

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

(produced by SZO/BGR - HANNOVER)

December 2015

UPDATED 12.October.2017

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

Event 51201010 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/01	06:13:43.96			40.9540	72.9370				33.0			22		41.21	46.35	m i ke	BGR
OrigID 51201016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51201016
Ms	4.1		BGR	51201016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	45.33		P	06:21:56.950		77.2		8.09		TAS		24.3	0.97	m_e mb	5.1
BFO	45.33		L	06:42:37.717						T__		194.0	21.40	a_e Ms	4.0
BRG	41.21		P	06:21:23.674	0.1	77.2		8.09		TAS		26.9	0.67	m_e mb	5.1
BSEG	42.90		P	06:21:37.482	-0.2	77.2		8.09		TAS		40.4	0.92	m_e mb	5.1
BSEG	42.90		L	06:40:19.911						T__		239.0	20.50	a_e Ms	4.1
CLL	41.72		P	06:21:27.424	1.0	77.2		8.09		TAS		53.0	1.36	m_e mb	5.1
CLL	41.72		L	06:39:47.949						T__		221.8	20.40	a_e Ms	4.0
FBE	41.56		P	06:21:26.993	-0.6	77.2		8.09		TAS		46.5	0.65	m_e mb	5.4
FLT1	42.62		P	06:21:34.400	-0.2	77.2		8.09		TAS		45.0	1.11	m_e mb	5.1
FUR	43.47		P	06:21:43.027		77.2		8.09		TAS		101.4	0.69	m_e mb	5.7
GEC2	41.75		P	06:21:28.887	-0.1	77.2		8.09		TAS		63.1	0.94	m_e mb	5.3
GEC2	41.75		L	06:40:27.361						T__		298.6	18.40	a_e Ms	4.2
GRA1	43.15		P	06:21:40.482		77.2		8.09		TAS		79.8	0.85	m_e mb	5.5
GRA1	43.15		L	06:40:58.911						T__		339.3	19.10	a_e Ms	4.3
GTTG	43.54		P	06:21:42.852		77.2		8.09		TAS		67.9	0.97	m_e mb	5.3
GUNZ	42.31		P	06:21:32.937	-0.2	77.2		8.09		TAS		26.2	0.93	m_e mb	4.9
MANZ	42.52		P	06:21:34.700	0.7	77.2		8.09		TAS		3.2	0.80	m_e mb	4.1
MOX	42.70		P	06:21:35.821	0.2	77.2		8.09		TAS		18.4	0.92	m_e mb	4.8
MOX	42.70		L	06:40:51.215						T__		401.1	18.10	a_e Ms	4.4
NEUB	42.50		P	06:21:34.196	-0.2	77.2		8.09		TAS		48.9	0.88	m_e mb	5.2

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NRDL	43.27	P	06:21:40.544	0.2	77.2		8.09	TAS	46.8	1.03	m_e	mb	5.2
PLN	42.39	P	06:21:33.431	-0.3	77.2		8.09	TAS	28.8	1.29	m_e	mb	4.8
TANN	42.22	P	06:21:32.028	-0.1	77.2		8.09	TAS	20.8	0.99	m_e	mb	4.8
TNS	44.77	L	06:42:13.226					T__	249.1	19.20	a_e	Ms	4.2
UBR	44.36	P	06:21:49.526		77.2		8.09	TAS	79.2	0.85	m_e	mb	5.5
WERD	42.31	P	06:21:32.814	-0.1	77.2		8.09	TAS	22.4	0.76	m_e	mb	5.0
WERN	42.29	P	06:21:32.862	0.4	77.2		8.09	TAS	15.7	1.28	m_e	mb	4.6
WET	42.21	P	06:21:32.400	0.2	77.2		8.09	TAS	35.2	0.96	m_e	mb	5.1
WET	42.21	L	06:40:41.198					T__	249.2	19.30	a_e	Ms	4.1
WLF	46.35	P	06:22:05.294		77.2		8.09	TAS	43.3	1.10	m_e	mb	5.4

Event 51201011 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/01	12:25:05.30			-15.0400	-173.0500				53.0					144.29	145.27	m i ke	EMSC
51201043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	51201017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	145.27		PKPdf	12:44:40.364		7.3		3.02		TAS				m_e		
GRA1	145.27		L	13:52:45.815						T__		207.3	18.20	a_e	Ms	4.9
MOX	144.29		L	13:48:25.774						T__		93.1	20.60	a_e	Ms	4.5

