

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

(produced by SZO/BGR - HANNOVER)

October 2015 UPDATED 12.October.2017

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

Event 51003001 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/03	01:46:25.83			71.2500	-2.1800				10.0			15		18.23	23.67	m i ke	BGR
OrigID 51003007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	51003007
Ms	3.3		BGR	51003007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.21		P	01:51:11.957	-0.1	349.4		10.84		TAS		13.8	1.11	m_e mb	4.2
BFO	23.52		P	01:51:36.301		349.4		10.84		TAS		19.6	1.25	m_e mb	4.5
BRG	21.73		P	01:51:17.552	-0.1	349.4		10.84		TAS		19.6	1.63	m_e mb	4.3
BSEG	18.23		P	01:50:40.430	0.1	349.4		10.84		TAS		20.4	1.11	m_e mb	4.2
CLZ	20.29		P	01:51:02.599	-0.1	349.4		10.84		TAS		14.6	1.06	m_e mb	4.1
FBE	21.60		P	01:51:16.517	-0.3	349.4		10.84		TAS		41.0	1.39	m_e mb	4.7
FLT1	19.92		P	01:50:58.026	-0.6	349.4		10.84		TAS		16.6	1.26	m_e mb	4.1
GEC2	23.67		P	01:51:38.687		349.4		10.84		TAS		15.1	1.30	m_e mb	4.4
GRA1	22.50		L	01:58:49.394						T__		127.6	18.30	a_e Ms	3.4
GUNZ	21.99		P	01:51:20.792	-0.1	349.4		10.84		TAS		10.4	0.88	m_e mb	4.3
MILB	22.14		P	01:51:23.775		349.4		10.84		TAS		14.1	1.06	m_e mb	4.3
MOX	21.62		P	01:51:16.915	-0.1	349.4		10.84		TAS		32.7	1.43	m_e mb	4.6
MOX	21.62		L	01:58:36.098						T__		117.2	19.20	a_e Ms	3.3
NEUB	21.10		P	01:51:11.248	0.3	349.4		10.84		TAS		35.7	0.90	m_e mb	4.7
PLN	21.85		P	01:51:19.301	-0.0	349.4		10.84		TAS		22.9	0.95	m_e mb	4.6
UBBA	21.25		P	01:51:12.839	0.3	349.4		10.84		TAS		24.2	1.49	m_e mb	4.3
WERN	22.07		P	01:51:21.786	-0.7	349.4		10.84		TAS		35.9	1.46	m_e mb	4.6

Event 51003002 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/03	02:21:07.11			71.6600	2.4100				10.0				16	19.95	24.49	m i ke	BGR
OrigID 51003008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	51003008
Ms	3.2		BGR	51003008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	19.95		P	02:25:38.108	1.8	354.9		10.67		TAS		16.5	1.71	m_e	mb 4.0
CLZ	20.21		P	02:25:41.252	-0.1	354.9		10.67		TAS		6.6	1.03	m_e	mb 3.8
FBE	21.39		P	02:25:55.313		354.9		10.67		TAS		13.6	1.20	m_e	mb 4.2
GRA1	22.41		L	02:48:14.303						T__		116.3	21.80	a_e	Ms 3.3
GUNZ	21.84		P	02:25:59.214		354.9		10.67		TAS		6.8	0.84	m_e	mb 4.1
MILB	22.13		P	02:26:02.390		354.9		10.67		TAS		8.1	0.87	m_e	mb 4.2
MOX	21.50		P	02:25:55.470		354.9		10.67		TAS		25.0	1.60	m_e	mb 4.3
MOX	21.50		L	02:47:59.180						T__		89.2	21.20	a_e	Ms 3.1
NEUB	20.97		P	02:25:49.964	-1.3	354.9		10.67		TAS		19.1	1.00	m_e	mb 4.4
PLN	21.70		P	02:25:57.957		354.9		10.67		TAS		10.9	0.81	m_e	mb 4.3
RJOB	24.49		P	02:26:26.172		354.9		10.67		TAS		22.0	0.87	m_e	mb 4.7
ROTZ	22.42		P	02:26:05.052		354.9		10.67		TAS		6.3	1.22	m_e	mb 3.9
TANN	21.80		P	02:25:58.879		354.9		10.67		TAS		4.6	0.89	m_e	mb 3.9
TNS	21.69		P	02:25:59.933		354.9		10.67		TAS		10.7	1.27	m_e	mb 4.1
UBBA	21.20		P	02:25:52.658		354.9		10.67		TAS		8.8	1.21	m_e	mb 4.0
WERD	21.76		P	02:26:00.373		354.9		10.67		TAS		6.6	0.75	m_e	mb 4.1
WERN	21.92		P	02:26:00.471		354.9		10.67		TAS		18.7	1.33	m_e	mb 4.3
WLF	22.14		P	02:26:02.095		354.9		10.67		TAS		4.9	1.00	m_e	mb 3.9

Event 51003003 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/03	04:14:09.00			-33.0700	-178.3000				10.0				13	159.66	164.08	m i ke	EMSC
OrigID 51003035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	51003009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	163.96		PKP	04:35:04.331		26.6		4.46		TAS				m_e	
BRG	160.06		PKP	04:34:47.388	-0.0	26.6		4.46		TAS				m_e	
GRA1	161.95		L	05:50:36.128						T__		238.1	18.90	a_e	Ms 5.1
GUNZ	161.02		PKP	04:34:51.684		26.6		4.46		TAS				m_e	
MANZ	161.42		PKP	04:34:53.739		26.6		4.46		TAS				m_e	

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MOX	160.98	PKP	04:34:51.121	26.6	4.46	TAS											m_e
MOX	160.98	L	06:06:37.940			T__						112.1	19.00	a_e	Ms		4.7
NEUB	160.44	PKP	04:34:48.872	-0.1	26.6	4.46	TAS										m_e
NRDL	159.66	PKP	04:34:44.826	0.1	26.6	4.46	TAS										m_e
PLN	160.96	PKP	04:34:51.252	-0.3	26.6	4.46	TAS										m_e
ROTZ	161.58	PKP	04:34:54.286		26.6	4.46	TAS										m_e
TANN	160.94	PKP	04:34:51.154	0.1	26.6	4.46	TAS										m_e
UBR	164.08	PKP	04:35:04.835		26.6	4.46	TAS										m_e
WERD	160.95	PKP	04:34:51.557	0.1	26.6	4.46	TAS										m_e
WERN	161.07	PKP	04:34:51.759		26.6	4.46	TAS										m_e

Event 51003004 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/03	06:26:54.50			-30.2400	-71.4600				30.0					108.03	108.03	m i ke	EMSC
OrigID 51003036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	108.03		Pdiff	06:41:13.308						T__					m_e

Event 51003005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/03	08:23:49.80			11.9100	-43.7700				12.0					58.63	59.20	m i ke	EMSC
OrigID 51003037																	

Magnitude Err Nsta Author OrigID

mb	4.8		BGR	51003011
Ms	4.4		BGR	51003011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	58.63		P	08:33:44.527		249.9		6.61		TAS		13.7	1.39	m_e	mb	4.8
GRA1	58.63		L	08:53:26.340						T__		266.1	20.30	a_e	Ms	4.4
MOX	59.20		L	08:55:47.790						T__		278.8	20.00	a_e	Ms	4.4

Event 51004002 South of Fiji Islands

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

2015/10/04 06:52:13.65
51004008

-23.1410 -179.0390

33.0

10

m i ke BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BEAM			PKPbc	07:12:06.240		20.6		2.35		TAS				m_e	
BRG			PKPbc	07:12:02.074	-0.1	20.6		2.35		TAS				m_e	
BSEG			PKPbc	07:11:57.271	0.1	20.6		2.35		TAS				m_e	
CLL			PKPbc	07:12:01.537	0.4	20.6		2.35		TAS				m_e	
CLZ			PKPbc	07:12:02.183	0.1	20.6		2.35		TAS				m_e	
FBE			PKPbc	07:12:02.583	-0.1	20.6		2.35		TAS				m_e	
FLT1			PKPbc	07:12:00.104	-0.2	20.6		2.35		TAS				m_e	
KAST			PKPbc	07:12:04.010		20.6		2.35		TAS				m_e	
PLN			PKPbc	07:12:03.731		20.6		2.35		TAS				m_e	
RUE			PKPbc	07:11:58.381	-0.2	20.6		2.35		TAS				m_e	
TANN			PKPbc	07:12:03.759	-0.2	20.6		2.35		TAS				m_e	

Event 51004003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/04	16:42:24.10		-24.3980	-178.5860					33.0				10				m i ke BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG			PKPbc	17:02:15.742		20.4		2.23		TAS				m_e	
CLL			PKPbc	17:02:15.283	-0.0	20.4		2.23		TAS				m_e	
CLZ			PKPbc	17:02:15.611	0.0	20.4		2.23		TAS				m_e	
FBE			PKPbc	17:02:16.141		20.4		2.23		TAS				m_e	
FLT1			PKPbc	17:02:13.905	-0.1	20.4		2.23		TAS				m_e	
LNIZ			PKPbc	17:02:10.230	0.1	20.4		2.23		TAS				m_e	
MOX			PKPbc	17:02:17.383		20.4		2.23		TAS				m_e	
NRDL			PKPbc	17:02:14.364	-0.1	20.4		2.23		TAS				m_e	
PLN			PKPbc	17:02:17.383		20.4		2.23		TAS				m_e	
RUE			PKPbc	17:02:12.461	-0.2	20.4		2.23		TAS				m_e	

Event 51005008 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/05	17:36:00.78		52.3180	179.1900					107.4	0.2			32	73.71	79.95	m i ke BGR	

Magnitude Err Nsta Author OrigID
 mb 5.7 BGR 51005014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.30		P	17:47:42.388	0.2	7.5		5.57		TAS		168.7	1.82	a_e mb	5.9
ASSE	75.48		P	17:47:32.188	0.1	7.5		5.57		TAS		79.4	1.57	a_e mb	5.5
BFO	79.43		P	17:47:53.738	-0.3	7.5		5.57		TAS		84.9	1.77	a_e mb	5.5
BRG	76.43		P	17:47:37.138	-0.3	7.5		5.57		TAS		64.2	1.65	a_e mb	5.5
BRG	76.43		pP	17:48:04.549						T__				m_e	
BSEG	73.71		P	17:47:22.288	0.0	7.5		5.57		TAS		331.5	2.16	a_e mb	6.0
BUG	76.39		P	17:47:36.888	-0.2	7.5		5.57		TAS		94.7	1.61	a_e mb	5.7
CLL	76.09		P	17:47:35.088	-0.5	7.5		5.57		TAS		107.7	1.93	a_e mb	5.6
CLZ	75.79		P	17:47:34.138	0.3	7.5		5.57		TAS		148.5	1.59	a_e mb	5.9
FBE	76.44		P	17:47:37.638	0.2	7.5		5.57		TAS		162.6	1.90	a_e mb	5.8
FLT1	75.23		P	17:47:30.288	-0.5	7.5		5.57		TAS		145.3	1.83	a_e mb	5.7
FUR	79.37		P	17:47:53.638	-0.1	7.5		5.57		TAS		289.5	2.26	a_e mb	5.9
GEC2	78.46		P	17:47:48.788	0.1	7.5		5.57		TAS		76.4	1.83	m_e mb	5.5
GRA1	77.86		P	17:47:45.688	0.3	7.5		5.57		TAS		184.3	1.78	a_e mb	5.9
GTTG	76.11		P	17:47:35.788	0.1	7.5		5.57		TAS		113.0	1.58	a_e mb	5.8
GUNZ	77.09		P	17:47:41.238	0.1	7.5		5.57		TAS		98.9	1.81	a_e mb	5.6
IBBN	75.50		P	17:47:32.338	0.1	7.5		5.57		TAS		160.6	1.32	a_e mb	6.0
MANZ	77.49		P	17:47:43.338	0.0	7.5		5.57		TAS		52.0	1.71	a_e mb	5.4
MOX	76.88		P	17:47:39.888	-0.0	7.5		5.57		TAS		97.2	1.79	a_e mb	5.6
NEUB	76.32		P	17:47:36.588	-0.2	7.5		5.57		TAS		66.9	1.12	a_e mb	5.7
NRDL	75.16		P	17:47:30.188	-0.2	7.5		5.57		TAS		74.9	1.53	a_e mb	5.5
PLN	76.98		P	17:47:40.538	0.0	7.5		5.57		TAS		73.3	2.06	a_e mb	5.5
RJOB	79.65		P	17:47:55.288	-0.0	7.5		5.57		TAS		276.2	2.02	a_e mb	5.8
ROTZ	77.69		P	17:47:44.688	0.2	7.5		5.57		TAS		76.6	1.73	a_e mb	5.5
STU	78.93		P	17:47:50.988	-0.3	7.5		5.57		TAS		297.3	1.99	a_e mb	6.0
TANN	77.03		P	17:47:40.938	0.2	7.5		5.57		TAS		88.2	1.80	a_e mb	5.6
TNS	77.54		P	17:47:43.538	-0.0	7.5		5.57		TAS		91.9	1.73	a_e mb	5.6
UBBA	76.83		P	17:47:39.638	-0.0	7.5		5.57		TAS		88.9	1.69	a_e mb	5.6
UBBA	76.83		pP	17:48:06.969						T__				m_e	
UBR	79.95		P	17:47:56.738	-0.3	7.5		5.57		TAS		67.9	1.60	a_e mb	5.3
WERD	77.01		P	17:47:40.788	0.1	7.5		5.57		TAS		136.9	2.04	a_e mb	5.7
WERN	77.16		P	17:47:41.738	0.2	7.5		5.57		TAS		132.6	1.83	a_e mb	5.8
WET	78.25		P	17:47:47.838	0.3	7.5		5.57		TAS		108.1	2.01	a_e mb	5.6
WLF	78.22		P	17:47:47.688	0.4	7.5		5.57		TAS		36.5	1.22	a_e mb	5.4

Event 51006004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/06	07:50:54.31			-21.5940	-177.0530				33.0			13		147.23	151.48	m i ke	BGR

51006010

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	147.23		PKPbc	08:10:34.227		16.1		2.45		TAS				m_e		
CLL	149.32		PKPbc	08:10:39.279	-0.2	16.1		2.45		TAS				m_e		
FBE	149.61		PKPbc	08:10:40.575	-0.1	16.1		2.45		TAS				m_e		
GEC2	151.48		PKPbc	08:10:44.591	0.2	16.1		2.45		TAS				m_e		
GUNZ	150.35		PKPbc	08:10:42.259	-0.1	16.1		2.45		TAS				m_e		
MANZ	150.75		PKPbc	08:10:43.101	0.1	16.1		2.45		TAS				m_e		
MOX	150.22		PKPbc	08:10:41.547	0.0	16.1		2.45		TAS				m_e		
NRDL	148.66		PKPbc	08:10:38.178		16.1		2.45		TAS				m_e		
PLN	150.27		PKPbc	08:10:41.741	-0.1	16.1		2.45		TAS				m_e		
TANN	150.28		PKPbc	08:10:41.935	0.3	16.1		2.45		TAS				m_e		
TNS	151.10		PKPbc	08:10:43.943		16.1		2.45		TAS				m_e		
WERD	150.28		PKPbc	08:10:41.870	0.1	16.1		2.45		TAS				m_e		
WERN	150.41		PKPbc	08:10:42.389	0.2	16.1		2.45		TAS				m_e		

Event 51006010 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2015/10/06	21:27:35.10	2.40	3.62	36.1000	29.9100	155.7	135.7	100	51.0			14	348	17.42	22.45	m i ke	EMSC
51006046																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 51006016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.89		Pn	21:32:23.556						T__		43.6	0.83	m_e mb	5.0
BRG	18.71		Pn	21:31:49.578	0.4					T__		27.7	0.87	m_e mb	4.5
BSEG	22.45		Pn	21:32:28.164						T__		32.2	0.74	m_e mb	4.9
GEC2	17.42		Pn	21:31:35.292	-0.6					T__		24.6	0.74	m_e mb	4.4
GRA1	19.21		Pn	21:31:54.083	-0.4					T__		105.6	1.04	m_e mb	5.0
GUNZ	19.09		Pn	21:31:53.856	0.2					T__			0.64	m_e	
MANZ	18.96		Pn	21:31:51.920	-0.7					T__		51.6	0.83	m_e mb	4.8
MOX	19.62		Pn	21:31:59.469						T__		106.3	0.80	m_e mb	5.1
PLN	19.26		Pn	21:31:54.922						T__			0.77	m_e	
STU	19.77		Pn	21:31:59.947						T__		224.1	0.71	m_e mb	5.5
WERD	19.16		Pn	21:31:53.903	0.2					T__			0.63	m_e	
WERN	19.02		Pn	21:31:52.905	0.2					T__			0.74	m_e	
WET	18.03		Pn	21:31:41.367	1.0					T__		156.4	1.15	m_e mb	5.1
WLF	21.95		Pn	21:32:23.248						T__		32.3	0.84	m_e mb	4.9

Event 51007005 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/07	23:43:40.54			54.5920	-168.9470				33.0			13		73.45	78.10	m i ke	BGR
OrigID 51007011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51007011
Ms	4.5		BGR	51007011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	74.88		P	23:55:16.651	0.0	0.1		5.72		TAS		36.8	1.75	m_e	mb	5.1
CLL	74.46		P	23:55:13.979	0.5	0.1		5.72		TAS		36.9	1.67	m_e	mb	5.1
FBE	74.84		P	23:55:16.651	0.3	0.1		5.72		TAS		63.7	1.73	m_e	mb	5.4
FLT1	73.45		P	23:55:08.080	0.2	0.1		5.72		TAS		39.3	1.87	m_e	mb	5.2
GEC2	76.91		P	23:55:28.338		0.1		5.72		TAS		30.3	1.52	m_e	mb	5.2
GRA1	76.09		L	00:34:51.597						T__		284.0	20.10	a_e	Ms	4.6
GUNZ	75.41		P	23:55:19.879		0.1		5.72		TAS		32.1	1.72	m_e	mb	5.1
MOX	75.13		P	23:55:18.320	-0.2	0.1		5.72		TAS		24.1	1.43	m_e	mb	5.0
MOX	75.13		L	00:34:33.847						T__		239.9	20.60	a_e	Ms	4.5
PLN	75.29		P	23:55:19.100		0.1		5.72		TAS		32.5	1.80	m_e	mb	5.1
RJOB	78.04		P	23:55:34.460		0.1		5.72		TAS		54.5	1.01	m_e	mb	5.6
TNS	75.54		P	23:55:20.658		0.1		5.72		TAS		30.0	1.46	m_e	mb	5.2
UBR	78.10		P	23:55:34.905		0.1		5.72		TAS		53.6	1.54	m_e	mb	5.4
WERN	75.49		P	23:55:20.658		0.1		5.72		TAS		33.1	1.52	m_e	mb	5.2
WET	76.63		P	23:55:27.002		0.1		5.72		TAS		34.3	1.58	m_e	mb	5.2

Event 51008001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/08	00:06:04.51			53.5230	-169.4330				33.0			21		74.52	79.17	m i ke	BGR
OrigID 51008007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51008007
Ms	4.5		BGR	51008007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.27		P	00:17:47.778	0.3	0.4		5.64		TAS		23.6	1.16	m_e	mb	5.2
BFO	78.51		P	00:18:00.005	-0.2	0.4		5.64		TAS		25.5	1.19	m_e	mb	5.1
BRG	75.94		P	00:17:45.813	0.0	0.4		5.64		TAS		15.2	1.07	m_e	mb	5.1
CLL	75.52		P	00:17:43.083	-0.5	0.4		5.64		TAS		14.6	1.11	m_e	mb	5.0
CLZ	75.01		P	00:17:40.900	0.2	0.4		5.64		TAS		36.7	1.28	m_e	mb	5.3
FBE	75.90		P	00:17:45.922	-0.1	0.4		5.64		TAS		23.9	1.13	m_e	mb	5.2
FLT1	74.52		P	00:17:37.188	-0.7	0.4		5.64		TAS		23.1	1.36	m_e	mb	5.0
FUR	78.69		P	00:18:01.424	-0.3	0.4		5.64		TAS		42.2	1.32	m_e	mb	5.3
GEC2	77.97		P	00:17:57.363	-0.0	0.4		5.64		TAS		21.0	1.14	m_e	mb	5.2

GRA1	77.16	P	00:17:53.236	-0.0	0.4	5.64	TAS	39.6	1.24	m_e	mb	5.4
GRA1	77.16	L	00:34:51.574				T__	284.0	20.10	a_e	Ms	4.6
GTTG	75.30	P	00:17:42.537	0.2	0.4	5.64	TAS	36.7	1.16	m_e	mb	5.3
GUNZ	76.48	P	00:17:49.306	0.1	0.4	5.64	TAS	20.6	1.57	m_e	mb	5.0
IBBN	74.52	P	00:17:37.843	-0.0	0.4	5.64	TAS	53.6	1.25	m_e	mb	5.4
MOX	76.20	P	00:17:47.450	0.1	0.4	5.64	TAS	24.9	1.15	m_e	mb	5.2
MOX	76.20	L	00:34:33.892				T__	239.9	20.60	a_e	Ms	4.5
RJOB	79.10	P	00:18:03.499		0.4	5.64	TAS	78.8	0.99	m_e	mb	5.7
ROTZ	77.08	P	00:17:52.581	0.4	0.4	5.64	TAS	27.2	1.44	m_e	mb	5.2
TNS	76.61	P	00:17:49.634	0.2	0.4	5.64	TAS	19.9	1.22	m_e	mb	5.1
UBR	79.17	P	00:18:03.826		0.4	5.64	TAS	34.3	1.21	m_e	mb	5.3
WERN	76.55	P	00:17:49.524	-0.1	0.4	5.64	TAS	22.8	1.08	m_e	mb	5.2
WET	77.69	P	00:17:56.184	-0.4	0.4	5.64	TAS	22.3	1.32	m_e	mb	5.1
WLF	77.12	P	00:17:52.691	0.4	0.4	5.64	TAS	14.9	1.26	m_e	mb	5.0

Event 51008006 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/08	13:23:05.43			51.9200	176.9600				33.0			12		73.93	78.60	m i ke	BGR
OrigID 51008012																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 51008012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.56		P	13:34:58.193	-0.1	9.1		5.69		TAS		14.7	0.61	m_e	mb	5.3
BRG	76.58		P	13:34:52.733	-0.0	9.1		5.69		TAS		9.0	1.07	m_e	mb	4.8
BSEG	73.93		P	13:34:38.039	0.3	9.1		5.69		TAS		27.3	0.88	m_e	mb	5.3
CLL	76.26		P	13:34:50.645	-0.3	9.1		5.69		TAS		7.4	0.68	m_e	mb	4.9
CLZ	76.00		P	13:34:49.842	0.3	9.1		5.69		TAS		17.9	0.82	m_e	mb	5.2
FLT1	75.43		P	13:34:45.828	-0.5	9.1		5.69		TAS		11.2	0.65	m_e	mb	5.0
GEC2	78.60		P	13:35:04.215	-0.1	9.1		5.69		TAS		5.3	0.63	m_e	mb	4.7
GUNZ	77.26		P	13:34:56.828	0.1	9.1		5.69		TAS		5.5	0.62	m_e	mb	4.8
MOX	77.06		P	13:34:55.543	0.0	9.1		5.69		TAS		7.2	0.61	m_e	mb	5.0
NRDL	75.37		P	13:34:45.747	-0.2	9.1		5.69		TAS		11.3	0.88	m_e	mb	4.9
TANN	77.20		P	13:34:56.427	0.1	9.1		5.69		TAS				m_e		
WERN	77.33		P	13:34:57.390	0.3	9.1		5.69		TAS		11.8	0.80	m_e	mb	5.1

