	11:36:38.858		92.9		5.01		TAS		91.2	1.38	m_e	mb 5.7
MANZ	84.42		P	11:36:25.222	-0.3	92.9		5.01		TAS		56.3	1.08	m_e	mb 5.7
MOX	84.78		P	11:36:26.519	-0.2	92.9		5.01		TAS		40.5	1.57	m_e	mb 5.4
MOX	84.78		L	12:20:07.108						T__		1051.7	20.90	a_e	Ms 5.2

NEUB	84.71	P	11:36:25.918	-0.0	92.9	5.01	TAS	37.2	1.15	m_e	mb	5.5
NRDL	85.81	P	11:36:31.758	0.1	92.9	5.01	TAS	85.0	1.67	m_e	mb	5.6
PLN	84.42	P	11:36:24.667	0.5	92.9	5.01	TAS	22.1	1.17	m_e	mb	5.3
RJOB	83.82	P	11:36:21.281	-0.5	92.9	5.01	TAS	25.2	0.95	m_e	mb	5.4
ROTZ	84.35	P	11:36:24.933	-0.1	92.9	5.01	TAS	28.6	1.02	m_e	mb	5.4
RUE	83.57	P	11:36:20.223	-0.2	92.9	5.01	TAS	87.6	1.23	m_e	mb	5.9
TANN	84.22	P	11:36:23.705	0.2	92.9	5.01	TAS	30.4	1.50	m_e	mb	5.3
TNS	86.79	P	11:36:36.741	0.0	92.9	5.01	TAS	30.3	1.00	m_e	mb	5.4
WERD	84.33	P	11:36:24.234	0.6	92.9	5.01	TAS	18.9	1.03	m_e	mb	5.3
WERN	84.27	P	11:36:24.164	0.1	92.9	5.01	TAS	15.7	1.05	m_e	mb	5.2
WET	83.87	P	11:36:22.165	0.2	92.9	5.01	TAS	39.0	1.22	m_e	mb	5.5
WLF	88.27	P	11:36:44.168		92.9	5.01	TAS	56.1	1.53	m_e	mb	5.7

Event 10115007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/15	14:38:24.70		0.65	-21.0200	167.1600				272.0			21	246	143.77	147.88	m i ke	gfz
	10115047																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.88		PKPbc	14:57:34.565		37.7		3.01		TAS					m_e
BUG	145.81		PKPbc	14:57:28.421		37.7		3.01		TAS					m_e
CLZ	144.33		PKPbc	14:57:24.267	0.2	37.7		3.01		TAS					m_e
FBE	143.77		PKPbc	14:57:22.404	-0.2	37.7		3.01		TAS					m_e
GEC2	145.07		PKPbc	14:57:26.999		37.7		3.01		TAS					m_e
GRA1	145.61		PKPbc	14:57:28.803		37.7		3.01		TAS					m_e
GTTG	144.72		PKPbc	14:57:25.608	0.3	37.7		3.01		TAS					m_e
GUNZ	144.63		PKPbc	14:57:25.659	-0.2	37.7		3.01		TAS					m_e
IBBN	144.93		PKPbc	14:57:25.762	0.4	37.7		3.01		TAS					m_e
MANZ	145.00		PKPbc	14:57:26.896	0.3	37.7		3.01		TAS					m_e
MOX	144.73		PKPbc	14:57:25.556	-0.1	37.7		3.01		TAS					m_e
NEUB	144.25		PKPbc	14:57:24.216	-0.1	37.7		3.01		TAS					m_e
PLN	144.61		PKPbc	14:57:25.453	0.1	37.7		3.01		TAS					m_e
ROTZ	145.12		PKPbc	14:57:27.412	-0.6	37.7		3.01		TAS					m_e
STU	147.18		PKPbc	14:57:32.965		37.7		3.01		TAS					m_e
TANN	144.53		PKPbc	14:57:25.195	0.2	37.7		3.01		TAS					m_e
TNS	146.35		PKPbc	14:57:30.661		37.7		3.01		TAS					m_e
WERD	144.58		PKPbc	14:57:25.298	-0.4	37.7		3.01		TAS					m_e
WERN	144.66		PKPbc	14:57:25.814	0.3	37.7		3.01		TAS					m_e
WET	145.25		PKPbc	14:57:27.845		37.7		3.01		TAS					m_e
WLF	147.68		PKPbc	14:57:34.576		37.7		3.01		TAS					m_e

Event 10115008 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/15	16:26:10.88		0.65	2.8640	96.6930				30.9	4.0		24	246	83.21	88.19	m i ke	BGR
OrigID 10115014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10115014
Ms	4.7		BGR	10115014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	83.21		P	16:38:34.402	-0.1	91.6		5.03		TAS		50.3	1.62	m_e	mb	5.5
BRG	83.21		pP	16:38:43.398						T__				m_e		
BSEG	85.56		P	16:38:46.726	0.0	91.6		5.03		TAS		31.0	1.30	m_e	mb	5.3
BUG	87.42		P	16:38:55.593		91.6		5.03		TAS		19.9	0.86	m_e	mb	5.3
CLL	83.83		P	16:38:37.162	-0.1	91.6		5.03		TAS		27.9	1.45	m_e	mb	5.3
CLZ	85.49		P	16:38:46.077	-0.0	91.6		5.03		TAS		19.2	1.03	m_e	mb	5.3
CLZ	85.49		pP	16:38:54.862						T__				m_e		
FBE	83.58		P	16:38:36.544	0.1	91.6		5.03		TAS		75.9	1.70	m_e	mb	5.7
FBE	83.58		pP	16:38:45.443						T__				m_e		
GEC2	83.24		P	16:38:34.709	0.0	91.6		5.03		TAS		49.9	1.21	m_e	mb	5.6
GEC2	83.24		pP	16:38:43.549						T__				m_e		
GRA1	84.90		P	16:38:43.322	0.1	91.6		5.03		TAS		36.3	1.05	m_e	mb	5.5
GRA1	84.90		pP	16:38:52.074						T__				m_e		
GRA1	84.90		L	17:21:48.466						T__		386.9	21.90	a_e	Ms	4.7
GTTG	85.74		P	16:38:47.147	-0.1	91.6		5.03		TAS		23.7	1.27	m_e	mb	5.2
GUNZ	84.21		P	16:38:39.502	0.5	91.6		5.03		TAS		23.8	1.27	m_e	mb	5.3
GUNZ	84.21		pP	16:38:48.511						T__				m_e		
IBBN	87.10		P	16:38:54.142		91.6		5.03		TAS		35.6	0.92	m_e	mb	5.5
MANZ	84.33		P	16:38:40.661	-0.1	91.6		5.03		TAS		35.8	1.05	m_e	mb	5.5
MOX	84.67		P	16:38:41.804	0.1	91.6		5.03		TAS		21.6	1.59	m_e	mb	5.1
MOX	84.67		pP	16:38:50.708						T__				m_e		
MOX	84.67		L	17:22:20.927						T__		371.4	21.20	a_e	Ms	4.7
NEUB	84.59		P	16:38:41.355	0.3	91.6		5.03		TAS		22.2	0.91	m_e	mb	5.4
NRDL	85.66		P	16:38:46.977	-0.1	91.6		5.03		TAS		67.0	1.58	m_e	mb	5.5
PLN	84.32		P	16:38:39.987	-0.2	91.6		5.03		TAS		34.9	1.73	m_e	mb	5.3
PLN	84.32		pP	16:38:48.962						T__				m_e		
ROTZ	84.26		P	16:38:40.304	0.5	91.6		5.03		TAS		15.0	0.92	m_e	mb	5.2
RUE	83.42		P	16:38:35.533	-0.1	91.6		5.03		TAS		63.7	1.40	m_e	mb	5.7
TANN	84.12		P	16:38:39.040	-0.1	91.6		5.03		TAS		24.7	1.46	m_e	mb	5.2
TANN	84.12		pP	16:38:47.879						T__				m_e		
TNS	86.69		P	16:38:52.045		91.6		5.03		TAS		23.1	1.10	m_e	mb	5.2
TNS	86.69		pP	16:39:02.215						T__				m_e		
WERD	84.22		P	16:38:39.538	-0.2	91.6		5.03		TAS		11.4	1.04	m_e	mb	5.0
WERN	84.17		P	16:38:39.477	-0.1	91.6		5.03		TAS		14.9	1.16	m_e	mb	5.1
WERN	84.17		pP	16:38:48.315						T__				m_e		
WET	83.79		P	16:38:37.462	-0.5	91.6		5.03		TAS		24.0	1.13	m_e	mb	5.3
WET	83.79		pP	16:38:46.391						T__				m_e		

WLF 88.19 P 16:38:59.492 91.6 5.03 TAS 34.8 1.60 m_e mb 5.4

Event 10115009 Tonga Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/01/15 18:53:55.80 0.65 -16.9200 -174.5200 86.1 24 246 144.38 148.68 m i ke NEIC
10115071

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for BFO, BRG, BUG, CLL, CLZ, FBE, FLT1, FUR, GEC2, GTTG, GUNZ, IBBN, MANZ, MOX, NEUB, PLN, RJOB, ROTZ, STU, TANN, WERD, WERN, WET, WLF.

Event 10115010 Vanuatu Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2011/01/15 20:00:59.79 0.65 -20.2800 170.1930 33.0 22 246 144.19 148.43 m i ke BGR
10115016

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.43		PKPbc	20:20:41.857		37.2		3.04		TAS				m_e	
BRG	144.19		PKPbc	20:20:29.142	0.1	37.2		3.04		TAS				m_e	
CLL	144.23		PKPbc	20:20:29.241	0.2	37.2		3.04		TAS				m_e	
CLZ	144.78		PKPbc	20:20:31.702	0.3	37.2		3.04		TAS				m_e	
FBE	144.40		PKPbc	20:20:30.181	0.1	37.2		3.04		TAS				m_e	
GEC2	145.83		PKPbc	20:20:34.832	-0.8	37.2		3.04		TAS				m_e	
GRA1	146.21		PKPbc	20:20:36.152		37.2		3.04		TAS				m_e	
GTTG	145.16		PKPbc	20:20:33.100	0.0	37.2		3.04		TAS				m_e	
GUNZ	145.24		PKPbc	20:20:33.284	-0.1	37.2		3.04		TAS				m_e	
IBBN	145.24		PKPbc	20:20:33.234	0.1	37.2		3.04		TAS				m_e	
MANZ	145.62		PKPbc	20:20:34.485	-0.2	37.2		3.04		TAS				m_e	
MOX	145.29		PKPbc	20:20:33.150	0.3	37.2		3.04		TAS				m_e	
NEUB	144.80		PKPbc	20:20:31.405	-0.1	37.2		3.04		TAS				m_e	
PLN	145.21		PKPbc	20:20:32.987	0.5	37.2		3.04		TAS				m_e	
ROTZ	145.76		PKPbc	20:20:35.029	0.1	37.2		3.04		TAS				m_e	
STU	147.74		PKPbc	20:20:40.352		37.2		3.04		TAS				m_e	
TANN	145.15		PKPbc	20:20:32.839	0.4	37.2		3.04		TAS				m_e	
TNS	146.80		PKPbc	20:20:38.177		37.2		3.04		TAS				m_e	
WERD	145.18		PKPbc	20:20:32.987	0.3	37.2		3.04		TAS				m_e	
WERN	145.28		PKPbc	20:20:33.496	0.2	37.2		3.04		TAS				m_e	
WET	145.96		PKPbc	20:20:35.376		37.2		3.04		TAS				m_e	
WLF	148.04		PKPbc	20:20:41.933		37.2		3.04		TAS				m_e	

Event 10116002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/16	12:07:02.14		0.24	-20.3130	169.6850				32.3	1.0		16	149	144.63	147.91	m i ke	BGR
10116008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLZ	144.63		PKPbc	12:26:33.856	-0.3	38.0		3.09		TAS				m_e	
CLZ	144.63		pPKPbc	12:26:43.538	-0.5					T__				m_e	
GEC2	145.63		PKPbc	12:26:36.637		38.0		3.09		TAS				m_e	
GEC2	145.63		pPKPbc	12:26:46.262						T__				m_e	
GTTG	145.01		PKPbc	12:26:35.182	-0.3	38.0		3.09		TAS				m_e	
GTTG	145.01		pPKPbc	12:26:44.789	-0.5					T__				m_e	
GUNZ	145.06		PKPbc	12:26:35.160	-0.2	38.0		3.09		TAS				m_e	
GUNZ	145.06		pPKPbc	12:26:44.936	-0.2					T__				m_e	
IBBN	145.11		PKPbc	12:26:35.321		38.0		3.09		TAS				m_e	
IBBN	145.11		pPKPbc	12:26:44.700						T__				m_e	
MANZ	145.45		PKPbc	12:26:36.419		38.0		3.09		TAS				m_e	
MANZ	145.45		pPKPbc	12:26:46.065						T__				m_e	

MOX	145.13	PKPbc	12:26:35.051		38.0		3.09	TAS		m_e
MOX	145.13	pPKPbc	12:26:44.936					T__		m_e
NEUB	144.63	PKPbc	12:26:33.630	-0.2	38.0		3.09	TAS		m_e
NEUB	144.63	pPKPbc	12:26:43.270	0.0				T__		m_e
PLN	145.04	PKPbc	12:26:34.978	0.2	38.0		3.09	TAS		m_e
PLN	145.04	pPKPbc	12:26:44.615	0.2				T__		m_e
ROTZ	145.58	PKPbc	12:26:36.945		38.0		3.09	TAS		m_e
ROTZ	145.58	pPKPbc	12:26:46.578					T__		m_e
STU	147.57	PKPbc	12:26:42.592		38.0		3.09	TAS		m_e
STU	147.57	pPKPbc	12:26:52.353					T__		m_e
TANN	144.97	PKPbc	12:26:34.723	0.2	38.0		3.09	TAS		m_e
TANN	144.97	pPKPbc	12:26:44.346	0.1				T__		m_e
TNS	146.65	PKPbc	12:26:40.260		38.0		3.09	TAS		m_e
TNS	146.65	pPKPbc	12:26:50.013					T__		m_e
WERD	145.01	PKPbc	12:26:34.869	0.3	38.0		3.09	TAS		m_e
WERD	145.01	pPKPbc	12:26:44.641	0.2				T__		m_e
WERN	145.11	PKPbc	12:26:35.342	0.1	38.0		3.09	TAS		m_e
WERN	145.11	pPKPbc	12:26:45.105	0.1				T__		m_e
WLF	147.91	PKPbc	12:26:44.195		38.0		3.09	TAS		m_e
WLF	147.91	pPKPbc	12:26:53.939					T__		m_e

Event 10116004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/16	17:34:44.12		0.77	-20.9090	169.7230				29.5	4.8		21	220	144.77	148.82	m i ke	BGR
	10116010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.82		PKPbc	17:54:28.121		38.4		2.98		TAS				m_e	
BUG	146.58		PKPbc	17:54:22.081		38.4		2.98		TAS				m_e	
CLZ	145.19		PKPbc	17:54:18.063	-0.2	38.4		2.98		TAS				m_e	
CLZ	145.19		pPKPbc	17:54:26.709						T__				m_e	
FBE	144.77		PKPbc	17:54:16.207	0.1	38.4		2.98		TAS				m_e	
FUR	147.75		PKPbc	17:54:25.461		38.4		2.98		TAS				m_e	
FUR	147.75		pPKPbc	17:54:35.751						T__				m_e	
GEC2	146.17		PKPbc	17:54:20.629	-0.6	38.4		2.98		TAS				m_e	
GEC2	146.17		pPKPbc	17:54:29.535						T__				m_e	
GTTG	145.58		PKPbc	17:54:19.165	0.4	38.4		2.98		TAS				m_e	
GTTG	145.58		pPKPbc	17:54:27.981						T__				m_e	
GUNZ	145.62		PKPbc	17:54:19.203	0.1	38.4		2.98		TAS				m_e	
GUNZ	145.62		pPKPbc	17:54:27.981						T__				m_e	
IBBN	145.68		PKPbc	17:54:19.551	-0.3	38.4		2.98		TAS				m_e	
IBBN	145.68		pPKPbc	17:54:28.263						T__				m_e	
MANZ	146.00		PKPbc	17:54:20.514	0.0	38.4		2.98		TAS				m_e	

MANZ	146.00	pPKPbc	17:54:29.240							T__							m_e
MOX	145.68	PKPbc	17:54:19.255	-0.1	38.4			2.98		TAS							m_e
MOX	145.68	pPKPbc	17:54:28.028							T__							m_e
NEUB	145.19	PKPbc	17:54:17.648	0.2	38.4			2.98		TAS							m_e
NEUB	145.19	pPKPbc	17:54:26.238							T__							m_e
PLN	145.59	PKPbc	17:54:19.100	-0.3	38.4			2.98		TAS							m_e
PLN	145.59	pPKPbc	17:54:27.745							T__							m_e
ROTZ	146.12	PKPbc	17:54:21.018	0.4	38.4			2.98		TAS							m_e
ROTZ	146.12	pPKPbc	17:54:29.912							T__							m_e
STU	148.13	PKPbc	17:54:26.644		38.4			2.98		TAS							m_e
STU	148.13	pPKPbc	17:54:35.516							T__							m_e
TANN	145.52	PKPbc	17:54:18.840	-0.1	38.4			2.98		TAS							m_e
TANN	145.52	pPKPbc	17:54:27.604							T__							m_e
TNS	147.21	PKPbc	17:54:24.259		38.4			2.98		TAS							m_e
TNS	147.21	pPKPbc	17:54:33.067							T__							m_e
WERD	145.56	PKPbc	17:54:18.996	0.3	38.4			2.98		TAS							m_e
WERD	145.56	pPKPbc	17:54:27.698							T__							m_e
WERN	145.66	PKPbc	17:54:19.462	0.3	38.4			2.98		TAS							m_e
WERN	145.66	pPKPbc	17:54:28.169							T__							m_e
WET	146.31	PKPbc	17:54:21.329		38.4			2.98		TAS							m_e
WLF	148.47	PKPbc	17:54:28.277		38.4			2.98		TAS							m_e
WLF	148.47	pPKPbc	17:54:36.976							T__							m_e

Event 10116005 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/01/16	18:42:19.72		0.77	-20.1910	-172.5670				33.0					23	220	146.24	151.92	m i ke BGR
10116011																		

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	10116011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.71		PKPbc	19:02:05.994	0.1	7.2		2.53		TAS					m_e
BFO	151.92		PKPbc	19:02:10.803		7.2		2.53		TAS					m_e
BRG	148.95		PKPbc	19:02:03.711	0.1	7.2		2.53		TAS					m_e
BSEG	146.24		PKPbc	19:01:56.707	-0.1	7.2		2.53		TAS					m_e
BUG	148.81		PKPbc	19:02:03.635	0.1	7.2		2.53		TAS					m_e
CLZ	148.33		PKPbc	19:02:02.493	0.0	7.2		2.53		TAS					m_e
FBE	148.98		PKPbc	19:02:03.939	0.0	7.2		2.53		TAS					m_e
FLT1	147.79		PKPbc	19:02:00.590	0.2	7.2		2.53		TAS					m_e
GEC2	150.97		PKPbc	19:02:08.430		7.2		2.53		TAS					m_e
GRA1	150.41		PKPbc	19:02:07.593		7.2		2.53		TAS					m_e
GRA1	150.41		L	20:12:10.963						T__		257.5	19.80	a_e Ms	5.0
GTTG	148.65		PKPbc	19:02:03.178	-0.1	7.2		2.53		TAS					m_e
GUNZ	149.64		PKPbc	19:02:05.766	0.1	7.2		2.53		TAS					m_e