Event 51201012 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/01	17:08:26.30			-14.9800	-176.5400				10.0					140.76	146.93	m i ke	EMSC
51201044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	51201018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	146.50		PKPdf	17:28:09.397		13.1		2.91		TAS				m_e		
BFO	146.50		L	18:35:54.519						T__		929.9	20.60	a_e	Ms	5.5
BSEG	140.76		L	18:29:05.770						T__		1552.9	21.90	a_e	Ms	5.7
CLL	142.96		L	18:30:18.285						T__		1907.7	21.90	a_e	Ms	5.8
FUR	146.29		PKPdf	17:28:08.950		13.1		2.91		TAS				m_e		
FUR	146.29		L	18:34:07.589						T__		1645.0	20.40	a_e	Ms	5.8
GEC2	145.20		PKPdf	17:28:04.495		13.1		2.91		TAS				m_e		
GEC2	145.20		L	18:31:58.790						T__		2051.3	21.20	a_e	Ms	5.9

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.65		PKPdf	12:32:06.379		27.2		2.95		TAS				m_e	
GRA1	144.65		L	13:36:22.160						T__		93.2	20.50	a_e	Ms 4.5
MOX	143.69		L	13:39:46.615						T__		79.9	20.10	a_e	Ms 4.5

Event 51202020 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/02	20:01:04.24			44.2160	147.7550				33.0					77.10	79.07	m i ke	BGR
OrigID 51202026																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51202026
Ms	3.8		BGR	51202026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	77.10		P	20:12:52.345		29.1		4.83		TAS		16.0	0.68	m_e	mb 5.3
GRA1	79.07		P	20:13:03.838		29.1		4.83		TAS		19.7	1.03	m_e	mb 5.1
GRA1	79.07		L	20:50:14.022						T__		36.3	20.20	a_e	Ms 3.7
MOX	78.12		L	20:52:31.354						T__		58.9	18.80	a_e	Ms 3.9

Event 51202021 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/02	23:27:08.19			38.5750	40.0570				10.0				30	21.54	26.53	m i ke	BGR
OrigID 51202027																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	51202027
Ms	4.7		BGR	51202027

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	26.15		P	23:32:44.769		107.5		10.03		TAS		139.3	1.06	m_e	mb 5.5
ASSE	24.50		P	23:32:26.542	0.9	107.5		10.03		TAS		41.4	1.22	m_e	mb 4.8
BFO	24.85		P	23:32:32.418	-1.5	107.5		10.03		TAS		83.5	1.29	m_e	mb 5.3
BFO	24.85		L	23:42:48.068						T__		2805.7	21.70	a_e	Ms 4.7
BRG	22.13		P	23:32:03.563	0.7	107.5		10.03		TAS		179.5	1.60	m_e	mb 5.3
BSEG	25.42		P	23:32:34.914	-0.8	107.5		10.03		TAS		281.6	1.31	m_e	mb 5.8
BSEG	25.42		L	23:44:27.100						T__		1933.3	20.40	a_e	Ms 4.6
BUG	26.27		P	23:32:44.048		107.5		10.03		TAS		128.5	1.47	m_e	mb 5.3
CLL	22.84		P	23:32:09.684	-0.2	107.5		10.03		TAS		102.8	1.15	m_e	mb 5.3
CLL	22.84		L	23:42:07.254						T__		2273.2	20.20	a_e	Ms 4.6
CLZ	24.56		P	23:32:26.686	1.6	107.5		10.03		TAS		136.2	0.96	m_e	mb 5.6