Event 51009001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/09	00:01:06.07			-22.6630	169.4850				33.0			13		146.01	150.31	m i ke	BGR
OrigID 51009007																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	150.31		PKPbc	00:20:53.252		40.2		2.78		TAS					m_e	
BRG	146.01		PKPbc	00:20:41.462	0.0	40.2		2.78		TAS					m_e	
CLL	146.09		PKPbc	00:20:41.422	0.1	40.2		2.78		TAS					m_e	
CLZ	146.71		PKPbc	00:20:43.763		40.2		2.78		TAS					m_e	
FBE	146.23		PKPbc	00:20:42.461	0.3	40.2		2.78		TAS					m_e	
GEC2	147.58		PKPbc	00:20:46.522		40.2		2.78		TAS					m_e	
GRA1	148.05		PKPbc	00:20:47.820		40.2		2.78		TAS					m_e	
GTTG	147.10		PKPbc	00:20:44.908		40.2		2.78		TAS					m_e	
MILB	148.73		PKPbc	00:20:49.494		40.2		2.78		TAS					m_e	
NEUB	146.68		PKPbc	00:20:43.540	0.1	40.2		2.78		TAS					m_e	
UBR	150.06		PKPbc	00:20:52.766		40.2		2.78		TAS					m_e	
WERD	147.03		PKPbc	00:20:44.553		40.2		2.78		TAS					m_e	
WLF	150.02		PKPbc	00:20:53.228		40.2		2.78		TAS					m_e	

Event	51009004	Turkey																
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
OrigID																		
2015/10/09	14:39:29.07		40.3730	35.0240					10.0			21		17.34	20.90	m i ke	BGR	
51009010																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	51009010
Ms	3.9		BGR	51009010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	18.04		P	14:43:39.077	0.4	110.1		10.96		TAS		14.3	1.14	m_e	mb 4.0
CLL	18.76		P	14:43:44.847	-1.7	110.1		10.96		TAS		35.0	1.22	m_e	mb 4.5
CLZ	20.48		P	14:44:04.574		110.1		10.96		TAS		25.4	1.20	m_e	mb 4.3
FBE	18.39		P	14:43:42.446	-0.2	110.1		10.96		TAS		43.8	1.34	m_e	mb 4.4
FLT1	20.21		P	14:44:01.162		110.1		10.96		TAS		24.6	1.07	m_e	mb 4.4
GEC2	17.34		P	14:43:31.241	-0.7	110.1		10.96		TAS		30.9	1.29	m_e	mb 4.3
GRA1	19.16		P	14:43:52.307	0.9	110.1		10.96		TAS		33.8	0.96	m_e	mb 4.5
GRA1	19.16		L	14:53:16.038						T__		327.6	18.10	a_e	Ms 3.7
GUNZ	18.75		P	14:43:47.717	0.6	110.1		10.96		TAS		45.0	1.31	m_e	mb 4.5
MANZ	18.73		P	14:43:46.951	-0.2	110.1		10.96		TAS		303.1	3.81	m_e	mb 4.9
MILB	20.39		P	14:44:03.683		110.1		10.96		TAS		25.1	0.77	m_e	mb 4.5
MOX	19.28		P	14:43:52.900	-0.6	110.1		10.96		TAS		21.1	1.33	m_e	mb 4.2
MOX	19.28		L	14:53:48.922						T__		766.8	18.50	a_e	Ms 4.1
NEUB	19.41		P	14:43:53.632	-0.8	110.1		10.96		TAS		49.8	0.85	m_e	mb 4.8
NRDL	20.90		P	14:44:11.439		110.1		10.96		TAS		73.8	1.96	m_e	mb 4.7
PLN	18.90		P	14:43:48.857	0.0	110.1		10.96		TAS		34.2	1.55	m_e	mb 4.3
RJOB	17.55		P	14:43:34.375	0.8	110.1		10.96		TAS		87.1	0.97	m_e	mb 4.9

ROTZ	18.59	P	14:43:45.647	0.0	110.1	10.96	TAS	101.3	2.69	m_e	mb	4.6
RUE	18.91	P	14:43:47.199	0.1	110.1	10.96	TAS	38.8	0.83	m_e	mb	4.7
TANN	18.69	P	14:43:47.205	0.7	110.1	10.96	TAS	47.9	1.62	m_e	mb	4.5
UBR	19.30	P	14:43:53.009	-1.6	110.1	10.96	TAS	41.1	1.19	m_e	mb	4.5
WERN	18.69	P	14:43:46.672	0.1	110.1	10.96	TAS	65.5	1.57	m_e	mb	4.6
WET	17.96	P	14:43:37.878	-0.8	110.1	10.96	TAS	54.5	2.01	m_e	mb	4.3

Event 51009006 Nepal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/09	20:29:51.20			27.4080	86.4550				10.0			26		58.43	63.55	m i ke	BGR
51009012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51009012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	62.80		P	20:40:15.346		81.7		6.86		TAS		11.5	1.08	m_e	mb	4.9
BRG	58.43		P	20:39:45.517	0.2	81.7		6.86		TAS		12.1	1.15	m_e	mb	4.8
BSEG	60.32		P	20:39:58.551	0.0	81.7		6.86		TAS		15.1	1.01	m_e	mb	5.0
BUG	62.52		P	20:40:13.504		81.7		6.86		TAS		7.4	0.81	m_e	mb	4.9
CLL	58.98		P	20:39:48.833	-0.1	81.7		6.86		TAS		10.0	1.48	m_e	mb	4.6
CLZ	60.54		P	20:40:00.221	-0.3	81.7		6.86		TAS		22.1	1.27	m_e	mb	4.8
FBE	58.80		P	20:39:48.336	-0.7	81.7		6.86		TAS		19.9	1.33	m_e	mb	5.0
FLT1	59.95		P	20:39:55.248	0.3	81.7		6.86		TAS		27.2	1.75	m_e	mb	5.0
GEC2	58.81		P	20:39:48.621	0.1	81.7		6.86		TAS		15.0	1.44	m_e	mb	4.8
GRA1	60.31		P	20:39:59.274	0.0	81.7		6.86		TAS		15.1	1.17	m_e	mb	4.9
GTTG	60.84		P	20:40:02.208		81.7		6.86		TAS		17.6	1.25	m_e	mb	4.7
GUNZ	59.51		P	20:39:53.278	0.6	81.7		6.86		TAS		9.5	1.20	m_e	mb	4.7
IBBN	62.07		P	20:40:10.226		81.7		6.86		TAS		18.9	1.26	m_e	mb	5.2
MANZ	59.70		P	20:39:54.873	0.6	81.7		6.86		TAS		13.3	1.36	m_e	mb	4.8
MILB	61.52		P	20:40:06.806		81.7		6.86		TAS		8.3	1.33	m_e	mb	4.8
MOX	59.93		P	20:39:55.962	0.6	81.7		6.86		TAS		10.9	1.26	m_e	mb	4.7
NRDL	60.62		P	20:40:00.883	-0.4	81.7		6.86		TAS		26.0	1.19	m_e	mb	4.9
PLN	59.60		P	20:39:53.638	-0.8	81.7		6.86		TAS		6.1	1.02	m_e	mb	4.6
RGN	58.51		P	20:39:45.602	0.0	81.7		6.86		TAS		97.8	0.99	m_e	mb	5.8
ROTZ	59.66		P	20:39:54.877	0.4	81.7		6.86		TAS		14.1	1.30	m_e	mb	4.8
SKMB	60.74		P	20:40:01.352	0.3	81.7		6.86		TAS		210.9	1.62	m_e	mb	5.7
TANN	59.42		P	20:39:52.511	-0.1	81.7		6.86		TAS		17.0	1.70	m_e	mb	4.8
TNS	61.99		P	20:40:10.260		81.7		6.86		TAS		9.4	1.05	m_e	mb	5.0
WERD	59.51		P	20:39:53.160	0.3	81.7		6.86		TAS		7.7	1.06	m_e	mb	4.7
WET	59.31		P	20:39:52.000	0.1	81.7		6.86		TAS		6.3	0.92	m_e	mb	4.6
WLF	63.55		P	20:40:21.225		81.7		6.86		TAS		34.1	1.77	m_e	mb	5.3

Event 51010001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/10	07:31:07.50			-19.0700	169.5300				254.0				30	142.72	147.07	m i ke	EMSC
OrigID																	
51010033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.07		PKPab	07:50:18.752		35.8		3.11		TAS					m_e
BRG	142.84		PKPab	07:50:05.204	0.1	35.8		3.11		TAS					m_e
BUG	144.80		PKPab	07:50:11.777	-0.4	35.8		3.11		TAS					m_e
CLL	142.88		PKPab	07:50:06.083	-0.0	35.8		3.11		TAS					m_e
CLZ	143.43		PKPab	07:50:07.667	0.4	35.8		3.11		TAS					m_e
FBE	143.04		PKPab	07:50:07.344	0.1	35.8		3.11		TAS					m_e
FLT1	142.72		PKPab	07:50:05.277	-0.1	35.8		3.11		TAS					m_e
FUR	146.04		PKPab	07:50:16.220		35.8		3.11		TAS					m_e
GEC2	144.47		PKPab	07:50:11.122	0.1	35.8		3.11		TAS					m_e
GRA1	144.85		PKPab	07:50:12.646	-0.4	35.8		3.11		TAS					m_e
GTTG	143.81		PKPab	07:50:09.161	0.3	35.8		3.11		TAS					m_e
GUNZ	143.88		PKPab	07:50:09.435	0.1	35.8		3.11		TAS					m_e
IBBN	143.89		PKPab	07:50:09.018	-0.0	35.8		3.11		TAS					m_e
KAST	144.63		PKPab	07:50:11.577	0.3	35.8		3.11		TAS					m_e
MANZ	144.27		PKPab	07:50:10.713	0.1	35.8		3.11		TAS					m_e
MILB	145.48		PKPab	07:50:14.494		35.8		3.11		TAS					m_e
MOX	143.94		PKPab	07:50:09.328	0.4	35.8		3.11		TAS					m_e
NRDL	142.97		PKPab	07:50:06.848	0.1	35.8		3.11		TAS					m_e
PLN	143.85		PKPab	07:50:09.223	-0.2	35.8		3.11		TAS					m_e
RJOB	145.70		PKPab	07:50:14.915		35.8		3.11		TAS					m_e
ROTZ	144.40		PKPab	07:50:11.177	0.3	35.8		3.11		TAS					m_e
STU	146.38		PKPab	07:50:17.212		35.8		3.11		TAS					m_e
TANN	143.79		PKPab	07:50:08.917	0.2	35.8		3.11		TAS					m_e
TNS	145.45		PKPab	07:50:14.246		35.8		3.11		TAS					m_e
UBBA	144.40		PKPab	07:50:10.688	-0.3	35.8		3.11		TAS					m_e
UBR	146.90		PKPab	07:50:18.278		35.8		3.11		TAS					m_e
WERD	143.83		PKPab	07:50:09.082	-0.1	35.8		3.11		TAS					m_e
WERN	143.93		PKPab	07:50:09.797	-0.4	35.8		3.11		TAS					m_e
WET	144.60		PKPab	07:50:11.785	0.2	35.8		3.11		TAS					m_e
WLF	146.69		PKPab	07:50:18.395		35.8		3.11		TAS					m_e

Event 51011001 Pacific-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/11	00:58:27.70			-54.5800	-135.8100				10.0					159.30	159.94	m i ke	NEIC
OrigID																	
51011040																	

Magnitude Err Nsta Author OrigID
 Ms 6.2 BGR 51011007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.30		PKPdf	01:18:26.273		243.7		1.20		TAS				m_e	
GRA1	159.30		PP	01:22:50.507		220.7		5.22		TAS				m_e	
GRA1	159.30		L	02:39:01.193						T__		2910.3	19.30	a_e Ms	6.1
MOX	159.94		L	02:34:40.078						T__		3403.8	20.40	a_e Ms	6.2

Event 51011002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/11	05:05:14.50			-16.0820	-174.7440				33.0				13	145.15	147.74	m i ke	BGR
OrigID 51011008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.74		PKPbc	05:24:56.185		10.3		3.06		TAS				m_e	
FUR	147.63		PKPbc	05:24:55.997		10.3		3.06		TAS				m_e	
GRA1	146.13		PKPbc	05:24:50.478		10.3		3.06		TAS				m_e	
GUNZ	145.33		PKPbc	05:24:48.888		10.3		3.06		TAS				m_e	
MANZ	145.73		PKPbc	05:24:50.260		10.3		3.06		TAS				m_e	
MILB	146.18		PKPbc	05:24:51.854		10.3		3.06		TAS				m_e	
MOX	145.15		PKPbc	05:24:48.131		10.3		3.06		TAS				m_e	
ROTZ	145.93		PKPbc	05:24:51.070		10.3		3.06		TAS				m_e	
TANN	145.26		PKPbc	05:24:48.600		10.3		3.06		TAS				m_e	
TNS	145.85		PKPbc	05:24:50.658		10.3		3.06		TAS				m_e	
WERN	145.40		PKPbc	05:24:49.329		10.3		3.06		TAS				m_e	
WET	146.44		PKPbc	05:24:52.589		10.3		3.06		TAS				m_e	
WLF	146.50		PKPbc	05:24:53.024		10.3		3.06		TAS				m_e	

Event 51011003 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/11	11:53:25.20			-28.5200	178.5100				310.0				27	153.17	158.81	m i ke	GSRC
OrigID 51011086																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	158.81		PKPab	12:13:27.680		19.2		4.35		TAS				m_e	

BRG	154.81	PKPab	12:13:11.884	-0.2	19.2	4.35	TAS	m_e
BSEG	153.17	PKPab	12:13:03.209	0.1	19.2	4.35	TAS	m_e
BUG	156.18	PKPab	12:13:15.009	-0.6	19.2	4.35	TAS	m_e
CLL	154.76	PKPab	12:13:10.953	0.1	19.2	4.35	TAS	m_e
CLZ	155.07	PKPab	12:13:11.884	0.1	19.2	4.35	TAS	m_e
FBE	154.98	PKPab	12:13:12.648	-0.7	19.2	4.35	TAS	m_e
FLT1	154.40	PKPab	12:13:08.461	0.1	19.2	4.35	TAS	m_e
FUR	158.04	PKPab	12:13:26.201		19.2	4.35	TAS	m_e
GEC2	156.58	PKPab	12:13:20.060		19.2	4.35	TAS	m_e
GRA1	156.73	PKPab	12:13:20.048		19.2	4.35	TAS	m_e
GTTG	155.44	PKPab	12:13:13.367	0.2	19.2	4.35	TAS	m_e
GUNZ	155.79	PKPab	12:13:16.096	-0.0	19.2	4.35	TAS	m_e
IBBN	155.26	PKPab	12:13:11.772	-0.1	19.2	4.35	TAS	m_e
MANZ	156.19	PKPab	12:13:17.602	0.4	19.2	4.35	TAS	m_e
MILB	157.19	PKPab	12:13:20.659		19.2	4.35	TAS	m_e
MOX	155.78	PKPab	12:13:15.195	0.2	19.2	4.35	TAS	m_e
NEUB	155.25	PKPab	12:13:12.714	0.3	19.2	4.35	TAS	m_e
PLN	155.74	PKPab	12:13:15.300	0.0	19.2	4.35	TAS	m_e
RJOB	157.83	PKPab	12:13:26.106		19.2	4.35	TAS	m_e
ROTZ	156.35	PKPab	12:13:18.565	-0.1	19.2	4.35	TAS	m_e
TANN	155.71	PKPab	12:13:15.532	0.0	19.2	4.35	TAS	m_e
TNS	157.05	PKPab	12:13:19.808		19.2	4.35	TAS	m_e
WERD	155.73	PKPab	12:13:15.641	0.4	19.2	4.35	TAS	m_e
WERN	155.84	PKPab	12:13:16.328	0.0	19.2	4.35	TAS	m_e
WET	156.64	PKPab	12:13:20.278		19.2	4.35	TAS	m_e
WLF	158.09	PKPab	12:13:23.991		19.2	4.35	TAS	m_e

Event 51011004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/11	13:32:06.44			47.6040	151.7620				33.0			32		74.04	79.39	m i ke	BGR
51011010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51011010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.61		P	13:43:57.470	-0.4	26.1		5.63		TAS		30.1	1.09	m_e mb	5.3
ASSE	75.22		P	13:43:43.989	0.3	26.1		5.63		TAS		7.9	0.77	m_e mb	4.8
BFO	79.30		P	13:44:06.498		26.1		5.63		TAS		25.1	1.01	m_e mb	5.2
BRG	75.41		P	13:43:44.841	-0.1	26.1		5.63		TAS		8.5	0.90	m_e mb	4.8
BUG	76.74		P	13:43:52.351	0.2	26.1		5.63		TAS		15.5	0.82	m_e mb	5.2
CLL	75.30		P	13:43:44.066	-0.0	26.1		5.63		TAS		36.4	0.80	m_e mb	5.5
CLZ	75.56		P	13:43:46.327	-0.0	26.1		5.63		TAS		27.3	0.91	m_e mb	5.4
FBE	75.54		P	13:43:45.869	-0.0	26.1		5.63		TAS		18.3	0.79	m_e mb	5.3
FLT1	74.89		P	13:43:41.671	0.5	26.1		5.63		TAS		27.1	0.79	m_e mb	5.3

FUR	78.62	P	13:44:03.207		26.1	5.63	TAS	21.3	0.80	m_e	mb	5.2
GEC2	77.28	P	13:43:55.565	0.1	26.1	5.63	TAS	9.3	0.63	m_e	mb	5.1
GRA1	77.26	P	13:43:55.904	0.3	26.1	5.63	TAS	37.1	0.76	m_e	mb	5.6
GTTG	75.94	P	13:43:47.987	0.2	26.1	5.63	TAS	29.9	1.36	m_e	mb	5.2
GUNZ	76.34	P	13:43:50.346	0.2	26.1	5.63	TAS	13.5	0.77	m_e	mb	5.1
IBBN	75.82	P	13:43:47.518	-0.1	26.1	5.63	TAS	19.8	0.65	m_e	mb	5.4
KAST	76.66	P	13:43:52.177	-0.0	26.1	5.63	TAS	17.2	0.88	m_e	mb	5.2
MANZ	76.74	P	13:43:52.285	0.1	26.1	5.63	TAS	11.6	0.66	m_e	mb	5.1
MILB	77.68	P	13:43:57.811		26.1	5.63	TAS	34.0	0.80	m_e	mb	5.5
MOX	76.29	P	13:43:50.020	-0.1	26.1	5.63	TAS	10.7	0.79	m_e	mb	5.0
NRDL	75.04	P	13:43:42.845	0.1	26.1	5.63	TAS	13.8	0.82	m_e	mb	5.0
PLN	76.28	P	13:43:49.892	-0.3	26.1	5.63	TAS	10.7	1.08	m_e	mb	4.9
RJOB	78.54	P	13:44:03.028		26.1	5.63	TAS	46.8	0.74	m_e	mb	5.6
ROTZ	76.91	P	13:43:53.719	0.0	26.1	5.63	TAS	15.2	0.96	m_e	mb	5.1
RUE	74.04	P	13:43:37.263	-0.2	26.1	5.63	TAS	47.1	1.06	m_e	mb	5.4
STU	78.66	P	13:44:03.102		26.1	5.63	TAS	48.6	1.09	m_e	mb	5.5
TANN	76.25	P	13:43:49.744	-0.1	26.1	5.63	TAS	6.6	0.83	m_e	mb	4.8
TNS	77.55	P	13:43:57.283	-0.5	26.1	5.63	TAS	18.7	0.71	m_e	mb	5.3
UBBA	76.59	P	13:43:51.557	0.5	26.1	5.63	TAS	6.3	0.68	m_e	mb	4.9
UBR	79.39	P	13:44:07.138		26.1	5.63	TAS	10.8	0.94	m_e	mb	4.9
WERD	76.27	P	13:43:49.870	0.1	26.1	5.63	TAS	9.4	0.89	m_e	mb	4.9
WERN	76.39	P	13:43:50.840	0.4	26.1	5.63	TAS	17.2	0.71	m_e	mb	5.3
WET	77.26	P	13:43:55.965	-0.3	26.1	5.63	TAS	19.6	1.03	m_e	mb	5.2

Event 51012001 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	02:16:09.40			34.3300	26.4000				2.0			33		17.30	22.65	m i ke	EMSC
51012033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	51012007
Ms	4.2		BGR	51012007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	21.48		P	02:20:56.238	0.3	138.1		10.64		TAS		29.1	0.74	m_e	mb	4.7
ASSE	21.08		P	02:20:51.467	0.2	138.1		10.64		TAS		18.6	1.18	m_e	mb	4.3
BFO	19.42		P	02:20:33.779	-0.1	138.1		10.64		TAS		22.5	0.80	m_e	mb	4.5
BRG	18.86		P	02:20:27.893	-0.2	138.1		10.64		TAS		12.1	0.86	m_e	mb	4.1
BSEG	22.65		P	02:21:07.053		138.1		10.64		TAS		24.1	1.10	m_e	mb	4.6
BUG	22.00		P	02:21:01.550		138.1		10.64		TAS		27.1	0.97	m_e	mb	4.6
CLL	19.55		P	02:20:35.545	0.1	138.1		10.64		TAS		51.0	1.58	m_e	mb	4.5
CLZ	20.97		P	02:20:50.027	-0.2	138.1		10.64		TAS		19.0	1.20	m_e	mb	4.3
FBE	19.11		P	02:20:29.807	-0.4	138.1		10.64		TAS		24.8	0.97	m_e	mb	4.4
FLT1	21.03		P	02:20:49.204	1.5	138.1		10.64		TAS		34.5	1.34	m_e	mb	4.5
FUR	17.85		P	02:20:15.903	-0.7	138.1		10.64		TAS		35.1	0.95	m_e	mb	4.5

GEC2	17.30	P	02:20:10.700	-1.7	138.1	10.64	TAS	16.5	0.95	m_e	mb	4.1
GRA1	18.99	P	02:20:29.981	0.3	138.1	10.64	TAS	47.1	1.17	m_e	mb	4.6
GRA1	18.99	L	02:28:54.149				T__	856.2	20.10	a_e	Ms	4.1
GTTG	20.91	P	02:20:49.899	-1.6	138.1	10.64	TAS	83.1	1.20	m_e	mb	4.9
GUNZ	19.05	P	02:20:30.699	-0.5	138.1	10.64	TAS	32.7	1.20	m_e	mb	4.4
IBBN	22.40	P	02:21:06.459		138.1	10.64	TAS	31.4	1.06	m_e	mb	4.7
KAST	21.32	P	02:20:54.206	-0.7	138.1	10.64	TAS	23.8	1.24	m_e	mb	4.4
MANZ	18.84	P	02:20:29.473	0.6	138.1	10.64	TAS	19.6	1.27	m_e	mb	4.2
MILB	19.95	P	02:20:39.491	2.8	138.1	10.64	TAS	29.8	0.90	m_e	mb	4.5
MOX	19.55	P	02:20:35.586	0.6	138.1	10.64	TAS	17.5	1.45	m_e	mb	4.1
MOX	19.55	L	02:29:37.526				T__	1401.7	19.40	a_e	Ms	4.3
NEUB	19.92	P	02:20:39.547	-0.5	138.1	10.64	TAS	24.1	1.09	m_e	mb	4.3
NRDL	21.58	P	02:20:56.344	-0.4	138.1	10.64	TAS	48.5	1.57	m_e	mb	4.7
PLN	19.21	P	02:20:31.420	0.7	138.1	10.64	TAS	28.9	1.30	m_e	mb	4.3
ROTZ	18.63	P	02:20:27.488	1.2	138.1	10.64	TAS	11.3	1.17	m_e	mb	4.0
RUE	20.27	P	02:20:43.956	-0.0	138.1	10.64	TAS	68.1	1.21	m_e	mb	4.7
STU	19.27	P	02:20:33.003	0.6	138.1	10.64	TAS	52.7	0.71	m_e	mb	4.9
TANN	19.04	P	02:20:30.394	0.4	138.1	10.64	TAS	20.8	0.95	m_e	mb	4.3
TNS	20.62	P	02:20:47.038	-0.7	138.1	10.64	TAS	53.7	1.61	m_e	mb	4.6
UBR	18.09	P	02:20:19.435	1.4	138.1	10.64	TAS	48.0	1.09	m_e	mb	4.5
WERD	19.12	P	02:20:30.694	-0.6	138.1	10.64	TAS	26.0	1.11	m_e	mb	4.4
WERN	18.97	P	02:20:29.232	0.0	138.1	10.64	TAS	15.3	1.12	m_e	mb	4.1
WET	17.87	P	02:20:17.334	0.0	138.1	10.64	TAS	48.7	1.85	m_e	mb	4.3
WLF	21.37	P	02:20:55.453	-0.3	138.1	10.64	TAS	48.7	0.82	m_e	mb	4.9