MANZ	150.04	PKPbc	19:02:06.603	0.2	7.2	2.53	TAS										m_e
MOX	149.43	PKPbc	19:02:04.929	0.3	7.2	2.53	TAS										m_e
MOX	149.43	L	20:06:44.566				T__			233.4	19.90	a_e Ms				5.0	
NEUB	148.87	PKPbc	19:02:03.558	-0.0	7.2	2.53	TAS										m_e
NRDL	147.69	PKPbc	19:02:00.513	0.3	7.2	2.53	TAS										m_e
PLN	149.54	PKPbc	19:02:05.385	0.3	7.2	2.53	TAS										m_e
ROTZ	150.25	PKPbc	19:02:07.136	-0.6	7.2	2.53	TAS										m_e
RUE	147.40	PKPbc	19:01:59.517	-0.2	7.2	2.53	TAS										m_e
TANN	149.58	PKPbc	19:02:05.614	0.0	7.2	2.53	TAS										m_e
TNS	150.02	PKPbc	19:02:06.756	-0.5	7.2	2.53	TAS										m_e
WERD	149.56	PKPbc	19:02:05.309	0.5	7.2	2.53	TAS										m_e
WERN	149.71	PKPbc	19:02:06.147	0.2	7.2	2.53	TAS										m_e

Event 10117001 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/17	00:08:35.80			-21.1100	-11.4400				10.0				8	72.17	75.66	m i ke	NEIC
OrigID 10117064																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10117007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	73.17		P	00:20:07.647	-0.5	202.1		4.74		TAS		33.9	2.24	m_e mb	5.1
GTTG	74.74		P	00:20:17.623		202.1		4.74		TAS		88.8	2.23	m_e mb	5.4
IBBN	75.00		P	00:20:19.000		202.1		4.74		TAS		87.6	1.87	m_e mb	5.5
MANZ	73.80		P	00:20:11.081		202.1		4.74		TAS		60.0	2.34	m_e mb	5.2
NRDL	75.66		P	00:20:23.384		202.1		4.74		TAS		39.7	1.53	m_e mb	5.3
ROTZ	73.62		P	00:20:10.349		202.1		4.74		TAS		26.2	1.77	m_e mb	5.0
WET	73.22		P	00:20:07.939	-1.2	202.1		4.74		TAS		10.3	1.17	m_e mb	4.8
WLF	72.17		P	00:20:07.638	-0.0	202.1		4.74		TAS		24.3	1.15	m_e mb	5.2

Event 10117002 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/17	01:35:35.54			-20.5440	-10.1130				17.0	0.9			20	70.52	76.23	m i ke	BGR
OrigID 10117008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10117008
Ms	4.7		BGR	10117008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	70.52	P	01:46:51.220	0.0	200.9	5.95	TAS	19.3	1.23	m_e	mb	5.1
BFO	70.52	sP	01:46:58.091				T__			m_e		
BRG	74.20	P	01:47:13.564	-0.2	200.9	5.95	TAS	12.5	1.36	m_e	mb	4.8
BRG	74.20	sP	01:47:20.322				T__			m_e		
BSEG	76.23	P	01:47:25.169		200.9	5.95	TAS	54.3	1.62	m_e	mb	5.4
BSEG	76.23	sP	01:47:31.925				T__			m_e		
FLT1	74.92	P	01:47:17.594		200.9	5.95	TAS	38.9	1.73	m_e	mb	5.2
FLT1	74.92	sP	01:47:24.472				T__			m_e		
GEC2	72.27	P	01:47:02.087	0.2	200.9	5.95	TAS	24.3	1.57	m_e	mb	5.1
GEC2	72.27	sP	01:47:09.287				T__			m_e		
GRA1	72.44	P	01:47:03.280	-0.2	200.9	5.95	TAS	134.4	2.09	m_e	mb	5.7
GRA1	72.44	sP	01:47:09.998				T__			m_e		
GRA1	72.44	L	02:17:37.317				T__	541.4	21.00	a_e	Ms	4.8
GTTG	73.91	P	01:47:12.201	-0.5	200.9	5.95	TAS	34.5	1.41	m_e	mb	5.2
GTTG	73.91	sP	01:47:19.063				T__			m_e		
GUNZ	73.33	P	01:47:08.338	-0.2	200.9	5.95	TAS	12.5	1.09	m_e	mb	5.0
GUNZ	73.33	sP	01:47:15.205				T__			m_e		
MANZ	72.93	P	01:47:06.065	-0.0	200.9	5.95	TAS	21.6	1.42	m_e	mb	5.1
MANZ	72.93	sP	01:47:12.837				T__			m_e		
MOX	73.42	P	01:47:08.736	0.0	200.9	5.95	TAS	19.0	1.52	m_e	mb	5.0
MOX	73.42	sP	01:47:15.622				T__			m_e		
MOX	73.42	L	02:18:14.987				T__	384.5	21.40	a_e	Ms	4.7
NEUB	73.97	P	01:47:12.202	-0.2	200.9	5.95	TAS	17.7	1.00	m_e	mb	5.0
NEUB	73.97	sP	01:47:18.940				T__			m_e		
NRDL	74.83	P	01:47:18.094		200.9	5.95	TAS	29.3	1.22	m_e	mb	5.2
NRDL	74.83	sP	01:47:24.792				T__			m_e		
PLN	73.40	P	01:47:08.565	0.1	200.9	5.95	TAS	14.9	1.35	m_e	mb	4.9
PLN	73.40	sP	01:47:15.486				T__			m_e		
ROTZ	72.75	P	01:47:05.042	0.1	200.9	5.95	TAS	16.6	1.05	m_e	mb	5.1
ROTZ	72.75	sP	01:47:11.988				T__			m_e		
RUE	75.63	P	01:47:21.898		200.9	5.95	TAS	28.2	1.22	m_e	mb	5.3
RUE	75.63	sP	01:47:28.557				T__			m_e		
TANN	73.41	P	01:47:08.850	-0.4	200.9	5.95	TAS	24.8	1.63	m_e	mb	5.1
TANN	73.41	sP	01:47:15.820				T__			m_e		
TNS	72.34	P	01:47:02.462	0.8	200.9	5.95	TAS	25.9	1.32	m_e	mb	5.2
TNS	72.34	sP	01:47:09.201				T__			m_e		
WERD	73.40	P	01:47:08.679	-0.2	200.9	5.95	TAS	19.0	1.44	m_e	mb	5.0
WERD	73.40	sP	01:47:15.557				T__			m_e		
WERN	73.27	P	01:47:07.827	-0.1	200.9	5.95	TAS	25.9	1.55	m_e	mb	5.1
WERN	73.27	sP	01:47:14.804				T__			m_e		
WET	72.34	P	01:47:02.542	0.2	200.9	5.95	TAS	14.2	1.01	m_e	mb	5.0
WET	72.34	sP	01:47:09.330				T__			m_e		

2011/01/17 19:20:51.92 0.69 -5.3570 103.9460 30.0 0.8 29 211 94.12 99.10 m i ke BGR
10117013

Magnitude Err Nsta Author OrigID
mb 5.9 BGR 10117013
Ms 5.6 BGR 10117013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	98.48		P	19:34:27.440		91.4		4.52		TAS		33.1	1.30	m_e	mb	5.9
ASSE	96.20		P	19:34:16.799	0.1	91.4		4.52		TAS		42.2	1.13	m_e	mb	5.9
ASSE	96.20		sP	19:34:29.101						T__				m_e		
BRG	94.12		P	19:34:07.714	0.1	91.4		4.52		TAS		69.2	1.20	m_e	mb	5.9
BRG	94.12		sP	19:34:19.978						T__				m_e		
BSEG	96.43		P	19:34:18.071	-0.0	91.4		4.52		TAS		59.6	1.22	m_e	mb	6.0
BUG	98.32		P	19:34:26.419		91.4		4.52		TAS		46.3	1.39	m_e	mb	6.0
CLL	94.73		P	19:34:10.076	0.0	91.4		4.52		TAS		51.7	1.20	m_e	mb	5.8
CLL	94.73		sP	19:34:22.513						T__				m_e		
CLZ	96.39		P	19:34:18.023	-0.1	91.4		4.52		TAS		57.1	1.36	m_e	mb	5.9
CLZ	96.39		sP	19:34:29.963						T__				m_e		
FBE	94.49		P	19:34:09.644	0.3	91.4		4.52		TAS		42.0	0.93	m_e	mb	5.8
FBE	94.49		sP	19:34:21.962						T__				m_e		
FLT1	95.86		P	19:34:14.761	-0.3	91.4		4.52		TAS		24.4	1.10	m_e	mb	5.6
FUR	95.74		P	19:34:14.470	0.5	91.4		4.52		TAS		52.2	1.33	m_e	mb	5.9
GEC2	94.15		P	19:34:07.723	-0.1	91.4		4.52		TAS		89.1	1.34	m_e	mb	5.9
GEC2	94.15		sP	19:34:19.914						T__				m_e		
GRA1	95.81		P	19:34:15.721	-0.8	91.4		4.52		TAS		77.2	1.08	m_e	mb	6.2
GRA1	95.81		L	20:25:09.615						T__		1968.4	21.50	a_e	Ms	5.6
GTTG	96.64		P	19:34:19.104	0.2	91.4		4.52		TAS		61.0	1.30	m_e	mb	6.1
GUNZ	95.12		P	19:34:12.314	0.0	91.4		4.52		TAS		48.5	1.26	m_e	mb	5.8
GUNZ	95.12		sP	19:34:24.522						T__				m_e		
IBBN	98.00		P	19:34:25.123		91.4		4.52		TAS		41.7	1.20	m_e	mb	6.0
MANZ	95.25		P	19:34:13.342	-0.0	91.4		4.52		TAS		79.3	1.13	m_e	mb	6.0
MANZ	95.25		sP	19:34:25.354						T__				m_e		
MOX	95.58		P	19:34:14.350	-0.5	91.4		4.52		TAS		56.3	1.23	m_e	mb	6.0
MOX	95.58		sP	19:34:26.351						T__				m_e		
MOX	95.58		L	20:26:02.812						T__		2410.8	19.70	a_e	Ms	5.7
NEUB	95.50		P	19:34:13.850	0.1	91.4		4.52		TAS		114.7	1.17	m_e	mb	6.2
NEUB	95.50		sP	19:34:26.187						T__				m_e		
NRDL	96.55		P	19:34:18.623	0.1	91.4		4.52		TAS		57.5	1.27	m_e	mb	6.1
NRDL	96.55		sP	19:34:31.148						T__				m_e		
PLN	95.23		P	19:34:12.746	0.6	91.4		4.52		TAS		47.6	1.25	m_e	mb	5.8
PLN	95.23		sP	19:34:24.943						T__				m_e		
RJOB	94.70		P	19:34:09.356	0.1	91.4		4.52		TAS		28.9	0.96	m_e	mb	5.7
RJOB	94.70		sP	19:34:21.681						T__				m_e		
ROTZ	95.17		P	19:34:12.717	0.1	91.4		4.52		TAS		61.4	1.30	m_e	mb	5.9
ROTZ	95.17		sP	19:34:25.071						T__				m_e		
RUE	94.31		P	19:34:08.492	-0.0	91.4		4.52		TAS		159.0	1.38	m_e	mb	6.2
RUE	94.31		sP	19:34:20.914						T__				m_e		
TANN	95.04		P	19:34:11.787	0.2	91.4		4.52		TAS		51.4	1.65	m_e	mb	5.7

TANN	95.04	sP	19:34:24.048							T__							m_e
TNS	97.61	P	19:34:23.588	-0.2	91.4		4.52			TAS	70.1	1.22	m_e	mb			6.3
WERD	95.14	P	19:34:12.218	0.3	91.4		4.52			TAS	56.6	1.37	m_e	mb			5.8
WERD	95.14	sP	19:34:24.778							T__							m_e
WERN	95.09	P	19:34:12.237	0.2	91.4		4.52			TAS	33.7	1.00	m_e	mb			5.7
WERN	95.09	sP	19:34:24.432							T__							m_e
WET	94.71	P	19:34:10.395	-0.3	91.4		4.52			TAS	91.6	1.32	m_e	mb			6.0
WET	94.71	sP	19:34:22.730							T__							m_e
WLF	99.10	P	19:34:30.278		91.4		4.52			TAS	38.8	1.15	m_e	mb			6.0

Event 10118002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/18	02:02:06.65			-15.0890	-175.0480				362.9	2.4		22		142.51	146.80	m i ke	BGR
10118008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.74		PKPbc	02:21:04.928		10.6		3.11		TAS					m_e
BFO	146.74		pPKPbc	02:22:33.215						T__					m_e
BRG	143.58		PKPbc	02:20:55.137	0.4	10.6		3.11		TAS					m_e
BUG	143.69		PKPbc	02:20:55.771	0.4	10.6		3.11		TAS					m_e
CLL	143.30		PKPbc	02:20:54.156	0.2	10.6		3.11		TAS					m_e
FBE	143.62		PKPbc	02:20:55.791	0.5	10.6		3.11		TAS					m_e
FLT1	142.51		PKPbc	02:20:51.233	-0.3	10.6		3.11		TAS					m_e
FUR	146.61		PKPbc	02:21:04.662		10.6		3.11		TAS					m_e
FUR	146.61		pPKPbc	02:22:32.361						T__					m_e
GEC2	145.58		PKPbc	02:21:01.555		10.6		3.11		TAS					m_e
GEC2	145.58		pPKPbc	02:22:29.113						T__					m_e
GRA1	145.11		PKPbc	02:21:00.492		10.6		3.11		TAS					m_e
GRA1	145.11		pPKPbc	02:22:28.176						T__					m_e
GTTG	143.41		PKPbc	02:20:54.994	0.3	10.6		3.11		TAS					m_e
GUNZ	144.31		PKPbc	02:20:58.060	-0.1	10.6		3.11		TAS					m_e
IBBN	142.81		PKPbc	02:20:53.143	-0.2	10.6		3.11		TAS					m_e
MOX	144.13		PKPbc	02:20:57.202	0.3	10.6		3.11		TAS					m_e
NEUB	143.57		PKPbc	02:20:55.341	0.3	10.6		3.11		TAS					m_e
PLN	144.22		PKPbc	02:20:57.549	-0.2	10.6		3.11		TAS					m_e
RJOB	146.80		PKPbc	02:21:04.846		10.6		3.11		TAS					m_e
RJOB	146.80		pPKPbc	02:22:33.215						T__					m_e
ROTZ	144.91		PKPbc	02:20:59.981		10.6		3.11		TAS					m_e
ROTZ	144.91		pPKPbc	02:22:27.604						T__					m_e
STU	146.23		PKPbc	02:21:03.620		10.6		3.11		TAS					m_e
TANN	144.24		PKPbc	02:20:57.753	-0.1	10.6		3.11		TAS					m_e
WERD	144.23		PKPbc	02:20:57.692	0.4	10.6		3.11		TAS					m_e
WERN	144.38		PKPbc	02:20:58.367	-0.4	10.6		3.11		TAS					m_e

WET	145.42	pPKPbc	02:22:28.942							T__						m_e
WLF	145.50	PKPbc	02:21:02.193	10.6				3.11		TAS						m_e
WLF	145.50	pPKPbc	02:22:29.968							T__						m_e

Event 10118003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/18	06:21:19.51			-20.2550	169.5240				30.4	0.5		16		144.52	147.80	m i ke	BGR
	10118009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLZ	144.52		PKPbc	06:40:51.184		38.2		3.10		TAS					m_e
CLZ	144.52		pPKPbc	06:41:00.233	0.2					T__					m_e
GEC2	145.51		PKPbc	06:40:53.770	0.4	38.2		3.10		TAS					m_e
GEC2	145.51		pPKPbc	06:41:02.915						T__					m_e
GTTG	144.90		PKPbc	06:40:52.397		38.2		3.10		TAS					m_e
GTTG	144.90		pPKPbc	06:41:01.453	-0.1					T__					m_e
GUNZ	144.95		PKPbc	06:40:52.409	-0.2	38.2		3.10		TAS					m_e
GUNZ	144.95		pPKPbc	06:41:01.530						T__					m_e
IBBN	145.00		PKPbc	06:40:52.650		38.2		3.10		TAS					m_e
IBBN	145.00		pPKPbc	06:41:01.786						T__					m_e
MANZ	145.33		PKPbc	06:40:53.646	-0.0	38.2		3.10		TAS					m_e
MANZ	145.33		pPKPbc	06:41:02.743						T__					m_e
MOX	145.01		PKPbc	06:40:52.433	-0.2	38.2		3.10		TAS					m_e
MOX	145.01		pPKPbc	06:41:01.478						T__					m_e
NEUB	144.52		PKPbc	06:40:50.762		38.2		3.10		TAS					m_e
NEUB	144.52		pPKPbc	06:40:59.981	0.3					T__					m_e
PLN	144.92		PKPbc	06:40:52.190	0.1	38.2		3.10		TAS					m_e
PLN	144.92		pPKPbc	06:41:01.282	0.1					T__					m_e
ROTZ	145.46		PKPbc	06:40:54.319	0.2	38.2		3.10		TAS					m_e
ROTZ	145.46		pPKPbc	06:41:03.264						T__					m_e
TANN	144.85		PKPbc	06:40:51.968	0.0	38.2		3.10		TAS					m_e
TANN	144.85		pPKPbc	06:41:01.040	-0.4					T__					m_e
TNS	146.54		PKPbc	06:40:57.417		38.2		3.10		TAS					m_e
TNS	146.54		pPKPbc	06:41:06.379						T__					m_e
WERD	144.89		PKPbc	06:40:52.067	0.1	38.2		3.10		TAS					m_e
WERD	144.89		pPKPbc	06:41:01.195	-0.1					T__					m_e
WERN	144.99		PKPbc	06:40:52.589	-0.0	38.2		3.10		TAS					m_e
WERN	144.99		pPKPbc	06:41:01.792						T__					m_e
WET	145.65		PKPbc	06:40:54.576	0.1	38.2		3.10		TAS					m_e
WET	145.65		pPKPbc	06:41:03.584						T__					m_e
WLF	147.80		PKPbc	06:41:01.389		38.2		3.10		TAS					m_e
WLF	147.80		pPKPbc	06:41:10.562						T__					m_e

Event 10118001 Southwestern Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/18	20:23:21.56			27.4300	63.5400				96.4	5.1		33		43.72	48.73	m i ke	BGR
OrigID 10118007																	