FBE	22.49	P	23:32:05.950	-0.6	107.5	10.03	TAS	136.3	1.20	m_e	mb	5.3
FUR	22.90	P	23:32:11.642	-1.2	107.5	10.03	TAS	171.0	1.01	m_e	mb	5.5
FUR	22.90	L	23:41:37.997				T__	3311.1	21.80	a_e	Ms	4.7
GEC2	21.54	P	23:31:56.157	0.5	107.5	10.03	TAS	153.9	1.41	m_e	mb	5.2
GEC2	21.54	L	23:41:04.950				T__	3384.0	20.90	a_e	Ms	4.7
GRA1	23.35	P	23:32:16.231	0.9	107.5	10.03	TAS	811.4	1.25	m_e	mb	6.1
GRA1	23.35	L	23:42:12.195				T__	2602.6	21.30	a_e	Ms	4.7
GTTG	24.70	P	23:32:30.452	0.1	107.5	10.03	TAS	126.8	1.33	m_e	mb	5.5
GUNZ	22.89	P	23:32:09.926	-1.0	107.5	10.03	TAS	73.5	1.21	m_e	mb	5.1
IBBN	26.24	P	23:32:43.304		107.5	10.03	TAS	126.5	1.20	m_e	mb	5.4
MOX	23.41	P	23:32:16.644	0.5	107.5	10.03	TAS	49.5	1.23	m_e	mb	4.9
MOX	23.41	L	23:43:41.809				T__	2998.4	19.20	a_e	Ms	4.8
PLN	23.03	P	23:32:12.795	0.4	107.5	10.03	TAS	427.7	3.34	m_e	mb	5.4
RETH	25.47	P	23:32:35.625	2.2	107.5	10.03	TAS	289.9	1.19	m_e	mb	5.9
RJOB	21.80	P	23:31:59.833	-0.7	107.5	10.03	TAS	173.0	1.07	m_e	mb	5.4
ROTZ	22.76	P	23:32:09.197	-0.6	107.5	10.03	TAS	71.4	1.48	m_e	mb	5.0
RUE	22.90	P	23:32:10.183	0.2	107.5	10.03	TAS	360.0	1.51	m_e	mb	5.7
STU	24.39	P	23:32:25.149	1.3	107.5	10.03	TAS	722.8	1.39	m_e	mb	6.0
TANN	22.83	P	23:32:09.274	-1.1	107.5	10.03	TAS			m_e		
TNS	25.22	P	23:32:33.266	0.7	107.5	10.03	TAS	239.1	1.31	m_e	mb	5.8
TNS	25.22	L	23:43:19.321				T__	3759.0	20.70	a_e	Ms	4.9
UBBA	24.44	P	23:32:26.713	-0.6	107.5	10.03	TAS	83.5	1.43	m_e	mb	5.1
UBR	23.55	P	23:32:17.577	-0.8	107.5	10.03	TAS	62.2	0.97	m_e	mb	5.1
WERD	22.93	P	23:32:10.836	-0.5	107.5	10.03	TAS	229.3	2.56	m_e	mb	5.3
WERN	22.83	P	23:32:09.641	-0.8	107.5	10.03	TAS	121.4	1.09	m_e	mb	5.3
WET	22.15	P	23:32:04.368	-1.4	107.5	10.03	TAS	152.0	1.30	m_e	mb	5.3
WET	22.15	L	23:41:23.973				T__	3231.2	21.30	a_e	Ms	4.7
WLF	26.53	P	23:32:45.927		107.5	10.03	TAS	105.7	1.10	m_e	mb	5.5

Event 51204003 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/04	04:25:48.60			21.4400	145.8500				2.0			9		96.50	99.66	m i ke	EMSC
	51204035																

Magnitude Err Nsta Author
Ms 4.9 BGR OrigID 51204009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	96.96		PP	04:43:17.678						T__				m_e	
BRG	96.50		PP	04:43:13.843	0.5					T__				m_e	
FBE	96.72		PP	04:43:16.068	0.6					T__				m_e	
FUR	99.66		PP	04:43:38.065						T__				m_e	
GEC2	98.06		PP	04:43:26.167						T__				m_e	
GRA1	98.55		L	05:26:34.436						T__		368.2	21.50	a_e Ms	4.8
MOX	97.68		PP	04:43:22.747						T__				m_e	

MOX	97.68	L	05:27:59.086	T__	520.3	21.20	a_e	Ms	5.0
PLN	97.56	PP	04:43:22.746	T__			m_e		
RETH	97.03	PP	04:43:17.865	T__			m_e		
WET	98.22	PP	04:43:28.083	T__			m_e		

Event 51204004 Southeastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/04	13:27:04.90			57.5700	120.7100				20.0			16		56.30	59.36	m i ke	EMSC
OrigID 51204036																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	51204010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	56.41		P	13:36:44.707	0.1	36.6		7.35		TAS		8.6	0.78	m_e mb	4.8
CLL	56.43		P	13:36:44.624	0.1	36.6		7.35		TAS		24.1	1.36	m_e mb	5.0
FLT1	56.30		P	13:36:43.418	-0.0	36.6		7.35		TAS		10.4	0.88	m_e mb	4.9
GEC2	58.11		P	13:36:57.112		36.6		7.35		TAS		11.3	0.95	m_e mb	4.9
GRA1	58.41		P	13:36:59.294		36.6		7.35		TAS		7.6	0.63	m_e mb	4.9
GUNZ	57.44		P	13:36:52.450		36.6		7.35		TAS		8.6	0.82	m_e mb	4.8
MOX	57.50		P	13:36:52.616		36.6		7.35		TAS		14.3	0.71	m_e mb	5.1
NEUB	57.00		P	13:36:48.537	-0.1	36.6		7.35		TAS		14.4	0.64	m_e mb	5.2
PLN	57.41		P	13:36:52.117		36.6		7.35		TAS		14.4	0.72	m_e mb	5.1
RJOB	59.36		P	13:37:06.353		36.6		7.35		TAS		10.8	0.96	m_e mb	4.8
ROTZ	57.97		P	13:36:56.065		36.6		7.35		TAS		1.7	0.70	m_e mb	4.2
TANN	57.35		P	13:36:51.515	0.1	36.6		7.35		TAS		4.6	0.73	m_e mb	4.6
UBBA	57.97		P	13:36:55.701		36.6		7.35		TAS		22.5	1.60	m_e mb	4.9
WERD	57.39		P	13:36:51.867	-0.1	36.6		7.35		TAS		7.2	0.84	m_e mb	4.7
WERN	57.49		P	13:36:52.783		36.6		7.35		TAS		9.7	0.74	m_e mb	4.9
WET	58.20		P	13:36:57.944		36.6		7.35		TAS		17.6	1.06	m_e mb	5.0