Event 51012002 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	03:15:19.90			-31.1500	-71.6800				30.0					108.82	109.46	m i ke	EMSC
51012034																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	51012008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	108.82		PP	03:34:10.602						T__				m_e		
GRA1	108.82		L	04:16:40.418						T__		563.4	21.50	a_e	Ms	5.1
MOX	109.46		L	04:19:25.519						T__		1259.6	19.40	a_e	Ms	5.5

Event 51012003 Northern Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	04:35:48.46			7.9960	-76.6750				33.0				24	79.32	84.29	m i ke	BGR

51012009

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51012009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.91		P	04:47:54.357	0.1	273.6		5.20		TAS		56.6	1.70	m_e	mb 5.2
ASSE	82.12		P	04:48:06.121	0.0	273.6		5.20		TAS		7.9	0.89	m_e	mb 4.9
BRG	84.25		P	04:48:16.775		273.6		5.20		TAS		10.6	1.16	m_e	mb 5.0
BSEG	81.83		P	04:48:03.936	0.1	273.6		5.20		TAS		39.9	1.89	m_e	mb 5.2
BUG	80.03		P	04:47:54.447	-0.4	273.6		5.20		TAS		62.6	1.90	m_e	mb 5.2
CLL	83.62		P	04:48:13.311		273.6		5.20		TAS		16.7	1.44	m_e	mb 5.1
CLZ	81.95		P	04:48:04.910	0.1	273.6		5.20		TAS		36.2	1.78	m_e	mb 5.2
FBE	83.88		P	04:48:14.843		273.6		5.20		TAS		7.7	0.89	m_e	mb 4.9
FLT1	82.46		P	04:48:07.155	-0.2	273.6		5.20		TAS		37.7	1.66	m_e	mb 5.3
GEC2	84.29		P	04:48:16.746		273.6		5.20		TAS		10.1	1.10	m_e	mb 5.0
GRA1	82.61		P	04:48:08.459	0.2	273.6		5.20		TAS		7.0	1.06	m_e	mb 4.8
GUNZ	83.27		P	04:48:11.800		273.6		5.20		TAS		14.6	1.52	m_e	mb 5.0
MANZ	83.16		P	04:48:11.541		273.6		5.20		TAS		22.5	1.75	m_e	mb 5.1
MILB	81.35		P	04:48:01.645	0.2	273.6		5.20		TAS		13.0	0.97	m_e	mb 4.9
MOX	82.80		P	04:48:09.129	-0.0	273.6		5.20		TAS		14.4	1.64	m_e	mb 4.9
NRDL	81.76		P	04:48:04.004	0.4	273.6		5.20		TAS		33.2	1.74	m_e	mb 5.2
PLN	83.15		P	04:48:10.993	-0.3	273.6		5.20		TAS		11.0	1.19	m_e	mb 5.0
RJOB	83.79		P	04:48:14.105		273.6		5.20		TAS		60.0	1.57	m_e	mb 5.6
ROTZ	83.24		P	04:48:11.619		273.6		5.20		TAS		9.7	1.30	m_e	mb 4.9
TANN	83.35		P	04:48:12.167		273.6		5.20		TAS		12.9	1.29	m_e	mb 5.0
UBBA	81.76		P	04:48:03.499	-0.1	273.6		5.20		TAS		21.0	1.65	m_e	mb 5.0
WERN	83.31		P	04:48:12.241		273.6		5.20		TAS		25.4	1.72	m_e	mb 5.2
WET	83.73		P	04:48:14.265		273.6		5.20		TAS		36.5	1.87	m_e	mb 5.3
WLF	79.32		P	04:47:51.212	0.1	273.6		5.20		TAS		17.7	0.80	m_e	mb 5.1

Event 51012008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	06:44:30.20			-19.6000	168.8900				14.0					145.07	145.07	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.07		PKPbc	07:04:05.369		38.7		3.18		TAS				m_e	

Event 51012013 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	10:04:21.36			34.0250	97.6410				33.0			6		62.79	62.79	m i ke	BGR
OrigID 51012019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	51012019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	62.79		P	10:14:42.691		72.2		6.00		TAS		14.2	1.19	m_e mb	5.0

Event 51012016 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	19:30:42.03			55.4970	-160.0780				43.1	1.0		35		70.65	76.96	m i ke	BGR
OrigID 51012022																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51012022
Ms	4.3		BGR	51012022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.79		P	19:42:09.706	0.0	354.9		5.80		TAS		14.6	1.16	m_e mb	4.9
AHRW	73.79		pP	19:42:22.034	-0.1	354.9		5.86		TAS				m_e	
ASSE	72.47		P	19:42:01.914	-0.0	354.9		5.80		TAS		16.2	1.30	m_e mb	5.0
ASSE	72.47		pP	19:42:14.095	0.1	354.9		5.86		TAS				m_e	
BFO	76.09		P	19:42:22.739		354.9		5.80		TAS		10.3	1.01	m_e mb	4.9
BFO	76.09		pP	19:42:35.116		354.9		5.86		TAS				m_e	
BRG	73.88		P	19:42:10.067	0.0	354.9		5.80		TAS		23.1	1.09	m_e mb	5.1
BRG	73.88		pP	19:42:22.373	-0.1	354.9		5.86		TAS				m_e	
BSEG	70.65		P	19:41:51.274	0.3	354.9		5.80		TAS		25.3	1.10	m_e mb	5.3
BSEG	70.65		pP	19:42:03.413	0.2	354.9		5.86		TAS				m_e	
BUG	72.91		P	19:42:04.310	-0.0	354.9		5.80		TAS		30.2	1.21	m_e mb	5.3
BUG	72.91		pP	19:42:16.615	-0.2	354.9		5.86		TAS				m_e	
CLL	73.41		P	19:42:07.154	0.3	354.9		5.80		TAS		18.7	1.02	m_e mb	5.2
CLL	73.41		pP	19:42:19.299	0.2	354.9		5.86		TAS				m_e	
CLZ	72.74		P	19:42:03.905	-0.3	354.9		5.80		TAS		30.9	1.18	m_e mb	5.3
FBE	73.81		P	19:42:10.040	-0.1	354.9		5.80		TAS		35.1	1.14	m_e mb	5.3
FBE	73.81		pP	19:42:22.222	0.1	354.9		5.86		TAS				m_e	
FLT1	72.30		P	19:42:00.411	0.3	354.9		5.80		TAS		27.7	1.23	m_e mb	5.3
FLT1	72.30		pP	19:42:12.655	0.3	354.9		5.86		TAS				m_e	
FUR	76.46		P	19:42:25.109		354.9		5.80		TAS		20.9	0.88	m_e mb	5.3
FUR	76.46		pP	19:42:37.517		354.9		5.86		TAS				m_e	
GEC2	75.90		P	19:42:21.911	-0.2	354.9		5.80		TAS		12.8	1.05	m_e mb	5.0
GEC2	75.90		pP	19:42:34.209		354.9		5.86		TAS				m_e	
GRA1	74.93		P	19:42:16.588	-0.2	354.9		5.80		TAS		23.1	1.22	m_e mb	5.1

GRA1	74.93	pP	19:42:28.954	-0.3	354.9	5.86	TAS			m_e		
GRA1	74.93	L	20:14:02.352				T__	151.4	19.50	a_e	Ms	4.3
GTTG	73.01	P	19:42:05.452	-0.3	354.9	5.80	TAS	27.6	0.86	m_e	mb	5.4
GTTG	73.01	pP	19:42:17.721	-0.2	354.9	5.86	TAS			m_e		
GUNZ	74.32	P	19:42:12.970	-0.1	354.9	5.80	TAS	12.2	1.15	m_e	mb	4.8
GUNZ	74.32	pP	19:42:25.220	0.1	354.9	5.86	TAS			m_e		
IBBN	72.09	P	19:41:59.922	0.3	354.9	5.80	TAS	30.5	1.16	m_e	mb	5.3
IBBN	72.09	pP	19:42:12.201	-0.1	354.9	5.86	TAS			m_e		
KAST	73.24	P	19:42:06.439	0.1	354.9	5.80	TAS	11.3	1.06	m_e	mb	4.9
KAST	73.24	pP	19:42:18.762	0.1	354.9	5.86	TAS			m_e		
LNIZ	71.27	pP	19:42:07.271	0.1	354.9	5.86	TAS			m_e		
MANZ	74.69	P	19:42:14.830	-0.2	354.9	5.80	TAS	9.7	1.22	m_e	mb	4.7
MANZ	74.69	pP	19:42:27.266	-0.3	354.9	5.86	TAS			m_e		
MILB	74.67	P	19:42:14.912	0.1	354.9	5.80	TAS	26.2	0.97	m_e	mb	5.2
MILB	74.67	pP	19:42:27.088	0.3	354.9	5.86	TAS			m_e		
MOX	74.00	P	19:42:10.916	0.0	354.9	5.80	TAS	25.0	1.03	m_e	mb	5.2
MOX	74.00	pP	19:42:23.137	0.2	354.9	5.86	TAS			m_e		
MOX	74.00	L	20:13:35.188				T__	142.4	21.30	a_e	Ms	4.2
NEUB	73.46	P	19:42:07.760	-0.1	354.9	5.80	TAS	25.5	1.05	m_e	mb	5.3
NEUB	73.46	pP	19:42:19.884	-0.1	354.9	5.86	TAS			m_e		
NRDL	72.07	P	19:41:59.482	-0.1	354.9	5.80	TAS	26.2	1.10	m_e	mb	5.3
NRDL	72.07	pP	19:42:11.825	-0.6	354.9	5.86	TAS			m_e		
PLN	74.19	P	19:42:11.994	0.2	354.9	5.80	TAS	14.8	1.08	m_e	mb	4.9
PLN	74.19	pP	19:42:24.155	0.1	354.9	5.86	TAS			m_e		
RJOB	76.96	P	19:42:27.908		354.9	5.80	TAS	80.6	0.94	m_e	mb	5.8
ROTZ	74.91	P	19:42:16.187	0.0	354.9	5.80	TAS	17.1	1.13	m_e	mb	5.0
ROTZ	74.91	pP	19:42:28.738	-0.1	354.9	5.86	TAS			m_e		
RUE	72.27	P	19:42:01.104	-0.2	354.9	5.80	TAS	70.3	1.12	m_e	mb	5.7
RUE	72.27	pP	19:42:13.138	-0.2	354.9	5.86	TAS			m_e		
STU	75.72	P	19:42:20.648	-0.2	354.9	5.80	TAS	30.4	0.73	m_e	mb	5.5
STU	75.72	pP	19:42:32.970	-0.2	354.9	5.86	TAS			m_e		
TANN	74.28	P	19:42:12.528	0.1	354.9	5.80	TAS	20.5	1.48	m_e	mb	4.9
TANN	74.28	pP	19:42:25.016	-0.0	354.9	5.86	TAS			m_e		
TNS	74.22	P	19:42:12.012	0.3	354.9	5.80	TAS	20.6	1.19	m_e	mb	5.0
TNS	74.22	pP	19:42:24.522	0.3	354.9	5.86	TAS			m_e		
UBBA	73.73	P	19:42:09.077	0.0	354.9	5.80	TAS	9.3	1.26	m_e	mb	4.7
UBBA	73.73	pP	19:42:21.472	-0.1	354.9	5.86	TAS			m_e		
UBR	76.87	P	19:42:27.288		354.9	5.80	TAS	18.6	1.25	m_e	mb	5.1
UBR	76.87	pP	19:42:39.771		354.9	5.86	TAS			m_e		
WERD	74.23	P	19:42:12.294	0.5	354.9	5.80	TAS	16.0	1.26	m_e	mb	4.9
WERD	74.23	pP	19:42:24.456	0.3	354.9	5.86	TAS			m_e		
WERN	74.40	P	19:42:13.498	0.0	354.9	5.80	TAS	16.5	1.17	m_e	mb	5.0
WERN	74.40	pP	19:42:25.873	0.2	354.9	5.86	TAS			m_e		
WET	75.56	P	19:42:20.090	-0.1	354.9	5.80	TAS	20.6	1.37	m_e	mb	5.1
WET	75.56	pP	19:42:32.672	-0.1	354.9	5.86	TAS			m_e		
WLF	74.58	P	19:42:14.574	0.3	354.9	5.80	TAS	21.7	1.16	m_e	mb	5.1
WLF	74.58	pP	19:42:26.825	0.3	354.9	5.86	TAS			m_e		

Event 51012017 Iran-Turkmenistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/12	21:37:42.70			37.7240	55.1790				10.0			26		31.80	35.87	m i ke	BGR
OrigID 51012023																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51012023
Ms	4.6		BGR	51012023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	34.07		P	21:44:25.274	0.7	94.0		8.70		TAS		16.1	1.23	m_e	mb	4.8
BRG	31.88		P	21:44:07.042	0.1	94.0		8.70		TAS		20.8	1.37	m_e	mb	4.9
BSEG	34.54		P	21:44:29.075		94.0		8.70		TAS		34.3	1.25	m_e	mb	5.1
CLL	32.52		P	21:44:11.966	0.1	94.0		8.70		TAS		11.4	1.08	m_e	mb	4.7
CLZ	34.22		P	21:44:26.959	-0.1	94.0		8.70		TAS		8.8	0.94	m_e	mb	4.7
FBE	32.25		P	21:44:10.697	-0.7	94.0		8.70		TAS		27.8	1.48	m_e	mb	5.0
FLT1	33.75		P	21:44:22.157	0.1	94.0		8.70		TAS		27.9	0.89	m_e	mb	5.2
GEC2	31.80		P	21:44:06.158	-0.2	94.0		8.70		TAS		11.3	1.27	m_e	mb	4.6
GRA1	33.49		P	21:44:21.458	0.1	94.0		8.70		TAS		22.4	1.59	m_e	mb	4.8
GRA1	33.49		L	22:00:09.430						T__		1118.4	18.40	a_e	Ms	4.6
GTTG	34.44		P	21:44:29.196		94.0		8.70		TAS		30.9	1.08	m_e	mb	5.2
GUNZ	32.83		P	21:44:15.474	-0.3	94.0		8.70		TAS		11.4	1.06	m_e	mb	4.7
IBBN	35.87		P	21:44:41.092		94.0		8.70		TAS		19.0	0.83	m_e	mb	5.0
KAST	35.38		P	21:44:37.409		94.0		8.70		TAS		25.7	1.77	m_e	mb	4.9
LNIZ	32.19		P	21:44:07.935	-0.0	94.0		8.70		TAS		39.0	0.85	m_e	mb	5.4
MILB	34.74		P	21:44:31.900		94.0		8.70		TAS		17.0	0.93	m_e	mb	5.0
MOX	33.32		P	21:44:19.593	-0.3	94.0		8.70		TAS		27.5	1.04	m_e	mb	5.1
MOX	33.32		L	21:58:21.656						T__		1009.5	21.50	a_e	Ms	4.5
NEUB	33.28		P	21:44:18.999	-0.5	94.0		8.70		TAS		37.2	1.13	m_e	mb	5.2
PLN	32.95		P	21:44:16.319	0.1	94.0		8.70		TAS		14.0	1.13	m_e	mb	4.8
RJOB	32.34		P	21:44:11.453	-0.5	94.0		8.70		TAS		33.3	0.96	m_e	mb	5.2
ROTZ	32.86		P	21:44:15.272	-0.0	94.0		8.70		TAS		8.4	1.40	m_e	mb	4.5
STU	34.78		P	21:44:32.157		94.0		8.70		TAS		112.2	1.17	m_e	mb	5.7
TANN	32.76		P	21:44:14.754	0.1	94.0		8.70		TAS		11.1	1.05	m_e	mb	4.7
UBR	34.15		P	21:44:26.478	-0.1	94.0		8.70		TAS		17.2	1.28	m_e	mb	4.8
WERD	32.86		P	21:44:15.550	-0.1	94.0		8.70		TAS		12.3	1.08	m_e	mb	4.8
WERN	32.80		P	21:44:15.131	-0.0	94.0		8.70		TAS		17.3	1.42	m_e	mb	4.8
WET	32.37		P	21:44:10.647	0.8	94.0		8.70		TAS		5.4	1.38	m_e	mb	4.3

Event 51013001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/13	03:56:10.23			-24.0600	171.8550				33.0			25		148.13	152.49	m i ke	BGR
OrigID																	

51013007

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	152.49		PKPbc	04:16:02.691		37.6		2.54		TAS					m_e	
BRG	148.25		PKPbc	04:15:52.246	0.1	37.6		2.54		TAS					m_e	
CLL	148.29		PKPbc	04:15:52.318	0.0	37.6		2.54		TAS					m_e	
CLZ	148.84		PKPbc	04:15:54.206	0.3	37.6		2.54		TAS					m_e	
FBE	148.45		PKPbc	04:15:53.085	0.4	37.6		2.54		TAS					m_e	
FLT1	148.13		PKPbc	04:15:51.626	0.1	37.6		2.54		TAS					m_e	
GEC2	149.87		PKPbc	04:15:56.676	-0.6	37.6		2.54		TAS					m_e	
GRA1	150.27		PKPbc	04:15:57.854		37.6		2.54		TAS					m_e	
GTTG	149.23		PKPbc	04:15:55.385	0.2	37.6		2.54		TAS					m_e	
GUNZ	149.30		PKPbc	04:15:55.511	0.0	37.6		2.54		TAS					m_e	
KAST	150.04		PKPbc	04:15:57.214		37.6		2.54		TAS					m_e	
MANZ	149.68		PKPbc	04:15:56.416	-0.3	37.6		2.54		TAS					m_e	
MILB	150.89		PKPbc	04:15:59.383		37.6		2.54		TAS					m_e	
MOX	149.36		PKPbc	04:15:55.171	-0.4	37.6		2.54		TAS					m_e	
NEUB	148.86		PKPbc	04:15:54.083	-0.1	37.6		2.54		TAS					m_e	
NRDL	148.39		PKPbc	04:15:52.548	0.4	37.6		2.54		TAS					m_e	
PLN	149.27		PKPbc	04:15:55.080	0.2	37.6		2.54		TAS					m_e	
RJOB	151.09		PKPbc	04:15:59.443		37.6		2.54		TAS					m_e	
ROTZ	149.81		PKPbc	04:15:56.665	0.3	37.6		2.54		TAS					m_e	
STU	151.80		PKPbc	04:16:01.648		37.6		2.54		TAS					m_e	
TANN	149.21		PKPbc	04:15:54.990	0.2	37.6		2.54		TAS					m_e	
UBR	152.31		PKPbc	04:16:02.462		37.6		2.54		TAS					m_e	
WERN	149.34		PKPbc	04:15:55.634	0.3	37.6		2.54		TAS					m_e	
WET	150.01		PKPbc	04:15:57.156		37.6		2.54		TAS					m_e	
WLF	152.10		PKPbc	04:16:02.794		37.6		2.54		TAS					m_e	

Event 51014002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2015/10/14	05:43:22.88		50.5660	155.2610					33.0			36		71.26	77.64	m i ke	BGR
51014008																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	51014008
MBB	6.4		BGR	51014008
Ms	6.4		BGR	51014008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.68		P	05:55:03.134	-0.0	22.7		5.76		TAS		108.0	1.06	m_e	MBB 6.4
ASSE	73.38		P	05:54:49.966	0.2	22.7		5.76		TAS		292.8	1.89	m_e	MBB 6.4
BFO	77.47		P	05:55:13.347		22.7		5.76		TAS		197.5	1.80	m_e	MBB 6.3

BRG	73.71	P	05:54:51.461	0.4	22.7	5.76	TAS	90.4	0.94	m_e	MBB	6.2
BSEG	71.79	P	05:54:40.654	-0.5	22.7	5.76	TAS	142.3	0.93	m_e	MBB	6.5
BUG	74.80	P	05:54:57.624	-0.3	22.7	5.76	TAS	111.3	1.04	m_e	MBB	6.3
CLL	73.56	P	05:54:50.553	-0.3	22.7	5.76	TAS	248.7	0.84	m_e	MBB	6.4
CLZ	73.71	P	05:54:52.258	-0.2	22.7	5.76	TAS	240.8	0.94	m_e	MBB	6.5
FBE	73.82	P	05:54:52.252	-0.2	22.7	5.76	TAS	171.4	0.97	m_e	MBB	6.2
FLT1	73.06	P	05:54:47.530	-0.4	22.7	5.76	TAS	195.3	0.90	m_e	MBB	6.4
FUR	76.89	P	05:55:10.641	-1.1	22.7	5.76	TAS	276.0	1.52	m_e	MBB	6.5
GEC2	75.63	P	05:55:02.788	0.1	22.7	5.76	TAS	177.8	1.70	m_e	MBB	6.3
GRA1	75.49	P	05:55:02.252	0.3	22.7	5.76	TAS	242.7	0.95	m_e	mb	6.2
GRA1	75.49	L	06:34:34.690				T__	17316.0	18.20	a_e	Ms	6.4
GTTG	74.08	P	05:54:54.294	-0.3	22.7	5.76	TAS	187.8	1.39	m_e	MBB	6.3
GUNZ	74.59	P	05:54:56.956	0.1	22.7	5.76	TAS	91.2	0.85	m_e	MBB	6.1
IBBN	73.88	P	05:54:52.835	-0.2	22.7	5.76	TAS	156.2	0.89	m_e	MBB	6.3
KAST	74.76	P	05:54:57.468	-0.0	22.7	5.76	TAS	117.3	0.96	m_e	MBB	6.3
LNIZ	71.26	P	05:54:38.050	-0.0	22.7	5.76	TAS	172.6	0.84	m_e	MBB	6.6
MANZ	75.00	P	05:54:59.221	0.1	22.7	5.76	TAS	89.7	0.97	m_e	MBB	6.3
MILB	75.84	P	05:55:04.752	0.5	22.7	5.76	TAS	166.8	0.89	m_e	MBB	6.4
MOX	74.52	P	05:54:56.301	0.1	22.7	5.76	TAS	113.3	0.91	m_e	MBB	6.3
MOX	74.52	L	06:34:54.341				T__	17852.4	18.10	a_e	Ms	6.4
NEUB	73.97	P	05:54:53.108	0.1	22.7	5.76	TAS	170.9	0.99	m_e	MBB	6.4
NRDL	73.17	P	05:54:48.668	0.5	22.7	5.76	TAS	116.3	0.93	m_e	MBB	6.4
PLN	74.53	P	05:54:56.564	-0.3	22.7	5.76	TAS	105.0	0.98	m_e	MBB	6.3
RJOB	76.88	P	05:55:10.356		22.7	5.76	TAS	863.0	1.94	m_e	MBB	7.1
ROTZ	75.17	P	05:55:00.372	-0.0	22.7	5.76	TAS	131.0	1.03	m_e	MBB	6.3
RUE	72.29	P	05:54:43.621	0.1	22.7	5.76	TAS	306.3	0.91	m_e	MBB	6.7
STU	76.85	P	05:55:09.944	-0.1	22.7	5.76	TAS	233.2	1.04	m_e	MBB	6.8
TANN	74.51	P	05:54:56.151	0.1	22.7	5.76	TAS	134.4	1.43	m_e	MBB	6.3
TNS	75.67	P	05:55:03.012	0.7	22.7	5.76	TAS	87.8	0.85	m_e	MBB	6.4
UBBA	74.75	P	05:54:57.518	0.1	22.7	5.76	TAS	394.5	2.08	m_e	MBB	6.3
UBR	77.64	P	05:55:13.383		22.7	5.76	TAS	341.4	1.99	m_e	MBB	6.4
WERD	74.52	P	05:54:56.641	-0.3	22.7	5.76	TAS	323.8	1.86	m_e	MBB	6.1
WERN	74.65	P	05:54:57.359	0.2	22.7	5.76	TAS	142.1	0.85	m_e	MBB	6.2
WET	75.57	P	05:55:02.839	0.1	22.7	5.76	TAS	140.9	0.94	m_e	MBB	6.5
WLF	76.71	P	05:55:09.097	0.3	22.7	5.76	TAS	496.3	2.23	m_e	MBB	6.5