Magnitude	Err	Nsta	Author	OrigID
mb	7.1		BGR	10118007
MBB	7.4		BGR	10118007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	48.23		S	20:38:48.551		99.8		14.75		TAS				m_e	
AHRW	48.23		P	20:31:53.084	0.4	99.9		7.87		TAS		5853.3	1.78	a_e	MBB 7.6
AHRW	48.23		pP	20:32:15.897						T__				m_e	
AHRW	48.23		PP	20:33:51.488		97.3		9.40		TAS				m_e	
AHRW	48.23		PcS	20:37:17.111		99.0		4.05		TAS				m_e	
ASSE	46.25		S	20:38:16.707		99.8		14.75		TAS				m_e	
ASSE	46.25		P	20:31:36.584	-0.3	99.9		7.87		TAS		5306.7	1.98	a_e	MBB 7.5
ASSE	46.25		PP	20:33:30.417		97.3		9.40		TAS				m_e	
ASSE	46.25		PcS	20:37:08.266		99.0		4.05		TAS				m_e	
BFO	47.18		S	20:38:30.165		99.8		14.75		TAS				m_e	
BFO	47.18		P	20:31:43.434	-0.7	99.9		7.87		TAS		2827.6	2.14	m_e	MBB 7.3
BFO	47.18		PP	20:33:41.076		97.3		9.40		TAS				m_e	
BFO	47.18		PcS	20:37:12.682		99.0		4.05		TAS				m_e	
BRG	43.98		S	20:37:44.806	-0.4	99.8		14.75		TAS				m_e	
BRG	43.98		P	20:31:19.234	0.0	99.9		7.87		TAS		4450.8	1.53	a_e	MBB 7.3
BRG	43.98		PcS	20:36:59.729	0.0	99.0		4.05		TAS				m_e	
BSEG	46.83		S	20:38:24.708		99.8		14.75		TAS				m_e	
BSEG	46.83		P	20:31:40.934	0.1	99.9		7.87		TAS		3783.1	1.68	a_e	MBB 7.6
BSEG	46.83		pP	20:32:03.787						T__				m_e	
BSEG	46.83		PP	20:33:34.681		97.3		9.40		TAS				m_e	
BSEG	46.83		PcS	20:37:10.782		99.0		4.05		TAS				m_e	
BUG	48.22		S	20:38:46.192		99.8		14.75		TAS				m_e	
BUG	48.22		P	20:31:52.384	-0.2	99.9		7.87		TAS		2709.6	0.95	a_e	MBB 7.6
BUG	48.22		pP	20:32:15.134						T__				m_e	
BUG	48.22		PP	20:33:50.695		97.3		9.40		TAS				m_e	
BUG	48.22		PcS	20:37:16.568		99.0		4.05		TAS				m_e	
CLL	44.66		S	20:37:53.331	-0.7	99.8		14.75		TAS				m_e	
CLL	44.66		P	20:31:24.484	0.0	99.9		7.87		TAS		2012.1	1.21	a_e	MBB 7.5
CLL	44.66		PP	20:33:16.583	-0.5	97.3		9.40		TAS				m_e	
CLL	44.66		PcS	20:37:01.827	-0.7	99.0		4.05		TAS				m_e	
CLZ	46.37		S	20:38:18.570		99.8		14.75		TAS				m_e	
CLZ	46.37		P	20:31:38.034	0.1	99.9		7.87		TAS		5095.1	1.66	m_e	MBB 7.5
CLZ	46.37		PP	20:33:32.218		97.3		9.40		TAS				m_e	
CLZ	46.37		PcS	20:37:09.075		99.0		4.05		TAS				m_e	
FBE	44.36		P	20:31:22.534	0.4	99.9		7.87		TAS		6224.7	1.62	a_e	MBB 7.3

FBE	44.36	pP	20:31:45.325	-0.2				T__				m_e	
FBE	44.36	PcS	20:37:01.186	0.3	99.0	4.05		TAS				m_e	
FLT1	45.95	S	20:38:10.041		99.8	14.75		TAS				m_e	
FLT1	45.95	P	20:31:33.834	-0.6	99.9	7.87		TAS	2410.1	0.82	a_e	MBB	7.6
FLT1	45.95	PP	20:33:27.575		97.3	9.40		TAS				m_e	
FLT1	45.95	PcS	20:37:06.662		99.0	4.05		TAS				m_e	
FUR	45.21	S	20:38:00.492		99.8	14.75		TAS				m_e	
FUR	45.21	P	20:31:28.284	-0.3	99.9	7.87		TAS	1342.1	0.80	a_e	MBB	7.4
FUR	45.21	PP	20:33:22.268		97.3	9.40		TAS				m_e	
FUR	45.21	PcS	20:37:04.418		99.0	4.05		TAS				m_e	
GEC2	43.72	S	20:37:40.013	-0.2	99.8	14.75		TAS				m_e	
GEC2	43.72	P	20:31:17.034	-0.1	99.9	7.87		TAS	2579.0	1.14	m_e	MBB	7.2
GEC2	43.72	pP	20:31:39.780	-0.2				T__				m_e	
GEC2	43.72	PP	20:33:08.745	-0.1	97.3	9.40		TAS				m_e	
GEC2	43.72	PcS	20:36:58.881	0.2	99.0	4.05		TAS				m_e	
GRA1	45.47	S	20:38:06.631		99.8	14.75		TAS				m_e	
GRA1	45.47	P	20:31:31.334	0.4	99.9	7.87		TAS	2386.8	1.72	a_e	MBB	7.5
GRA1	45.47	PP	20:33:25.466		97.3	9.40		TAS				m_e	
GRA1	45.47	PcS	20:37:05.972		99.0	4.05		TAS				m_e	
GTTG	46.57	P	20:31:39.584	0.1	99.9	7.87		TAS	2794.6	1.53	a_e	MBB	7.6
GTTG	46.57	PP	20:33:34.325		97.3	9.40		TAS				m_e	
GTTG	46.57	PcS	20:37:09.722		99.0	4.05		TAS				m_e	
GUNZ	44.88	P	20:31:26.384	0.1	99.9	7.87		TAS	4565.5	2.08	a_e	MBB	7.1
GUNZ	44.88	pP	20:31:48.948	-0.3				T__				m_e	
GUNZ	44.88	PcS	20:37:03.436	0.4	99.0	4.05		TAS				m_e	
HLG	48.28	S	20:38:45.510		99.8	14.75		TAS				m_e	
HLG	48.28	P	20:31:52.084	-0.2	99.9	7.87		TAS	3289.9	1.64	m_e	MBB	7.6
HLG	48.28	pP	20:32:15.078					T__				m_e	
HLG	48.28	PP	20:33:48.856		97.3	9.40		TAS				m_e	
HLG	48.28	PcS	20:37:16.888		99.0	4.05		TAS				m_e	
IBBN	48.04	P	20:31:50.784	-0.2	99.9	7.87		TAS	4091.9	1.38	a_e	MBB	7.7
IBBN	48.04	pP	20:32:13.572					T__				m_e	
IBBN	48.04	PP	20:33:48.208		97.3	9.40		TAS				m_e	
IBBN	48.04	PcS	20:37:15.829		99.0	4.05		TAS				m_e	
MANZ	44.95	S	20:38:00.130		99.8	14.75		TAS				m_e	
MANZ	44.95	P	20:31:27.284	0.4	99.9	7.87		TAS	6370.3	2.19	a_e	MBB	7.4
MANZ	44.95	PP	20:33:20.114		97.3	9.40		TAS				m_e	
MANZ	44.95	PcS	20:37:03.974		99.0	4.05		TAS				m_e	
MOX	45.38	S	20:38:06.631		99.8	14.75		TAS				m_e	
MOX	45.38	P	20:31:30.434	0.2	99.9	7.87		TAS	2346.1	0.96	a_e	MBB	7.4
MOX	45.38	PP	20:33:24.733		97.3	9.40		TAS				m_e	
MOX	45.38	PcS	20:37:05.355		99.0	4.05		TAS				m_e	
NEUB	45.39	S	20:38:04.926		99.8	14.75		TAS				m_e	
NEUB	45.39	P	20:31:30.384	0.1	99.9	7.87		TAS	6611.4	1.69	a_e	MBB	7.6
NEUB	45.39	PcS	20:37:04.914		99.0	4.05		TAS				m_e	
NRDL	46.66	S	20:38:22.297		99.8	14.75		TAS				m_e	
NRDL	46.66	P	20:31:40.084	0.1	99.9	7.87		TAS	1560.0	1.00	m_e	MBB	7.6
NRDL	46.66	pP	20:32:03.037					T__				m_e	
NRDL	46.66	PP	20:33:34.965		97.3	9.40		TAS				m_e	

NRDL	46.66	PcS	20:37:10.363		99.0	4.05	TAS			m_e		
PLN	45.01	P	20:31:27.384	0.0	99.9	7.87	TAS	4485.9	2.23	a_e	MBB	7.2
PLN	45.01	pP	20:31:50.031	0.0			T__			m_e		
RGN	45.27	S	20:38:02.880		99.8	14.75	TAS			m_e		
RGN	45.27	P	20:31:28.284	0.3	99.9	7.87	TAS	3395.2	1.24	a_e	MBB	7.6
RGN	45.27	pP	20:31:51.123				T__			m_e		
RGN	45.27	PP	20:33:19.781		97.3	9.40	TAS			m_e		
RGN	45.27	PcS	20:37:04.298		99.0	4.05	TAS			m_e		
RJOB	44.13	S	20:37:45.147	1.0	99.8	14.75	TAS			m_e		
RJOB	44.13	P	20:31:20.384	0.3	99.9	7.87	TAS	1561.5	0.95	a_e	MBB	7.3
RJOB	44.13	PP	20:33:13.070	0.2	97.3	9.40	TAS			m_e		
RJOB	44.13	PcS	20:36:59.977	-0.5	99.0	4.05	TAS			m_e		
ROTZ	44.85	S	20:37:58.446		99.8	14.75	TAS			m_e		
ROTZ	44.85	P	20:31:26.234	0.1	99.9	7.87	TAS	2325.1	1.65	a_e	MBB	7.3
ROTZ	44.85	PP	20:33:19.403		97.3	9.40	TAS			m_e		
ROTZ	44.85	PcS	20:37:03.678	-0.1	99.0	4.05	TAS			m_e		
RUE	44.46	S	20:37:47.193	-0.4	99.8	14.75	TAS			m_e		
RUE	44.46	P	20:31:21.934	-0.7	99.9	7.87	TAS	1795.6	0.83	a_e	MBB	7.2
RUE	44.46	PP	20:33:13.662	-0.3	97.3	9.40	TAS			m_e		
RUE	44.46	PcS	20:37:01.038	0.0	99.0	4.05	TAS			m_e		
STU	46.66	S	20:38:22.638		99.8	14.75	TAS			m_e		
STU	46.66	P	20:31:39.534	-0.6	99.9	7.87	TAS	1715.7	0.85	m_e	MBB	7.5
STU	46.66	pP	20:32:03.420				T__			m_e		
STU	46.66	PP	20:33:35.535		97.3	9.40	TAS			m_e		
STU	46.66	PcS	20:37:10.634		99.0	4.05	TAS			m_e		
TANN	44.81	S	20:37:57.423	1.9	99.8	14.75	TAS			m_e		
TANN	44.81	P	20:31:25.734	-0.0	99.9	7.87	TAS	3728.2	2.18	a_e	MBB	7.3
TANN	44.81	PP	20:33:19.071	0.1	97.3	9.40	TAS			m_e		
TANN	44.81	PcS	20:37:03.017	-0.3	99.0	4.05	TAS			m_e		
TNS	47.32	S	20:38:35.280		99.8	14.75	TAS			m_e		
TNS	47.32	P	20:31:46.104	0.6	99.9	7.87	TAS	5179.7	1.73	m_e	MBB	7.7
TNS	47.32	PP	20:33:42.167		97.3	9.40	TAS			m_e		
TNS	47.32	PcS	20:37:13.312		99.0	4.05	TAS			m_e		
WERD	44.91	P	20:31:26.434	-0.1	99.9	7.87	TAS	2505.5	1.82	a_e	MBB	7.1
WERD	44.91	pP	20:31:49.226	0.3			T__			m_e		
WERD	44.91	PcS	20:37:03.510		99.0	4.05	TAS			m_e		
WERN	44.84	P	20:31:26.184	0.2	99.9	7.87	TAS	3053.2	1.75	a_e	MBB	7.2
WERN	44.84	PcS	20:37:03.505	0.2	99.0	4.05	TAS			m_e		
WET	44.31	S	20:37:48.557	-1.2	99.8	14.75	TAS			m_e		
WET	44.31	P	20:31:21.434	-0.3	99.9	7.87	TAS	3328.5	1.90	a_e	MBB	7.1
WET	44.31	PP	20:33:14.575	0.3	97.3	9.40	TAS			m_e		
WET	44.31	PcS	20:37:01.072	0.4	99.0	4.05	TAS			m_e		
WLF	48.73	S	20:38:53.353		99.8	14.75	TAS			m_e		
WLF	48.73	P	20:31:56.884	0.3	99.9	7.87	TAS	7762.7	2.09	m_e	MBB	7.5
WLF	48.73	pP	20:32:19.486				T__			m_e		
WLF	48.73	PP	20:33:56.235		97.3	9.40	TAS			m_e		

Event 10119001 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/19	03:47:06.02			38.5100	71.8910				33.0			23		41.97	47.09	m i ke	BGR
OrigID 10119007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10119007
Ms	4.2		BGR	10119007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	43.85		P	03:55:07.944	0.0	80.8		8.04		TAS		6.8	0.78	m_e	mb	4.4
BFO	45.98		P	03:55:24.324		80.8		8.04		TAS		8.2	0.87	m_e	mb	4.8
BRG	41.97		P	03:54:52.189	-0.1	80.8		8.04		TAS		28.4	1.60	m_e	mb	4.7
BSEG	43.87		P	03:55:07.359	-0.2	80.8		8.04		TAS		24.7	1.11	m_e	mb	4.8
CLL	42.51		P	03:54:56.023	-0.2	80.8		8.04		TAS		9.4	0.77	m_e	mb	4.6
FBE	42.33		P	03:54:55.282	-0.7	80.8		8.04		TAS		14.9	0.78	m_e	mb	4.8
FLT1	43.49		P	03:55:03.516	0.7	80.8		8.04		TAS		25.8	0.89	m_e	mb	5.0
FUR	44.08		P	03:55:10.052	-0.3	80.8		8.04		TAS		38.1	1.13	m_e	mb	5.0
GEC2	42.38		P	03:54:55.979	-0.1	80.8		8.04		TAS		14.9	1.17	m_e	mb	4.6
GRA1	43.85		P	03:55:08.309	0.3	80.8		8.04		TAS		29.5	1.27	m_e	mb	4.9
GRA1	43.85		L	04:17:01.943						T__		324.2	19.10	a_e	Ms	4.3
GTTG	44.37		P	03:55:11.576		80.8		8.04		TAS		40.0	1.08	m_e	mb	5.1
GUNZ	43.05		P	03:55:00.859	0.3	80.8		8.04		TAS		8.4	0.99	m_e	mb	4.4
IBBN	45.61		P	03:55:20.947		80.8		8.04		TAS		24.5	0.99	m_e	mb	5.2
MANZ	43.24		P	03:55:02.841	0.6	80.8		8.04		TAS		5.4	1.15	m_e	mb	4.2
MOX	43.46		P	03:55:04.280	0.9	80.8		8.04		TAS		15.9	1.41	m_e	mb	4.6
MOX	43.46		L	04:14:07.524						T__		293.9	19.90	a_e	Ms	4.2
NRDL	44.15		P	03:55:09.819		80.8		8.04		TAS		30.2	1.18	m_e	mb	4.9
PLN	43.14		P	03:55:01.643	0.1	80.8		8.04		TAS		20.0	1.63	m_e	mb	4.6
RJOB	43.16		P	03:55:02.056	-0.2	80.8		8.04		TAS		6.1	1.22	m_e	mb	4.2
ROTZ	43.21		P	03:55:02.710	-0.7	80.8		8.04		TAS		15.0	1.36	m_e	mb	4.5
TANN	42.96		P	03:55:00.292	-0.2	80.8		8.04		TAS		15.2	1.44	m_e	mb	4.5
WERD	43.05		P	03:55:00.989	0.2	80.8		8.04		TAS		8.8	1.14	m_e	mb	4.4
WET	42.87		P	03:54:59.639	-0.3	80.8		8.04		TAS		12.9	1.07	m_e	mb	4.6
WLF	47.09		P	03:55:33.395		80.8		8.04		TAS		31.2	1.27	m_e	mb	5.3

Event 10119002 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/19	05:00:00.41			52.2210	179.2120				33.0			14		73.81	79.75	m i ke	BGR
OrigID 10119008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10119008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	76.53		P	05:11:45.087	-0.3	7.5		5.58		TAS		7.0	0.99	m_e	mb	4.7
BSEG	73.81		P	05:11:30.244	0.1	7.5		5.58		TAS		26.5	1.38	m_e	mb	5.1
CLZ	75.89		P	05:11:42.107	0.3	7.5		5.58		TAS		8.9	0.82	m_e	mb	4.9
FBE	76.54		P	05:11:45.660		7.5		5.58		TAS		22.2	1.43	m_e	mb	5.1
FLT1	75.33		P	05:11:38.161	-0.3	7.5		5.58		TAS		19.8	1.44	m_e	mb	4.9
GEC2	78.56		P	05:11:56.621		7.5		5.58		TAS		4.8	0.85	m_e	mb	4.6
GRA1	77.95		P	05:11:53.585		7.5		5.58		TAS		15.0	0.89	m_e	mb	5.1
IBBN	75.60		P	05:11:40.183	0.1	7.5		5.58		TAS		18.2	1.01	m_e	mb	5.2
NEUB	76.42		P	05:11:44.655	0.1	7.5		5.58		TAS		19.0	1.06	m_e	mb	5.2
RJOB	79.75		P	05:12:03.049		7.5		5.58		TAS		6.6	1.07	m_e	mb	4.5
ROTZ	77.79		P	05:11:52.703		7.5		5.58		TAS		7.6	1.14	m_e	mb	4.7
WERN	77.26		P	05:11:49.614		7.5		5.58		TAS		10.9	1.09	m_e	mb	4.9
WET	78.35		P	05:11:55.649		7.5		5.58		TAS		7.7	1.37	m_e	mb	4.7
WLF	78.32		P	05:11:55.101		7.5		5.58		TAS		18.4	1.36	m_e	mb	5.0

Event 10119003 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/19	09:17:52.18			40.9640	42.0590				33.0			26		21.48	26.03	m i ke	BGR
10119009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10119009
Ms	4.0		BGR	10119009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	26.01		P	09:23:22.377		100.3		10.00		TAS		41.9	1.46	m_e	mb	4.9
ASSE	24.11		P	09:23:03.628	0.2	100.3		10.00		TAS		222.7	1.67	m_e	mb	5.4
BFO	24.95		P	09:23:12.580		100.3		10.00		TAS		107.9	1.83	m_e	mb	5.3
BRG	21.80		P	09:22:39.763	-0.8	100.3		10.00		TAS		192.8	1.87	m_e	mb	5.2
BUG	26.03		P	09:23:21.997		100.3		10.00		TAS		93.8	1.33	m_e	mb	5.2
CLL	22.50		P	09:22:47.019	-0.6	100.3		10.00		TAS		115.7	1.19	m_e	mb	5.2
CLZ	24.22		P	09:23:05.089	0.6	100.3		10.00		TAS		268.8	1.49	m_e	mb	5.6
FBE	22.18		P	09:22:44.198	-0.1	100.3		10.00		TAS		126.6	1.11	m_e	mb	5.3
FLT1	23.83		P	09:23:01.137	1.5	100.3		10.00		TAS		207.7	1.59	m_e	mb	5.4
GEC2	21.48		P	09:22:37.838	0.0	100.3		10.00		TAS		208.8	1.47	m_e	mb	5.3
GRA1	23.24		P	09:22:56.302	0.3	100.3		10.00		TAS		147.1	1.40	m_e	mb	5.3
GRA1	23.24		L	09:37:18.251						T__		591.9	19.00	a_e	Ms	4.1
GTTG	24.40		P	09:23:06.732	-0.4	100.3		10.00		TAS		256.1	1.71	m_e	mb	5.5
GUNZ	22.67		P	09:22:49.265	-0.6	100.3		10.00		TAS		220.0	2.02	m_e	mb	5.3
IBBN	25.90		P	09:23:20.464		100.3		10.00		TAS		149.8	1.44	m_e	mb	5.4
MANZ	22.73		P	09:22:49.756	-0.2	100.3		10.00		TAS		25.6	1.15	m_e	mb	4.6
MOX	23.18		P	09:22:54.783	1.1	100.3		10.00		TAS		34.5	1.19	m_e	mb	4.8
MOX	23.18		L	09:33:31.599						T__		549.9	18.80	a_e	Ms	4.0