Event 51204005 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/04	19:23:14.80			29.0200	52.1300				10.0			29		33.67	40.33	m i ke	EMSC
OrigID 51204037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51204011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	39.97		P	19:30:50.243		108.3		9.46		TAS		20.7	0.92	m_e mb	4.8

ARSA	33.67	P	19:29:55.650	0.5	108.3	9.46	TAS									m_e
ASSE	38.31	P	19:30:35.218	-0.3	108.3	9.46	TAS	9.3	0.80	m_e	mb					4.6
BRG	35.95	P	19:30:14.605	0.4	108.3	9.46	TAS	13.8	0.70	m_e	mb					4.9
BUG	40.10	P	19:30:50.335		108.3	9.46	TAS	16.0	1.05	m_e	mb					4.6
CLL	36.66	P	19:30:20.926	-0.5	108.3	9.46	TAS	24.8	1.00	m_e	mb					4.9
CLZ	38.39	P	19:30:36.089	-1.0	108.3	9.46	TAS	56.6	0.80	m_e	mb					5.3
FLT1	38.06	P	19:30:33.111	0.7	108.3	9.46	TAS	34.1	0.96	m_e	mb					5.0
GEC2	35.36	P	19:30:09.614	-0.0	108.3	9.46	TAS	7.3	0.85	m_e	mb					4.6
GRA1	37.17	P	19:30:25.232	0.1	108.3	9.46	TAS	43.8	1.29	m_e	mb					5.0
GTTG	38.53	P	19:30:37.325		108.3	9.46	TAS	49.3	1.41	m_e	mb					4.9
IBBN	40.06	P	19:30:50.609		108.3	9.46	TAS	37.2	0.72	m_e	mb					5.1
MOA	34.67	P	19:30:03.621	-0.2	108.3	9.46	TAS									m_e
MOX	37.24	P	19:30:26.274	0.0	108.3	9.46	TAS	24.2	1.50	m_e	mb					4.7
NEUB	37.34	P	19:30:26.423	0.2	108.3	9.46	TAS	23.4	0.84	m_e	mb					4.9
NRDL	38.77	P	19:30:39.799		108.3	9.46	TAS	55.9	0.87	m_e	mb					5.2
OBKA	34.07	P	19:29:59.307	1.2	108.3	9.46	TAS									m_e
PLN	36.86	P	19:30:22.484	-0.6	108.3	9.46	TAS	4.9	0.92	m_e	mb					4.2
RETH	39.28	P	19:30:44.105		108.3	9.46	TAS	26.5	0.92	m_e	mb					4.9
RJOB	35.58	P	19:30:11.382	-0.8	108.3	9.46	TAS	20.6	0.74	m_e	mb					5.0
ROTZ	36.59	P	19:30:20.376	-0.2	108.3	9.46	TAS	3.7	0.83	m_e	mb					4.1
RUE	36.68	P	19:30:21.109	0.1	108.3	9.46	TAS	31.8	0.62	m_e	mb					5.2
UBBA	38.27	P	19:30:34.984	0.4	108.3	9.46	TAS	64.8	1.88	m_e	mb					5.0
UBR	37.31	P	19:30:25.782	0.0	108.3	9.46	TAS	37.8	1.15	m_e	mb					5.0
WERD	36.76	P	19:30:21.567	-0.1	108.3	9.46	TAS	16.2	1.11	m_e	mb					4.7
WERN	36.66	P	19:30:21.339	-0.5	108.3	9.46	TAS	12.4	1.15	m_e	mb					4.5
WET	35.97	P	19:30:14.421	-0.5	108.3	9.46	TAS	11.2	1.17	m_e	mb					4.6
WLF	40.33	P	19:30:51.251		108.3	9.46	TAS	20.0	1.02	m_e	mb					4.7
WTTA	36.20	P	19:30:16.749	-0.2	108.3	9.46	TAS									m_e

Event 51204006 Southeast Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/04	22:24:54.50			-47.7900	85.2200				10.0			13		114.04	119.54	m i ke	EMSC
51204038																	