Event 51014003 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/14	05:47:19.90			52.0200	153.2230				33.0			24		69.97	74.00	m i ke	BGR
51014009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51014009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	71.54	P	05:58:35.937	-0.0	23.3	5.90	TAS	8.5	0.96	m_e	mb	4.8
BRG	71.85	P	05:58:37.656	0.1	23.3	5.90	TAS	11.2	1.04	m_e	mb	4.9
BSEG	69.97	P	05:58:26.921	-0.1	23.3	5.90	TAS	18.1	0.90	m_e	mb	5.2
CLL	71.70	P	05:58:36.597	-0.2	23.3	5.90	TAS	33.0	1.03	m_e	mb	5.4
CLZ	71.88	P	05:58:38.469	0.0	23.3	5.90	TAS	34.0	1.13	m_e	mb	5.4
FBE	71.96	P	05:58:38.648	0.0	23.3	5.90	TAS	28.5	1.10	m_e	mb	5.3
FLT1	71.22	P	05:58:33.708	0.5	23.3	5.90	TAS	24.9	1.03	m_e	mb	5.3
GEC2	73.76	P	05:58:48.916		23.3	5.90	TAS	24.9	1.52	m_e	mb	5.0
GRA1	73.64	P	05:58:48.517		23.3	5.90	TAS	22.3	0.98	m_e	mb	5.2
GUNZ	72.74	P	05:58:43.414	0.1	23.3	5.90	TAS	16.5	1.28	m_e	mb	5.0
IBBN	72.06	P	05:58:38.936	-0.1	23.3	5.90	TAS	26.9	1.07	m_e	mb	5.3
KAST	72.94	P	05:58:44.305	-0.4	23.3	5.90	TAS	17.7	1.18	m_e	mb	5.1
MANZ	73.14	P	05:58:45.402		23.3	5.90	TAS	12.7	1.07	m_e	mb	5.0
MILB	74.00	P	05:58:50.155		23.3	5.90	TAS	22.3	0.97	m_e	mb	5.2
MOX	72.67	P	05:58:42.726	0.1	23.3	5.90	TAS	19.5	1.22	m_e	mb	5.1
NEUB	72.13	P	05:58:39.262	0.3	23.3	5.90	TAS	14.5	0.82	m_e	mb	5.1
NRDL	71.34	P	05:58:34.863	0.1	23.3	5.90	TAS	11.3	0.94	m_e	mb	5.0
PLN	72.67	P	05:58:42.653	0.1	23.3	5.90	TAS	21.1	1.36	m_e	mb	5.1
ROTZ	73.32	P	05:58:46.624		23.3	5.90	TAS	14.3	1.04	m_e	mb	5.0
TANN	72.66	P	05:58:42.713	-0.2	23.3	5.90	TAS	15.1	1.47	m_e	mb	4.9
UBBA	72.91	P	05:58:43.953	-0.1	23.3	5.90	TAS	16.6	1.58	m_e	mb	4.9
WERD	72.67	P	05:58:42.747	-0.1	23.3	5.90	TAS	52.8	1.93	m_e	mb	5.3
WERN	72.80	P	05:58:43.704	0.3	23.3	5.90	TAS	15.6	0.94	m_e	mb	5.1
WET	73.71	P	05:58:49.164		23.3	5.90	TAS	24.8	1.17	m_e	mb	5.1

Event 51014004 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/14	05:50:01.92			51.0710	154.4140				33.0			31		70.58	76.20	m i ke	BGR
51014010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	51014010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.02		P	06:01:38.308	-0.1	23.0		5.81		TAS		49.0	1.77	m_e	mb	5.2
ASSE	72.71		P	06:01:24.932	0.1	23.0		5.81		TAS		51.7	1.99	m_e	mb	5.3
BRG	73.03		P	06:01:26.478	0.1	23.0		5.81		TAS		40.9	1.84	m_e	mb	5.2
BSEG	71.12		P	06:01:15.853	-0.4	23.0		5.81		TAS		20.7	0.92	m_e	mb	5.3
BUG	74.14		P	06:01:32.998	-0.2	23.0		5.81		TAS		41.4	1.56	m_e	mb	5.2
CLL	72.88		P	06:01:25.679	-0.3	23.0		5.81		TAS		31.0	0.78	m_e	mb	5.5
CLZ	73.04		P	06:01:27.235	-0.1	23.0		5.81		TAS		32.2	1.02	m_e	mb	5.4
FBE	73.14		P	06:01:27.325	-0.1	23.0		5.81		TAS		34.5	1.25	m_e	mb	5.3
FLT1	72.38		P	06:01:22.672	-0.2	23.0		5.81		TAS		22.6	0.85	m_e	mb	5.3
GEC2	74.94		P	06:01:37.809		23.0		5.81		TAS		62.2	2.06	m_e	mb	5.3
GRA1	74.82		P	06:01:37.378	0.4	23.0		5.81		TAS		43.6	1.08	m_e	mb	5.4

GTTG	73.41	P	06:01:29.101	0.0	23.0	5.81	TAS	86.7	1.97	m_e	mb	5.5
GUNZ	73.92	P	06:01:31.999	0.2	23.0	5.81	TAS	19.1	1.05	m_e	mb	5.1
IBBN	73.22	P	06:01:27.856	-0.3	23.0	5.81	TAS	26.6	1.19	m_e	mb	5.2
KAST	74.10	P	06:01:32.915	-0.1	23.0	5.81	TAS	92.3	2.13	m_e	mb	5.4
LNIZ	70.58	P	06:01:12.669	0.2	23.0	5.81	TAS	49.1	0.74	m_e	mb	5.7
MANZ	74.32	P	06:01:34.225	0.1	23.0	5.81	TAS	15.2	0.98	m_e	mb	5.0
MILB	75.17	P	06:01:39.068		23.0	5.81	TAS	20.7	0.91	m_e	mb	5.2
MOX	73.84	P	06:01:31.434	0.1	23.0	5.81	TAS	20.1	0.96	m_e	mb	5.1
NEUB	73.30	P	06:01:28.087	0.1	23.0	5.81	TAS	45.0	1.47	m_e	mb	5.4
NRDL	72.50	P	06:01:23.561	0.4	23.0	5.81	TAS	94.7	2.20	m_e	mb	5.5
PLN	73.85	P	06:01:31.618	0.1	23.0	5.81	TAS	65.5	1.88	m_e	mb	5.3
RJOB	76.20	P	06:01:45.176		23.0	5.81	TAS	77.0	1.43	m_e	mb	5.6
ROTZ	74.49	P	06:01:35.444	-0.1	23.0	5.81	TAS	26.1	1.23	m_e	mb	5.1
RUE	71.61	P	06:01:18.742	0.0	23.0	5.81	TAS	37.4	0.84	m_e	mb	5.5
TANN	73.83	P	06:01:31.517	-0.1	23.0	5.81	TAS	43.5	1.80	m_e	mb	5.2
TNS	75.00	P	06:01:38.068	-0.1	23.0	5.81	TAS	32.5	1.49	m_e	mb	5.1
UBBA	74.08	P	06:01:32.647	0.2	23.0	5.81	TAS	24.8	1.34	m_e	mb	5.1
WERD	73.84	P	06:01:31.614	0.0	23.0	5.81	TAS	48.0	1.70	m_e	mb	5.2
WERN	73.97	P	06:01:32.494	0.1	23.0	5.81	TAS	21.0	0.97	m_e	mb	5.1
WET	74.89	P	06:01:37.968	-0.0	23.0	5.81	TAS	53.1	1.58	m_e	mb	5.3

Event 51014005 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/14	06:36:50.22			52.5680	152.9830				41.3			21		70.66	74.33	m i ke	BGR
OrigID 51014011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51014011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	70.98	P		06:48:01.692	-0.1	23.2		5.94		TAS		21.6	1.74	m_e	mb	5.0
BRG	71.29	P		06:48:03.305	0.2	23.2		5.94		TAS		7.5	1.11	m_e	mb	4.7
CLL	71.14	P		06:48:02.400	0.1	23.2		5.94		TAS		27.2	1.50	m_e	mb	5.2
CLZ	71.32	P		06:48:04.089	0.1	23.2		5.94		TAS		21.8	1.42	m_e	mb	5.1
FBE	71.40	P		06:48:04.359	-0.3	23.2		5.94		TAS		17.7	1.23	m_e	mb	5.1
FLT1	70.66	P		06:47:59.402	0.2	23.2		5.94		TAS		9.6	0.86	m_e	mb	4.9
GEC2	73.20	P		06:48:14.587		23.2		5.94		TAS		3.4	0.81	m_e	mb	4.5
GRA1	73.08	P		06:48:14.332		23.2		5.94		TAS		40.5	1.56	m_e	mb	5.3
GRA1	73.08	pP		06:48:26.106						T__				m_e		
GUNZ	72.18	P		06:48:08.871	0.0	23.2		5.94		TAS		6.8	0.91	m_e	mb	4.8
KAST	72.37	P		06:48:09.931		23.2		5.94		TAS		6.7	0.86	m_e	mb	4.8
MANZ	72.59	P		06:48:10.925		23.2		5.94		TAS		17.9	1.47	m_e	mb	5.0
MILB	73.44	P		06:48:15.920		23.2		5.94		TAS		15.8	0.91	m_e	mb	5.1
MOX	72.11	P		06:48:08.272	0.2	23.2		5.94		TAS		13.0	1.30	m_e	mb	4.9
NEUB	71.56	P		06:48:04.943	-0.2	23.2		5.94		TAS		15.8	1.09	m_e	mb	5.1

NRDL	70.78	P	06:48:00.417	-0.2	23.2	5.94	TAS	11.9	1.19	m_e	mb	4.9
PLN	72.11	P	06:48:08.450	0.3	23.2	5.94	TAS	7.5	1.05	m_e	mb	4.8
ROTZ	72.76	P	06:48:12.286		23.2	5.94	TAS	6.9	0.95	m_e	mb	4.8
UBBA	72.35	P	06:48:09.430		23.2	5.94	TAS	8.7	1.04	m_e	mb	4.8
WERN	72.24	P	06:48:09.326		23.2	5.94	TAS	7.4	0.79	m_e	mb	4.9
WET	73.15	P	06:48:14.815		23.2	5.94	TAS	9.5	0.93	m_e	mb	4.9
WLF	74.33	P	06:48:21.415		23.2	5.94	TAS	75.1	1.99	m_e	mb	5.4

Event 51014006 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/14	07:15:04.09			51.3990	153.5080				33.0			25		70.61	76.27	m i ke	BGR
OrigID 51014012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51014012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	74.51	P		07:26:37.395		23.4		5.85		TAS		12.6	1.09	m_e	mb	4.9
ASSE	72.18	P		07:26:24.118	-0.1	23.4		5.85		TAS		5.6	0.95	m_e	mb	4.7
BFO	76.27	P		07:26:48.208		23.4		5.85		TAS		15.6	1.51	m_e	mb	4.9
BRG	72.49	P		07:26:25.583	-0.1	23.4		5.85		TAS		5.8	0.87	m_e	mb	4.7
BSEG	70.61	P		07:26:14.978	0.1	23.4		5.85		TAS		9.9	0.83	m_e	mb	5.0
CLL	72.34	P		07:26:24.678	0.0	23.4		5.85		TAS		21.3	1.06	m_e	mb	5.2
CLZ	72.52	P		07:26:26.368	-0.1	23.4		5.85		TAS		18.3	0.95	m_e	mb	5.2
FBE	72.60	P		07:26:26.646	0.1	23.4		5.85		TAS		12.9	0.90	m_e	mb	5.1
FLT1	71.86	P		07:26:21.860	0.4	23.4		5.85		TAS		19.4	1.08	m_e	mb	5.2
GEC2	74.39	P		07:26:36.776		23.4		5.85		TAS		3.9	0.78	m_e	mb	4.5
GRA1	74.28	P		07:26:36.469		23.4		5.85		TAS		18.0	0.83	m_e	mb	5.1
GUNZ	73.38	P		07:26:31.192	-0.2	23.4		5.85		TAS		13.8	1.16	m_e	mb	5.0
IBBN	72.71	P		07:26:26.906	0.2	23.4		5.85		TAS		14.3	0.82	m_e	mb	5.1
KAST	73.58	P		07:26:32.199	0.0	23.4		5.85		TAS		8.3	0.93	m_e	mb	4.8
MANZ	73.78	P		07:26:33.218		23.4		5.85		TAS		8.8	1.11	m_e	mb	4.7
MILB	74.65	P		07:26:38.141		23.4		5.85		TAS		17.2	0.92	m_e	mb	5.1
MOX	73.31	P		07:26:30.637	0.1	23.4		5.85		TAS		9.1	0.91	m_e	mb	4.9
NRDL	71.98	P		07:26:22.893	0.1	23.4		5.85		TAS		12.3	0.96	m_e	mb	5.0
PLN	73.31	P		07:26:30.543	-0.2	23.4		5.85		TAS		8.3	1.09	m_e	mb	4.8
RJOB	75.65	P		07:26:44.349		23.4		5.85		TAS		23.3	0.98	m_e	mb	5.3
ROTZ	73.96	P		07:26:34.612		23.4		5.85		TAS		13.0	1.08	m_e	mb	4.9
TNS	74.48	P		07:26:37.255		23.4		5.85		TAS		11.1	0.95	m_e	mb	4.9
WERD	73.31	P		07:26:30.501	0.3	23.4		5.85		TAS		13.0	1.24	m_e	mb	4.9
WERN	73.44	P		07:26:31.621	-0.1	23.4		5.85		TAS		10.2	0.85	m_e	mb	5.0
WET	74.35	P		07:26:36.988		23.4		5.85		TAS		13.3	1.04	m_e	mb	4.9

Event 51014008 Sicily, Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/14	10:20:50.30			38.7700	14.8100				309.0				27	9.08	13.79	m i ke	INGV
51014098																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	12.98		P	10:23:46.044	-2.0	163.3		12.37		TAS					m_e
BFO	10.65		P	10:23:17.248	0.2	163.3		12.37		TAS					m_e
BRG	12.12		P	10:23:35.959	-0.2	163.3		12.37		TAS					m_e
BUG	13.73		P	10:23:55.840		163.3		12.37		TAS					m_e
CLL	12.60		P	10:23:42.628	-0.1	163.3		12.37		TAS					m_e
FBE	12.19		P	10:23:37.341	-0.2	163.3		12.37		TAS					m_e
FLT1	13.79		P	10:23:55.891		163.3		12.37		TAS					m_e
FUR	9.73		P	10:23:06.962	-0.6	163.3		12.37		TAS					m_e
GEC2	10.10		P	10:23:11.270	1.0	163.3		12.37		TAS					m_e
GRA1	11.22		P	10:23:24.529	-1.1	163.3		12.37		TAS					m_e
GTTG	13.22		P	10:23:50.627	-0.3	163.3		12.37		TAS					m_e
GUNZ	11.72		P	10:23:31.125	0.7	163.3		12.37		TAS					m_e
KAST	13.22		P	10:23:48.467	-1.2	163.3		12.37		TAS					m_e
MANZ	11.38		P	10:23:26.278	-0.3	163.3		12.37		TAS					m_e
MILB	11.74		P	10:23:32.041	-0.3	163.3		12.37		TAS					m_e
MOX	12.09		P	10:23:36.054	1.5	163.3		12.37		TAS					m_e
NEUB	12.61		P	10:23:42.432	-0.1	163.3		12.37		TAS					m_e
PLN	11.87		P	10:23:33.366	1.9	163.3		12.37		TAS					m_e
RJOB	9.08		P	10:22:58.651	-0.4	163.3		12.37		TAS					m_e
ROTZ	11.15		P	10:23:23.455	-1.3	163.3		12.37		TAS					m_e
TANN	11.76		P	10:23:32.417	-0.1	163.3		12.37		TAS					m_e
TNS	12.31		P	10:23:38.661	3.3	163.3		12.37		TAS					m_e
UBR	9.54		P	10:23:04.661	-0.1	163.3		12.37		TAS					m_e
WERD	11.81		P	10:23:32.092	0.2	163.3		12.37		TAS					m_e
WERN	11.64		P	10:23:30.051	-0.2	163.3		12.37		TAS					m_e
WET	10.46		P	10:23:15.023	-0.6	163.3		12.37		TAS					m_e
WLF	12.53		P	10:23:41.818	1.4	163.3		12.37		TAS					m_e

Event 51015005 Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/15	10:07:45.07			-0.7500	-76.0000				89.5	1.2		34		85.48	90.54	m i ke	BGR
51015011																	

Magnitude Err Nsta Author OrigID

mb 5.3 BGR 51015011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.16		P	10:20:16.206	0.1	267.3		4.77		TAS		35.3	0.97	m_e	mb	5.5
AHRW	86.16		pP	10:20:40.230	0.2	267.2		4.74		TAS				m_e		
ASSE	88.54		P	10:20:27.729	0.2	267.3		4.77		TAS		20.0	1.40	m_e	mb	5.2
ASSE	88.54		pP	10:20:51.290	-0.1	267.2		4.74		TAS				m_e		
BFO	86.78		pP	10:20:42.295	-0.6	267.2		4.74		TAS				m_e		
BRG	90.54		P	10:20:36.948		267.3		4.77		TAS		18.8	1.11	m_e	mb	5.3
BRG	90.54		pP	10:21:00.764		267.2		4.74		TAS				m_e		
BSEG	88.42		pP	10:20:50.732	-0.0	267.2		4.74		TAS				m_e		
BUG	86.38		P	10:20:17.016	-0.1	267.3		4.77		TAS		38.6	1.11	m_e	mb	5.4
BUG	86.38		pP	10:20:41.056	0.0	267.2		4.74		TAS				m_e		
CLL	89.95		P	10:20:33.930		267.3		4.77		TAS		16.1	1.28	m_e	mb	5.1
CLL	89.95		pP	10:20:57.807	-0.3	267.2		4.74		TAS				m_e		
CLZ	88.34		P	10:20:26.668	-0.2	267.3		4.77		TAS		21.9	1.10	m_e	mb	5.4
CLZ	88.34		pP	10:20:50.482	-0.1	267.2		4.74		TAS				m_e		
FLT1	88.89		P	10:20:28.734	0.3	267.3		4.77		TAS		9.1	1.09	m_e	mb	4.9
FLT1	88.89		pP	10:20:52.390	-0.2	267.2		4.74		TAS				m_e		
FUR	88.73		pP	10:20:52.092	0.1	267.2		4.74		TAS				m_e		
GRA1	88.76		P	10:20:28.496	0.5	267.3		4.77		TAS				m_e		
GRA1	88.76		pP	10:20:52.438	-0.6	267.2		4.74		TAS				m_e		
GTTG	88.06		P	10:20:25.460	-0.0	267.3		4.77		TAS		13.5	0.68	m_e	mb	5.4
GTTG	88.06		pP	10:20:49.163	0.1	267.2		4.74		TAS				m_e		
GUNZ	89.50		P	10:20:32.294		267.3		4.77		TAS		23.6	1.70	m_e	mb	5.1
GUNZ	89.50		pP	10:20:56.095	0.3	267.2		4.74		TAS				m_e		
HLG	87.01		pP	10:20:44.293	0.2	267.2		4.74		TAS				m_e		
IBBN	86.76		P	10:20:19.095	0.1	267.3		4.77		TAS		47.6	1.08	m_e	mb	5.5
IBBN	86.76		pP	10:20:42.842	-0.0	267.2		4.74		TAS				m_e		
KAST	87.07		P	10:20:20.143	-0.2	267.3		4.77		TAS		24.1	1.39	m_e	mb	5.1
KAST	87.07		pP	10:20:44.076	-0.2	267.2		4.74		TAS				m_e		
MANZ	89.35		pP	10:20:55.292	0.0	267.2		4.74		TAS				m_e		
MILB	87.52		P	10:20:22.419	0.2	267.3		4.77		TAS		21.2	0.87	m_e	mb	5.5
MILB	87.52		pP	10:20:46.307	-0.1	267.2		4.74		TAS				m_e		
MOX	89.06		P	10:20:29.725	-0.2	267.3		4.77		TAS		25.6	1.79	m_e	mb	5.2
MOX	89.06		pP	10:20:53.585	0.0	267.2		4.74		TAS				m_e		
NEUB	89.18		pP	10:20:54.353	0.2	267.2		4.74		TAS				m_e		
NRDL	88.21		P	10:20:26.019	-0.5	267.3		4.77		TAS		20.7	1.56	m_e	mb	5.2
NRDL	88.21		pP	10:20:49.885	0.1	267.2		4.74		TAS				m_e		
PLN	89.40		P	10:20:31.432	-0.1	267.3		4.77		TAS		16.4	1.18	m_e	mb	5.1
PLN	89.40		pP	10:20:55.375	0.3	267.2		4.74		TAS				m_e		
RJOB	89.74		P	10:20:32.922		267.3		4.77		TAS		43.3	0.85	m_e	mb	5.7
RJOB	89.74		pP	10:20:56.768	-0.0	267.2		4.74		TAS				m_e		
ROTZ	89.40		P	10:20:31.770		267.3		4.77		TAS		10.8	1.00	m_e	mb	5.0
ROTZ	89.40		pP	10:20:55.657	0.1	267.2		4.74		TAS				m_e		
RUE	90.45		pP	10:21:00.111		267.2		4.74		TAS				m_e		
STU	87.38		P	10:20:21.692	0.2	267.3		4.77		TAS		37.4	0.79	m_e	mb	5.6
STU	87.38		pP	10:20:45.554	-0.2	267.2		4.74		TAS				m_e		
TANN	89.59		P	10:20:32.757		267.3		4.77		TAS		19.4	1.17	m_e	mb	5.2
TANN	89.59		pP	10:20:56.607	-0.2	267.2		4.74		TAS				m_e		

TNS	87.01	P	10:20:20.248	-0.2	267.3	4.77	TAS	33.7	1.29	m_e	mb	5.3
TNS	87.01	pP	10:20:44.013	-0.0	267.2	4.74	TAS			m_e		
UBBA	88.04	pP	10:20:48.791	0.1	267.2	4.74	TAS			m_e		
UBR	87.92	P	10:20:24.687	0.1	267.3	4.77	TAS	30.7	1.08	m_e	mb	5.6
UBR	87.92	pP	10:20:48.553	-0.1	267.2	4.74	TAS			m_e		
WERD	89.49	pP	10:20:55.865	0.2	267.2	4.74	TAS			m_e		
WERN	89.53	P	10:20:32.703		267.3	4.77	TAS	15.8	1.20	m_e	mb	5.1
WERN	89.53	pP	10:20:56.322	0.3	267.2	4.74	TAS			m_e		
WET	89.83	P	10:20:33.604		267.3	4.77	TAS	16.3	1.35	m_e	mb	5.1
WET	89.83	pP	10:20:57.362	-0.2	267.2	4.74	TAS			m_e		
WLF	85.48	P	10:20:13.010	0.1	267.3	4.77	TAS	59.9	1.06	m_e	mb	5.8
WLF	85.48	pP	10:20:37.033	0.3	267.2	4.74	TAS			m_e		