NRDL	24.54	P	09:23:08.594	-0.6	100.3	10.00	TAS	461.1	2.56	m_e	mb	5.8
PLN	22.81	P	09:22:50.739	0.2	100.3	10.00	TAS	27.6	1.24	m_e	mb	4.6
RJOB	21.91	P	09:22:42.565	1.1	100.3	10.00	TAS	256.7	2.40	m_e	mb	5.2
ROTZ	22.62	P	09:22:48.924	-0.3	100.3	10.00	TAS	56.2	1.38	m_e	mb	4.9
STU	24.42	P	09:23:07.234	-1.0	100.3	10.00	TAS	423.6	1.52	m_e	mb	5.7
TANN	22.60	P	09:22:48.300	-0.3	100.3	10.00	TAS	40.5	1.34	m_e	mb	4.8
TNS	25.09	P	09:23:13.554		100.3	10.00	TAS	114.3	1.63	m_e	mb	5.3
WERD	22.71	P	09:22:49.337	-0.5	100.3	10.00	TAS	29.0	1.19	m_e	mb	4.7
WERN	22.63	P	09:22:48.833	-0.3	100.3	10.00	TAS	91.8	1.68	m_e	mb	5.0
WET	22.07	P	09:22:43.405	-0.3	100.3	10.00	TAS	134.0	1.64	m_e	mb	5.1

Event 10119008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/19	19:13:36.20		0.16	-19.9400	-175.8500				126.3			22	278	145.74	151.48	m i ke	NEIC
	10119070																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.48		PKPbc	19:33:14.610		13.3		2.59		TAS				m_e	
BRG	148.18		PKPbc	19:33:06.945	0.1	13.3		2.59		TAS				m_e	
BSEG	145.74		PKPbc	19:32:59.934	-0.1	13.3		2.59		TAS				m_e	
BUG	148.47		PKPbc	19:33:07.268	0.1	13.3		2.59		TAS				m_e	
CLL	147.93		PKPbc	19:33:06.074	0.0	13.3		2.59		TAS				m_e	
CLZ	147.79		PKPbc	19:33:06.019	0.0	13.3		2.59		TAS				m_e	
FBE	148.24		PKPbc	19:33:07.357	0.2	13.3		2.59		TAS				m_e	
FLT1	147.20		PKPbc	19:33:04.041	-0.1	13.3		2.59		TAS				m_e	
GEC2	150.16		PKPbc	19:33:11.785		13.3		2.59		TAS				m_e	
GRA1	149.78		PKPbc	19:33:11.119		13.3		2.59		TAS				m_e	
GUNZ	148.96		PKPbc	19:33:09.054	-0.5	13.3		2.59		TAS				m_e	
MANZ	149.36		PKPbc	19:33:10.024	-0.6	13.3		2.59		TAS				m_e	
MOX	148.79		PKPbc	19:33:08.378	0.1	13.3		2.59		TAS				m_e	
NRDL	147.18		PKPbc	19:33:04.052	-0.2	13.3		2.59		TAS				m_e	
PLN	148.86		PKPbc	19:33:08.653	0.1	13.3		2.59		TAS				m_e	
ROTZ	149.55		PKPbc	19:33:10.559		13.3		2.59		TAS				m_e	
TANN	148.88		PKPbc	19:33:08.751	-0.1	13.3		2.59		TAS				m_e	
TNS	149.59		PKPbc	19:33:10.434		13.3		2.59		TAS				m_e	
WERD	148.88		PKPbc	19:33:08.741	0.2	13.3		2.59		TAS				m_e	
WERN	149.02		PKPbc	19:33:09.392	0.3	13.3		2.59		TAS				m_e	
WET	150.03		PKPbc	19:33:11.659		13.3		2.59		TAS				m_e	
WLF	150.30		PKPbc	19:33:12.510		13.3		2.59		TAS				m_e	

Event 10120003 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/20	11:36:24.42		0.83	29.4700	130.8430				33.0			19	267	82.37	87.16	m i ke	BGR
OrigID 10120009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10120009
MBB	6.3		BGR	10120009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.12		P	11:49:00.676	-0.1	49.5		5.05		TAS		117.3	1.02	m_e	MBB 6.0
BRG	82.61		P	11:48:42.674	-0.4	49.5		5.05		TAS		35.7	0.81	m_e	mb 5.6
BSEG	82.37		P	11:48:41.699	-0.1	49.5		5.05		TAS		93.2	0.86	m_e	MBB 6.1
BUG	85.42		P	11:48:57.059	-0.2	49.5		5.05		TAS		133.8	1.09	a_e	mb 6.1
CLL	82.80		P	11:48:43.559	-0.5	49.5		5.05		TAS		127.3	0.68	a_e	MBB 6.3
CLZ	83.71		P	11:48:49.159	0.5	49.5		5.05		TAS		275.0	0.92	m_e	MBB 6.6
FUR	85.67		P	11:48:58.886	0.3	49.5		5.05		TAS		159.8	1.05	m_e	mb 6.1
GEC2	83.99		P	11:48:49.859	-0.2	49.5		5.05		TAS		67.7	0.81	a_e	MBB 6.0
GRA1	84.71		P	11:48:54.109	0.4	49.5		5.05		TAS		219.4	1.07	a_e	MBB 6.4
GTTG	84.10		P	11:48:50.930	0.3	49.5		5.05		TAS		252.5	0.79	m_e	MBB 6.5
IBBN	84.60		P	11:48:53.224	0.1	49.5		5.05		TAS		274.6	0.82	m_e	MBB 6.6
MOX	83.90		P	11:48:49.583	-0.0	49.5		5.05		TAS		56.3	0.88	m_e	mb 5.8
NRDL	83.41		P	11:48:47.200	0.1	49.5		5.05		TAS		72.5	1.08	m_e	mb 5.8
RJOB	85.16		P	11:48:56.159	0.2	49.5		5.05		TAS		90.0	0.98	a_e	mb 6.0
ROTZ	84.17		P	11:48:51.409	0.4	49.5		5.05		TAS		136.8	1.02	a_e	mb 6.1
STU	86.31		P	11:49:01.181	-0.6	49.5		5.05		TAS		57.4	1.09	m_e	mb 5.6
TANN	83.63		P	11:48:48.259	0.0	49.5		5.05		TAS		53.5	1.10	a_e	mb 5.7
WET	84.23		P	11:48:51.309	0.0	49.5		5.05		TAS		47.0	0.97	a_e	mb 5.7
WLF	87.16		P	11:49:05.986		49.5		5.05		TAS				m_e	

Event 10121006 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/21	02:19:46.09		1.90	49.5600	-30.0400				33.0				266	25.12	27.19	m i ke	BGR
OrigID 10121012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10121012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	25.12		P	02:25:07.662		285.5		8.71		TAS		32.0	0.95	m_e	mb 5.0
CLL	27.19		P	02:25:25.221		285.5		8.71		TAS		11.5	0.89	m_e	mb 4.6
GRA1	26.49		P	02:25:19.875		285.5		8.71		TAS		22.9	1.14	m_e	mb 4.7
NRDL	25.19		P	02:25:07.359		285.5		8.71		TAS		26.9	1.17	m_e	mb 4.9

Event 10121005 North Pacific Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/21	04:07:14.65		1.90	44.1600	-167.6660				33.0				266	86.53	86.53	m i ke	BGR
OrigID 10121011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10121011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.53		P	04:19:52.806		359.2		4.92		TAS		14.9	1.03	m_e mb	5.1

Event 10121004 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/21	06:32:33.91		1.90	28.3420	142.5170				33.0				266	91.07	91.07	m i ke	BGR
OrigID 10121010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10121010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	91.07		P	06:45:34.085		49.8		4.24		TAS		28.3	1.39	m_e mb	5.4

Event 10121002 Puerto Rico region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/21	16:15:45.93			19.4720	-65.4320				33.0				17	63.54	68.52	m i ke	BGR
OrigID 10121008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10121008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	64.15		P	16:26:17.351	0.2	273.1		6.38		TAS		68.6	1.28	m_e mb	5.7
BRG	68.50		P	16:26:44.551		273.1		6.38		TAS		21.5	0.98	a_e mb	5.3
BSEG	66.14		P	16:26:29.401	0.1	273.1		6.38		TAS		108.3	2.15	a_e mb	5.7
BUG	64.28		P	16:26:17.601	-0.3	273.1		6.38		TAS		79.6	1.70	a_e mb	5.7
CLL	67.87		P	16:26:40.551	0.0	273.1		6.38		TAS		25.7	1.12	a_e mb	5.4
CLZ	66.21		P	16:26:30.301	-0.0	273.1		6.38		TAS		24.7	1.00	a_e mb	5.4

FUR	66.96	P	16:26:35.251	0.3	273.1	6.38	TAS	66.8	1.37	a_e	mb	5.7
GEC2	68.52	P	16:26:45.001		273.1	6.38	TAS	20.1	1.23	a_e	mb	5.2
GRA1	66.83	P	16:26:34.251	0.2	273.1	6.38	TAS	48.7	1.38	a_e	mb	5.5
GTTG	65.96	P	16:26:28.701	0.3	273.1	6.38	TAS	69.3	1.77	a_e	mb	5.6
IBBN	64.59	P	16:26:19.701	-0.1	273.1	6.38	TAS	59.8	1.15	a_e	mb	5.7
NRDL	66.03	P	16:26:29.301	0.0	273.1	6.38	TAS	68.2	1.50	a_e	mb	5.7
ROTZ	67.47	P	16:26:38.651	-0.3	273.1	6.38	TAS	27.3	1.18	a_e	mb	5.4
STU	65.55	P	16:26:25.851	0.1	273.1	6.38	TAS	60.0	1.77	a_e	mb	5.5
TANN	67.59	P	16:26:39.001	-0.3	273.1	6.38	TAS	23.4	1.23	a_e	mb	5.3
WET	67.95	P	16:26:40.534		273.1	6.38	TAS	15.4	0.97	m_e	mb	5.2
WLF	63.54	P	16:26:13.151	-0.1	273.1	6.38	TAS	110.4	1.81	m_e	mb	5.8

Event 10122006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	00:46:48.02			48.4070	153.4540				33.0					77.00	77.00	m i ke	BGR
OrigID 10122012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10122012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	77.00		P	00:58:36.006		27.7		5.05		TAS		20.2	0.86	m_e	mb	5.3

Event 10122007 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	00:48:45.30	1.22	0.71	43.0000	19.2220	144.5	17.8	56	10.0				8 356	4.99	8.83	m i ke	BGR
OrigID 10122013																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	10122013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	4.99		Pn	00:49:57.043	-1.4					T__				m_e	ML	4.0
GEC2	7.00		Sn	00:51:37.844	-0.6					T__				m_e		
GEC2	7.00		Pn	00:50:25.088	-0.4					T__				m_e	ML	4.2
GUNZ	8.75		Pn	00:50:49.827	0.7					T__				m_e		
MOA	5.97		Pn	00:50:11.050	-0.7					T__				m_e	ML	4.4
TRIB	8.82		Pn	00:50:50.662	0.7					T__				m_e		
WERD	8.83		Pn	00:50:50.742	0.6					T__				m_e		
WERN	8.67		Pn	00:50:48.598	0.5					T__				m_e		
WET	7.56		Sn	00:51:52.235	0.6					T__				m_e		

WET 7.56 Pn 00:50:33.229 0.1 T__ m_e ML 4.3

Event 10122005 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	02:47:35.20			33.6790	139.1250				33.0					85.01	85.01	m i ke	BGR
OrigID 10122011																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 10122011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.01		P	03:00:06.228		45.9		4.41		TAS		14.1	0.90	m_e mb	5.2

Event 10122004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	05:48:57.08			42.3520	144.6020				33.0					79.65	79.65	m i ke	BGR
OrigID 10122010																	

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 10122010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.65		P	06:00:59.848		32.1		4.84		TAS		11.7	0.80	m_e mb	4.9

Event 10122003 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	07:34:17.70			2.8600	95.5700				28.5				13	82.50	86.04	m i ke	NEIC
OrigID 10122065																	

Magnitude Err Nsta Author OrigID
mb 5.4 BGR 10122009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.04		P	07:46:57.383		92.5		5.59		TAS		99.5	2.58	m_e mb	5.5
BRG	82.50		P	07:46:37.609	0.5	92.5		5.59		TAS		57.5	2.19	m_e mb	5.4
BSEG	84.90		P	07:46:50.165	0.1	92.5		5.59		TAS		38.8	1.65	m_e mb	5.4
CLL	83.13		P	07:46:40.240	-0.2	92.5		5.59		TAS		30.6	1.78	m_e mb	5.2

CLZ	84.79	P	07:46:49.291	0.3	92.5	5.59	TAS	43.8	2.03	m_e	mb	5.3
GEC2	82.50	P	07:46:37.593	0.2	92.5	5.59	TAS	30.0	1.54	m_e	mb	5.2
GEC2	82.50	pP	07:46:45.405				T__			m_e		
MOX	83.96	P	07:46:45.032	-0.2	92.5	5.59	TAS	17.7	1.61	m_e	mb	5.0
NRDL	84.98	P	07:46:50.663	0.1	92.5	5.59	TAS	71.6	1.99	m_e	mb	5.6
RJOB	83.03	P	07:46:40.296	-0.2	92.5	5.59	TAS	98.3	2.70	m_e	mb	5.6
ROTZ	83.54	P	07:46:43.241	0.2	92.5	5.59	TAS	45.5	1.94	m_e	mb	5.4
TANN	83.41	P	07:46:41.923	-0.3	92.5	5.59	TAS	22.6	1.95	m_e	mb	5.1
WET	83.06	P	07:46:40.130	-0.4	92.5	5.59	TAS	26.4	1.62	m_e	mb	5.2

Event 10122002 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	07:39:12.78			3.8170	92.6210				26.3			8		79.84	84.24	m i ke	BGR
OrigID 10122008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10122008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.24		P	07:51:42.620		94.1		5.28		TAS		8.6	0.74	m_e	mb 5.1
BRG	79.91		P	07:51:19.751	0.3	94.1		5.28		TAS		87.7	2.46	m_e	mb 5.3
BSEG	82.40		P	07:51:32.688		94.1		5.28		TAS		25.6	1.57	m_e	mb 5.1
BUG	84.14		P	07:51:41.698		94.1		5.28		TAS		14.0	1.02	m_e	mb 5.1
CLZ	82.22		P	07:51:32.011		94.1		5.28		TAS		7.2	0.96	m_e	mb 4.8
GEC2	79.84		P	07:51:19.151	0.0	94.1		5.28		TAS		53.4	1.72	m_e	mb 5.2
GEC2	79.84		pP	07:51:26.763						T__				m_e	
NRDL	82.43		P	07:51:32.031		94.1		5.28		TAS	124.5	2.36	m_e	mb	5.6
WET	80.41		P	07:51:21.898	0.3	94.1		5.28		TAS	34.4	1.80	m_e	mb	5.0

Event 10122001 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/22	22:16:42.78			-16.5700	-170.6600				32.2	0.9		12		145.09	146.81	m i ke	BGR
OrigID 10122007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	145.58		PKPbc	22:36:17.355	0.3	3.9		3.49		TAS				m_e	
BRG	145.58		pPKPbc	22:36:26.866	-0.3					T__				m_e	
CLL	145.22		PKPbc	22:36:15.975	-0.3	3.9		3.49		TAS				m_e	
CLL	145.22		pPKPbc	22:36:25.899	0.1					T__				m_e	

FBE	145.58	PKPbc	22:36:17.748	-0.0	3.9	3.49	TAS	m_e
FBE	145.58	pPKPbc	22:36:27.360	0.3			T__	m_e
GUNZ	146.21	pPKPbc	22:36:28.979				T__	m_e
HKWD	145.74	pPKPbc	22:36:27.765	0.1			T__	m_e
MOX	145.96	PKPbc	22:36:18.673		3.9	3.49	TAS	m_e
MOX	145.96	pPKPbc	22:36:28.329	-0.2			T__	m_e
NEUB	145.40	pPKPbc	22:36:26.248	-0.2			T__	m_e
PLN	146.09	pPKPbc	22:36:28.612	-0.3			T__	m_e
ROHR	146.34	pPKPbc	22:36:30.084				T__	m_e
ROTZ	146.81	PKPbc	22:36:21.143		3.9	3.49	TAS	m_e
TAUT	145.62	PKPbc	22:36:17.516	0.1	3.9	3.49	TAS	m_e
TAUT	145.62	pPKPbc	22:36:27.224	0.0			T__	m_e
WIMM	145.09	PKPbc	22:36:15.896	0.0	3.9	3.49	TAS	m_e
WIMM	145.09	pPKPbc	22:36:25.415	0.1			T__	m_e

Event 10123005 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/23	02:50:07.60		0.71	63.7100	-150.6150				10.0				356	66.04	66.04	m i ke	BGR
OrigID 10123011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10123011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	66.04		P	03:00:58.133		348.2		5.84		TAS		16.1	1.43	m_e mb	5.1

Event 10123004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/01/23	14:58:08.12		0.71	-23.0340	171.3210				33.0				10	356	147.12	151.36	m i ke	BGR
OrigID 10123010																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.36		PKPbc	15:17:58.637		37.6		2.66		TAS				a_e	
BRG	147.12		PKPbc	15:17:47.437	-0.5	37.6		2.66		TAS				a_e	
CLL	147.16		PKPbc	15:17:47.337	-0.3	37.6		2.66		TAS				m_e	
CLZ	147.71		PKPbc	15:17:49.437	0.3	37.6		2.66		TAS				a_e	
GEC2	148.74		PKPbc	15:17:52.209		37.6		2.66		TAS				m_e	
GTTG	148.10		PKPbc	15:17:51.287	0.0	37.6		2.66		TAS				a_e	
NRDL	147.26		PKPbc	15:17:47.937	0.0	37.6		2.66		TAS				a_e	

RJOB	149.96	PKPbc	15:17:55.410		37.6	2.66	TAS	m_e
TANN	148.07	PKPbc	15:17:50.592	0.8	37.6	2.66	TAS	m_e
WET	148.88	PKPbc	15:17:52.969		37.6	2.66	TAS	m_e