Magnitude Err Nsta Author OrigID
Ms 6.5 BGR 51204012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	116.61		SP	22:54:26.810		133.7		8.69		TAS					a_e
BFO	116.61		PKPdf	22:43:36.945	-0.1	138.0		1.78		TAS					m_e
BRG	115.73		SP	22:54:20.160	0.4	133.7		8.69		TAS					a_e
BRG	115.73		PKPdf	22:43:35.737	0.5	138.0		1.78		TAS					m_e
BSEG	119.45		SP	22:54:50.810		133.7		8.69		TAS					a_e
BUG	119.20		SP	22:54:49.660		133.7		8.69		TAS					a_e
BUG	119.20		PKPdf	22:43:41.749		138.0		1.78		TAS					m_e

CLL	116.46	SP	22:54:26.160	133.7	8.69	TAS	a_e
CLL	116.46	PKPdf	22:43:37.366	-0.1 138.0	1.78	TAS	m_e
CLZ	118.02	SP	22:54:39.060	133.7	8.69	TAS	a_e
CLZ	118.02	PKPdf	22:43:39.832	138.0	1.78	TAS	m_e
CLZ	118.02	PP	22:44:55.269	142.2	6.74	TAS	m_e
FBE	116.03	PKPdf	22:43:36.990	-0.4 138.0	1.78	TAS	m_e
FLT1	117.96	PKPdf	22:43:39.590	138.0	1.78	TAS	m_e
GEC2	114.40	SP	22:54:06.160	0.4 133.7	8.69	TAS	a_e
GRA1	116.15	SP	22:54:22.710	-0.2 133.7	8.69	TAS	a_e
GRA1	116.15	PKPdf	22:43:35.402	0.3 138.0	1.78	TAS	m_e
GRA1	116.15	L	23:43:13.392			T__	14197.6 20.10 a_e Ms 6.6
GTTG	118.01	PKPdf	22:43:39.445	138.0	1.78	TAS	m_e
GUNZ	116.11	PP	22:44:42.703	0.3 142.2	6.74	TAS	m_e
IBBN	119.54	PKPdf	22:43:43.466	138.0	1.78	TAS	m_e
MOX	116.63	SP	22:54:28.060	133.7	8.69	TAS	a_e
MOX	116.63	PKPdf	22:43:37.653	0.9 138.0	1.78	TAS	m_e
MOX	116.63	PP	22:44:48.673	142.2	6.74	TAS	m_e
MOX	116.63	L	23:43:42.585			T__	11673.7 21.80 a_e Ms 6.5
NEUB	116.94	PKPdf	22:43:38.384	138.0	1.78	TAS	m_e
NEUB	116.94	PP	22:44:50.009	142.2	6.74	TAS	m_e
NRDL	118.58	SP	22:54:43.960	133.7	8.69	TAS	a_e
NRDL	118.58	PKPdf	22:43:40.536	138.0	1.78	TAS	m_e
PLN	116.27	PKPdf	22:43:36.391	-0.4 138.0	1.78	TAS	m_e
PLN	116.27	PP	22:44:44.924	142.2	6.74	TAS	m_e
RETH	119.08	PP	22:45:04.148	142.2	6.74	TAS	m_e
RJOB	114.04	PKPdf	22:43:32.857	0.2 138.0	1.78	TAS	m_e
ROTZ	115.75	PP	22:44:40.796	1.8 142.2	6.74	TAS	m_e
RUE	116.93	PP	22:44:51.462	142.2	6.74	TAS	m_e
STU	116.49	SP	22:54:25.910	133.7	8.69	TAS	a_e
UBBA	117.50	SP	22:54:35.360	133.7	8.69	TAS	m_e
WERD	116.18	PP	22:44:44.519	142.2	6.74	TAS	m_e
WERN	116.03	PKPdf	22:43:36.897	0.1 138.0	1.78	TAS	m_e
WERN	116.03	PP	22:44:41.605	0.6 142.2	6.74	TAS	m_e
WET	115.00	SP	22:54:13.310	0.7 133.7	8.69	TAS	a_e
WET	115.00	PKPdf	22:43:34.660	-0.3 138.0	1.78	TAS	m_e