Event 51016001 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/16	00:16:24.80	6.18	0.60	39.3300	15.6500	93.4	25.6	159	244.0			25	335	7.22	12.03	m i ke	EMSC
	51016033																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	7.92		P	00:18:15.615	2.3	157.3		11.93		TAS					m_e
BALST	9.87		P	00:18:40.003	0.0	157.3		11.93		TAS					m_e
BE1	9.16		P	00:18:32.387	-0.8	157.3		11.93		TAS					m_e
BFO	10.43		P	00:18:47.256	-0.5	157.3		11.93		TAS	31.1	0.83			m_e
DAVA	8.99		P	00:18:30.743	0.2	157.3		11.93		TAS					m_e
FUR	9.38		P	00:18:34.833	0.4	157.3		11.93		TAS					m_e
GEC2	9.61		P	00:18:37.241	1.5	157.3		11.93		TAS	13.3	0.68			m_e
GRA1	10.83		P	00:18:51.898		157.3		11.93		TAS	44.3	0.86			m_e
KBA	7.93		P	00:18:16.440	-1.1	157.3		11.93		TAS					m_e
MOA	8.58		P	00:18:24.849	1.4	157.3		11.93		TAS					m_e
NORI	10.06		P	00:18:42.358	-0.6	157.3		11.93		TAS	78.0	1.17			m_e
OBER	8.96		P	00:18:30.251	-0.3	157.3		11.93		TAS					m_e
OBKA	7.22		P	00:18:06.961	-0.7	157.3		11.93		TAS					m_e
PART	8.80		P	00:18:28.808	-0.1	157.3		11.93		TAS					m_e
PLONS	8.97		P	00:18:30.236	0.6	157.3		11.93		TAS					m_e
RJOB	8.66		P	00:18:25.500	-1.0	157.3		11.93		TAS					m_e
ROTZ	10.72		P	00:18:50.139	1.6	157.3		11.93		TAS	7.9	0.84			m_e
SLE	9.90		P	00:18:40.552	-1.5	157.3		11.93		TAS					m_e
STU	10.51		P	00:18:48.431	-0.8	157.3		11.93		TAS	107.1	0.99			m_e
TNS	12.03		P	00:19:08.733		157.3		11.93		TAS	40.4	0.77			m_e
UBR	9.26		P	00:18:33.382	-0.9	157.3		11.93		TAS					m_e
WET	10.01		P	00:18:41.884	0.2	157.3		11.93		TAS	25.2	0.79			m_e
WILA	9.45		P	00:18:35.555	1.1	157.3		11.93		TAS					m_e
WTTA	8.45		P	00:18:24.144	-0.6	157.3		11.93		TAS					m_e

ZUGS 8.77 P 00:18:28.678 0.2 157.3 11.93 TAS m_e

Event 51016003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/16	04:48:46.43			50.6970	155.1720				33.0			24		72.91	77.32	m i ke	BGR
OrigID 51016009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51016009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.24		P	05:00:12.592	-0.1	22.7		5.77		TAS		11.3	1.12	m_e mb	4.9
BFO	77.32		P	05:00:35.523		22.7		5.77		TAS		10.9	1.04	m_e mb	4.9
BRG	73.57		P	05:00:14.271	-0.1	22.7		5.77		TAS				m_e	
CLL	73.42		P	05:00:13.337	-0.0	22.7		5.77		TAS		22.9	0.94	m_e mb	5.3
CLZ	73.57		P	05:00:14.681	-0.0	22.7		5.77		TAS		27.5	0.99	m_e mb	5.2
FBE	73.68		P	05:00:14.849	-0.1	22.7		5.77		TAS		16.9	0.93	m_e mb	5.1
FLT1	72.91		P	05:00:10.184	-0.2	22.7		5.77		TAS		15.2	0.89	m_e mb	5.1
GEC2	75.48		P	05:00:25.431		22.7		5.77		TAS		6.9	0.80	m_e mb	4.7
GRA1	75.35		P	05:00:24.979		22.7		5.77		TAS		34.8	0.98	m_e mb	5.3
GUNZ	74.45		P	05:00:19.622	0.1	22.7		5.77		TAS		11.0	0.94	m_e mb	4.9
IBBN	73.74		P	05:00:15.727	0.1	22.7		5.77		TAS		17.5	0.85	m_e mb	5.1
MANZ	74.86		P	05:00:22.037		22.7		5.77		TAS		10.0	0.97	m_e mb	4.8
MILB	75.70		P	05:00:26.825		22.7		5.77		TAS		33.6	0.90	m_e mb	5.5
MOX	74.37		P	05:00:19.052	0.5	22.7		5.77		TAS		11.0	0.76	m_e mb	5.0
NEUB	73.83		P	05:00:15.844	0.0	22.7		5.77		TAS		10.5	0.78	m_e mb	4.9
NRDL	73.03		P	05:00:11.416	0.4	22.7		5.77		TAS		10.6	0.84	m_e mb	5.0
PLN	74.38		P	05:00:19.106	0.3	22.7		5.77		TAS		11.9	0.94	m_e mb	4.9
RJOB	76.74		P	05:00:33.163		22.7		5.77		TAS		40.2	0.94	m_e mb	5.5
STU	76.71		P	05:00:32.030		22.7		5.77		TAS		19.5	0.55	m_e mb	5.5
TANN	74.37		P	05:00:19.082	0.2	22.7		5.77		TAS		4.6	0.92	m_e mb	4.5
TNS	75.53		P	05:00:26.056		22.7		5.77		TAS		16.9	0.81	m_e mb	5.2
UBBA	74.61		P	05:00:20.467	0.4	22.7		5.77		TAS				m_e	
WERD	74.38		P	05:00:19.113	-0.0	22.7		5.77		TAS		6.9	0.82	m_e mb	4.7
WET	75.43		P	05:00:25.707		22.7		5.77		TAS		23.7	1.08	m_e mb	5.1

Event 51016004 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/16	06:38:25.69			55.6400	159.6500				288.6	2.9		39		66.76	73.92	m i ke	BGR
OrigID 51016010																	

Magnitude Err Nsta Author OrigID
 mb 6.3 BGR 51016010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.75		P	06:49:16.860	0.1	18.4		6.02		TAS		168.3	1.22	a_e	mb 6.0
ASSE	69.57		P	06:49:03.710	0.0	18.4		6.02		TAS		218.1	1.35	a_e	mb 6.2
BFO	73.65		P	06:49:27.710	-0.5	18.4		6.02		TAS		182.0	1.30	a_e	mb 6.0
BRG	70.09		P	06:49:06.560	-0.2	18.4		6.02		TAS		192.2	1.30	a_e	mb 6.2
BSEG	67.92		P	06:48:53.710	-0.0	18.4		6.02		TAS		174.5	1.17	a_e	mb 6.2
BUG	70.85		P	06:49:11.110	-0.2	18.4		6.02		TAS		220.2	1.06	a_e	mb 6.2
CLL	69.88		P	06:49:05.110	-0.4	18.4		6.02		TAS		399.3	1.15	a_e	mb 6.5
CLZ	69.90		P	06:49:06.060	0.4	18.4		6.02		TAS		429.5	1.14	a_e	mb 6.6
FBE	70.17		P	06:49:07.360	0.1	18.4		6.02		TAS		353.9	1.26	a_e	mb 6.4
FLT1	69.27		P	06:49:01.310	-0.6	18.4		6.02		TAS		192.3	1.23	a_e	mb 6.2
FUR	73.22		P	06:49:25.510	-0.1	18.4		6.02		TAS		167.5	1.16	a_e	mb 6.1
GEC2	72.06		P	06:49:18.610	0.1	18.4		6.02		TAS		154.5	1.31	a_e	mb 6.0
GEC2	72.06		pP	06:50:24.742						T__				m_e	
GRA1	71.78		P	06:49:17.360	0.4	18.4		6.02		TAS		418.7	1.23	a_e	mb 6.4
GTTG	70.26		P	06:49:07.960	0.1	18.4		6.02		TAS		192.8	1.21	a_e	mb 6.2
GUNZ	70.92		P	06:49:12.010	0.2	18.4		6.02		TAS		304.1	1.45	a_e	mb 6.2
GUNZ	70.92		pP	06:50:17.824						T__				m_e	
HLG	68.11		P	06:48:54.810	0.0	18.4		6.02		TAS		591.6	1.28	a_e	mb 6.7
IBBN	69.93		P	06:49:05.860	0.1	18.4		6.02		TAS		293.7	1.11	a_e	mb 6.4
IBBN	69.93		pP	06:50:10.824						T__				m_e	
KAST	70.88		P	06:49:11.660	0.1	18.4		6.02		TAS		203.6	1.15	a_e	mb 6.1
LNIZ	67.57		P	06:48:51.360	-0.3	18.4		6.02		TAS		235.6	1.13	a_e	mb 6.3
MANZ	71.32		P	06:49:14.260	0.1	18.4		6.02		TAS		177.7	1.31	m_e	mb 6.0
MANZ	71.32		pP	06:50:19.607						T__				m_e	
MILB	72.03		P	06:49:18.360	-0.1	18.4		6.02		TAS		243.3	0.97	a_e	mb 6.3
MOX	70.80		P	06:49:11.060	0.0	18.4		6.02		TAS		227.6	1.20	a_e	mb 6.2
NEUB	70.24		P	06:49:07.460	-0.3	18.4		6.02		TAS		348.4	1.44	a_e	mb 6.4
NRDL	69.33		P	06:49:02.110	-0.1	18.4		6.02		TAS		156.7	1.11	a_e	mb 6.2
PLN	70.83		P	06:49:11.410	0.1	18.4		6.02		TAS		238.4	1.29	a_e	mb 6.2
RGN	66.76		P	06:48:46.610	-0.2	18.4		6.02		TAS		557.3	1.08	a_e	mb 6.7
RJOB	73.30		P	06:49:26.210	0.1	18.4		6.02		TAS		392.1	1.08	a_e	mb 6.5
ROTZ	71.51		P	06:49:15.610	0.3	18.4		6.02		TAS		240.8	1.33	a_e	mb 6.2
RUE	68.62		P	06:48:57.810	-0.1	18.4		6.02		TAS		464.7	1.18	a_e	mb 6.6
SKMB	67.33		P	06:48:50.560	0.4	18.4		6.02		TAS		650.0	1.44	a_e	mb 6.7
STU	73.06		P	06:49:24.310	-0.4	18.4		6.02		TAS		467.8	1.24	a_e	mb 6.5
TANN	70.84		P	06:49:11.510	0.2	18.4		6.02		TAS		250.1	1.49	a_e	mb 6.1
TNS	71.81		P	06:49:17.160	0.0	18.4		6.02		TAS		171.6	1.17	a_e	mb 6.1
UBBA	70.95		P	06:49:11.960	-0.0	18.4		6.02		TAS		387.7	1.67	a_e	mb 6.3
UBR	73.92		P	06:49:29.610	-0.3	18.4		6.02		TAS		235.1	1.23	a_e	mb 6.2
WERD	70.84		P	06:49:11.460	0.1	18.4		6.02		TAS		277.7	1.21	a_e	mb 6.3
WERD	70.84		pP	06:50:17.059						T__				m_e	
WERN	70.98		P	06:49:12.410	0.3	18.4		6.02		TAS		215.8	1.17	a_e	mb 6.2
WET	71.95		P	06:49:18.360	0.4	18.4		6.02		TAS		258.0	1.32	a_e	mb 6.2
WET	71.95		pP	06:50:23.759						T__				m_e	
WLF	72.76		P	06:49:22.960	0.2	18.4		6.02		TAS		207.3	1.54	a_e	mb 6.0

Event 51017002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	01:51:21.80			-20.4700	-177.8700				560.0			20		148.06	149.19	m i ke	GFZ
OrigID																	
51017054																	

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
ABG1	148.47		PKP	02:10:06.014	-0.1	17.2		2.63		TAS					m_e
BBWF	149.08		PKP	02:10:07.159	0.2	17.2		2.63		TAS					m_e
BRG	148.26		PKP	02:10:05.184	-0.2	17.2		2.63		TAS					m_e
CLL	148.06		PKP	02:10:04.611	0.2	17.2		2.63		TAS					m_e
CRUX	149.16		PKP	02:10:07.188	-0.0	17.2		2.63		TAS					m_e
FBE	148.35		PKP	02:10:05.756	0.1	17.2		2.63		TAS					m_e
GUNZ	149.09		PKP	02:10:07.417		17.2		2.63		TAS					m_e
HKWD	148.66		PKP	02:10:06.100	0.0	17.2		2.63		TAS					m_e
HWTS	149.05		PKP	02:10:07.188	-0.1	17.2		2.63		TAS					m_e
MLFH	148.74		PKP	02:10:06.386	0.1	17.2		2.63		TAS					m_e
MODW	148.52		PKP	02:10:06.071	-0.0	17.2		2.63		TAS					m_e
MOX	148.97		PKP	02:10:07.016	-0.0	17.2		2.63		TAS					m_e
NEUB	148.41		PKP	02:10:05.584	-0.3	17.2		2.63		TAS					m_e
NKC	149.19		PKP	02:10:07.732		17.2		2.63		TAS					m_e
PLN	149.01		PKP	02:10:07.274	0.0	17.2		2.63		TAS					m_e
SCHF	148.78		PKP	02:10:06.730	0.1	17.2		2.63		TAS					m_e
TANN	149.02		PKP	02:10:07.302		17.2		2.63		TAS					m_e
TRIB	149.15		PKP	02:10:07.503		17.2		2.63		TAS					m_e
WERD	149.02		PKP	02:10:07.417		17.2		2.63		TAS					m_e
WERN	149.16		PKP	02:10:07.503		17.2		2.63		TAS					m_e

Event 51017001 Unimak Island, Alaska, United States, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	01:51:53.54			54.3140	-164.5780				33.0					76.31	76.31	m i ke	BGR
OrigID																	
51017007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51017007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.31		P	02:03:37.451		356.6		5.08		TAS		8.7	1.02	m_e mb	4.8

Event 51017004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	05:17:58.25			43.2590	146.7960				33.0					79.61	79.61	m i ke	BGR
OrigID 51017010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	51017010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.61		P	05:30:00.768		32.2		4.81		TAS		6.9	1.00	m_e mb	4.5

Event 51017005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	05:24:46.20			31.6400	-40.7800				33.0					42.44	42.44	m i ke	EMSC
OrigID 51017037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	51017011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	42.44		P	05:32:37.556		264.9		8.47		TAS		6.8	1.00	m_e mb	4.3

Event 51017006 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	05:30:59.00			32.9000	-41.6900				10.0					42.22	42.22	m i ke	GFZ
OrigID 51017058																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	51017012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	42.22		P	05:38:52.214		267.0		7.73		TAS		9.6	1.29	m_e mb	4.4

Event 51017008 Salta Province, Argentina

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	11:33:08.10			-25.4200	-64.6300				10.0					100.43	100.43	m i ke	EMSC
OrigID 51017040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	51017014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	100.43		Pdiff	11:46:56.961		243.1		4.92		TAS				m_e	
GRA1	100.43		pPdiff	11:47:01.935						T__				m_e	
GRA1	100.43		PP	11:50:59.796		239.1		8.04		TAS				m_e	
GRA1	100.43		L	12:32:22.773						T__		3660.6	19.00	a_e Ms	5.9

Event 51017013 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	20:44:55.00			-5.1500	152.8500				60.0				19	122.45	126.97	m i ke	EMSC
OrigID 51017045																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	122.64		PKPdf	21:03:44.975	-0.0	49.1		1.94		TAS				m_e	
CLL	123.18		PKPdf	21:03:46.115	0.1	49.1		1.94		TAS				m_e	
CLZ	124.06		PKPdf	21:03:48.131	0.1	49.1		1.94		TAS				m_e	
FBE	123.26		PKPdf	21:03:46.290	0.3	49.1		1.94		TAS				m_e	
FLT1	123.33		PKPdf	21:03:46.115	0.2	49.1		1.94		TAS				m_e	
FUR	126.06		PKPdf	21:03:51.902		49.1		1.94		TAS				m_e	
GEC2	124.38		PKPdf	21:03:48.570		49.1		1.94		TAS				m_e	
GRA1	125.09		PKPdf	21:03:49.561		49.1		1.94		TAS				m_e	
GUNZ	124.11		PKPdf	21:03:47.868	0.0	49.1		1.94		TAS				m_e	
GUNZ	124.11		pPKPdf	21:04:02.375						T__				m_e	
KAST	125.38		PKPdf	21:03:50.411		49.1		1.94		TAS				m_e	
KAST	125.38		pPKPdf	21:04:04.758						T__				m_e	
MANZ	124.47		PKPdf	21:03:49.008		49.1		1.94		TAS				m_e	
MILB	125.93		pPKPdf	21:04:05.746						T__				m_e	
NEUB	123.84		PKPdf	21:03:47.254	0.1	49.1		1.94		TAS				m_e	
PLN	124.12		PKPdf	21:03:48.131	-0.2	49.1		1.94		TAS				m_e	
RJOB	125.54		PKPdf	21:03:50.587		49.1		1.94		TAS				m_e	
ROTZ	124.56		pPKPdf	21:04:03.061						T__				m_e	
SKMB	122.45		PKPdf	21:03:45.413	-0.4	49.1		1.94		TAS				m_e	
TANN	124.02		pPKPdf	21:04:02.102						T__				m_e	
UBR	126.97		PKPdf	21:03:53.568		49.1		1.94		TAS				m_e	
UBR	126.97		pPKPdf	21:04:07.568						T__				m_e	
WERD	124.07		PKPdf	21:03:47.956	-0.3	49.1		1.94		TAS				m_e	

WERN	124.14	PKPdf	21:03:48.307	49.1	1.94	TAS	m_e
WET	124.62	PKPdf	21:03:49.008	49.1	1.94	TAS	m_e

Event 51017014 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	21:02:26.19			-21.1200	170.6600				46.6	1.4		33		145.01	149.37	m i ke	BGR
	51017020																

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.91		PKPbc	21:22:05.992		35.4		3.19		TAS				a_e	
ASSE	145.37		PKPbc	21:21:57.492	0.3	35.4		3.19		TAS				a_e	
BFO	149.37		PKPbc	21:22:09.592		35.4		3.19		TAS				a_e	
BRG	145.14		PKPbc	21:21:56.592	0.2	35.4		3.19		TAS				a_e	
BUG	147.07		PKPbc	21:22:02.992	-0.2	35.4		3.19		TAS				a_e	
CLL	145.18		PKPbc	21:21:56.442	0.1	35.4		3.19		TAS				a_e	
CLZ	145.71		PKPbc	21:21:58.892	0.4	35.4		3.19		TAS				a_e	
FBE	145.34		PKPbc	21:21:57.542	0.1	35.4		3.19		TAS				a_e	
FLT1	145.01		PKPbc	21:21:55.692	-0.1	35.4		3.19		TAS				a_e	
FUR	148.34		PKPbc	21:22:07.192		35.4		3.19		TAS				a_e	
GEC2	146.77		PKPbc	21:22:02.192	0.3	35.4		3.19		TAS				a_e	
GEC2	146.77		pPKPbc	21:22:16.365	-20.2					T__				m_e	
GRA1	147.15		PKPbc	21:22:03.942	-0.1	35.4		3.19		TAS				a_e	
GTTG	146.10		PKPbc	21:22:00.242	0.4	35.4		3.19		TAS				a_e	
GUNZ	146.18		PKPbc	21:22:00.542	-0.3	35.4		3.19		TAS				a_e	
GUNZ	146.18		pPKPbc	21:22:14.496	-20.2					T__				m_e	
IBBN	146.17		PKPbc	21:22:00.192	0.2	35.4		3.19		TAS				m_e	
KAST	146.91		PKPbc	21:22:02.842	0.1	35.4		3.19		TAS				a_e	
MANZ	146.57		PKPbc	21:22:01.792	0.6	35.4		3.19		TAS				a_e	
MANZ	146.57		pPKPbc	21:22:15.794	-20.2					T__				m_e	
MILB	147.77		PKPbc	21:22:05.542	-0.8	35.4		3.19		TAS				a_e	
MOX	146.24		PKPbc	21:22:00.492	0.1	35.4		3.19		TAS				a_e	
MOX	146.24		pPKPbc	21:22:14.487	-20.2					T__				m_e	
NEUB	145.74		PKPbc	21:21:58.742	0.3	35.4		3.19		TAS				a_e	
NRDL	145.26		PKPbc	21:21:57.093	0.1	35.4		3.19		TAS				m_e	
PLN	146.15		PKPbc	21:22:00.292	0.3	35.4		3.19		TAS				a_e	
RJOB	148.00		PKPbc	21:22:06.742	-0.8	35.4		3.19		TAS				a_e	
ROTZ	146.70		PKPbc	21:22:02.392	-0.2	35.4		3.19		TAS				a_e	
STU	148.68		PKPbc	21:22:08.042		35.4		3.19		TAS				a_e	
TANN	146.09		PKPbc	21:22:00.092	0.1	35.4		3.19		TAS				a_e	
TANN	146.09		pPKPbc	21:22:14.087	-20.2					T__				m_e	
TNS	147.74		PKPbc	21:22:05.492	0.2	35.4		3.19		TAS				a_e	
UBBA	146.69		PKPbc	21:22:02.292	0.3	35.4		3.19		TAS				a_e	
UBBA	146.69		pPKPbc	21:22:15.859	-20.2					T__				m_e	

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UBR	149.20	PKPbc	21:22:09.192	35.4	3.19	TAS	a_e	
UBR	149.20	pPKPbc	21:22:23.301	-20.2		T__	m_e	
WERD	146.12	PKPbc	21:22:00.192	-0.2	35.4	3.19	TAS	a_e
WERD	146.12	pPKPbc	21:22:14.185	-20.2			T__	m_e
WERN	146.22	PKPbc	21:22:00.792	0.5	35.4	3.19	TAS	a_e
WET	146.90	PKPbc	21:22:02.892	0.3	35.4	3.19	TAS	a_e
WLF	148.97	PKPbc	21:22:09.442	35.4	3.19	TAS	a_e	

Event 51017015 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	22:47:09.40			-18.2900	168.7900				100.0			7		143.86	146.08	m i ke	NEIC
51017054																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.08		PKP	23:06:36.396		37.9		3.24		TAS					m_e
FUR	145.03		PKP	23:06:33.544		37.9		3.24		TAS					m_e
GRA1	143.86		PKP	23:06:29.234		37.9		3.24		TAS					m_e
MILB	144.49		PKP	23:06:31.613		37.9		3.24		TAS					m_e
STU	145.39		PKP	23:06:34.648		37.9		3.24		TAS					m_e
UBR	145.90		PKP	23:06:35.890		37.9		3.24		TAS					m_e
WLF	145.72		PKP	23:06:36.258		37.9		3.24		TAS					m_e

Event 51017016 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/17	23:08:59.80			-16.9100	-177.4400				34.0					146.56	146.56	m i ke	NEIC
51017055																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.56		PKP	23:28:36.674		15.2		1.68		TAS					m_e

Event 51018001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	00:32:51.81			52.1930	-169.7360				33.0					78.49	78.49	m i ke	BGR

51018007

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 51018007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 78.49 P 00:44:47.953 1.6 4.94 TAS 8.8 1.28 m_e mb 4.7

Event 51018002 Hokkaido, Japan, region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2015/10/18 00:47:39.83 42.0730 142.4350 33.0 79.10 79.10 m i ke BGR
 51018008

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 51018008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 79.10 P 00:59:39.651 35.0 4.67 TAS 6.7 0.77 m_e mb 4.7

Event 51018003 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2015/10/18 07:42:42.31 -18.2760 -176.1480 33.0 18 144.06 150.23 m i ke BGR
 51018009