Event 10123002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/23	19:15:44.67			-20.3800	-175.8800				249.2			32		146.17	151.91	m i ke	BGR
	10123008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.81		PKPbc	19:35:04.540	0.1	11.6		2.52		TAS					m_e
BFO	151.91		PKPbc	19:35:09.402		11.6		2.52		TAS					m_e
BRG	148.60		PKPbc	19:35:01.530	0.2	11.6		2.52		TAS					m_e
BSEG	146.17		PKPbc	19:34:54.781	-0.5	11.6		2.52		TAS					m_e
BUG	148.90		PKPbc	19:35:02.165	0.3	11.6		2.52		TAS					m_e
CLL	148.35		PKPbc	19:35:00.631	0.3	11.6		2.52		TAS					a_e
CLZ	148.22		PKPbc	19:35:01.005	-0.3	11.6		2.52		TAS					m_e
FBE	148.66		PKPbc	19:35:02.031	-0.1	11.6		2.52		TAS					a_e
FUR	151.69		PKPbc	19:35:08.850	-0.1	11.6		2.52		TAS					m_e
GEC2	150.58		PKPbc	19:35:06.331	0.3	11.6		2.52		TAS					a_e
GRA1	150.21		PKPbc	19:35:05.998	0.0	11.6		2.52		TAS					m_e
GTTG	148.56		PKPbc	19:35:01.253	-0.1	11.6		2.52		TAS					m_e
GUNZ	149.38		PKPbc	19:35:03.631	-0.1	11.6		2.52		TAS					a_e
MOX	149.22		PKPbc	19:35:03.031	0.0	11.6		2.52		TAS					a_e
MOX	149.22		pPKPbc	19:36:05.954						T__					m_e
MULD	149.32		PKPbc	19:35:03.431	0.1	11.6		2.52		TAS					m_e
NEUB	148.66		PKPbc	19:35:01.581	-0.4	11.6		2.52		TAS					a_e
NKC	149.49		PKPbc	19:35:04.098	0.2	11.6		2.52		TAS					m_e
NRDL	147.61		PKPbc	19:34:58.850	-0.1	11.6		2.52		TAS					m_e
PLN	149.29		PKPbc	19:35:03.281	-0.0	11.6		2.52		TAS					a_e
RJOB	151.82		PKPbc	19:35:09.734	-0.4	11.6		2.52		TAS					m_e
ROHR	149.51		PKPbc	19:35:04.048	-0.1	11.6		2.52		TAS					m_e
ROTZ	149.98		PKPbc	19:35:05.131	0.5	11.6		2.52		TAS					a_e
SCHF	149.06		PKPbc	19:35:03.021	-0.0	11.6		2.52		TAS					m_e
STU	151.38		PKPbc	19:35:08.583	-0.5	11.6		2.52		TAS					m_e
STU	151.38		PKPab	19:35:17.692						T__					m_e
TANN	149.31		PKPbc	19:35:03.331	0.1	11.6		2.52		TAS					a_e
TAUT	148.88		PKPbc	19:35:01.834	-0.1	11.6		2.52		TAS					m_e
TRIB	149.42		PKPbc	19:35:03.543	0.2	11.6		2.52		TAS					m_e
WERD	149.30		PKPbc	19:35:03.281	-0.0	11.6		2.52		TAS					a_e
WERN	149.45		PKPbc	19:35:03.874	0.3	11.6		2.52		TAS					m_e
WET	150.46		PKPbc	19:35:06.352	-0.4	11.6		2.52		TAS					m_e
WET	150.46		PKPab	19:35:13.441						T__					m_e

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WIMM	148.39	PKPbc	19:35:01.254	-0.1	11.6	2.52	TAS	m_e
WLF	150.74	PKPbc	19:35:07.349	0.1	11.6	2.52	TAS	m_e

Event 10123001 Volcano Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/23	22:51:25.22			25.4780	143.0690				33.0					93.80	93.80	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10123007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.80		P	23:04:38.044		49.6		4.09		TAS		27.6	1.50	m_e mb	5.4

Event 10124004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2011/01/24	01:02:04.92		0.47	-19.6090	-172.5670				33.0					13	245	145.66	151.35	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.34		PKPbc	01:21:54.266		7.1		2.59		TAS				a_e	
BRG	148.38		PKPbc	01:21:47.166	0.6	7.1		2.59		TAS				a_e	
BSEG	145.66		PKPbc	01:21:38.916	-1.1	7.1		2.59		TAS				m_e	
CLL	148.06		PKPbc	01:21:45.966	0.1	7.1		2.59		TAS				a_e	
CLZ	147.75		PKPbc	01:21:46.766	-0.2	7.1		2.59		TAS				a_e	
FUR	151.35		PKPbc	01:21:54.166		7.1		2.59		TAS				a_e	
GEC2	150.40		PKPbc	01:21:52.066		7.1		2.59		TAS				a_e	
GRA1	149.83		PKPbc	01:21:51.316	-0.5	7.1		2.59		TAS				a_e	
NRDL	147.11		PKPbc	01:21:43.716	-0.0	7.1		2.59		TAS				a_e	
ROTZ	149.67		PKPbc	01:21:50.666	-0.5	7.1		2.59		TAS				a_e	
STU	150.87		PKPbc	01:21:53.366		7.1		2.59		TAS				a_e	
WET	150.21		PKPbc	01:21:51.816		7.1		2.59		TAS				a_e	
WLF	150.00		PKPbc	01:21:51.816		7.1		2.59		TAS				a_e	

Event 10124005 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2011/01/24 01:26:44.15 0.93 2.49 43.1520 18.3070 78.9 28.9 58 10.0 7 333 4.29 7.24 m i ke BGR
 10124011

Magnitude Err Nsta Author OrigID
 ML 4.4 BGR 10124011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.55		Sn	01:28:42.277	2.2					T__				m_e	
ARSA	4.55		Pn	01:27:49.615	-1.7					T__				m_e ML	4.3
DAVA	7.24		Pn	01:28:31.600	3.9					T__				m_e	
GEC2	6.53		Pn	01:28:17.391	-0.7					T__				m_e ML	4.3
KBA	5.27		Pn	01:28:01.421	0.3					T__				m_e ML	4.4
MOA	5.49		Pn	01:28:03.523	-0.5					T__				m_e ML	4.4
MOA	5.49		Sn	01:29:07.068	5.0					T__				m_e	
OBKA	4.29		Sg	01:28:58.404	-1.9					T__				m_e	
OBKA	4.29		Pn	01:27:47.387	-0.5					T__				m_e ML	4.7
OBKA	4.29		Pg	01:28:00.957	-4.0					T__				m_e	
WET	7.08		Pn	01:28:25.766	0.3					T__				m_e ML	4.5
WET	7.08		Pg	01:28:54.947	-2.4					T__				m_e	

Event 10124003 Tajikistan-Xinjiang border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2011/01/24 02:45:16.93 0.47 38.0700 73.4800 33.0 20 245 43.23 48.36 m i ke BGR
 10124009

Magnitude Err Nsta Author OrigID
 mb 6.4 BGR 10124009
 MBB 6.6 BGR 10124009
 Ms 5.2 BGR 10124009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.59		P	02:53:51.197	-0.2	81.2		7.88		TAS		455.5	1.12	a_e MBB	6.7
BFO	47.26		P	02:53:48.197	-0.3	81.2		7.88		TAS		433.0	1.43	a_e MBB	6.5
BRG	43.23		P	02:53:16.597	-0.5	81.2		7.88		TAS		986.5	1.55	m_e MBB	6.4
BSEG	45.10		P	02:53:31.697	0.7	81.2		7.88		TAS		828.6	1.21	a_e MBB	6.7
BUG	47.30		P	02:53:48.797	-0.2	81.2		7.88		TAS		597.6	1.31	a_e MBB	6.8
CLL	43.77		P	02:53:20.397	-0.9	81.2		7.88		TAS		462.2	1.22	a_e MBB	6.3
CLZ	45.33		P	02:53:33.347	-0.1	81.2		7.88		TAS		457.1	1.13	a_e MBB	6.5
FUR	45.37		P	02:53:34.047	0.6	81.2		7.88		TAS		881.7	0.99	a_e MBB	6.9
GEC2	43.66		P	02:53:20.347	0.2	81.2		7.88		TAS		371.2	1.23	a_e MBB	6.3
GRA1	45.13		L	03:11:32.824						T__		3880.0	19.90	a_e Ms	5.3
GRA1	45.13		P	02:53:32.597	0.7	81.2		7.88		TAS		1030.7	1.26	a_e MBB	6.8
GTTG	45.62		P	02:53:35.747	-0.1	81.2		7.88		TAS		1080.0	1.17	a_e MBB	6.9
IBBN	46.85		P	02:53:45.247	-0.0	81.2		7.88		TAS		1075.8	1.41	a_e MBB	7.0

IBBN	46.85	PP	02:55:38.919							T__							m_e	
MOX	44.73	L	03:14:20.104							T__	1910.9	21.60	a_e	Ms			5.0	
MOX	44.73	P	02:53:28.547	-0.3	81.2			7.88		TAS	513.0	1.34	m_e	MBB			6.5	
NRDL	45.40	P	02:53:34.147	0.3	81.2			7.88		TAS	922.7	1.20	a_e	MBB			6.8	
RJOB	44.45	P	02:53:25.997	-0.0	81.2			7.88		TAS	215.8	1.01	a_e	MBB			6.2	
ROTZ	44.48	P	02:53:27.297	0.4	81.2			7.88		TAS	434.5	1.31	a_e	MBB			6.3	
STU	46.61	P	02:53:43.497	0.0	81.2			7.88		TAS	548.5	1.33	a_e	MBB			6.7	
TANN	44.23	P	02:53:24.647	-0.2	81.2			7.88		TAS	489.0	1.50	m_e	MBB			6.2	
WET	44.15	P	02:53:24.097	-0.0	81.2			7.88		TAS	486.7	1.39	a_e	MBB			6.3	
WLF	48.36	P	02:53:57.397	-0.1	81.2			7.88		TAS	534.4	1.24	a_e	MBB			6.7	
WLF	48.36	PP	02:55:54.142							T__							m_e	

Event 10124001 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/24	18:52:29.87			-19.6260	171.3130				43.0				8	144.81	146.04	m i ke	BGR
10124007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.04		PKPbc	19:12:04.232		35.0		3.17		TAS					m_e
GUNZ	145.08		PKPbc	19:12:01.127		35.0		3.17		TAS					m_e
MOX	145.12		PKPbc	19:12:01.127		35.0		3.17		TAS					m_e
MOX	145.12		pPKPbc	19:12:14.018						T__					m_e
PLN	145.05		PKPbc	19:12:01.096		35.0		3.17		TAS					m_e
ROTZ	145.61		PKPbc	19:12:02.828		35.0		3.17		TAS					m_e
TAUT	144.81		PKPbc	19:12:00.404	0.0	35.0		3.17		TAS					m_e
WERD	145.02		PKPbc	19:12:00.768		35.0		3.17		TAS					m_e
WERN	145.12		PKPbc	19:12:01.463		35.0		3.17		TAS					m_e

Event 10125003 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/25	05:24:44.07		2.49	35.5030	141.9710				33.0				18 333	81.63	86.86	m i ke	BGR
10125009																	

Magnitude Err Nsta Author OrigID

mb	5.9		BGR	10125009
Ms	5.3		BGR	10125009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.54		P	05:37:17.332	0.1	38.3		5.06		TAS		92.3	1.02	a_e	mb	5.9

BFO	86.86	P	05:37:23.532	-0.4	38.3	5.06	TAS	101.0	1.06	a_e	mb	5.9
BRG	82.60	P	05:37:02.082	-0.3	38.3	5.06	TAS	57.6	1.03	a_e	mb	5.7
BRG	82.60	PP	05:40:09.177				T__				m_e	
BSEG	81.63	P	05:36:56.640	-0.1	38.3	5.06	TAS	121.4	1.06	m_e	mb	6.0
BUG	84.74	P	05:37:13.132	-0.0	38.3	5.06	TAS	82.0	1.45	a_e	mb	5.8
CLZ	83.26	P	05:37:05.932	0.2	38.3	5.06	TAS	106.0	1.07	a_e	mb	6.0
FUR	85.80	P	05:37:18.482	-0.1	38.3	5.06	TAS	141.8	0.98	a_e	mb	6.1
GEC2	84.25	P	05:37:10.482	-0.3	38.3	5.06	TAS	50.4	1.01	a_e	mb	5.7
GRA1	84.62	L	06:14:49.429				T__	2053.0	20.80	a_e	Ms	5.5
GRA1	84.62	P	05:37:13.082	0.5	38.3	5.06	TAS	183.3	1.08	a_e	mb	6.2
GTTG	83.65	P	05:37:07.682	-0.0	38.3	5.06	TAS	69.8	1.03	a_e	mb	5.8
IBBN	83.86	P	05:37:08.482	-0.2	38.3	5.06	TAS	102.7	1.03	a_e	mb	6.0
MOX	83.72	L	06:20:04.311				T__	695.9	20.20	a_e	Ms	5.0
MOX	83.72	P	05:37:08.032	-0.0	38.3	5.06	TAS	51.5	1.13	a_e	mb	5.7
RJOB	85.49	P	05:37:17.132	0.1	38.3	5.06	TAS	63.9	1.05	a_e	mb	5.8
RJOB	85.49	PP	05:40:34.463				T__				m_e	
ROTZ	84.16	P	05:37:10.882	0.6	38.3	5.06	TAS	123.4	1.34	a_e	mb	6.0
STU	86.16	P	05:37:20.182	-0.2	38.3	5.06	TAS	157.6	0.97	a_e	mb	6.1
TANN	83.56	P	05:37:07.232	-0.0	38.3	5.06	TAS	31.7	1.20	a_e	mb	5.4
WET	84.37	P	05:37:11.482	0.1	38.3	5.06	TAS	53.7	1.08	a_e	mb	5.7
WLF	86.60	P	05:37:22.932	0.3	38.3	5.06	TAS	96.9	1.24	a_e	mb	5.8

Event 10125002 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/25	08:30:06.86			-21.0700	168.8800				38.7			23		145.00	148.63	m i ke	BGR
10125008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.63		PKPbc	08:49:49.226		36.9		3.13		TAS				m_e	
FUR	147.52		PKPbc	08:49:46.739		36.9		3.13		TAS				a_e	
GEC2	145.92		PKPbc	08:49:41.639		36.9		3.13		TAS				a_e	
GTTG	145.42		PKPbc	08:49:39.939	-0.1	36.9		3.13		TAS				a_e	
GUNZ	145.41		PKPbc	08:49:40.039		36.9		3.13		TAS				a_e	
IBBN	145.56		PKPbc	08:49:40.189	0.1	36.9		3.13		TAS				a_e	
MOX	145.49		PKPbc	08:49:40.089	0.2	36.9		3.13		TAS				a_e	
MOX	145.49		pPKPbc	08:49:51.672						T__				m_e	
MULD	145.34		PKPbc	08:49:39.739	-0.0	36.9		3.13		TAS				a_e	
NEUB	145.00		PKPbc	08:49:38.439	-0.1	36.9		3.13		TAS				a_e	
NKC	145.46		PKPbc	08:49:40.239		36.9		3.13		TAS				a_e	
PLN	145.39		PKPbc	08:49:39.889	0.4	36.9		3.13		TAS				a_e	
RJOB	147.14		PKPbc	08:49:45.169		36.9		3.13		TAS				m_e	
ROHR	145.51		PKPbc	08:49:40.489		36.9		3.13		TAS				a_e	
ROTZ	145.91		PKPbc	08:49:41.516		36.9		3.13		TAS				m_e	

SCHD	145.74	PKPbc	08:49:40.567	36.9	3.13	TAS	m_e
STU	147.94	PKPbc	08:49:47.789	36.9	3.13	TAS	a_e
TANN	145.32	PKPbc	08:49:39.639	0.0 36.9	3.13	TAS	a_e
TAUT	145.19	PKPbc	08:49:39.139	-0.1 36.9	3.13	TAS	a_e
TRIB	145.50	PKPbc	08:49:40.189	36.9	3.13	TAS	a_e
WERD	145.36	PKPbc	08:49:39.739	-0.3 36.9	3.13	TAS	m_e
WERN	145.45	PKPbc	08:49:40.339	36.9	3.13	TAS	a_e
WET	146.08	PKPbc	08:49:42.133	36.9	3.13	TAS	m_e
WLF	148.34	PKPbc	08:49:49.392	36.9	3.13	TAS	m_e

Event 10125001 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/25	13:18:11.70			-30.0000	-177.9100				43.6			9		155.35	161.08	m i ke	NEIC
	10125063																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	159.14		PKPdf	13:38:03.725		30.0		0.96		TAS				m_e	
AHRW	159.14		PKPab	13:38:40.727	-0.1	19.2		4.34		TAS				a_e	
BFO	161.08		PKPab	13:38:48.977		19.2		4.34		TAS				a_e	
BRG	157.34		PKPdf	13:38:01.291	0.5	30.0		0.96		TAS				m_e	
BRG	157.34		PKPab	13:38:32.927	-0.5	19.2		4.34		TAS				a_e	
BSEG	155.35		PKPdf	13:37:59.881	-0.0	30.0		0.96		TAS				m_e	
BSEG	155.35		PKPab	13:38:24.327	0.2	19.2		4.34		TAS				m_e	
BUG	158.24		PKPab	13:38:36.327	-0.6	19.2		4.34		TAS				a_e	
CLL	157.21		PKPdf	13:38:01.098	-0.2	30.0		0.96		TAS				m_e	
CLL	157.21		PKPab	13:38:32.077	-0.5	19.2		4.34		TAS				a_e	
CLZ	157.33		PKPdf	13:38:01.611	-0.1	30.0		0.96		TAS				m_e	
CLZ	157.33		PKPab	13:38:33.027	0.3	19.2		4.34		TAS				a_e	
FBE	157.46		PKPdf	13:38:01.949	0.5	30.0		0.96		TAS				m_e	
FBE	157.46		PKPab	13:38:34.253	0.5	19.2		4.34		TAS				m_e	
FUR	160.54		PKPab	13:38:47.277	-0.1	19.2		4.34		TAS				a_e	
GEC2	159.20		PKPdf	13:38:02.972		30.0		0.96		TAS				m_e	
GEC2	159.20		PKPab	13:38:41.227	-0.6	19.2		4.34		TAS				m_e	
GRA1	159.15		PKPab	13:38:41.327	0.5	19.2		4.34		TAS				a_e	
GTTG	157.69		PKPab	13:38:34.427	0.1	19.2		4.34		TAS				a_e	
GUNZ	158.25		PKPdf	13:38:02.732		30.0		0.96		TAS				m_e	
GUNZ	158.25		PKPab	13:38:37.177	0.1	19.2		4.34		TAS				a_e	
IBBN	157.32		PKPab	13:38:32.827	-0.1	19.2		4.34		TAS				a_e	
MOX	158.17		PKPab	13:38:36.477	-0.1	19.2		4.34		TAS				a_e	
MULD	158.18		PKPab	13:38:36.827	0.1	19.2		4.34		TAS				a_e	
NEUB	157.63		PKPab	13:38:33.977	-0.2	19.2		4.34		TAS				a_e	
NKC	158.33		PKPab	13:38:37.577	0.1	19.2		4.34		TAS				a_e	
PLN	158.18		PKPab	13:38:36.777	0.1	19.2		4.34		TAS				a_e	

RJOB	160.46	PKPab	13:38:47.027	-0.3	19.2	4.34	TAS	a_e
ROHR	158.37	PKPab	13:38:37.727	0.1	19.2	4.34	TAS	a_e
ROTZ	158.82	PKPab	13:38:40.027	0.4	19.2	4.34	TAS	a_e
SCHD	158.37	PKPab	13:38:37.277	-0.1	19.2	4.34	TAS	a_e
SCHF	157.94	PKPab	13:38:35.727	0.0	19.2	4.34	TAS	m_e
TANN	158.17	PKPab	13:38:36.777	0.1	19.2	4.34	TAS	a_e
TAUT	157.84	PKPab	13:38:35.077	-0.0	19.2	4.34	TAS	a_e
TRIB	158.31	PKPab	13:38:37.227	-0.0	19.2	4.34	TAS	a_e
WERD	158.18	PKPdf	13:38:01.707		30.0	0.96	TAS	m_e
WERD	158.18	PKPab	13:38:36.727	0.0	19.2	4.34	TAS	a_e
WERN	158.30	PKPab	13:38:37.527	0.2	19.2	4.34	TAS	a_e
WET	159.19	PKPab	13:38:41.477	0.0	19.2	4.34	TAS	a_e
WIMM	157.39	PKPab	13:38:32.927	-0.1	19.2	4.34	TAS	a_e
WLF	160.12	PKPab	13:38:45.377	0.2	19.2	4.34	TAS	a_e