Event 51205001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/05	05:56:18.59			49.2910	153.5000				33.0			18		73.80	78.35	m i ke	BGR
51205007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51205007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	76.47	P	06:08:03.203		24.3	5.71	TAS	23.2	1.11	m_e mb	5.2
BFO	78.21	P	06:08:12.598		24.3	5.71	TAS	18.1	1.11	m_e mb	5.1
BRG	74.39	P	06:07:51.002	-0.3	24.3	5.71	TAS	9.1	0.96	m_e mb	4.8
BUG	75.59	P	06:07:58.048	0.4	24.3	5.71	TAS	38.2	1.15	m_e mb	5.4
CLL	74.26	P	06:07:49.931	0.6	24.3	5.71	TAS	23.9	0.84	m_e mb	5.3
CLZ	74.46	P	06:07:51.197	0.3	24.3	5.71	TAS	14.0	0.76	m_e mb	5.1
FBE	74.51	P	06:07:51.799	-0.2	24.3	5.71	TAS	15.4	0.84	m_e mb	5.1
FLT1	73.80	P	06:07:47.365	0.1	24.3	5.71	TAS	13.5	0.92	m_e mb	5.0
GEC2	76.29	P	06:08:01.763		24.3	5.71	TAS	7.5	0.87	m_e mb	4.8
GRA1	76.21	P	06:08:02.066		24.3	5.71	TAS	28.6	0.61	m_e mb	5.6
GUNZ	75.30	P	06:07:56.534		24.3	5.71	TAS	13.2	0.80	m_e mb	5.0
MOX	75.23	P	06:07:56.004	-0.3	24.3	5.71	TAS	11.9	0.77	m_e mb	5.0
NEUB	74.69	P	06:07:52.821		24.3	5.71	TAS	27.8	1.30	m_e mb	5.1
PLN	75.23	P	06:07:56.004		24.3	5.71	TAS	17.7	1.23	m_e mb	5.0
RJOB	77.55	P	06:08:08.727		24.3	5.71	TAS	9.8	0.90	m_e mb	4.9
ROTZ	75.87	P	06:08:00.020		24.3	5.71	TAS	3.0	0.94	m_e mb	4.4
STU	77.58	P	06:08:09.038		24.3	5.71	TAS			m_e	
TNS	76.43	P	06:08:02.975		24.3	5.71	TAS	21.5	0.77	m_e mb	5.3
UBR	78.35	P	06:08:13.457		24.3	5.71	TAS	74.0	1.87	m_e mb	5.5
WERN	75.35	P	06:07:56.913		24.3	5.71	TAS	17.9	0.70	m_e mb	5.2
WET	76.25	P	06:08:02.217		24.3	5.71	TAS	18.1	1.04	m_e mb	5.1

Event 51205004 Northern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/05	22:59:38.40			44.6100	85.6900				33.0			13		46.42	50.57	m i ke	BGR
OrigID 51205010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51205010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	46.90	P		23:08:05.908	-0.3	66.3		7.73		TAS		27.6	1.68	m_e mb	5.1
BUG	50.54	P		23:08:33.516		66.3		7.73		TAS		15.8	0.97	m_e mb	4.9
CLL	47.29	P		23:08:08.712	0.0	66.3		7.73		TAS		24.8	1.01	m_e mb	5.3
GRA1	48.97	P		23:08:22.531		66.3		7.73		TAS		37.3	1.24	m_e mb	5.3
GTTG	48.96	P		23:08:22.620		66.3		7.73		TAS		41.4	1.00	m_e mb	5.4
GUNZ	48.05	P		23:08:14.913	-0.3	66.3		7.73		TAS		14.0	1.03	m_e mb	5.0
MOX	48.36	P		23:08:17.305		66.3		7.73		TAS		16.2	1.19	m_e mb	5.0
NEUB	48.05	P		23:08:14.736	-0.1	66.3		7.73		TAS		34.5	1.14	m_e mb	5.4
ROTZ	48.36	P		23:08:17.262		66.3		7.73		TAS		10.0	1.81	m_e mb	4.6
RUE	46.42	P		23:08:02.094	-0.2	66.3		7.73		TAS		28.1	0.98	m_e mb	5.3
STU	50.57	P		23:08:34.225		66.3		7.73		TAS		49.9	1.34	m_e mb	5.3
TANN	47.95	P		23:08:14.293	0.5	66.3		7.73		TAS		8.2	0.93	m_e mb	4.8
UBR	50.50	P		23:08:33.339		66.3		7.73		TAS		31.2	1.08	m_e mb	5.2
WET	48.21	P		23:08:16.153		66.3		7.73		TAS		10.2	1.10	m_e mb	4.9