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 BFO 149.80 PKPbc 08:02:28.940 13.3 2.78 TAS m_e
 BRG 146.50 PKPbc 08:02:19.652 -0.1 13.3 2.78 TAS m_e
 BSEG 144.06 PKPbc 08:02:12.594 -0.1 13.3 2.78 TAS m_e
 CLL 146.25 PKPbc 08:02:18.909 -0.0 13.3 2.78 TAS m_e
 CLZ 146.11 PKPbc 08:02:19.142 0.1 13.3 2.78 TAS m_e
 FBE 146.56 PKPbc 08:02:20.163 -0.1 13.3 2.78 TAS m_e
 FUR 149.58 PKPbc 08:02:28.197 13.3 2.78 TAS m_e
 GRA1 148.10 PKPbc 08:02:24.061 13.3 2.78 TAS m_e
 GTTG 146.45 PKPbc 08:02:19.792 0.5 13.3 2.78 TAS m_e
 GUNZ 147.28 PKPbc 08:02:21.835 13.3 2.78 TAS m_e
 MOX 147.12 PKPbc 08:02:21.185 13.3 2.78 TAS m_e
 NEUB 146.56 PKPbc 08:02:20.117 0.4 13.3 2.78 TAS m_e
 NRDL 145.50 PKPbc 08:02:16.355 0.3 13.3 2.78 TAS m_e
 TANN 147.20 PKPbc 08:02:21.789 13.3 2.78 TAS m_e

UBR	150.23	PKPbc	08:02:29.498	13.3	2.78	TAS	m_e
WERD	147.20	PKPbc	08:02:21.556	13.3	2.78	TAS	m_e
WERN	147.34	PKPbc	08:02:22.532	13.3	2.78	TAS	m_e
WLF	148.63	PKPbc	08:02:26.386	13.3	2.78	TAS	m_e

Event 51018004 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2015/10/18	10:35:04.26			47.2500	149.7400				33.0			35		72.75	79.06	m i ke	BGR
51018010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	51018010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.41		P	10:46:56.866	-0.1	27.7		5.70		TAS		52.2	1.13	a_e mb	5.6
ASSE	74.98		P	10:46:43.066	0.1	27.7		5.70		TAS		16.6	1.09	a_e mb	5.0
BFO	79.06		P	10:47:05.566		27.7		5.70		TAS		25.6	0.93	a_e mb	5.2
BRG	75.11		P	10:46:43.519	0.0	27.7		5.70		TAS		16.6	1.04	m_e mb	5.0
BSEG	73.48		P	10:46:34.616	-0.5	27.7		5.70		TAS		16.4	0.83	a_e mb	5.2
BUG	76.54		P	10:46:51.666	-0.1	27.7		5.70		TAS		38.7	1.06	a_e mb	5.5
CLL	75.02		P	10:46:42.916	0.4	27.7		5.70		TAS		54.1	0.95	a_e mb	5.6
CLZ	75.32		P	10:46:45.416	0.0	27.7		5.70		TAS		42.8	1.04	a_e mb	5.4
FBE	75.25		P	10:46:44.716	-0.0	27.7		5.70		TAS		34.8	0.88	a_e mb	5.4
FLT1	74.64		P	10:46:40.666	-0.4	27.7		5.70		TAS		37.2	0.80	a_e mb	5.5
FUR	78.33		P	10:47:02.016	-0.7	27.7		5.70		TAS		48.0	0.94	a_e mb	5.6
GEC2	76.96		P	10:46:54.216	0.1	27.7		5.70		TAS		16.4	0.83	a_e mb	5.2
GRA1	76.99		P	10:46:54.766	-0.2	27.7		5.70		TAS		52.8	0.88	a_e mb	5.7
GTTG	75.70		P	10:46:47.180	0.0	27.7		5.70		TAS		39.6	1.12	m_e mb	5.4
GUNZ	76.06		P	10:46:49.216	0.1	27.7		5.70		TAS		24.4	0.80	a_e mb	5.4
IBBN	75.63		P	10:46:46.616	-0.0	27.7		5.70		TAS		46.9	0.80	a_e mb	5.7
KAST	76.44		P	10:46:51.466	0.3	27.7		5.70		TAS		31.6	0.98	a_e mb	5.4
LNIZ	72.75		P	10:46:30.169	0.2	27.7		5.70		TAS		31.1	0.92	m_e mb	5.4
MANZ	76.46		P	10:46:51.516	0.4	27.7		5.70		TAS		17.2	0.91	a_e mb	5.2
MILB	77.43		P	10:46:56.816	-0.4	27.7		5.70		TAS		38.9	0.90	a_e mb	5.5
MOX	76.02		P	10:46:48.916	0.2	27.7		5.70		TAS		32.1	1.24	a_e mb	5.3
NEUB	75.49		P	10:46:45.966	-0.1	27.7		5.70		TAS		50.8	1.18	a_e mb	5.4
NRDL	74.82		P	10:46:42.116	-0.3	27.7		5.70		TAS		22.4	0.93	a_e mb	5.2
PLN	76.00		P	10:46:48.866	0.1	27.7		5.70		TAS		25.3	1.18	a_e mb	5.2
RJOB	78.22		P	10:47:01.716	0.6	27.7		5.70		TAS		83.0	0.96	a_e mb	5.8
ROTZ	76.62		P	10:46:52.716	0.3	27.7		5.70		TAS		33.0	1.14	a_e mb	5.4
RUE	73.77		P	10:46:36.216	0.0	27.7		5.70		TAS		43.8	0.93	a_e mb	5.5
STU	78.41		P	10:47:02.166		27.7		5.70		TAS		69.3	0.95	a_e mb	5.8
TANN	75.97		P	10:46:48.616	-0.1	27.7		5.70		TAS		10.7	1.02	a_e mb	4.9
TNS	77.32		P	10:46:56.216	0.2	27.7		5.70		TAS		34.1	0.95	a_e mb	5.5
UBBA	76.34		P	10:46:51.016	-0.2	27.7		5.70		TAS		11.4	0.82	a_e mb	5.0

WERD	75.99	P	10:46:48.766	0.0	27.7	5.70	TAS	18.6	0.91	a_e	mb	5.2
WERN	76.11	P	10:46:49.616	0.1	27.7	5.70	TAS	31.6	0.76	m_e	mb	5.5
WET	76.96	P	10:46:54.666	-0.1	27.7	5.70	TAS	43.1	1.06	a_e	mb	5.5
WLF	78.45	P	10:47:03.366		27.7	5.70	TAS	28.2	1.15	a_e	mb	5.3

Event 51018005 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	16:18:37.29			-16.3020	-172.6870				33.0			35		142.37	148.63	m i ke	BGR
OrigID 51018011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.1		BGR	51018011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.85		PKPbc	16:38:14.226	0.4	6.8		3.00		TAS				a_e	
ASSE	144.16		PKPbc	16:38:08.926	-0.8	6.8		3.00		TAS				a_e	
BFO	148.05		PKPbc	16:38:20.676		6.8		3.00		TAS				a_e	
BRG	145.10		PKPbc	16:38:11.526	-0.1	6.8		3.00		TAS				a_e	
BSEG	142.37		PKPbc	16:38:04.753	-0.5	6.8		3.00		TAS				m_e	
BUG	144.95		PKPbc	16:38:10.626	-0.4	6.8		3.00		TAS				a_e	
CLL	144.78		PKPbc	16:38:10.426	-0.3	6.8		3.00		TAS				a_e	
CLZ	144.46		PKPbc	16:38:09.976	-0.2	6.8		3.00		TAS				a_e	
FBE	145.13		PKPbc	16:38:11.926	0.1	6.8		3.00		TAS				a_e	
FLT1	143.92		PKPbc	16:38:07.676	-0.3	6.8		3.00		TAS				m_e	
FUR	148.06		PKPbc	16:38:20.726		6.8		3.00		TAS				a_e	
GEC2	147.13		PKPbc	16:38:18.126	-1.6	6.8		3.00		TAS				a_e	
GRA1	146.55		PKPbc	16:38:16.776	0.1	6.8		3.00		TAS				a_e	
GRA1	146.55		L	17:47:21.938						T__		3040.9	19.60	a_e	Ms 6.1
GTTG	144.78		PKPbc	16:38:10.226	0.1	6.8		3.00		TAS				a_e	
GUNZ	145.78		PKPbc	16:38:13.926	0.3	6.8		3.00		TAS				a_e	
IBBN	144.08		PKPbc	16:38:07.876	-0.5	6.8		3.00		TAS				a_e	
KAST	145.17		PKPbc	16:38:11.676	0.0	6.8		3.00		TAS				a_e	
MANZ	146.18		PKPbc	16:38:15.276	0.8	6.8		3.00		TAS				a_e	
MILB	146.52		PKPbc	16:38:16.376	0.3	6.8		3.00		TAS				a_e	
MOX	145.57		PKPbc	16:38:13.026	0.2	6.8		3.00		TAS				a_e	
NEUB	145.01		PKPbc	16:38:11.226	-0.2	6.8		3.00		TAS				a_e	
NRDL	143.82		PKPbc	16:38:08.081	0.2	6.8		3.00		TAS				m_e	
PLN	145.68		PKPbc	16:38:13.476	0.3	6.8		3.00		TAS				a_e	
RJOB	148.33		PKPbc	16:38:19.776		6.8		3.00		TAS				a_e	
ROTZ	146.39		PKPbc	16:38:16.026	0.7	6.8		3.00		TAS				m_e	
RUE	143.55		PKPbc	16:38:06.531	0.1	6.8		3.00		TAS				m_e	
STU	147.58		PKPbc	16:38:19.326	-0.2	6.8		3.00		TAS				a_e	
TANN	145.72		PKPbc	16:38:13.576	0.4	6.8		3.00		TAS				a_e	
TNS	146.15		PKPbc	16:38:15.226	0.6	6.8		3.00		TAS				a_e	
UBBA	145.50		PKPbc	16:38:12.726	0.0	6.8		3.00		TAS				a_e	

UBR	148.63	PKPbc	16:38:22.076		6.8	3.00	TAS	a_e
WERD	145.70	PKPbc	16:38:13.526	0.0	6.8	3.00	TAS	a_e
WERN	145.85	PKPbc	16:38:14.226	0.5	6.8	3.00	TAS	a_e
WET	146.93	PKPbc	16:38:17.876	0.0	6.8	3.00	TAS	a_e
WLF	146.71	PKPbc	16:38:17.526	0.2	6.8	3.00	TAS	a_e

Event 51018006 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	16:23:43.34			-15.8180	-172.3770				33.0		29		143.69	148.16	m i ke	BGR
	51018012															

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.36		PKPbc	16:43:17.032	0.2	6.2		3.07		TAS				a_e	
ASSE	143.69		PKPbc	16:43:12.082	-0.1	6.2		3.07		TAS				a_e	
BFO	147.57		PKPbc	16:43:23.432		6.2		3.07		TAS				a_e	
BRG	144.66		PKPbc	16:43:14.092	-0.4	6.2		3.07		TAS				m_e	
BUG	144.46		PKPbc	16:43:13.382	-0.1	6.2		3.07		TAS				a_e	
CLL	144.34		PKPbc	16:43:13.232	-0.0	6.2		3.07		TAS				a_e	
CLZ	144.00		PKPbc	16:43:12.465	0.2	6.2		3.07		TAS				m_e	
FBE	144.68		PKPbc	16:43:14.182	0.1	6.2		3.07		TAS				a_e	
FUR	147.61		PKPbc	16:43:23.482		6.2		3.07		TAS				a_e	
GEC2	146.69		PKPbc	16:43:20.732		6.2		3.07		TAS				a_e	
GRA1	146.09		PKPbc	16:43:19.204		6.2		3.07		TAS				m_e	
GTTG	144.31		PKPbc	16:43:13.032	-0.1	6.2		3.07		TAS				a_e	
GUNZ	145.33		PKPbc	16:43:16.582	0.1	6.2		3.07		TAS				m_e	
KAST	144.70		PKPbc	16:43:14.432	0.1	6.2		3.07		TAS				a_e	
MANZ	145.73		PKPbc	16:43:17.323	-0.4	6.2		3.07		TAS				m_e	
MILB	146.05		PKPbc	16:43:18.892	-0.5	6.2		3.07		TAS				m_e	
MOX	145.11		PKPbc	16:43:15.732	0.3	6.2		3.07		TAS				a_e	
PLN	145.23		PKPbc	16:43:16.082	0.4	6.2		3.07		TAS				a_e	
RJOB	147.89		PKPbc	16:43:23.990		6.2		3.07		TAS				m_e	
ROTZ	145.94		PKPbc	16:43:18.682		6.2		3.07		TAS				a_e	
STU	147.11		PKPbc	16:43:22.132		6.2		3.07		TAS				a_e	
TANN	145.27		PKPbc	16:43:16.282	-0.0	6.2		3.07		TAS				a_e	
TNS	145.68		PKPbc	16:43:17.706	0.0	6.2		3.07		TAS				m_e	
UBBA	145.03		PKPbc	16:43:15.732	0.2	6.2		3.07		TAS				a_e	
UBR	148.16		PKPbc	16:43:24.673		6.2		3.07		TAS				m_e	
WERD	145.25		PKPbc	16:43:16.182	0.9	6.2		3.07		TAS				a_e	
WERN	145.41		PKPbc	16:43:16.932	-0.0	6.2		3.07		TAS				a_e	
WET	146.49		PKPbc	16:43:20.932		6.2		3.07		TAS				a_e	
WLF	146.22		PKPbc	16:43:19.801		6.2		3.07		TAS				m_e	

Event 51018009 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	17:51:31.90			-16.2800	-173.2800				12.0					146.47	146.47	m i ke	EMSC
OrigID 51018041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.47		PKP	18:11:13.524		7.8		1.88		TAS					m_e

Event 51018010 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	18:17:30.50			-16.0400	-173.6000				48.0					146.21	146.21	m i ke	EMSC
OrigID 51018042																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.21		PKP	18:37:06.231		8.4		2.18		TAS					m_e

Event 51018011 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	18:32:35.30			-5.1800	153.0700				46.0					125.23	125.23	m i ke	EMSC
OrigID 51018043																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	125.23		PKP	18:51:33.380		48.9		1.21		TAS					m_e

Event 51018012 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/18	19:36:33.28			-23.6330	-179.2120				33.0			10		150.80	151.91	m i ke	BGR
OrigID 51018018																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ABG1	151.22		PKPbc	19:56:23.651	-0.2	21.2		2.31		TAS				m_e		
BBWF	151.91		PKPbc	19:56:24.807		21.2		2.31		TAS				m_e		
BRG	150.95		PKPbc	19:56:22.648		21.2		2.31		TAS				m_e		
CHRS	151.02		PKPbc	19:56:23.072	-0.2	21.2		2.31		TAS				m_e		
CLL	150.80		PKPbc	19:56:22.379	0.2	21.2		2.31		TAS				m_e		
FBE	151.07		PKPbc	19:56:23.265	0.0	21.2		2.31		TAS				m_e		
GUNZ	151.84		PKPbc	19:56:24.692		21.2		2.31		TAS				m_e		
HKWD	151.42		PKPbc	19:56:23.805		21.2		2.31		TAS				m_e		
MLFH	151.51		PKPbc	19:56:23.921		21.2		2.31		TAS				m_e		
MODW	151.27		PKPbc	19:56:23.497	-0.1	21.2		2.31		TAS				m_e		
MOX	151.75		PKPbc	19:56:24.306		21.2		2.31		TAS				m_e		
NEUB	151.20		PKPbc	19:56:23.419	-0.0	21.2		2.31		TAS				m_e		
PLN	151.77		PKPbc	19:56:24.614		21.2		2.31		TAS				m_e		
POSS	151.27		PKPbc	19:56:23.342	0.1	21.2		2.31		TAS				m_e		
SCHF	151.53		PKPbc	19:56:24.190		21.2		2.31		TAS				m_e		
TANN	151.76		PKPbc	19:56:24.692		21.2		2.31		TAS				m_e		
VITZ	151.85		PKPbc	19:56:24.537		21.2		2.31		TAS				m_e		
WIMM	150.96		PKPbc	19:56:22.764		21.2		2.31		TAS				m_e		

Event 51019001 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/19	02:17:36.39			24.6430	122.4860				33.0					84.20	84.20	m i ke	BGR
OrigID 51019007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	51019007
Ms	5.3		BGR	51019007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.20		P	02:30:07.835		62.9		4.69		TAS		12.5	1.13	m_e	mb 5.0
GRA1	84.20		L	03:11:50.727						T__		1337.0	20.70	a_e	Ms 5.3

Event 51019005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/19	11:31:40.20			-20.9900	-179.1100				647.0					150.21	150.21	m i ke	EMSC
OrigID 51019037																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.21		PKP	11:50:19.953		19.7		1.69		TAS					m_e

Event 51019007 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/19	13:50:50.49			15.0700	120.5500				116.2	2.1		38		87.43	93.61	m i ke	BGR
OrigID 51019013																	

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 51019013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.67		P	14:03:45.157	-0.5	65.7		4.65		TAS		60.1	1.80	a_e mb	5.7
ASSE	89.95		P	14:03:32.307	0.0	65.7		4.65		TAS		47.3	1.46	a_e mb	5.5
BFO	92.94		P	14:03:45.707	0.2	65.7		4.65		TAS		71.1	1.91	a_e mb	5.8
BRG	88.57		P	14:03:25.857	-0.0	65.7		4.65		TAS		26.8	1.15	a_e mb	5.4
BSEG	89.38		P	14:03:29.457	-0.2	65.7		4.65		TAS		32.7	1.30	a_e mb	5.4
BUG	92.15		P	14:03:42.207	-0.1	65.7		4.65		TAS		37.6	1.50	a_e mb	5.5
CLL	88.95		P	14:03:27.257	-0.4	65.7		4.65		TAS		85.7	1.90	a_e mb	5.7
CLL	88.95		pP	14:03:57.482						T__				m_e	
CLZ	90.23		P	14:03:33.907	0.3	65.7		4.65		TAS		156.9	1.85	a_e mb	5.9
FBE	88.90		P	14:03:27.557	0.2	65.7		4.65		TAS		169.8	2.00	a_e mb	5.9
FLT1	89.55		P	14:03:29.807	-0.6	65.7		4.65		TAS		18.5	1.08	a_e mb	5.2
FUR	91.24		P	14:03:38.407	-0.1	65.7		4.65		TAS		201.9	1.75	a_e mb	6.2
GEC2	89.48		P	14:03:30.157	0.0	65.7		4.65		TAS		128.3	1.85	a_e mb	5.8
GRA1	90.64		P	14:03:35.857	0.0	65.7		4.65		TAS		132.3	1.82	a_e mb	6.0
GTTG	90.59		P	14:03:35.407	0.1	65.7		4.65		TAS		30.5	0.99	a_e mb	5.6
GUNZ	89.71		P	14:03:31.207	0.0	65.7		4.65		TAS		73.2	1.56	a_e mb	5.7
GUNZ	89.71		pP	14:04:01.312						T__				m_e	
IBBN	91.48		P	14:03:39.357	0.2	65.7		4.65		TAS		79.2	1.44	a_e mb	5.8
IBBN	91.48		pP	14:04:08.960						T__				m_e	
KAST	91.61		P	14:03:40.207	-0.1	65.7		4.65		TAS		80.7	1.90	a_e mb	5.7
LNIZ	87.43		P	14:03:20.757	0.2	65.7		4.65		TAS		272.7	1.98	a_e mb	6.0
MANZ	90.00		P	14:03:32.857	0.3	65.7		4.65		TAS		89.7	1.68	a_e mb	5.7
MILB	91.72		P	14:03:40.357	0.1	65.7		4.65		TAS		33.2	1.22	a_e mb	5.5
MOX	90.02		P	14:03:32.607	-0.0	65.7		4.65		TAS		74.9	1.70	m_e mb	5.6
NEUB	89.71		P	14:03:30.907	-0.2	65.7		4.65		TAS		64.0	1.33	a_e mb	5.7
NRDL	90.11		P	14:03:33.357	0.3	65.7		4.65		TAS		117.0	1.91	a_e mb	5.8
NRDL	90.11		pP	14:04:03.416						T__				m_e	
PLN	89.77		P	14:03:31.407	-0.0	65.7		4.65		TAS		98.2	1.87	a_e mb	5.7
PLN	89.77		pP	14:04:01.855						T__				m_e	
RGN	87.52		P	14:03:20.757	-0.2	65.7		4.65		TAS		123.8	1.38	a_e mb	6.1
RJOB	90.47		P	14:03:34.457	-0.2	65.7		4.65		TAS		31.0	1.20	a_e mb	5.4

ROTZ	90.03	P	14:03:32.957	0.3	65.7	4.65	TAS	84.1	1.59	a_e	mb	5.7
RUE	88.06	P	14:03:23.407	-0.1	65.7	4.65	TAS	47.6	0.78	a_e	mb	5.9
SKMB	89.51	P	14:03:30.357	0.1	65.7	4.65	TAS	79.7	0.89	a_e	mb	6.0
STU	92.24	P	14:03:42.807	0.2	65.7	4.65	TAS			a_e		
TANN	89.62	P	14:03:30.707	-0.0	65.7	4.65	TAS	69.2	1.82	a_e	mb	5.6
TNS	92.03	P	14:03:42.107	-0.4	65.7	4.65	TAS	68.0	1.63	a_e	mb	5.7
UBBA	90.88	P	14:03:36.607	0.1	65.7	4.65	TAS	71.5	1.62	a_e	mb	5.7
UBR	92.15	P	14:03:42.157	-0.3	65.7	4.65	TAS	35.9	0.88	a_e	mb	5.7
WERD	89.70	P	14:03:31.057	-0.1	65.7	4.65	TAS	80.5	1.69	a_e	mb	5.7
WERN	89.72	P	14:03:31.307	0.1	65.7	4.65	TAS	68.1	1.68	a_e	mb	5.6
WET	89.87	P	14:03:32.207	0.3	65.7	4.65	TAS	118.2	1.90	a_e	mb	5.8
WLF	93.61	P	14:03:49.507		65.7	4.65	TAS			a_e		

Event 51019008 Southwestern Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/19	14:17:03.50			28.8000	63.8700				89.0					44.74	44.74	m i ke	EMSC
OrigID 51019040																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51019014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	44.74		P	14:25:07.891		97.6		8.18		TAS		12.1	0.76	m_e	mb	4.9

Event 51019010 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/19	21:44:55.73			32.1830	131.7700				41.7					82.93	82.93	m i ke	BGR
OrigID 51019016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51019016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	82.93		P	21:57:14.980		55.5		4.59		TAS		12.9	1.03	m_e	mb	5.1	
GRA1	82.93		pP	21:57:27.058						T__				m_e			

Event 51020003 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2015/10/20 09:29:17.23 28.2400 140.7900 369.0 3.0 6 86.37 92.69 m i ke BGR
 51020009