Event 10126006 Mauritius - Reunion region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/25	23:57:48.32		0.44	-17.3500	63.7200				33.0			24	308	79.18	83.03	m i ke	BGR
OrigID 10126012																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 10126012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	81.88		P	00:10:04.859	-0.4	126.1		6.18		TAS		10.4	1.06	m_e mb	4.9
BRG	80.71		P	00:09:58.624	0.3	126.1		6.18		TAS		7.4	1.11	m_e mb	4.6
CLL	81.44		P	00:10:02.524	-0.1	126.1		6.18		TAS		9.8	1.04	m_e mb	4.8
CLZ	83.03		P	00:10:10.507		126.1		6.18		TAS		13.4	1.05	m_e mb	5.1
FBE	81.02		P	00:10:00.234	0.1	126.1		6.18		TAS		17.4	1.12	m_e mb	5.0
FUR	80.24		P	00:09:56.317	0.1	126.1		6.18		TAS		34.0	1.00	a_e mb	5.2
GEC2	79.46		P	00:09:51.572	-0.4	126.1		6.18		TAS		6.2	1.07	m_e mb	4.6
GRA1	81.24		P	00:10:01.338	0.1	126.1		6.18		TAS		13.1	0.85	m_e mb	5.0
GUNZ	81.14		P	00:10:01.017	0.1	126.1		6.18		TAS		17.0	1.28	a_e mb	4.9
HKWD	81.47		P	00:10:02.517	0.2	126.1		6.18		TAS		9.2	0.84	a_e mb	4.8
MOX	81.67		P	00:10:03.517	0.1	126.1		6.18		TAS		6.9	0.89	m_e mb	4.8
MULD	81.13		P	00:10:00.907	0.0	126.1		6.18		TAS		5.2	1.39	m_e mb	4.4
NEUB	81.95		P	00:10:05.033		126.1		6.18		TAS		17.9	0.92	m_e mb	5.2
NKC	80.99		P	00:10:00.367	0.1	126.1		6.18		TAS		28.8	1.43	m_e mb	5.1
PLN	81.30		P	00:10:02.067	-0.1	126.1		6.18		TAS		13.8	1.56	a_e mb	4.7
RJOB	79.18		P	00:09:50.110	-0.4	126.1		6.18		TAS		7.5	0.78	m_e mb	4.8
ROHR	81.06		P	00:10:00.567	0.1	126.1		6.18		TAS		6.4	1.13	a_e mb	4.6
STU	81.70		P	00:10:03.657	-0.1	126.1		6.18		TAS		12.7	0.92	m_e mb	5.0
TANN	81.11		P	00:10:00.817	0.2	126.1		6.18		TAS		9.9	1.12	a_e mb	4.7
TAUT	81.84		P	00:10:04.755	-0.5	126.1		6.18		TAS		16.7	0.91	m_e mb	5.2
TRIB	81.22		P	00:10:01.437	0.4	126.1		6.18		TAS		8.3	1.06	m_e mb	4.7

WERD	81.20	P	00:10:01.217	-0.1	126.1	6.18	TAS	12.3	1.45	a_e	mb	4.7
WERN	81.06	P	00:10:00.567	0.1	126.1	6.18	TAS	13.7	1.10	a_e	mb	4.9
WIMM	82.29	P	00:10:06.466		126.1	6.18	TAS	9.6	0.85	m_e	mb	5.0

Event 10126005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/26	05:32:48.76		0.44	-20.6950	170.5260				36.1			10	308	145.28	146.71	m i ke	BGR
OrigID 10126011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLZ	145.28		PKPbc	05:52:21.873	-0.1	37.0		2.98		TAS				m_e	
GRA1	146.71		PKPbc	05:52:25.775		37.0		2.98		TAS				m_e	
GUNZ	145.75		PKPbc	05:52:23.021		37.0		2.98		TAS				m_e	
NKC	145.80		PKPbc	05:52:23.758		37.0		2.98		TAS				m_e	
PLN	145.72		PKPbc	05:52:22.690		37.0		2.98		TAS				m_e	
ROHR	145.85		PKPbc	05:52:23.326		37.0		2.98		TAS				m_e	
ROTZ	146.26		PKPbc	05:52:24.816		37.0		2.98		TAS				m_e	
ROTZ	146.26		pPKPbc	05:52:35.648						T__				m_e	
TANN	145.65		PKPbc	05:52:22.381		37.0		2.98		TAS				m_e	
TAUT	145.49		PKPbc	05:52:22.209	0.2	37.0		2.98		TAS				m_e	
WERN	145.79		PKPbc	05:52:23.199		37.0		2.98		TAS				m_e	

Event 10126004 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/26	08:01:30.60		0.44	-5.5300	147.0700				211.0			18	308	120.34	125.09	m i ke	NEIC
OrigID 10126066																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	124.07		PKPdf	08:20:02.976	0.0	55.3		1.96		TAS				a_e	
BFO	124.80		PKPdf	08:20:03.726	-0.4	55.3		1.96		TAS				a_e	
BRG	120.34		PKPdf	08:19:55.576	0.1	55.3		1.96		TAS				a_e	
BSEG	120.39		PKPdf	08:19:55.876	-0.1	55.3		1.96		TAS				a_e	
BUG	123.40		PKPdf	08:20:01.376	-0.3	55.3		1.96		TAS				a_e	
CLL	120.60		PKPdf	08:19:55.776	-0.2	55.3		1.96		TAS				m_e	
CLZ	121.64		PKPdf	08:19:58.326	0.2	55.3		1.96		TAS				a_e	
FUR	123.29		PKPdf	08:20:01.276	0.6	55.3		1.96		TAS				a_e	
GEC2	121.56		PKPdf	08:19:57.826	0.1	55.3		1.96		TAS				m_e	

GRA1	122.45	PKPdf	08:19:59.526	-0.1	55.3	1.96	TAS	a_e
GTTG	122.02	PKPdf	08:19:58.976	0.1	55.3	1.96	TAS	a_e
IBBN	122.62	PKPdf	08:20:00.076	-0.2	55.3	1.96	TAS	a_e
MOX	121.70	PKPdf	08:19:58.126	-0.0	55.3	1.96	TAS	a_e
RJOB	122.66	PKPdf	08:19:59.526		55.3	1.96	TAS	a_e
ROTZ	121.88	PKPdf	08:19:58.676	0.2	55.3	1.96	TAS	a_e
TANN	121.39	PKPdf	08:19:57.576	0.1	55.3	1.96	TAS	a_e
WET	121.86	PKPdf	08:19:58.626	0.3	55.3	1.96	TAS	a_e
WLF	125.09	PKPdf	08:20:05.476	-0.4	55.3	1.96	TAS	a_e

Event 10126003 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/26	15:42:32.23		0.44	1.7100	95.9800				33.0			11	308	83.63	87.99	m i ke	BGR
10126009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10126009
Ms	5.7		BGR	10126009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.99		S	16:06:10.043		92.1		9.99		TAS				m_e	
AHRW	87.99		P	15:55:19.679		93.1		4.94		TAS		184.6	1.92	a_e mb	6.1
BFO	87.17		S	16:05:58.640		92.1		9.99		TAS				m_e	
BFO	87.17		P	15:55:14.879		93.1		4.94		TAS		74.6	1.84	a_e mb	5.5
BRG	83.65		S	16:05:25.798	-1.2	92.1		9.99		TAS				m_e	
BRG	83.65		P	15:54:57.829	-0.1	93.1		4.94		TAS		142.0	1.85	m_e mb	5.9
BSEG	86.07		S	16:05:48.301		92.1		9.99		TAS				m_e	
BSEG	86.07		P	15:55:09.879	0.3	93.1		4.94		TAS		169.2	1.76	a_e mb	5.9
BUG	87.87		S	16:06:07.399		92.1		9.99		TAS				m_e	
BUG	87.87		P	15:55:18.729		93.1		4.94		TAS		120.7	1.41	a_e mb	6.0
CLL	84.27		S	16:05:29.578	-1.1	92.1		9.99		TAS				m_e	
CLL	84.27		P	15:55:00.479	-0.1	93.1		4.94		TAS		56.0	1.56	a_e mb	5.6
CLZ	85.94		S	16:05:46.084		92.1		9.99		TAS				m_e	
CLZ	85.94		P	15:55:09.279	-0.0	93.1		4.94		TAS		76.1	1.68	a_e mb	5.6
GEC2	83.63		S	16:05:23.833	-0.9	92.1		9.99		TAS				m_e	
GEC2	83.63		P	15:54:58.029	0.2	93.1		4.94		TAS		184.7	1.65	a_e mb	6.0
GRA1	85.31		S	16:05:41.696	-0.1	92.1		9.99		TAS				m_e	
GRA1	85.31		L	16:38:30.614						T__		3733.6	20.80	a_e Ms	5.8
GRA1	85.31		P	15:55:06.386		93.1		4.94		TAS				m_e	
IBBN	87.57		S	16:06:02.477		92.1		9.99		TAS				m_e	
IBBN	87.57		P	15:55:17.329		93.1		4.94		TAS		130.3	1.42	a_e mb	6.1
MOX	85.10		S	16:05:39.940		92.1		9.99		TAS				m_e	
MOX	85.10		L	16:41:46.950						T__		3025.7	20.00	a_e Ms	5.7
MOX	85.10		P	15:55:05.029	-0.1	93.1		4.94		TAS		71.6	1.64	a_e mb	5.6
ROTZ	84.67		S	16:05:36.892		92.1		9.99		TAS				m_e	

ROTZ	84.67	P	15:55:03.429	0.0	93.1	4.94	TAS	57.2	1.33	a_e	mb	5.6
STU	86.60	P	15:55:12.329		93.1	4.94	TAS	108.6	1.94	a_e	mb	5.6

Event 10126002 Santa Cruz Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/26	17:03:31.20		0.44	-11.0300	166.3200				157.4			8	308	133.13	138.50	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	137.07		PKPdf	17:22:35.733	0.2	36.7		2.01		TAS				a_e	
AHRW	137.07		PP	17:25:20.857		36.8		6.38		TAS				m_e	
AHRW	137.07		pPP	17:25:59.389		43.6		4.01		TAS				a_e	
BFO	138.50		PP	17:25:29.328		36.8		6.38		TAS				m_e	
BRG	134.28		PKPdf	17:22:30.233	0.3	36.7		2.01		TAS				a_e	
BSEG	133.13		PKPdf	17:22:27.883	-0.3	36.7		2.01		TAS				a_e	
BSEG	133.13		pPP	17:25:43.989	1.0	43.6		4.01		TAS				a_e	
CLL	134.31		PKPdf	17:22:30.033	-0.1	36.7		2.01		TAS				m_e	
CLZ	134.85		PKPdf	17:22:31.583	0.2	36.7		2.01		TAS				a_e	
FUR	137.49		PKPdf	17:22:36.533	0.5	36.7		2.01		TAS				a_e	
FUR	137.49		pPP	17:25:59.439		43.6		4.01		TAS				a_e	
GEC2	135.94		PKPdf	17:22:33.483	0.2	36.7		2.01		TAS				a_e	
GRA1	136.29		pPP	17:25:54.519		43.6		4.01		TAS				m_e	
GTTG	135.24		PKPdf	17:22:32.133	-0.0	36.7		2.01		TAS				a_e	
IBBN	135.33		PKPdf	17:22:32.233	-0.4	36.7		2.01		TAS				a_e	
IBBN	135.33		pPP	17:25:51.189	0.6	43.6		4.01		TAS				a_e	
MOX	135.38		PKPdf	17:22:32.233	-0.0	36.7		2.01		TAS				a_e	
MOX	135.38		PP	17:25:09.543		36.8		6.38		TAS				m_e	
RJOB	137.18		PKPdf	17:22:34.283	0.3	36.7		2.01		TAS				a_e	
RJOB	137.18		pPP	17:25:57.207		43.6		4.01		TAS				m_e	
ROTZ	135.84		PKPdf	17:22:33.483	0.4	36.7		2.01		TAS				m_e	
STU	137.82		PKPdf	17:22:37.433		36.7		2.01		TAS				a_e	
STU	137.82		PP	17:25:25.528		36.8		6.38		TAS				m_e	
TANN	135.23		PKPdf	17:22:32.133	0.2	36.7		2.01		TAS				a_e	
TNS	136.88		PKPdf	17:22:35.433	-1.4	36.7		2.01		TAS				a_e	
TNS	136.88		pPP	17:25:55.739		43.6		4.01		TAS				a_e	
WET	136.06		PKPdf	17:22:33.883	0.4	36.7		2.01		TAS				a_e	
WET	136.06		pPP	17:25:50.439		43.6		4.01		TAS				m_e	
WLF	138.12		PKPdf	17:22:38.583		36.7		2.01		TAS				m_e	

Event 10127005 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/27	00:59:40.24		1.07	-15.9550	-172.7740				33.0			9	134	145.22	147.98	m i ke	BGR
OrigID 10127011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	146.77		PKPbc	01:19:17.166		6.9		3.05		TAS				m_e	
GRA1	146.19		PKPbc	01:19:16.411		6.9		3.05		TAS				m_e	
MOX	145.22		PKPbc	01:19:12.180	-0.0	6.9		3.05		TAS				m_e	
RJOB	147.98		PKPbc	01:19:20.901		6.9		3.05		TAS				m_e	
ROTZ	146.03		PKPbc	01:19:15.696		6.9		3.05		TAS				m_e	
STU	147.23		PKPbc	01:19:18.835		6.9		3.05		TAS				m_e	
TANN	145.37		PKPbc	01:19:12.977		6.9		3.05		TAS				m_e	
TNS	145.81		PKPbc	01:19:14.345		6.9		3.05		TAS				m_e	
WET	146.58		PKPbc	01:19:17.166		6.9		3.05		TAS				m_e	

Event 10127003 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/27	07:02:00.48			27.6720	58.8630				10.0					42.32	42.32	m i ke	BGR
OrigID 10127009																	

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 10127009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	42.32		P	07:09:54.001		110.8		8.62		TAS		8.1	1.12	m_e mb	4.4

Event 10127002 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/27	08:38:28.60			28.1800	58.9600				10.7				17	40.25	44.85	m i ke	NEIC
OrigID 10127063																	

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 10127008
Ms 6.0 BGR 10127008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	44.81		P	08:46:42.637	-0.2	102.6		8.44		TAS		232.8	2.25	a_e mb	5.7
BFO	43.65		P	08:46:31.901	-0.2	102.6		8.44		TAS		92.6	1.97	m_e mb	5.2

BRG	40.64	P	08:46:09.050	0.4	102.6	8.44	TAS	16.7	1.17	m_e	mb	4.7
BSEG	43.63	P	08:46:35.237	-0.6	102.6	8.44	TAS	59.6	1.33	a_e	mb	5.1
BUG	44.85	P	08:46:43.791		102.6	8.44	TAS	99.0	1.44	m_e	mb	5.5
CLL	41.33	P	08:46:13.987	-0.6	102.6	8.44	TAS	165.0	1.72	a_e	mb	5.5
CLZ	43.05	P	08:46:28.266	4.3	102.6	8.44	TAS	61.4	1.34	m_e	mb	5.2
FUR	41.68	P	08:46:16.017	-0.1	102.6	8.44	TAS	83.8	1.16	m_e	mb	5.4
GEC2	40.25	P	08:46:04.737	0.3	102.6	8.44	TAS	141.1	1.03	m_e	mb	5.5
GRA1	42.03	S	08:52:37.603				T__				m_e	
GRA1	42.03	L	09:04:41.093				T__	17798.8	18.10	a_e	Ms	6.0
GRA1	42.03	P	08:46:19.527	-4.9	102.6	8.44	TAS	127.4	1.19	m_e	mb	5.5
GTTG	43.23	P	08:46:34.856	-0.1	102.6	8.44	TAS	67.4	1.46	m_e	mb	5.2
MOX	42.00	S	08:52:34.559				T__				m_e	
MOX	42.00	L	09:11:08.919				T__	15845.6	18.60	a_e	Ms	5.9
MOX	42.00	P	08:46:19.135	0.0	102.6	8.44	TAS	66.5	1.89	m_e	mb	5.0
RJOB	40.60	P	08:46:07.715	1.4	102.6	8.44	TAS	224.0	0.81	m_e	mb	5.9
ROTZ	41.43	P	08:46:14.543	-0.1	102.6	8.44	TAS	73.9	1.40	m_e	mb	5.2
STU	43.16	P	08:46:28.286	-0.9	102.6	8.44	TAS	31.4	0.87	m_e	mb	5.1
TNS	43.89	P	08:46:35.186	0.9	102.6	8.44	TAS	281.7	2.05	m_e	mb	5.6
WET	40.85	P	08:46:09.445	-0.1	102.6	8.44	TAS	196.7	1.93	m_e	mb	5.5

Event 10127001 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/27	16:17:21.94			-19.6100	-171.4960			55.8				13		145.71	151.73	m i ke	BGR
	10127007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.35		PKPbc	16:37:09.762		5.1		2.58		TAS				m_e	
BRG	148.51		PKPbc	16:37:02.424	-0.0	5.1		2.58		TAS				m_e	
BSEG	145.71		PKPbc	16:36:54.454	-0.7	5.1		2.58		TAS				a_e	
CLL	148.17		PKPbc	16:37:01.404	0.5	5.1		2.58		TAS				m_e	
CLZ	147.80		PKPbc	16:37:00.854	-0.1	5.1		2.58		TAS				a_e	
FUR	151.43		PKPbc	16:37:09.654		5.1		2.58		TAS				a_e	
GEC2	150.53		PKPbc	16:37:07.604		5.1		2.58		TAS				a_e	
GEC2	150.53		pPKPbc	16:37:24.069						T__				m_e	
MOX	148.94		PKPbc	16:37:04.046	0.3	5.1		2.58		TAS				m_e	
NRDL	147.16		PKPbc	16:36:59.147	0.2	5.1		2.58		TAS				m_e	
RJOB	151.73		PKPbc	16:37:10.154		5.1		2.58		TAS				a_e	
ROTZ	149.77		PKPbc	16:37:06.104	-0.6	5.1		2.58		TAS				a_e	
WET	150.33		PKPbc	16:37:07.404		5.1		2.58		TAS				a_e	
WLF	149.96		PKPbc	16:37:06.512		5.1		2.58		TAS				m_e	