Event 51206002 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/06	03:21:40.99	0.94	0.98	42.2150	15.2460	21.1	12.2	45	10.0				13 322	4.32	9.29	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	51206008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.04		Pn	03:22:55.333	-0.1					T__				m_e ML	4.3
BFO	7.82		Sn	03:24:54.839	-1.2					T__				m_e	
BFO	7.82		Pn	03:23:32.082	-1.5					T__				m_e ML	4.4
DAVA	6.35		Pn	03:23:14.374	1.0					T__				m_e ML	4.8
GEC2	6.72		Sn	03:24:29.446	-0.4					T__				m_e	
GEC2	6.72		Pn	03:23:17.961	-0.5					T__				m_e ML	4.5
KBA	5.05		Pn	03:22:56.148	0.6					T__				m_e	
MOA	5.68		Pn	03:23:04.414	0.2					T__				m_e ML	4.3
NORI	7.27		Sn	03:24:42.966	0.0					T__				m_e ML	4.3
OBER	6.27		Sn	03:24:19.759	0.5					T__				m_e	
OBER	6.27		Pn	03:23:13.437	1.1					T__				m_e ML	4.5
OBKA	4.32		Pn	03:22:45.915	0.3					T__				m_e ML	4.9
TNS	9.29		Sn	03:25:29.440	-1.5					T__				m_e	
UBR	6.57		Pn	03:23:16.436	0.0					T__				m_e ML	4.9
WET	7.13		Pn	03:23:22.893	-1.2					T__				m_e ML	4.3
WTTA	5.66		Sn	03:24:07.174	2.4					T__				m_e	
WTTA	5.66		Pn	03:23:04.182	0.2					T__				m_e ML	4.6

Event 51206003 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/06	05:28:12.43	0.93	1.21	42.1960	15.3840	26.7	14.5	43	10.0				15 322	4.35	9.35	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		BGR	51206009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.06		Pn	05:29:27.537	0.5					T__				m_e ML	4.0
BFO	7.90		Sn	05:31:27.449	-1.8					T__				m_e	
BFO	7.90		Pn	05:30:04.759	-1.3					T__				m_e ML	4.3
DAVA	6.42		Sn	05:30:55.659	1.4					T__				m_e	

DAVA	6.42	Pn	05:29:47.260	1.4	T__	m_e ML	4.7
GEC2	6.75	Pn	05:29:49.767	-0.6	T__	m_e	
KBA	5.09	Pn	05:29:28.442	0.8	T__	m_e ML	4.2
MOA	5.71	Pn	05:29:36.778	0.7	T__	m_e ML	4.0
MOX	8.84	Sn	05:31:51.424	-0.3	T__	m_e	
MOX	8.84	Pn	05:30:18.040	-1.0	T__	m_e ML	4.3
NORI	7.33	Sn	05:31:15.322	-0.5	T__	m_e ML	4.3
OBER	6.34	Pn	05:29:45.573	0.8	T__	m_e ML	4.4
OBKA	4.35	Pn	05:29:17.846	0.4	T__	m_e ML	4.7
TNS	9.35	Sn	05:32:02.286	-1.6	T__	m_e	
TNS	9.35	Pn	05:30:24.590	-1.5	T__	m_e	
UBR	6.64	Pn	05:29:48.717	-0.1	T__	m_e ML	4.9
WET	7.17	Pn	05:29:54.945	-1.1	T__	m_e	
WTTA	5.73	Pn	05:29:37.192	0.9	T__	m_e ML	4.7
ZUGS	6.09	Sn	05:30:49.061	2.8	T__	m_e ML	4.5

Event 51206004 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/06	16:24:37.30	0.87	1.28	42.4270	15.3240	24.5	12.2	96	5.0				7 325	4.12	8.50	m i ke	INGV
51206094																	

Magnitude Err Nsta Author OrigID
 ML 4.7 BGR 51206010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.83		Sg	16:27:25.853	0.1					T__				m_e	
ARSA	4.83		Pn	16:25:52.334	-0.7					T__				m_e ML	4.3
DAVA	6.21		Sn	16:27:20.253	-1.7					T__				m_e	
DAVA	6.21		Pn	16:26:12.272	2.2					T__				m_e ML	5.0
KBA	4.86		Pn	16:25:53.125	0.1					T__				m_e	
MILB	8.50		Pn	16:26:41.237	-1.0					T__				m_e ML	4.9
MOA	5.47		Sn	16:27:04.984	-2.7					T__				m_e	
MOA	5.47		Sg	16:27:47.023	1.3					T__				m_e	
MOA	5.47		Pn	16:26:01.878	0.1					T__				m_e ML	4.4
OBKA	4.12		Sg	16:27:04.449	1.0					T__				m_e	
OBKA	4.12		Pn	16:25:42.898	-0.3					T__				m_e ML	4.7
WTTA	5.50		Sn	16:27:06.883	0.3					T__				m_e	
WTTA	5.50		Pn	16:26:02.469	1.3					T__				m_e ML	4.7