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 51020009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	91.53		P	09:41:42.402	-0.3	42.8		4.63		TAS		20.0	0.98	a_e	mb 5.4
ASSE	88.85		P	09:41:29.702	0.2	42.8		4.63		TAS		11.4	1.30	a_e	mb 4.9
BFO	92.69		P	09:41:47.452		42.8		4.63		TAS		60.2	1.31	a_e	mb 5.9
BFO	92.69		pP	09:43:13.840	1.5					T__				m_e	
BRG	88.34		P	09:41:27.452	-0.4	42.8		4.63		TAS		37.2	1.05	a_e	mb 5.6
BSEG	87.65		P	09:41:24.252	-0.1	42.8		4.63		TAS		37.4	1.25	a_e	mb 5.6
BSEG	87.65		pP	09:42:49.502	1.5					T__				m_e	
BUG	90.75		P	09:41:38.352	-0.0	42.8		4.63		TAS		35.8	1.26	a_e	mb 5.6
BUG	90.75		PP	09:45:19.825		48.5		5.99		TAS				m_e	
CLL	88.45		P	09:41:27.702	0.2	42.8		4.63		TAS		40.6	1.10	a_e	mb 5.6
CLZ	89.18		P	09:41:31.652	0.1	42.8		4.63		TAS		46.6	1.51	a_e	mb 5.5
CLZ	89.18		PP	09:45:10.987		48.5		5.99		TAS				m_e	
FBE	88.57		P	09:41:28.852	-0.2	42.8		4.63		TAS		60.0	1.05	a_e	mb 5.8
FLT1	88.46		P	09:41:27.452	-0.1	42.8		4.63		TAS		16.3	0.71	a_e	mb 5.4
FLT1	88.46		pP	09:42:53.248	1.5					T__				m_e	
FUR	91.50		P	09:41:42.352	-0.1	42.8		4.63		TAS		120.6	1.11	a_e	mb 6.1
FUR	91.50		pP	09:43:08.862	1.5					T__				m_e	
GEC2	89.89		P	09:41:34.552	0.3	42.8		4.63		TAS		38.1	1.11	a_e	mb 5.5
GRA1	90.41		P	09:41:37.452	-0.4	42.8		4.63		TAS		64.9	1.08	a_e	mb 5.9
GTTG	89.57		P	09:41:33.402	-0.2	42.8		4.63		TAS		16.9	0.95	a_e	mb 5.3
GTTG	89.57		PP	09:45:11.716		48.5		5.99		TAS				m_e	
GUNZ	89.42		P	09:41:32.702	0.0	42.8		4.63		TAS		32.0	0.97	m_e	mb 5.5
IBBN	89.90		P	09:41:34.652	0.1	42.8		4.63		TAS		66.0	1.06	a_e	mb 5.8
IBBN	89.90		pP	09:43:00.022	1.5					T__				m_e	
KAST	90.47		P	09:41:37.302	-0.1	42.8		4.63		TAS		12.3	1.04	a_e	mb 5.2
KAST	90.47		PP	09:45:18.227		48.5		5.99		TAS				m_e	
LNIZ	86.37		P	09:41:18.502	-0.1	42.8		4.63		TAS		60.2	0.84	a_e	mb 5.8
MANZ	89.80		P	09:41:34.502	-0.1	42.8		4.63		TAS		32.3	1.18	a_e	mb 5.4
MILB	91.14		P	09:41:40.502	0.1	42.8		4.63		TAS		35.8	1.52	a_e	mb 5.5
MILB	91.14		pP	09:43:06.001	1.5					T__				m_e	
MOX	89.53		P	09:41:33.102	0.2	42.8		4.63		TAS		30.9	1.29	a_e	mb 5.4
NEUB	89.07		P	09:41:30.752	0.0	42.8		4.63		TAS		62.9	1.34	a_e	mb 5.7
NEUB	89.07		PP	09:45:08.186		48.5		5.99		TAS				m_e	
NRDL	88.81		P	09:41:29.652	-0.2	42.8		4.63		TAS		28.6	1.40	a_e	mb 5.3
PLN	89.41		P	09:41:32.552	0.2	42.8		4.63		TAS		36.2	1.31	a_e	mb 5.4
RJOB	91.11		P	09:41:40.302	0.1	42.8		4.63		TAS		60.8	0.91	a_e	mb 5.9
ROTZ	89.91		P	09:41:35.152	-0.1	42.8		4.63		TAS		52.2	1.34	a_e	mb 5.6
RUE	87.28		P	09:41:22.552	0.5	42.8		4.63		TAS		23.8	0.63	a_e	mb 5.7
SKMB	87.41		P	09:41:23.702	-0.1	42.8		4.63		TAS		81.3	0.91	a_e	mb 6.0
STU	91.98		P	09:41:44.352	0.4	42.8		4.63		TAS		145.0	1.10	a_e	mb 6.2
TANN	89.33		P	09:41:32.152	0.0	42.8		4.63		TAS		23.1	1.16	a_e	mb 5.3

TNS	91.20	P	09:41:40.902	0.1	42.8	4.63	TAS	28.7	1.32	a_e mb	5.4
TNS	91.20	pP	09:43:07.254	1.5			T__			m_e	
UBBA	90.10	P	09:41:35.652	-0.1	42.8	4.63	TAS	56.8	1.88	a_e mb	5.6
UBBA	90.10	PP	09:45:15.859		48.5	5.99	TAS			m_e	
UBR	92.39	P	09:41:46.002	-0.2	42.8	4.63	TAS	80.7	1.87	a_e mb	5.8
WERD	89.38	P	09:41:32.402	0.1	42.8	4.63	TAS	32.8	1.12	a_e mb	5.5
WERN	89.46	P	09:41:32.952	0.1	42.8	4.63	TAS	36.2	0.89	a_e mb	5.6
WET	90.06	P	09:41:35.652	0.3	42.8	4.63	TAS	35.3	1.34	a_e mb	5.5
WLF	92.58	P	09:41:47.552		42.8	4.63	TAS	52.9	1.20	a_e mb	5.8

Event 51020007 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/20	15:42:22.50			31.7900	50.2300				10.0					34.07	34.07	m i ke	EMSC
OrigID 51020039																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	51020013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	34.07		P	15:49:05.596		106.9		9.71		TAS		7.4	1.13	m_e mb	4.5

Event 51020011 Drake Passage

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/20	20:33:14.70			-57.4500	-66.1800				20.0					124.27	124.27	m i ke	EMSC
OrigID 51020043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	51020017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	124.27		PKP	20:52:11.103		219.7		2.21		TAS				m_e	
GRA1	124.27		L	21:50:38.623						T__		331.0	19.90	a_e Ms	5.0

Event 51020001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/20	21:52:03.60			-14.8900	167.3100				147.0				24	135.54	142.41	m i ke	EMSC
OrigID 51020033																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	141.00		SKKSac	22:20:57.239		37.5		5.99		TAS					m_e	
AHRW	141.00		Pdiff	22:08:33.338		37.7		4.47		TAS					m_e	
AHRW	141.00		X	22:11:05.222	0.2	36.3		4.52		TAS					m_e	
AHRW	141.00		PKPdf	22:11:15.410	-0.3	36.3		2.03		TAS					m_e	
AHRW	141.00		PP	22:14:18.923		37.7		6.24		TAS					m_e	
AHRW	141.00		SKPdf	22:14:36.865	0.7	40.2		1.89		TAS					m_e	
ASSE	138.44		X	22:10:56.816	-1.2	36.3		4.52		TAS					m_e	
ASSE	138.44		PKPdf	22:11:09.690	-0.6	36.3		2.03		TAS					m_e	
ASSE	138.44		PP	22:14:02.054	-0.4	37.7		6.24		TAS					m_e	
BFO	142.41		SKKSac	22:21:03.727		37.5		5.99		TAS					m_e	
BFO	142.41		Pdiff	22:08:39.354		37.7		4.47		TAS					m_e	
BFO	142.41		X	22:11:10.513	-0.7	36.3		4.52		TAS					m_e	
BFO	142.41		PKPdf	22:11:18.128	-0.5	36.3		2.03		TAS					m_e	
BRG	138.17		SKKSac	22:20:39.491	1.6	37.5		5.99		TAS					m_e	
BRG	138.17		Pdiff	22:08:21.783	0.2	37.7		4.47		TAS					m_e	
BRG	138.17		X	22:10:49.631	-2.6	36.3		4.52		TAS					m_e	
BRG	138.17		PKPdf	22:11:09.690	-0.3	36.3		2.03		TAS					m_e	
BRG	138.17		PP	22:14:00.339	0.2	37.7		6.24		TAS					m_e	
BRG	138.17		SKPdf	22:14:32.354	0.1	40.2		1.89		TAS					m_e	
BSEG	137.07		X	22:10:46.201	-1.0	36.3		4.52		TAS					m_e	
BSEG	137.07		PKPdf	22:11:08.256	0.5	36.3		2.03		TAS					m_e	
BSEG	137.07		PP	22:13:54.786	0.8	37.7		6.24		TAS					m_e	
BSEG	137.07		SKPdf	22:14:31.707	-0.4	40.2		1.89		TAS					m_e	
BUG	140.17		SKKSac	22:20:52.468		37.5		5.99		TAS					m_e	
BUG	140.17		X	22:11:03.327	2.1	36.3		4.52		TAS					m_e	
BUG	140.17		PKPdf	22:11:14.567	0.5	36.3		2.03		TAS					m_e	
BUG	140.17		PP	22:14:12.714	-0.6	37.7		6.24		TAS					m_e	
BUG	140.17		SKPdf	22:14:35.750	-1.4	40.2		1.89		TAS					m_e	
CLL	138.22		SKKSac	22:20:38.918	-0.8	37.5		5.99		TAS					m_e	
CLL	138.22		Pdiff	22:08:19.139	-1.3	37.7		4.47		TAS					m_e	
CLL	138.22		X	22:10:50.422	-1.9	36.3		4.52		TAS					m_e	
CLL	138.22		PKPdf	22:11:09.403	-0.7	36.3		2.03		TAS					m_e	
CLL	138.22		PP	22:14:00.735	0.2	37.7		6.24		TAS					m_e	
CLL	138.22		SKPdf	22:14:32.199	0.8	40.2		1.89		TAS					m_e	
CLZ	138.78		SKKSac	22:20:43.117		37.5		5.99		TAS					m_e	
CLZ	138.78		X	22:10:53.061	-1.7	36.3		4.52		TAS					m_e	
CLZ	138.78		PKPdf	22:11:11.125	-0.1	36.3		2.03		TAS					m_e	
CLZ	138.78		PP	22:14:04.223	-0.3	37.7		6.24		TAS					m_e	
CLZ	138.78		SKPdf	22:14:34.195	0.2	40.2		1.89		TAS					m_e	
FLT1	138.07		SKKSac	22:20:36.056	-0.8	37.5		5.99		TAS					m_e	
FLT1	138.07		Pdiff	22:08:19.450	-1.3	37.7		4.47		TAS					m_e	
FLT1	138.07		X	22:10:51.214	-0.4	36.3		4.52		TAS					m_e	
FLT1	138.07		PKPdf	22:11:09.117	-0.6	36.3		2.03		TAS					m_e	
FLT1	138.07		PP	22:13:59.495	0.0	37.7		6.24		TAS					m_e	
FLT1	138.07		SKPdf	22:14:32.329	0.3	40.2		1.89		TAS					m_e	

FUR	141.37	SKKSac	22:20:58.765		37.5	5.99	TAS	m_e
FUR	141.37	Pdiff	22:08:35.311		37.7	4.47	TAS	m_e
FUR	141.37	X	22:11:07.015	0.3	36.3	4.52	TAS	m_e
FUR	141.37	PKPdf	22:11:17.601	1.1	36.3	2.03	TAS	m_e
FUR	141.37	SKPdf	22:14:39.015		40.2	1.89	TAS	m_e
GEC2	139.80	SKKSac	22:20:50.750		37.5	5.99	TAS	m_e
GEC2	139.80	Pdiff	22:08:27.408	0.1	37.7	4.47	TAS	m_e
GEC2	139.80	X	22:11:00.977	1.1	36.3	4.52	TAS	m_e
GEC2	139.80	PKPdf	22:11:13.707	0.2	36.3	2.03	TAS	m_e
GEC2	139.80	SKPdf	22:14:35.283	-0.7	40.2	1.89	TAS	m_e
GRA1	140.19	SKKSac	22:20:53.231		37.5	5.99	TAS	m_e
GRA1	140.19	Pdiff	22:08:30.024		37.7	4.47	TAS	m_e
GRA1	140.19	X	22:11:03.092	1.9	36.3	4.52	TAS	m_e
GRA1	140.19	PKPdf	22:11:14.119	0.0	36.3	2.03	TAS	m_e
GRA1	140.19	SKPdf	22:14:35.594	-0.5	40.2	1.89	TAS	m_e
GTTG	139.17	X	22:10:55.700	-0.9	36.3	4.52	TAS	m_e
GTTG	139.17	PKPdf	22:11:11.985	0.0	36.3	2.03	TAS	m_e
GTTG	139.17	PP	22:14:08.343	1.0	37.7	6.24	TAS	m_e
GTTG	139.17	SKPdf	22:14:35.128	-0.3	40.2	1.89	TAS	m_e
HLG	137.61	X	22:10:47.256	-2.7	36.3	4.52	TAS	m_e
HLG	137.61	PKPdf	22:11:08.913	-0.1	36.3	2.03	TAS	m_e
HLG	137.61	SKPdf	22:14:31.551	-0.3	40.2	1.89	TAS	m_e
IBBN	139.27	Pdiff	22:08:25.981	0.9	37.7	4.47	TAS	m_e
IBBN	139.27	X	22:10:56.491	-0.7	36.3	4.52	TAS	m_e
IBBN	139.27	PKPdf	22:11:12.559	0.3	36.3	2.03	TAS	m_e
IBBN	139.27	SKPdf	22:14:35.283	1.5	40.2	1.89	TAS	m_e
KAST	139.99	X	22:11:01.986	1.6	36.3	4.52	TAS	m_e
KAST	139.99	PKPdf	22:11:13.994	0.3	36.3	2.03	TAS	m_e
KAST	139.99	PP	22:14:12.916	-0.4	37.7	6.24	TAS	m_e
KAST	139.99	SKPdf	22:14:35.439	-0.3	40.2	1.89	TAS	m_e
LNIZ	136.05	Pdiff	22:08:11.520	0.7	37.7	4.47	TAS	m_e
LNIZ	136.05	X	22:10:43.298	0.8	36.3	4.52	TAS	m_e
LNIZ	136.05	PKPdf	22:11:05.944	0.3	36.3	2.03	TAS	m_e
LNIZ	136.05	PP	22:13:46.299	-0.8	37.7	6.24	TAS	m_e
MANZ	139.60	X	22:10:58.866	0.2	36.3	4.52	TAS	m_e
MANZ	139.60	PKPdf	22:11:12.846	-0.1	36.3	2.03	TAS	m_e
MANZ	139.60	SKPdf	22:14:35.750	-1.1	40.2	1.89	TAS	m_e
MILB	140.82	SKKSac	22:20:56.285		37.5	5.99	TAS	m_e
MILB	140.82	X	22:11:04.421	0.4	36.3	4.52	TAS	m_e
MILB	140.82	PKPdf	22:11:15.340	0.0	36.3	2.03	TAS	m_e
MILB	140.82	PP	22:14:15.959		37.7	6.24	TAS	m_e
MILB	140.82	SKPdf	22:14:37.305	1.0	40.2	1.89	TAS	m_e
MOX	139.28	SKKSac	22:20:46.743		37.5	5.99	TAS	m_e
MOX	139.28	Pdiff	22:08:24.582	0.8	37.7	4.47	TAS	m_e
MOX	139.28	X	22:10:57.811	0.7	36.3	4.52	TAS	m_e
MOX	139.28	PKPdf	22:11:11.985	-0.2	36.3	2.03	TAS	m_e
MOX	139.28	PP	22:14:08.233	0.9	37.7	6.24	TAS	m_e
MOX	139.28	SKPdf	22:14:34.998	-0.2	40.2	1.89	TAS	m_e
NEUB	138.78	Pdiff	22:08:23.182	-1.4	37.7	4.47	TAS	m_e

NEUB	138.78	X	22:10:53.589	-1.2	36.3	4.52	TAS	m_e
NEUB	138.78	PKPdf	22:11:11.125	-0.1	36.3	2.03	TAS	m_e
NEUB	138.78	PP	22:14:03.834	0.6	37.7	6.24	TAS	m_e
NEUB	138.78	SKPdf	22:14:33.884	0.3	40.2	1.89	TAS	m_e
NRDL	138.33	SKKSac	22:20:41.018	-0.0	37.5	5.99	TAS	m_e
NRDL	138.33	X	22:10:54.117	1.3	36.3	4.52	TAS	m_e
NRDL	138.33	PKPdf	22:11:09.403	-0.9	36.3	2.03	TAS	m_e
NRDL	138.33	PP	22:14:01.843	-0.0	37.7	6.24	TAS	m_e
NRDL	138.33	SKPdf	22:14:32.821	0.5	40.2	1.89	TAS	m_e
PLN	139.19	X	22:10:59.478	-0.5	36.3	4.52	TAS	m_e
PLN	139.19	PKPdf	22:11:11.699	-0.2	36.3	2.03	TAS	m_e
PLN	139.19	PP	22:14:07.978	1.6	37.7	6.24	TAS	m_e
RGN	135.54	SKKSac	22:20:24.606	0.5	37.5	5.99	TAS	m_e
RGN	135.54	Pdiff	22:08:08.721	0.1	37.7	4.47	TAS	m_e
RGN	135.54	X	22:10:42.770	2.6	36.3	4.52	TAS	m_e
RGN	135.54	PKPdf	22:11:04.526	-0.1	36.3	2.03	TAS	m_e
RGN	135.54	PP	22:13:43.740	-0.4	37.7	6.24	TAS	m_e
RJOB	141.03	SKKSac	22:20:56.285		37.5	5.99	TAS	m_e
RJOB	141.03	X	22:11:05.004	-0.5	36.3	4.52	TAS	m_e
RJOB	141.03	PKPdf	22:11:16.017	0.0	36.3	2.03	TAS	m_e
RJOB	141.03	PP	22:14:18.070		37.7	6.24	TAS	m_e
RJOB	141.03	SKPdf	22:14:37.331		40.2	1.89	TAS	m_e
ROTZ	139.74	SKKSac	22:20:50.559		37.5	5.99	TAS	m_e
ROTZ	139.74	Pdiff	22:08:25.826	0.7	37.7	4.47	TAS	m_e
ROTZ	139.74	X	22:10:59.922	0.7	36.3	4.52	TAS	m_e
ROTZ	139.74	PKPdf	22:11:13.707	0.5	36.3	2.03	TAS	m_e
ROTZ	139.74	SKPdf	22:14:35.128	-0.8	40.2	1.89	TAS	m_e
RUE	137.00	SKKSac	22:20:32.812	-0.3	37.5	5.99	TAS	m_e
RUE	137.00	Pdiff	22:08:14.941	-0.1	37.7	4.47	TAS	m_e
RUE	137.00	X	22:10:47.784	1.0	36.3	4.52	TAS	m_e
RUE	137.00	PKPdf	22:11:08.095	0.5	36.3	2.03	TAS	m_e
RUE	137.00	PP	22:13:52.852	-0.2	37.7	6.24	TAS	m_e
SKMB	136.69	Pdiff	22:08:14.163	-0.1	37.7	4.47	TAS	m_e
SKMB	136.69	X	22:10:46.201	0.6	36.3	4.52	TAS	m_e
SKMB	136.69	PKPdf	22:11:07.235	0.2	36.3	2.03	TAS	m_e
SKMB	136.69	PP	22:13:51.208	-0.7	37.7	6.24	TAS	m_e
STU	141.72	SKKSac	22:20:59.720		37.5	5.99	TAS	m_e
STU	141.72	Pdiff	22:08:35.778		37.7	4.47	TAS	m_e
STU	141.72	X	22:11:07.661	-0.5	36.3	4.52	TAS	m_e
STU	141.72	PKPdf	22:11:16.809	-0.4	36.3	2.03	TAS	m_e
STU	141.72	PP	22:14:22.077		37.7	6.24	TAS	m_e
STU	141.72	SKPdf	22:14:40.259		40.2	1.89	TAS	m_e
TANN	139.13	SKKSac	22:20:46.170		37.5	5.99	TAS	m_e
TANN	139.13	Pdiff	22:08:23.182	0.2	37.7	4.47	TAS	m_e
TANN	139.13	X	22:10:53.589	-2.9	36.3	4.52	TAS	m_e
TANN	139.13	PKPdf	22:11:11.667	-0.3	36.3	2.03	TAS	m_e
TANN	139.13	PP	22:14:06.893	1.7	37.7	6.24	TAS	m_e
TANN	139.13	SKPdf	22:14:35.128	0.5	40.2	1.89	TAS	m_e
TNS	140.80	SKKSac	22:20:57.239		37.5	5.99	TAS	m_e

TNS	140.80	X	22:11:04.423	0.5	36.3	4.52	TAS	m_e
TNS	140.80	PKPdf	22:11:15.141	-0.2	36.3	2.03	TAS	m_e
TNS	140.80	PP	22:14:16.618		37.7	6.24	TAS	m_e
TNS	140.80	SKPdf	22:14:38.393	0.5	40.2	1.89	TAS	m_e
UBBA	139.75	SKKSac	22:20:49.796		37.5	5.99	TAS	m_e
UBBA	139.75	Pdiff	22:08:27.536	-0.3	37.7	4.47	TAS	m_e
UBBA	139.75	X	22:10:59.922	0.7	36.3	4.52	TAS	m_e
UBBA	139.75	PKPdf	22:11:13.133	-0.0	36.3	2.03	TAS	m_e
UBBA	139.75	PP	22:14:10.231	-0.9	37.7	6.24	TAS	m_e
UBBA	139.75	SKPdf	22:14:37.176	-1.0	40.2	1.89	TAS	m_e
UBR	142.24	SKKSac	22:21:03.918		37.5	5.99	TAS	m_e
UBR	142.24	X	22:11:10.165	-0.4	36.3	4.52	TAS	m_e
UBR	142.24	PKPdf	22:11:17.777	-0.5	36.3	2.03	TAS	m_e
WET	139.94	SKKSac	22:20:49.605		37.5	5.99	TAS	m_e
WET	139.94	Pdiff	22:08:29.091		37.7	4.47	TAS	m_e
WET	139.94	X	22:11:01.597	1.3	36.3	4.52	TAS	m_e
WET	139.94	PKPdf	22:11:13.994	0.3	36.3	2.03	TAS	m_e
WET	139.94	SKPdf	22:14:34.661	0.7	40.2	1.89	TAS	m_e
WLF	142.06	SKKSac	22:21:03.345		37.5	5.99	TAS	m_e
WLF	142.06	X	22:11:09.714	-0.1	36.3	4.52	TAS	m_e
WLF	142.06	PKPdf	22:11:18.392	0.5	36.3	2.03	TAS	m_e
WLF	142.06	PP	22:14:24.398		37.7	6.24	TAS	m_e
WLF	142.06	SKPdf	22:14:40.881		40.2	1.89	TAS	m_e

Event 51021001 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
2015/10/21	06:04:55.98			37.9170	141.1030				37.9	0.8		39		77.58	84.42	m i ke	BGR
51021007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	51021007
Ms	5.1		BGR	51021007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.08		P	06:17:14.309	-0.1	37.7		5.25		TAS		45.5	1.24	a_e mb	5.6
ASSE	80.47		P	06:17:00.609	-0.1	37.7		5.25		TAS		24.3	1.20	a_e mb	5.0
BFO	84.42		P	06:17:21.059	-0.4	37.7		5.25		TAS		99.3	1.32	a_e mb	5.9
BRG	80.17		P	06:16:59.059	-0.1	37.7		5.25		TAS		36.9	0.93	a_e mb	5.3
BSEG	79.16		P	06:16:53.859	0.0	37.7		5.25		TAS		55.9	0.97	a_e mb	5.6
BUG	82.28		P	06:17:09.859	-0.3	37.7		5.25		TAS		46.7	1.21	a_e mb	5.5
CLL	80.21		P	06:16:59.009	-0.4	37.7		5.25		TAS		70.8	1.00	a_e mb	5.5
CLZ	80.81		P	06:17:02.809	0.3	37.7		5.25		TAS		79.0	1.28	a_e mb	5.6
CLZ	80.81		pP	06:17:13.968						T__					m_e
CLZ	80.81		sP	06:17:17.791						T__					m_e
FBE	80.37		P	06:17:00.409	0.2	37.7		5.25		TAS		58.6	0.82	a_e mb	5.6