Event 10128003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/28	12:37:18.90		0.28	-21.3200	-178.6800				563.7				24 143	146.81	152.47	m i ke	NEIC
10128065																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.49		PKPbc	12:56:06.834	0.0	17.2		2.34		TAS					m_e
ASSE	148.40		PKPbc	12:56:01.827	-0.1	17.2		2.34		TAS					m_e
ASSE	148.40		PKPab	12:56:07.193	0.2	16.0		4.30		TAS					m_e
BFO	152.47		PKPbc	12:56:11.079		17.2		2.34		TAS					m_e
BFO	152.47		PKPab	12:56:24.120		16.0		4.30		TAS					m_e
BRG	148.88		PKPbc	12:56:03.108	0.3	17.2		2.34		TAS					m_e
BRG	148.88		PKPab	12:56:09.429	0.0	16.0		4.30		TAS					m_e
BUG	149.58		PKPbc	12:56:04.436	0.1	17.2		2.34		TAS					m_e
CLL	148.71		PKPbc	12:56:02.538	-0.1	17.2		2.34		TAS					m_e
CLL	148.71		PKPab	12:56:08.466	-0.0	16.0		4.30		TAS					m_e
CLZ	148.73		PKPbc	12:56:02.965	-0.1	17.2		2.34		TAS					m_e
FBE	148.98		PKPbc	12:56:03.694	0.1	17.2		2.34		TAS					m_e
FBE	148.98		PKPab	12:56:10.169	0.1	16.0		4.30		TAS					m_e
FLT1	148.11		PKPbc	12:56:00.925	-0.1	17.2		2.34		TAS					m_e
FLT1	148.11		PKPab	12:56:05.475	-0.2	16.0		4.30		TAS					m_e
FUR	152.05		PKPbc	12:56:10.319	-0.7	17.2		2.34		TAS					m_e
FUR	152.05		PKPab	12:56:23.157		16.0		4.30		TAS					m_e
GEC2	150.81		PKPbc	12:56:07.636	0.4	17.2		2.34		TAS					m_e
GEC2	150.81		PKPab	12:56:17.866		16.0		4.30		TAS					m_e
GRA1	150.62		PKPbc	12:56:07.283	-0.1	17.2		2.34		TAS					m_e
GRA1	150.62		PKPab	12:56:17.007	-0.4	16.0		4.30		TAS					m_e
GUNZ	149.74		PKPbc	12:56:05.290	0.3	17.2		2.34		TAS					m_e
GUNZ	149.74		PKPab	12:56:13.261	-0.0	16.0		4.30		TAS					m_e
HLG	146.81		PKPbc	12:55:58.031	-0.3	17.2		2.34		TAS					m_e
IBBN	148.67		PKPbc	12:56:02.444	0.3	17.2		2.34		TAS					m_e
IBBN	148.67		PKPab	12:56:08.400		16.0		4.30		TAS					m_e
MANZ	150.15		PKPbc	12:56:06.239	0.2	17.2		2.34		TAS					m_e
MANZ	150.15		PKPab	12:56:14.796	0.2	16.0		4.30		TAS					m_e
MOX	149.63		PKPbc	12:56:04.863	0.1	17.2		2.34		TAS					m_e
MOX	149.63		PKPab	12:56:12.354	-0.0	16.0		4.30		TAS					m_e
NEUB	149.08		PKPbc	12:56:03.535	-0.3	17.2		2.34		TAS					m_e
NEUB	149.08		PKPab	12:56:10.100	0.2	16.0		4.30		TAS					m_e
NRDL	148.15		PKPbc	12:56:01.115	-0.0	17.2		2.34		TAS					m_e
NRDL	148.15		PKPab	12:56:05.989	-0.3	16.0		4.30		TAS					m_e
PLN	149.66		PKPbc	12:56:05.006	0.2	17.2		2.34		TAS					m_e
PLN	149.66		PKPab	12:56:12.712	0.3	16.0		4.30		TAS					m_e
RJOB	152.06		PKPbc	12:56:09.987	-0.3	17.2		2.34		TAS					m_e
RJOB	152.06		PKPab	12:56:23.604		16.0		4.30		TAS					m_e
ROTZ	150.33		PKPbc	12:56:06.666	-0.0	17.2		2.34		TAS					m_e

ROTZ	150.33	PKPab	12:56:15.976	-0.1	16.0	4.30	TAS	m_e
RUE	147.44	PKPbc	12:55:59.360	-0.2	17.2	2.34	TAS	m_e
STU	151.90	PKPbc	12:56:10.177	-0.2	17.2	2.34	TAS	m_e
STU	151.90	PKPab	12:56:21.918		16.0	4.30	TAS	m_e
TANN	149.66	PKPbc	12:56:05.053	0.2	17.2	2.34	TAS	m_e
TANN	149.66	PKPab	12:56:12.815	-0.0	16.0	4.30	TAS	m_e
TNS	150.61	PKPbc	12:56:07.093	0.2	17.2	2.34	TAS	m_e
TNS	150.61	PKPab	12:56:16.482	0.1	16.0	4.30	TAS	m_e
WERD	149.67	PKPbc	12:56:05.053	0.2	17.2	2.34	TAS	m_e
WERD	149.67	PKPab	12:56:12.849	0.3	16.0	4.30	TAS	m_e
WERN	149.80	PKPbc	12:56:05.527	0.2	17.2	2.34	TAS	m_e
WERN	149.80	PKPab	12:56:13.674	-0.3	16.0	4.30	TAS	m_e
WET	150.75	PKPbc	12:56:07.425	-0.1	17.2	2.34	TAS	m_e
WET	150.75	PKPab	12:56:17.625		16.0	4.30	TAS	m_e
WLF	151.46	PKPbc	12:56:09.560	0.1	17.2	2.34	TAS	m_e
WLF	151.46	PKPab	12:56:20.443		16.0	4.30	TAS	m_e

Event 10128004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/28	12:41:01.40		0.28	-19.1500	-178.1600				602.8			23	143	144.72	150.42	m i ke	NEIC
	10128067																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.37		PKPbc	12:59:34.972	-0.2	17.2		2.49		TAS					m_e
BFO	150.42		PKPbc	12:59:44.689		17.2		2.49		TAS					m_e
BRG	146.92		PKPbc	12:59:36.442	0.2	17.2		2.49		TAS					m_e
CLL	146.72		PKPbc	12:59:35.904	0.1	17.2		2.49		TAS					m_e
CLZ	146.69		PKPbc	12:59:36.101	0.0	17.2		2.49		TAS					m_e
FBE	147.01		PKPbc	12:59:37.051	0.2	17.2		2.49		TAS					m_e
FLT1	146.08		PKPbc	12:59:33.820	0.2	17.2		2.49		TAS					m_e
FUR	150.06		PKPbc	12:59:44.215		17.2		2.49		TAS					m_e
GEC2	148.87		PKPbc	12:59:41.426		17.2		2.49		TAS					m_e
GUNZ	147.75		PKPbc	12:59:38.901	-0.1	17.2		2.49		TAS					m_e
HLG	144.72		PKPbc	12:59:30.491		17.2		2.49		TAS					m_e
MANZ	148.16		PKPbc	12:59:39.813	0.1	17.2		2.49		TAS					m_e
MOX	147.63		PKPbc	12:59:38.271	0.2	17.2		2.49		TAS					m_e
NRDL	146.10		PKPbc	12:59:34.003	-0.1	17.2		2.49		TAS					m_e
PLN	147.67		PKPbc	12:59:38.506	0.3	17.2		2.49		TAS					m_e
RJOB	150.12		PKPbc	12:59:44.151		17.2		2.49		TAS					m_e
ROTZ	148.34		PKPbc	12:59:40.409	-0.1	17.2		2.49		TAS					m_e
RUE	145.46		PKPbc	12:59:32.288		17.2		2.49		TAS					m_e
STU	149.86		PKPbc	12:59:43.900		17.2		2.49		TAS					m_e
TANN	147.68		PKPbc	12:59:38.614	0.1	17.2		2.49		TAS					m_e

TNS	148.55	PKPbc	12:59:40.673	-0.5	17.2	2.49	TAS	m_e
WERD	147.68	PKPbc	12:59:38.614	0.0	17.2	2.49	TAS	m_e
WERN	147.82	PKPbc	12:59:39.153	0.4	17.2	2.49	TAS	m_e
WET	148.78	PKPbc	12:59:41.283		17.2	2.49	TAS	m_e
WLF	149.36	PKPbc	12:59:43.174		17.2	2.49	TAS	m_e

Event 10128006 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/28	22:40:17.00		0.26	26.9500	128.1500				32.0			12	142	83.27	85.72	m i ke	NEIC
OrigID 10128069																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10128012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	83.29		P	22:52:40.646	0.2	53.0		5.19		TAS		3.0	0.91	m_e mb	4.5
BSEG	83.27		P	22:52:40.462	-0.1	53.0		5.19		TAS		7.6	0.83	m_e mb	5.0
CLL	83.52		P	22:52:41.673	-0.4	53.0		5.19		TAS		6.7	0.77	m_e mb	4.9
CLZ	84.52		P	22:52:47.307		53.0		5.19		TAS		4.6	0.83	m_e mb	4.7
FBE	83.57		P	22:52:42.187	0.1	53.0		5.19		TAS		6.5	0.84	m_e mb	4.9
FLT1	83.80		P	22:52:42.796	0.2	53.0		5.19		TAS		6.2	1.02	m_e mb	4.8
GEC2	84.59		P	22:52:47.468		53.0		5.19		TAS		2.1	0.93	m_e mb	4.4
GUNZ	84.42		P	22:52:46.613		53.0		5.19		TAS		2.7	0.77	m_e mb	4.5
MANZ	84.76		P	22:52:46.954		53.0		5.19		TAS		3.8	1.00	m_e mb	4.6
RJOB	85.72		P	22:52:53.446		53.0		5.19		TAS		5.9	0.82	m_e mb	4.8
ROTZ	84.84		P	22:52:49.081		53.0		5.19		TAS		3.9	0.93	m_e mb	4.6
WERN	84.44		P	22:52:46.807		53.0		5.19		TAS		3.6	0.87	m_e mb	4.6

Event 10129001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/29	02:41:18.00		0.26	-17.9600	-178.0800				582.5			31	142	143.51	149.26	m i ke	NEIC
OrigID 10129064																	

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
ASSE	145.21		PKPbc	02:59:50.301	-0.0	16.6		2.79		TAS				m_e	
BFO	149.26		PKPbc	03:00:01.079		16.6		2.79		TAS				m_e	
BRG	145.79		PKPbc	02:59:52.303	0.4	16.6		2.79		TAS				m_e	
BSEG	143.51		PKPbc	02:59:44.964	-0.4	16.6		2.79		TAS				m_e	
BUG	146.33		PKPbc	02:59:53.278	0.1	16.6		2.79		TAS				m_e	

CLL	145.58	PKPbc	02:59:51.533	0.1	16.6	2.79	TAS	m_e
CLZ	145.54	PKPbc	02:59:51.636	-0.0	16.6	2.79	TAS	m_e
FBE	145.87	PKPbc	02:59:52.867	0.2	16.6	2.79	TAS	m_e
FLT1	144.93	PKPbc	02:59:49.326	-0.0	16.6	2.79	TAS	m_e
FUR	148.92	PKPbc	03:00:00.514	-0.5	16.6	2.79	TAS	m_e
GEC2	147.74	PKPbc	02:59:57.589	-0.0	16.6	2.79	TAS	m_e
GRA1	147.47	PKPbc	02:59:57.076	-0.3	16.6	2.79	TAS	m_e
GTTG	145.89	PKPbc	02:59:52.354	0.0	16.6	2.79	TAS	m_e
GUNZ	146.61	PKPbc	02:59:54.766	0.3	16.6	2.79	TAS	m_e
HLG	143.55	PKPbc	02:59:45.362	-0.6	16.6	2.79	TAS	m_e
IBBN	145.42	PKPbc	02:59:50.917	0.4	16.6	2.79	TAS	m_e
MANZ	147.02	PKPbc	02:59:55.741	0.2	16.6	2.79	TAS	m_e
MOX	146.48	PKPbc	02:59:54.048	0.1	16.6	2.79	TAS	m_e
NEUB	145.93	PKPbc	02:59:52.611	-0.2	16.6	2.79	TAS	m_e
NRDL	144.94	PKPbc	02:59:49.634	-0.2	16.6	2.79	TAS	m_e
PLN	146.53	PKPbc	02:59:54.304	0.3	16.6	2.79	TAS	m_e
RJOB	148.99	PKPbc	03:00:00.385		16.6	2.79	TAS	m_e
ROTZ	147.21	PKPbc	02:59:56.334	0.3	16.6	2.79	TAS	m_e
RUE	144.32	PKPbc	02:59:47.668	0.1	16.6	2.79	TAS	m_e
STU	148.70	PKPbc	03:00:00.045	-0.9	16.6	2.79	TAS	m_e
TANN	146.54	PKPbc	02:59:54.458	0.3	16.6	2.79	TAS	m_e
TNS	147.39	PKPbc	02:59:56.665	-0.2	16.6	2.79	TAS	m_e
WERD	146.54	PKPbc	02:59:54.458	0.2	16.6	2.79	TAS	m_e
WERN	146.68	PKPbc	02:59:54.949	0.2	16.6	2.79	TAS	m_e
WET	147.65	PKPbc	02:59:57.230	0.4	16.6	2.79	TAS	m_e
WLF	148.19	PKPbc	02:59:59.128	-0.3	16.6	2.79	TAS	m_e

Event 10129002 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/29	03:08:27.09		0.26	-20.7250	168.7700				33.0			12	142	144.96	148.28	m i ke	BGR
	10129008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.28		PKPbc	03:28:09.775		39.7		3.08		TAS					m_e
FUR	147.17		PKPbc	03:28:07.605		39.7		3.08		TAS					m_e
GEC2	145.57		PKPbc	03:28:01.219		39.7		3.08		TAS					m_e
GRA1	146.03		PKPbc	03:28:02.948		39.7		3.08		TAS					m_e
MANZ	145.44		PKPbc	03:28:01.454		39.7		3.08		TAS					m_e
PLN	145.03		PKPbc	03:28:00.199		39.7		3.08		TAS					m_e
RJOB	146.79		PKPbc	03:28:05.437		39.7		3.08		TAS					m_e
ROTZ	145.56		PKPbc	03:28:02.051		39.7		3.08		TAS					m_e
TANN	144.96		PKPbc	03:27:59.865	0.1	39.7		3.08		TAS					m_e
TNS	146.70		PKPbc	03:28:05.025		39.7		3.08		TAS					m_e

WERD	145.00	PKPbc	03:27:59.989	39.7	3.08	TAS	m_e
WLF	147.98	PKPbc	03:28:09.484	39.7	3.08	TAS	m_e

Event 10129004 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/29	06:55:38.32		0.36	70.1700	-5.2000				33.0			38	106	17.09	25.63	m i ke	BGR
10129010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10129010
MBB	6.3		BGR	10129010
Ms	5.6		BGR	10129010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.52		P	07:00:14.528	0.7	346.3		10.48		TAS		1120.4	1.51	m_e	MBB 6.3
ARSA	25.10		P	07:01:00.429	-0.7	346.3		10.48		TAS		206.7	1.57	m_e	MBB 6.2
ASSE	19.53		P	07:00:03.914	-0.2	346.3		10.48		TAS		1288.3	1.57	m_e	MBB 6.3
BFO	22.86		P	07:00:38.926	0.4	346.3		10.48		TAS		1517.0	1.82	m_e	MBB 6.5
BRG	21.33		P	07:00:22.247	0.5	346.3		10.48		TAS		451.0	1.60	m_e	MBB 6.0
BSEG	17.74		P	06:59:44.203	-1.0	346.3		10.48		TAS		1563.5	1.44	m_e	MBB 6.5
BUG	19.67		P	07:00:05.306	0.1	346.3		10.48		TAS		1806.1	1.69	m_e	MBB 6.4
CLL	20.74		P	07:00:16.458	0.5	346.3		10.48		TAS		666.3	1.23	m_e	MBB 6.2
CLZ	19.76		P	07:00:06.272	-0.3	346.3		10.48		TAS		690.6	1.49	m_e	MBB 6.2
DAVA	24.10		P	07:00:51.360	-0.6	346.3		10.48		TAS		757.5	1.29	m_e	MBB 6.4
FBE	21.17		P	07:00:21.282	0.8	346.3		10.48		TAS		1582.1	1.96	m_e	MBB 6.0
FLT1	19.43		P	07:00:02.411	-0.5	346.3		10.48		TAS		1775.9	1.77	m_e	MBB 6.3
FUR	23.46		P	07:00:45.293	-0.2	346.3		10.48		TAS		2302.7	1.88	m_e	MBB 6.6
GEC2	23.23		P	07:00:43.475	1.2	346.3		10.48		TAS		1425.3	1.94	m_e	MBB 6.4
GRA1	21.97		P	07:00:30.126	0.3	346.3		10.48		TAS		1923.6	1.70	m_e	mb 6.3
GRA1	21.97		L	07:10:47.793						T__		28828.7	18.20	a_e	Ms 5.7
GTTG	19.97		P	07:00:08.739	-0.2	346.3		10.48		TAS		616.8	1.63	m_e	MBB 6.3
GUNZ	21.52		P	07:00:25.162	0.5	346.3		10.48		TAS		1488.1	1.64	m_e	MBB 6.3
HLG	17.09		P	06:59:35.385	-3.3	346.3		10.48		TAS		1376.7	1.46	m_e	MBB 6.4
IBBN	18.89		P	06:59:56.344	-1.0	346.3		10.48		TAS		1010.6	1.50	m_e	MBB 6.3
KBA	24.87		P	07:00:58.913	-0.9	346.3		10.48		TAS		472.4	1.23	m_e	MBB 6.4
MANZ	21.84		P	07:00:28.174	-0.0	346.3		10.48		TAS		720.9	1.71	m_e	MBB 6.2
MOA	24.29		P	07:00:52.572	-0.7	346.3		10.48		TAS		435.1	1.61	m_e	MBB 6.2
MOX	21.12		P	07:00:20.869	0.1	346.3		10.48		TAS		672.0	1.27	m_e	MBB 6.1
MOX	21.12		L	07:08:31.418						T__		17766.7	20.30	a_e	Ms 5.4
NEUB	20.62		P	07:00:15.234	-0.1	346.3		10.48		TAS		527.9	1.33	m_e	MBB 6.3
NRDL	19.08		P	06:59:59.366	-0.1	346.3		10.48		TAS		516.7	1.33	m_e	MBB 6.3
OBKA	25.63		P	07:01:04.840	-2.6	346.3		10.48		TAS		277.7	1.52	m_e	MBB 6.2
PLN	21.37		P	07:00:23.783	0.6	346.3		10.48		TAS		2350.3	1.86	m_e	MBB 6.2
RGN	17.73		P	06:59:43.658	0.5	346.3		10.48		TAS		4198.1	1.74	m_e	MBB 6.4
RJOB	24.13		P	07:00:51.883	-0.4	346.3		10.48		TAS		349.0	1.00	m_e	MBB 6.3

ROTZ	22.07	P	07:00:30.931	0.3	346.3	10.48	TAS	917.3	1.66	m_e	MBB	6.2
RUE	19.78	P	07:00:06.396	1.4	346.3	10.48	TAS	1985.3	1.67	m_e	MBB	6.3
STU	22.55	P	07:00:35.756	0.1	346.3	10.48	TAS	981.5	1.45	m_e	MBB	6.4
TANN	21.49	P	07:00:25.024	0.7	346.3	10.48	TAS	1402.2	1.61	m_e	MBB	6.2
TNS	21.03	P	07:00:20.042	0.4	346.3	10.48	TAS	423.4	1.16	m_e	MBB	6.2
WERD	21.43	P	07:00:24.197	0.4	346.3	10.48	TAS	1053.2	1.50	m_e	MBB	6.1
WERN	21.60	P	07:00:25.969	0.4	346.3	10.48	TAS	1883.7	1.67	m_e	MBB	6.3
WET	22.79	P	07:00:38.951	1.0	346.3	10.48	TAS	821.6	1.62	m_e	MBB	6.4
WLF	21.27	P	07:00:22.680	1.9	346.3	10.48	TAS	1080.9	1.56	m_e	MBB	6.3