FLT1	80.09	P	06:16:58.159	-0.6	37.7	5.25	TAS	48.4	0.81	a_e	mb	5.5
FUR	83.37	P	06:17:16.059	0.1	37.7	5.25	TAS	90.2	0.77	a_e	mb	6.1
FUR	83.37	pP	06:17:26.827				T__				m_e	
FUR	83.37	sP	06:17:30.935				T__				m_e	
GEC2	81.83	P	06:17:07.759	-0.1	37.7	5.25	TAS	19.3	0.68	a_e	mb	5.4
GRA1	82.18	P	06:17:10.209	0.5	37.7	5.25	TAS	112.1	1.27	a_e	mb	5.8
GRA1	82.18	pP	06:17:21.213				T__				m_e	
GRA1	82.18	sP	06:17:25.279				T__				m_e	
GRA1	82.18	L	06:58:17.611				T__	736.2	18.20	a_e	Ms	5.1
GTTG	81.20	P	06:17:04.659	0.1	37.7	5.25	TAS	56.0	1.19	a_e	mb	5.5
GUNZ	81.21	P	06:17:04.809	0.1	37.7	5.25	TAS	29.9	0.99	a_e	mb	5.3
GUNZ	81.21	pP	06:17:15.839				T__				m_e	
GUNZ	81.21	sP	06:17:19.888				T__				m_e	
HLG	79.82	P	06:16:57.359	0.2	37.7	5.25	TAS	176.6	1.11	a_e	mb	5.9
IBBN	81.39	P	06:17:05.509	0.0	37.7	5.25	TAS	54.2	0.87	a_e	mb	5.6
KAST	82.05	P	06:17:09.059	0.1	37.7	5.25	TAS	32.3	1.20	a_e	mb	5.3
LNIZ	78.05	P	06:16:47.809	-0.3	37.7	5.25	TAS	115.0	1.05	a_e	mb	5.9
MANZ	81.60	P	06:17:06.809	0.1	37.7	5.25	TAS	23.3	0.86	m_e	mb	5.3
MANZ	81.60	pP	06:17:17.537				T__				m_e	
MANZ	81.60	sP	06:17:21.656				T__				m_e	
MILB	82.83	P	06:17:13.059	-0.1	37.7	5.25	TAS	84.4	2.01	a_e	mb	5.6
MOX	81.28	P	06:17:04.959	-0.0	37.7	5.25	TAS	21.3	1.00	a_e	mb	5.1
NEUB	80.78	P	06:17:02.209	-0.2	37.7	5.25	TAS	76.1	1.03	a_e	mb	5.7
NRDL	80.39	P	06:17:00.209	-0.1	37.7	5.25	TAS	24.3	0.91	a_e	mb	5.1
NRDL	80.39	pP	06:17:11.127				T__				m_e	
NRDL	80.39	sP	06:17:15.064				T__				m_e	
PLN	81.19	P	06:17:04.559	0.0	37.7	5.25	TAS	67.9	1.92	a_e	mb	5.3
RGN	77.58	P	06:16:45.309	-0.2	37.7	5.25	TAS	81.0	0.89	a_e	mb	5.9
RJOB	83.08	P	06:17:14.709	0.3	37.7	5.25	TAS	60.0	0.94	a_e	mb	5.8
ROTZ	81.73	P	06:17:07.859	0.5	37.7	5.25	TAS	60.1	1.24	a_e	mb	5.6
RUE	79.00	P	06:16:52.909	-0.1	37.7	5.25	TAS	66.7	1.14	a_e	mb	5.6
SKMB	78.85	P	06:16:52.659	0.5	37.7	5.25	TAS	84.3	0.64	a_e	mb	5.9
STU	83.72	P	06:17:17.609	-0.2	37.7	5.25	TAS	147.8	1.07	a_e	mb	6.1
TANN	81.12	P	06:17:04.209	0.0	37.7	5.25	TAS	56.4	1.81	a_e	mb	5.3
TNS	82.83	P	06:17:13.109	-0.0	37.7	5.25	TAS	21.0	1.08	a_e	mb	5.3
UBBA	81.76	P	06:17:07.509	-0.0	37.7	5.25	TAS	26.3	1.26	a_e	mb	5.2
UBR	84.23	P	06:17:20.009	-0.5	37.7	5.25	TAS	37.8	1.33	a_e	mb	5.5
WERD	81.16	P	06:17:04.459	0.1	37.7	5.25	TAS	72.3	1.85	a_e	mb	5.4
WERN	81.26	P	06:17:05.109	0.2	37.7	5.25	TAS	27.8	0.89	a_e	mb	5.3
WET	81.94	P	06:17:08.809	0.3	37.7	5.25	TAS	28.2	1.01	a_e	mb	5.3
WET	81.94	pP	06:17:20.010				T__				m_e	
WET	81.94	sP	06:17:23.748				T__				m_e	
WLF	84.14	P	06:17:20.309	0.3	37.7	5.25	TAS	113.8	1.83	a_e	mb	5.8

OrigID
 2015/10/21 20:33:19.13 62.3090 -131.1250 33.0 64.40 64.40 m i ke BGR
 51021012

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 51021012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 64.40 P 20:43:50.206 345.3 6.17 TAS 10.2 0.96 m_e mb 5.0

Event 51022008 Near east coast of eastern Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2015/10/22 16:18:51.10 39.3300 142.0000 60.0 81.31 81.31 m i ke EMSC
 51022040

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 51022014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 81.31 P 16:31:01.208 36.5 4.60 TAS 7.4 1.01 m_e mb 4.7

Event 51022009 Mariana Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2015/10/22 17:47:49.20 17.8900 147.1500 60.0 102.25 102.25 m i ke EMSC
 51022041

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 102.25 PP 18:05:50.760 T__ m_e

Event 51023001 India-Pakistan border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2015/10/23 00:27:28.25 27.2400 70.9560 33.0 22 48.75 52.98 m i ke BGR
 51023007

Magnitude Err Nsta Author OrigID

mb 5.4 BGR 51023007
 Ms 5.3 BGR 51023007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	52.25		P	00:36:34.501	0.0	93.4		7.57		TAS		22.3	1.18	m_e	mb 5.0
BRG	48.75		P	00:36:08.431	-0.2	93.4		7.57		TAS		42.1	1.03	m_e	mb 5.4
BSEG	51.30		P	00:36:27.391	-0.0	93.4		7.57		TAS		129.9	1.10	m_e	mb 5.8
BUG	52.98		P	00:36:40.630		93.4		7.57		TAS		73.3	1.21	m_e	mb 5.5
CLL	49.39		P	00:36:12.844	0.1	93.4		7.57		TAS		42.3	1.34	m_e	mb 5.3
CLZ	51.07		P	00:36:26.165	0.3	93.4		7.57		TAS		108.5	1.03	m_e	mb 5.7
FBE	49.12		P	00:36:11.700	-0.6	93.4		7.57		TAS		61.1	1.18	m_e	mb 5.5
FLT1	50.58		P	00:36:21.589	0.1	93.4		7.57		TAS		100.7	0.96	m_e	mb 5.7
GRA1	50.38		P	00:36:21.834	0.3	93.4		7.57		TAS		59.0	1.14	m_e	mb 5.4
GRA1	50.38		L	01:00:47.036						T__		2468.8	20.40	a_e	Ms 5.2
GTTG	51.30		P	00:36:27.881	-0.6	93.4		7.57		TAS		57.0	1.08	m_e	mb 5.4
GUNZ	49.72		P	00:36:16.195	0.4	93.4		7.57		TAS		33.2	1.10	m_e	mb 5.2
IBBN	52.71		P	00:36:38.424		93.4		7.57		TAS		138.7	0.97	m_e	mb 5.9
MANZ	49.83		P	00:36:17.421	0.2	93.4		7.57		TAS		15.8	1.16	m_e	mb 4.8
MOX	50.20		P	00:36:19.872	0.7	93.4		7.57		TAS		52.2	1.26	m_e	mb 5.3
MOX	50.20		L	01:00:06.374						T__		2878.9	19.50	a_e	Ms 5.3
NEUB	50.14		P	00:36:19.137	-0.6	93.4		7.57		TAS		79.8	1.08	m_e	mb 5.6
NRDL	51.29		P	00:36:27.800	-0.3	93.4		7.57		TAS		88.1	0.96	m_e	mb 5.7
PLN	49.84		P	00:36:17.012	-0.0	93.4		7.57		TAS		23.5	1.05	m_e	mb 5.1
ROTZ	49.75		P	00:36:16.767	0.5	93.4		7.57		TAS		7.3	1.13	m_e	mb 4.5
RUE	49.05		P	00:36:09.820	-0.7	93.4		7.57		TAS		101.3	0.93	m_e	mb 5.8
TANN	49.64		P	00:36:15.541	0.1	93.4		7.57		TAS		27.1	1.15	m_e	mb 5.1
UBR	51.05		P	00:36:25.593	0.0	93.4		7.57		TAS		29.2	0.83	m_e	mb 5.2
WERD	49.74		P	00:36:16.195	0.1	93.4		7.57		TAS		31.7	1.25	m_e	mb 5.1

Event 51025001 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/25	14:58:57.10			-29.3300	-177.7600				10.0			15		154.72	158.62	m i ke	EMSC
	51025033																

Magnitude Err Nsta Author OrigID
 Ms 5.6 BGR 51025007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	158.50		PKPdf	15:18:54.753	0.1	21.9		1.25		TAS				m_e	
BRG	156.75		PKPdf	15:18:52.502	0.3	21.9		1.25		TAS				m_e	
BSEG	154.72		PKPdf	15:18:49.802	-0.0	21.9		1.25		TAS				m_e	
CLZ	156.71		PKPdf	15:18:52.502	0.3	21.9		1.25		TAS				m_e	
FBE	156.87		PKPdf	15:18:52.165	-0.1	21.9		1.25		TAS				m_e	
FLT1	156.07		PKPdf	15:18:50.983	-0.4	21.9		1.25		TAS				m_e	
GEC2	158.62		PKPdf	15:18:54.359		21.9		1.25		TAS				m_e	

GRA1	158.55	L	16:37:58.761							T__	944.0	19.60	a_e	Ms	5.6
GUNZ	157.65	PKPdf	15:18:53.346	0.1	21.9	1.25				TAS			m_e		
MANZ	158.05	PKPdf	15:18:53.853	0.1	21.9	1.25				TAS			m_e		
MOX	157.57	PKPdf	15:18:53.178	-0.3	21.9	1.25				TAS			m_e		
MOX	157.57	L	16:29:52.776							T__	812.8	21.70	a_e	Ms	5.5
NEUB	157.02	PKPdf	15:18:52.671	0.2	21.9	1.25				TAS			m_e		
NRDL	156.14	PKPdf	15:18:51.490	-0.1	21.9	1.25				TAS			m_e		
PLN	157.58	PKPdf	15:18:52.840	0.1	21.9	1.25				TAS			m_e		
RUE	155.35	PKPdf	15:18:50.477	0.1	21.9	1.25				TAS			m_e		
WET	158.61	PKPdf	15:18:54.528	-0.2	21.9	1.25				TAS			m_e		

Event 51026002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/26	01:40:29.35			-26.3500	179.7900				33.0			11		151.36	154.09	m i ke	BGR
51026008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	152.97		PKPbc	02:00:23.979	0.0	23.7		2.31		TAS				m_e	
BRG	153.23		PKPbc	02:00:24.564	-0.1	23.7		2.31		TAS				m_e	
BSEG	151.36		PKPbc	02:00:20.246	-0.1	23.7		2.31		TAS				m_e	
CLL	153.12		PKPbc	02:00:24.271	-0.1	23.7		2.31		TAS				m_e	
CLZ	153.31		PKPbc	02:00:25.150	0.4	23.7		2.31		TAS				m_e	
FBE	153.36		PKPbc	02:00:25.296	0.4	23.7		2.31		TAS				m_e	
FLT1	152.65		PKPbc	02:00:22.954	-0.3	23.7		2.31		TAS				m_e	
NEUB	153.56		PKPbc	02:00:25.150	-0.2	23.7		2.31		TAS				m_e	
NRDL	152.76		PKPbc	02:00:23.540	0.0	23.7		2.31		TAS				m_e	
RUE	151.86		PKPbc	02:00:21.490	0.1	23.7		2.31		TAS				m_e	
WERD	154.09		PKPbc	02:00:26.321		23.7		2.31		TAS				m_e	

Event 51026001 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/26	09:09:05.28			35.7500	71.8700				19.5			34		43.41	48.74	m i ke	BGR
51026007																	

Magnitude Err Nsta Author OrigID
mb 7.2 BGR 51026007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	48.02		P	09:17:41.471	-0.2	85.1		7.84		TAS		2700.5	1.19	m_e mb	7.3

ASSE	45.61	P	09:17:22.142	-0.5	85.1	7.84	TAS	4325.3	1.95	m_e	mb	7.1
BFO	47.54	P	09:17:37.115	-0.5	85.1	7.84	TAS	2000.9	1.44	m_e	mb	7.0
BRG	43.64	P	09:17:07.119	-0.2	85.1	7.84	TAS	3247.4	1.18	m_e	mb	6.9
BSEG	45.72	P	09:17:23.785	0.8	85.1	7.84	TAS	4862.1	1.23	m_e	mb	7.4
BUG	47.78	P	09:17:39.513	-0.2	85.1	7.84	TAS	3607.0	1.19	m_e	mb	7.4
CLL	44.21	P	09:17:11.166	-0.6	85.1	7.84	TAS	2491.2	1.24	m_e	mb	6.8
CLZ	45.81	P	09:17:24.316	0.0	85.1	7.84	TAS	4597.6	1.31	m_e	mb	7.3
FBE	44.01	P	09:17:10.346	0.1	85.1	7.84	TAS	4277.8	1.20	m_e	mb	7.1
FLT1	45.25	P	09:17:19.296	-0.5	85.1	7.84	TAS	6444.1	1.29	m_e	mb	7.4
FUR	45.62	P	09:17:22.926	0.6	85.1	7.84	TAS	5998.3	1.31	m_e	mb	7.5
GEC2	43.94	P	09:17:09.246	-0.1	85.1	7.84	TAS	2269.4	1.52	m_e	mb	6.7
GRA1	45.47	P	09:17:22.395	0.8	85.1	7.84	TAS	9416.2	1.70	m_e	mb	7.4
GTTG	46.09	P	09:17:26.533	0.0	85.1	7.84	TAS	5458.0	1.13	m_e	mb	7.5
GUNZ	44.70	P	09:17:15.661	0.1	85.1	7.84	TAS	2536.8	1.21	m_e	mb	7.0
IBBN	47.38	P	09:17:36.495	-0.3	85.1	7.84	TAS	7250.0	1.24	m_e	mb	7.7
KAST	47.09	P	09:17:34.081	-0.4	85.1	7.84	TAS			m_e		
LNIZ	43.41	P	09:17:04.696	0.3	85.1	7.84	TAS	6852.7	1.29	m_e	mb	7.2
MANZ	44.87	P	09:17:17.272	-0.1	85.1	7.84	TAS	825.2	1.36	m_e	mb	6.5
MILB	46.70	P	09:17:31.190	-0.1	85.1	7.84	TAS	2416.5	1.07	m_e	mb	7.3
MOX	45.13	P	09:17:18.958	-0.2	85.1	7.84	TAS	3035.2	1.27	m_e	mb	7.1
NEUB	44.99	P	09:17:17.697	0.3	85.1	7.84	TAS	4531.1	1.22	m_e	mb	7.3
NRDL	45.93	P	09:17:25.348	-0.1	85.1	7.84	TAS	4268.6	1.23	m_e	mb	7.3
PLN	44.80	P	09:17:16.302	0.9	85.1	7.84	TAS	2408.7	1.34	m_e	mb	7.0
RGN	43.94	P	09:17:09.726	0.1	85.1	7.84	TAS	32174.6	1.60	m_e	mb	7.8
RJOB	44.66	P	09:17:14.738	-0.5	85.1	7.84	TAS	2812.5	1.55	m_e	mb	7.0
RUE	43.68	P	09:17:07.006	-0.0	85.1	7.84	TAS	5740.9	1.44	m_e	mb	7.1
STU	46.91	P	09:17:32.881	-0.3	85.1	7.84	TAS	6122.2	1.06	m_e	mb	7.7
TANN	44.61	P	09:17:14.898	0.1	85.1	7.84	TAS	2996.5	1.40	m_e	mb	7.0
TNS	47.19	P	09:17:35.115	-0.0	85.1	7.84	TAS	1870.0	1.14	m_e	mb	7.1
UBBA	46.14	P	09:17:26.594	0.2	85.1	7.84	TAS	1335.6	0.82	m_e	mb	7.0
UBR	46.46	P	09:17:28.939		85.1	7.84	TAS	3453.3	1.20	m_e	mb	7.3
WERD	44.71	P	09:17:15.646		85.1	7.84	TAS	2519.8	1.26	m_e	mb	7.0
WLF	48.74	P	09:17:47.477		85.1	7.84	TAS	4878.7	1.30	m_e	mb	7.4

Event 51026007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/26	13:10:56.30			-18.9730	-177.0920				33.0			27		144.64	150.77	m i ke	BGR
	51026013																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.36		PKPbc	13:30:32.863	-0.0	15.2		2.72		TAS				m_e	
BFO	150.39		PKPbc	13:30:43.642		15.2		2.72		TAS				m_e	
BRG	146.99		PKPbc	13:30:34.649	0.5	15.2		2.72		TAS				m_e	

BSEG	144.64	PKPbc	13:30:27.380	-0.9	15.2	2.72	TAS	m_e
CLL	146.76	PKPbc	13:30:33.971	0.0	15.2	2.72	TAS	m_e
CLZ	146.68	PKPbc	13:30:33.971	-0.0	15.2	2.72	TAS	m_e
FBE	147.06	PKPbc	13:30:35.326	0.2	15.2	2.72	TAS	m_e
FLT1	146.08	PKPbc	13:30:31.754	-0.4	15.2	2.72	TAS	m_e
FUR	150.10	PKPbc	13:30:42.718		15.2	2.72	TAS	m_e
GEC2	148.95	PKPbc	13:30:39.885	-0.3	15.2	2.72	TAS	m_e
GRA1	148.63	PKPbc	13:30:39.515	-0.3	15.2	2.72	TAS	m_e
GTTG	147.02	PKPbc	13:30:34.957	0.1	15.2	2.72	TAS	m_e
GUNZ	147.79	PKPbc	13:30:37.236	0.3	15.2	2.72	TAS	m_e
MANZ	148.19	PKPbc	13:30:38.283	0.0	15.2	2.72	TAS	m_e
NEUB	147.09	PKPbc	13:30:34.957	0.2	15.2	2.72	TAS	m_e
NRDL	146.08	PKPbc	13:30:31.939	-0.2	15.2	2.72	TAS	m_e
PLN	147.70	PKPbc	13:30:36.743	0.5	15.2	2.72	TAS	m_e
RJOB	150.20	PKPbc	13:30:42.657		15.2	2.72	TAS	m_e
ROTZ	148.39	PKPbc	13:30:38.714	-0.2	15.2	2.72	TAS	m_e
RUE	145.50	PKPbc	13:30:30.091	-0.5	15.2	2.72	TAS	m_e
STU	149.84	PKPbc	13:30:42.349		15.2	2.72	TAS	m_e
TANN	147.72	PKPbc	13:30:36.866	0.3	15.2	2.72	TAS	m_e
TNS	148.51	PKPbc	13:30:39.146	-0.0	15.2	2.72	TAS	m_e
UBR	150.77	PKPbc	13:30:44.197		15.2	2.72	TAS	m_e
WERN	147.85	PKPbc	13:30:37.236	0.5	15.2	2.72	TAS	m_e
WET	148.85	PKPbc	13:30:39.700	-0.8	15.2	2.72	TAS	m_e
WLF	149.27	PKPbc	13:30:41.548	-0.7	15.2	2.72	TAS	m_e

Event 51029001 Pyrenees

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/29	00:37:46.60			42.2400	3.1800				33.0	0.0		7		7.09	10.39	m i ke	EMSC
51029037																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	7.09		Pn	00:39:29.076						T__					m_e
FUR	8.23		Pn	00:39:46.442						T__					m_e
GEC2	9.90		Pn	00:40:08.573						T__					m_e
GRA1	9.32		Pn	00:40:00.148						T__					m_e
TANN	10.39		Pn	00:40:14.418						T__					m_e
UBR	7.33		Pn	00:39:34.405						T__					m_e
WET	9.67		Pn	00:40:05.042						T__					m_e

Event 51030001 Madagascar

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/30	02:19:50.49			-13.4200	49.1200				10.0			15		70.07	73.75	m i ke	BGR
OrigID 51030007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	51030007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.53		P	02:31:20.437		140.5		6.08		TAS		5.3	0.77	m_e	mb	4.6
BFO	71.34		P	02:31:07.445		140.5		6.08		TAS		5.4	1.06	m_e	mb	4.6
BRG	71.00		P	02:31:05.313	-0.3	140.5		6.08		TAS		3.9	0.95	m_e	mb	4.5
CLL	71.71		P	02:31:09.490	0.1	140.5		6.08		TAS		4.2	0.83	m_e	mb	4.6
CLZ	73.14		P	02:31:18.280	0.0	140.5		6.08		TAS		6.1	0.95	m_e	mb	4.7
GRA1	71.14		P	02:31:06.215	0.1	140.5		6.08		TAS				m_e		
GTTG	73.08		P	02:31:18.081	-0.2	140.5		6.08		TAS		6.8	0.90	m_e	mb	4.8
GUNZ	71.22		P	02:31:07.002	0.1	140.5		6.08		TAS		4.6	0.94	m_e	mb	4.6
MOX	71.72		P	02:31:09.670	0.1	140.5		6.08		TAS		3.1	0.92	m_e	mb	4.4
NRDL	73.75		P	02:31:21.937	0.0	140.5		6.08		TAS				m_e		
TANN	71.21		P	02:31:06.706	-0.1	140.5		6.08		TAS		4.3	0.97	m_e	mb	4.5
UBBA	72.51		P	02:31:14.386		140.5		6.08		TAS				m_e		
UBR	70.07		P	02:30:59.812		140.5		6.08		TAS		3.8	0.94	m_e	mb	4.5
WERD	71.29		P	02:31:07.286	0.0	140.5		6.08		TAS		10.7	1.14	m_e	mb	4.9
WERN	71.14		P	02:31:06.263		140.5		6.08		TAS		5.4	1.17	m_e	mb	4.6

Event 51030002 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/30	11:26:48.67			24.3000	96.5800				33.0			17		67.50	72.14	m i ke	BGR
OrigID 51030008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51030008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	68.75		P	11:37:52.655	0.2	77.9		5.90		TAS		2.4	0.75	m_e	mb	4.5
BFO	71.13		P	11:38:07.230		77.9		5.90		TAS				m_e		
BSEG	68.58		P	11:37:51.959	-0.4	77.9		5.90		TAS		8.8	0.93	m_e	mb	5.0
CLL	67.50		P	11:37:44.718	-0.9	77.9		5.90		TAS				m_e		
CLZ	69.00		P	11:37:54.451	0.9	77.9		5.90		TAS				m_e		
GEC2	67.55		P	11:37:45.545	0.5	77.9		5.90		TAS				m_e		
GRA1	68.95		P	11:37:54.453	0.1	77.9		5.90		TAS				m_e		
GTTG	69.31		P	11:37:56.536		77.9		5.90		TAS		5.4	0.80	m_e	mb	4.8
GUNZ	68.11		P	11:37:49.295	0.1	77.9		5.90		TAS		15.7	1.36	m_e	mb	5.1
MANZ	68.33		P	11:37:50.440	0.6	77.9		5.90		TAS				m_e		
MOX	68.50		P	11:37:51.113	0.1	77.9		5.90		TAS				m_e		

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NRDL	69.01	P	11:37:54.624	-1.5	77.9	5.90	TAS	4.9	0.89	m_e mb	4.7
RJOB	68.37	P	11:37:50.343	0.1	77.9	5.90	TAS			m_e	
ROTZ	68.31	P	11:37:50.208	0.6	77.9	5.90	TAS			m_e	
TANN	68.02	P	11:37:48.583	-0.7	77.9	5.90	TAS	1.7	0.78	m_e mb	4.3
WET	68.02	P	11:37:48.459	0.6	77.9	5.90	TAS	4.6	0.98	m_e mb	4.7
WLF	72.14	P	11:38:13.916		77.9	5.90	TAS	38.0	1.28	m_e mb	5.4

Event 51031001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/10/31	07:56:27.77			39.6130	143.6630				33.0					81.70	81.70	m i ke	BGR
OrigID 51031007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51031007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.70		P	08:08:41.598		37.7		4.50		TAS		7.4	0.80	m_e mb	4.9