Event 10129005 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/29	11:00:04.00		0.36	70.9700	-6.6800				9.8			18	106	18.68	24.17	m i ke	NEIC
OrigID 10129068																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	10129011
Ms	3.6		BGR	10129011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	20.47		P	11:04:41.546	-0.2	346.2		10.75		TAS		7.3	0.95	m_e	mb	3.9
BFO	23.80		P	11:05:16.783		346.2		10.75		TAS		7.1	0.80	m_e	mb	4.2
BSEG	18.68		P	11:04:22.015	-0.1	346.2		10.75		TAS		57.9	1.34	m_e	mb	4.6
CLL	21.68		P	11:04:54.495	-0.2	346.2		10.75		TAS		4.8	0.81	m_e	mb	4.0
FLT1	20.38		P	11:04:40.236	0.8	346.2		10.75		TAS		20.6	1.09	m_e	mb	4.3
GEC2	24.17		P	11:05:21.388		346.2		10.75		TAS		7.1	0.95	m_e	mb	4.2
GRA1	22.92		L	11:15:23.548						T__		225.7	18.00	a_e	Ms	3.7
GTTG	20.92		P	11:04:47.691	-1.3	346.2		10.75		TAS		6.8	0.90	m_e	mb	4.0
GUNZ	22.46		P	11:05:02.261		346.2		10.75		TAS		4.9	0.67	m_e	mb	4.1
MANZ	22.79		P	11:05:06.036		346.2		10.75		TAS		2.7	0.92	m_e	mb	3.8
MOX	22.07		P	11:04:58.174	0.4	346.2		10.75		TAS		5.5	0.69	m_e	mb	4.1
MOX	22.07		L	11:13:16.349						T__		165.5	19.40	a_e	Ms	3.5
NRDL	20.03		P	11:04:36.900	1.2	346.2		10.75		TAS		14.4	1.10	m_e	mb	4.1
PLN	22.31		P	11:05:00.898		346.2		10.75		TAS		7.4	0.83	m_e	mb	4.1
ROTZ	23.02		P	11:05:08.814		346.2		10.75		TAS		9.5	0.95	m_e	mb	4.3
TANN	22.44		P	11:05:01.055		346.2		10.75		TAS		4.9	0.86	m_e	mb	4.0
TNS	21.97		P	11:04:57.258	0.1	346.2		10.75		TAS		10.4	1.00	m_e	mb	4.2
WERD	22.38		P	11:05:01.370		346.2		10.75		TAS		5.5	0.65	m_e	mb	4.1
WERN	22.54		P	11:05:03.519		346.2		10.75		TAS		7.6	0.65	m_e	mb	4.4
WET	23.73		P	11:05:16.660		346.2		10.75		TAS		3.4	0.78	m_e	mb	3.9

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/29	17:41:39.83	0.82	0.63	47.4890	18.3360	11.1	4.4	114	10.0			32	254	1.44	5.59	m i ke	BGR
10129014																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.6		BGR	10129014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.93		Pn	17:42:11.176	-0.5					T__				m_e	ML 4.4
BRG	4.45		Pn	17:42:45.373	-0.3					T__				m_e	
CLL	5.17		Pn	17:42:54.930	-0.5					T__				m_e	
DPC	3.14		Pn	17:42:28.461	0.4					T__				m_e	ML 4.9
FBE	4.74		Pn	17:42:49.294	-0.3					T__				m_e	
GEC2	3.39		Pn	17:42:31.796	0.4					T__				m_e	ML 4.7
GRA1	5.21		Pn	17:42:56.712	0.8					T__				m_e	
GUNZ	4.89		Pn	17:42:52.313	0.6					T__				m_e	
JAVC	1.44		Sg	17:42:26.054	0.4					T__				m_e	
JAVC	1.44		Pn	17:42:04.692	-0.5					T__				m_e	
KBA	3.42		Pn	17:42:32.900	1.0					T__				m_e	ML 4.4
KHC	3.58		Pn	17:42:34.461	0.5					T__				m_e	ML 4.4
KRUC	2.04		Pn	17:42:12.243	-1.0					T__				m_e	ML 4.2
KRUC	2.04		Pg	17:42:17.770	-0.5					T__				m_e	
MOA	2.77		Pn	17:42:23.232	0.1					T__				m_e	ML 4.7
MOA	2.77		Pg	17:42:29.845	-2.2					T__				m_e	
MORC	2.35		Pn	17:42:16.951	-0.5					T__				m_e	ML 4.8
MORC	2.35		Pg	17:42:23.809	-0.3					T__				m_e	
MOX	5.43		Pn	17:42:59.631	0.7					T__				m_e	
NKC	4.76		Pn	17:42:50.388	0.5					T__				m_e	
OBKA	2.77		Pn	17:42:22.347	-0.8					T__				m_e	ML 4.5
OKC	2.35		Pn	17:42:17.141	-0.3					T__				m_e	ML 4.6
OKC	2.35		Pg	17:42:24.286	0.1					T__				m_e	
PLN	5.05		Pn	17:42:53.958	0.1					T__				m_e	
PRU	3.54		Pn	17:42:32.970	-0.5					T__				m_e	ML 4.3
PVCC	3.92		Pn	17:42:38.531	-0.1					T__				m_e	ML 5.1
ROHR	4.83		Pn	17:42:51.181	0.3					T__				m_e	
ROTZ	4.66		Pn	17:42:48.724	0.2					T__				m_e	
SCHD	5.59		Pn	17:43:01.741	0.7					T__				m_e	
SCHF	5.04		Pn	17:42:53.910	0.3					T__				m_e	
TANN	4.85		Pn	17:42:51.288	0.1					T__				m_e	
TAUT	5.57		Pn	17:43:01.737	0.9					T__				m_e	
TRIB	4.99		Pn	17:42:53.400	0.4					T__				m_e	
VRAC	2.16		Pn	17:42:14.127	-0.7					T__				m_e	ML 4.1
VRAC	2.16		Pg	17:42:19.845	-0.7					T__				m_e	
WERD	4.95		Pn	17:42:52.678	0.2					T__				m_e	
WERN	4.83		Pn	17:42:51.443	0.6					T__				m_e	
WET	4.00		Pn	17:42:39.858	0.2					T__				m_e	ML 5.0

Event 10130002 Western Arabian Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/30	02:28:51.25		0.50	12.8850	43.9430				33.0			19	269	43.38	48.84	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10130008
Ms	4.0		BGR	10130008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	48.06		P	02:37:28.669		132.4		7.91		TAS		48.7	1.44	m_e	mb 5.4
ASSE	47.39		P	02:37:22.655		132.4		7.91		TAS		36.0	1.73	m_e	mb 5.2
BRG	45.05		P	02:37:04.505	-0.6	132.4		7.91		TAS		30.4	1.64	m_e	mb 5.0
BUG	48.52		P	02:37:32.000		132.4		7.91		TAS		51.5	1.81	m_e	mb 5.3
CLL	45.77		P	02:37:10.144	0.1	132.4		7.91		TAS		69.7	2.18	m_e	mb 5.3
FLT1	47.27		P	02:37:21.539		132.4		7.91		TAS		16.4	1.45	m_e	mb 5.0
GEC2	43.71		P	02:36:54.227	0.2	132.4		7.91		TAS		29.2	1.39	m_e	mb 4.8
GRA1	45.47		L	02:55:32.786						T__		206.6	18.50	a_e	Ms 4.1
GUNZ	45.41		P	02:37:07.819	0.0	132.4		7.91		TAS		34.5	1.73	m_e	mb 5.0
IBBN	48.84		P	02:37:34.563		132.4		7.91		TAS		22.0	1.48	m_e	mb 5.0
MANZ	45.25		P	02:37:05.605	0.3	132.4		7.91		TAS		17.8	1.51	m_e	mb 4.8
MOX	45.93		P	02:37:11.449	-0.1	132.4		7.91		TAS		19.2	1.41	m_e	mb 4.9
MOX	45.93		L	02:56:59.516						T__		141.0	21.30	a_e	Ms 3.9
PLN	45.57		P	02:37:08.834	-0.4	132.4		7.91		TAS		22.9	1.34	m_e	mb 5.0
RJOB	43.38		P	02:36:51.393	0.0	132.4		7.91		TAS		77.3	2.56	m_e	mb 5.0
ROTZ	45.05		P	02:37:04.437	0.1	132.4		7.91		TAS		22.6	1.51	m_e	mb 4.9
RUE	46.29		P	02:37:14.156		132.4		7.91		TAS		53.7	1.70	m_e	mb 5.3
TANN	45.39		P	02:37:07.533	0.1	132.4		7.91		TAS		27.0	1.63	m_e	mb 4.9
WERD	45.48		P	02:37:08.124	0.3	132.4		7.91		TAS		44.9	1.59	m_e	mb 5.2
WET	44.31		P	02:36:58.181	-0.6	132.4		7.91		TAS		14.3	1.35	m_e	mb 4.5
WLF	48.00		P	02:37:27.663		132.4		7.91		TAS		40.9	1.70	m_e	mb 5.3

Event 10130004 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/30	04:28:36.20		0.30	-21.7900	168.9400				20.7			13	210	145.98	149.31	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.31		PKPbc	04:48:23.109		40.4		2.95		TAS				m_e	
GEC2	146.57		PKPbc	04:48:15.161		40.4		2.95		TAS				m_e	

GUNZ	146.07	PKPbc	04:48:13.592	-0.0	40.4	2.95	TAS	m_e
MANZ	146.45	PKPbc	04:48:14.739	0.4	40.4	2.95	TAS	m_e
MOX	146.16	PKPbc	04:48:13.513	0.2	40.4	2.95	TAS	m_e
PLN	146.05	PKPbc	04:48:13.314	-0.1	40.4	2.95	TAS	m_e
ROTZ	146.57	PKPbc	04:48:15.420	-0.0	40.4	2.95	TAS	m_e
STU	148.61	PKPbc	04:48:20.665	-0.4	40.4	2.95	TAS	m_e
TANN	145.98	PKPbc	04:48:13.115	-0.1	40.4	2.95	TAS	m_e
WERD	146.02	PKPbc	04:48:13.219	-0.1	40.4	2.95	TAS	m_e
WERN	146.11	PKPbc	04:48:13.791	0.1	40.4	2.95	TAS	m_e
WET	146.74	PKPbc	04:48:15.778	-0.1	40.4	2.95	TAS	m_e
WLF	149.03	PKPbc	04:48:21.106		40.4	2.95	TAS	m_e

Event 10130006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/01/30	13:03:06.10		0.68	-19.5700	168.4700				35.0				6	213	144.03	147.12	m i ke	NEIC
10130069																		

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.12		PKPbc	13:22:44.321		36.7		3.18		TAS					m_e
IBBN	144.03		PKPbc	13:22:34.503		36.7		3.18		TAS					m_e
MANZ	144.28		PKPbc	13:22:35.874		36.7		3.18		TAS					m_e
RJOB	145.65		PKPbc	13:22:40.379		36.7		3.18		TAS					m_e
ROTZ	144.41		PKPbc	13:22:36.560		36.7		3.18		TAS					m_e
WLF	146.81		PKPbc	13:22:44.141		36.7		3.18		TAS					m_e

Event 10130007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2011/01/30	16:03:14.80		0.68	-19.0100	169.2900				235.6				12	213	143.64	146.93	m i ke	NEIC
10130070																		

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.93		PKPbc	16:22:29.166		37.7		2.98		TAS					m_e
FUR	145.88		PKPbc	16:22:28.407		37.7		2.98		TAS					m_e
GEC2	144.31		PKPbc	16:22:22.150		37.7		2.98		TAS					m_e
GUNZ	143.73		PKPbc	16:22:20.559		37.7		2.98		TAS					m_e
MANZ	144.12		PKPbc	16:22:21.833		37.7		2.98		TAS					m_e
MOX	143.79		PKPbc	16:22:20.509		37.7		2.98		TAS					m_e

PLN	143.71	PKPbc	16:22:20.314	37.7	2.98	TAS	m_e
RJOB	145.54	PKPbc	16:22:26.130	37.7	2.98	TAS	m_e
ROTZ	144.25	PKPbc	16:22:22.475	37.7	2.98	TAS	m_e
TANN	143.64	PKPbc	16:22:20.129	37.7	2.98	TAS	m_e
WERD	143.68	PKPbc	16:22:20.250	37.7	2.98	TAS	m_e
WERN	143.78	PKPbc	16:22:20.717	37.7	2.98	TAS	m_e

Event 10130008 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/30	18:34:26.60		0.68	28.7020	144.3680				33.0			15	213	88.62	93.79	m i ke	BGR
OrigID 10130014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10130014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	89.88		P	18:47:20.901	0.0	39.8		4.63		TAS		11.6	1.27	m_e mb	5.0
BFO	93.79		P	18:47:38.731		39.8		4.63		TAS		9.1	1.02	m_e mb	5.0
BSEG	88.62		P	18:47:15.264	-0.4	39.8		4.63		TAS		21.1	1.03	m_e mb	5.3
CLL	89.57		P	18:47:19.112	0.3	39.8		4.63		TAS		10.6	1.27	m_e mb	4.9
CLZ	90.22		P	18:47:22.826	0.2	39.8		4.63		TAS		20.1	1.42	m_e mb	5.1
FBE	89.71		P	18:47:20.267	0.1	39.8		4.63		TAS		14.8	1.02	m_e mb	5.2
FLT1	89.50		P	18:47:18.691	-0.2	39.8		4.63		TAS		16.0	1.09	m_e mb	5.2
GRA1	91.54		P	18:47:28.910		39.8		4.63		TAS		24.0	1.32	m_e mb	5.4
GTTG	90.61		P	18:47:24.323		39.8		4.63		TAS		15.3	1.24	m_e mb	5.2
GUNZ	90.56		P	18:47:24.214		39.8		4.63		TAS		7.8	0.99	m_e mb	5.0
IBBN	90.85		P	18:47:25.592		39.8		4.63		TAS		23.5	1.24	m_e mb	5.4
MOX	90.65		P	18:47:24.338		39.8		4.63		TAS		14.6	1.60	m_e mb	5.1
NEUB	90.16		P	18:47:22.077	-0.1	39.8		4.63		TAS		29.0	1.57	m_e mb	5.3
ROTZ	91.07		P	18:47:26.866		39.8		4.63		TAS		11.9	1.32	m_e mb	5.1
WERN	90.60		P	18:47:24.374		39.8		4.63		TAS		14.6	1.34	m_e mb	5.1

Event 10130009 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/30	18:58:18.70		0.68	27.3400	53.4200				36.6			9	213	37.96	40.78	m i ke	NEIC
OrigID 10130072																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10130015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BRG	37.96	P	19:05:33.407	-0.3	108.9	8.68	TAS	5.2	0.78	m_e	mb	4.3
CLL	38.67	P	19:05:39.762		108.9	8.68	TAS	6.7	1.00	m_e	mb	4.2
CLZ	40.40	P	19:05:54.607		108.9	8.68	TAS	16.2	0.70	m_e	mb	4.8
FUR	38.66	P	19:05:39.367	-0.1	108.9	8.68	TAS	19.8	0.93	m_e	mb	4.7
GRA1	39.16	P	19:05:43.783		108.9	8.68	TAS	12.9	0.84	m_e	mb	4.6
NRDL	40.78	P	19:05:58.220		108.9	8.68	TAS	23.8	0.89	m_e	mb	4.9
RGN	39.85	P	19:05:50.239		108.9	8.68	TAS	79.7	1.16	m_e	mb	5.2
ROTZ	38.58	P	19:05:39.248	0.8	108.9	8.68	TAS	9.4	1.12	m_e	mb	4.3
RUE	38.70	P	19:05:39.982		108.9	8.68	TAS	22.3	1.06	m_e	mb	4.7

Event 10131001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2011/01/31	06:03:30.95			-21.2670	-174.6440			72.5		1.0		31		146.23	152.89	m i ke	BGR
10131007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.75		PKPbc	06:23:14.339	0.2	11.4		2.44		TAS				m_e	
ASSE	148.92		PKPbc	06:23:09.835	0.1	11.4		2.44		TAS				m_e	
BFO	152.89		PKPbc	06:23:18.985		11.4		2.44		TAS				m_e	
BRG	149.69		PKPbc	06:23:11.676	0.1	11.4		2.44		TAS				m_e	
BSEG	147.17		PKPbc	06:23:05.295	-0.2	11.4		2.44		TAS				m_e	
BUG	149.85		PKPbc	06:23:12.058	0.1	11.4		2.44		TAS				m_e	
CLL	149.43		PKPbc	06:23:10.888	0.2	11.4		2.44		TAS				m_e	
CLZ	149.23		PKPbc	06:23:10.937	-0.1	11.4		2.44		TAS				m_e	
FBE	149.75		PKPbc	06:23:12.151	-0.2	11.4		2.44		TAS				m_e	
FLT1	148.66		PKPbc	06:23:08.897	0.1	11.4		2.44		TAS				m_e	
FLT1	148.66		pPKPbc	06:23:29.566						T__				m_e	
FUR	152.75		PKPbc	06:23:18.419	-0.5	11.4		2.44		TAS				m_e	
GEC2	151.69		PKPbc	06:23:16.092	-0.2	11.4		2.44		TAS				m_e	
GRA1	151.25		PKPbc	06:23:15.632	-0.1	11.4		2.44		TAS				m_e	
GTTG	149.56		PKPbc	06:23:11.481	0.0	11.4		2.44		TAS				m_e	
GUNZ	150.44		PKPbc	06:23:13.710	0.5	11.4		2.44		TAS				m_e	
GUNZ	150.44		pPKPbc	06:23:34.087						T__				m_e	
HLG	147.08		PKPbc	06:23:05.426	-0.1	11.4		2.44		TAS				m_e	
IBBN	148.96		PKPbc	06:23:10.200	0.4	11.4		2.44		TAS				m_e	
MANZ	150.85		PKPbc	06:23:14.599	0.2	11.4		2.44		TAS				m_e	
MOX	150.27		PKPbc	06:23:13.074	0.2	11.4		2.44		TAS				m_e	
NEUB	149.71		PKPbc	06:23:11.691	0.4	11.4		2.44		TAS				m_e	
PLN	150.35		PKPbc	06:23:13.365	0.1	11.4		2.44		TAS				m_e	
PLN	150.35		pPKPbc	06:23:33.960						T__				m_e	
RGN	146.23		PKPbc	06:23:02.504	-0.6	11.4		2.44		TAS				m_e	
ROTZ	151.04		PKPbc	06:23:15.144	0.2	11.4		2.44		TAS				m_e	
RUE	148.17		PKPbc	06:23:07.679	-0.2	11.4		2.44		TAS				m_e	

STU	152.39	PKPbc	06:23:18.014	-0.6	11.4	2.44	TAS	m_e
TANN	150.38	PKPbc	06:23:13.428	0.3	11.4	2.44	TAS	m_e
TANN	150.38	pPKPbc	06:23:33.872				T__	m_e
TNS	151.00	PKPbc	06:23:15.157	0.2	11.4	2.44	TAS	m_e
WERD	150.37	PKPbc	06:23:13.369	0.1	11.4	2.44	TAS	m_e
WERD	150.37	pPKPbc	06:23:34.185				T__	m_e
WERN	150.51	PKPbc	06:23:14.060	-0.1	11.4	2.44	TAS	m_e
WERN	150.51	pPKPbc	06:23:34.589				T__	m_e
WET	151.54	PKPbc	06:23:16.100	0.2	11.4	2.44	TAS	m_e
WLF	151.66	PKPbc	06:23:17.001	-0.5	11.4	2.44	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