Event 51206005 Fiji Islands region

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

2015/12/06 17:09:29.25
51206011

-18.4800 -178.1700

552.4 5.5

35

144.01 150.10 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	
AHRW	147.74		PKPbc	17:28:11.474	0.0	15.9		2.76		TAS					m_e	
ASSE	145.71		PKPbc	17:28:05.680	-0.1	15.9		2.76		TAS					m_e	
BFO	149.76		PKPbc	17:28:16.521		15.9		2.76		TAS					m_e	
BFO	149.76		pPKPbc	17:30:24.457		14.1		3.09		TAS					m_e	
BRG	146.27		PKPbc	17:28:07.372	0.2	15.9		2.76		TAS					m_e	
BSEG	144.01		PKPbc	17:28:00.206	-0.5	15.9		2.76		TAS					m_e	
BUG	146.83		PKPbc	17:28:08.750	0.2	15.9		2.76		TAS					m_e	
CLL	146.07		PKPbc	17:28:06.682	-0.1	15.9		2.76		TAS					m_e	
CLZ	146.03		PKPbc	17:28:06.933	0.1	15.9		2.76		TAS					m_e	
FBE	146.36		PKPbc	17:28:08.124	-0.3	15.9		2.76		TAS					m_e	
FLT1	145.42		PKPbc	17:28:04.489	0.1	15.9		2.76		TAS					m_e	
FUR	149.41		PKPbc	17:28:15.832	-0.7	15.9		2.76		TAS					m_e	
GEC2	148.22		PKPbc	17:28:12.761	-0.2	15.9		2.76		TAS					m_e	
GRA1	147.96		PKPbc	17:28:12.322	-0.1	15.9		2.76		TAS					m_e	
GRA1	147.96		pPKPbc	17:30:19.483		14.1		3.09		TAS					m_e	
GTTG	146.38		PKPbc	17:28:07.873	0.2	15.9		2.76		TAS					m_e	
GUNZ	147.10		PKPbc	17:28:10.066	0.2	15.9		2.76		TAS					m_e	
IBBN	145.92		PKPbc	17:28:06.544	0.1	15.9		2.76		TAS					m_e	
KAST	146.93		PKPbc	17:28:09.377	0.3	15.9		2.76		TAS					m_e	
MILB	148.16		PKPbc	17:28:12.761	-0.1	15.9		2.76		TAS					m_e	
MILB	148.16		pPKPbc	17:30:19.565		14.1		3.09		TAS					m_e	
MOX	146.97		PKPbc	17:28:09.440	0.3	15.9		2.76		TAS					m_e	
NEUB	146.42		PKPbc	17:28:07.873	0.2	15.9		2.76		TAS					m_e	
NRDL	145.44		PKPbc	17:28:04.802	0.3	15.9		2.76		TAS					m_e	
PLN	147.02		PKPbc	17:28:09.565	0.4	15.9		2.76		TAS					m_e	
PLN	147.02		pPKPbc	17:30:16.280		14.1		3.09		TAS					m_e	
RJOB	149.47		PKPbc	17:28:15.581		15.9		2.76		TAS					m_e	
ROTZ	147.69		PKPbc	17:28:11.445	0.3	15.9		2.76		TAS					m_e	
ROTZ	147.69		pPKPbc	17:30:18.341		14.1		3.09		TAS					m_e	
RUE	144.80		PKPbc	17:28:02.797	-0.2	15.9		2.76		TAS					m_e	
STU	149.20		PKPbc	17:28:15.330	-0.4	15.9		2.76		TAS					m_e	
TANN	147.03		PKPbc	17:28:09.690	-0.0	15.9		2.76		TAS					m_e	
TANN	147.03		pPKPbc	17:30:15.863		14.1		3.09		TAS					m_e	
TNS	147.89		PKPbc	17:28:12.009	0.2	15.9		2.76		TAS					m_e	
UBBA	147.09		PKPbc	17:28:09.538	-0.0	15.9		2.76		TAS					m_e	
UBR	150.10		PKPbc	17:28:17.211		15.9		2.76		TAS					m_e	
WERD	147.03		PKPbc	17:28:09.690	0.5	15.9		2.76		TAS					m_e	
WERD	147.03		pPKPbc	17:30:16.509		14.1		3.09		TAS					m_e	
WERN	147.16		PKPbc	17:28:10.317	0.2	15.9		2.76		TAS					m_e	
WERN	147.16		pPKPbc	17:30:16.984		14.1		3.09		TAS					m_e	
WET	148.13		PKPbc	17:28:12.573	0.4	15.9		2.76		TAS					m_e	
WIMM	146.15		PKPbc	17:28:07.121	0.5	15.9		2.76		TAS					m_e	
WLF	148.70		PKPbc	17:28:14.641	-0.8	15.9		2.76		TAS					m_e	

WLF 148.70 pPKPbc 17:30:21.381 14.1 3.09 TAS m_e

Event 51206006 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2015/12/06 18:57:36.60 -19.6300 -178.1700 616.0 20 147.16 151.30 m i ke EMSC
51206038

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include stations like BFO, BRG, CLL, CLZ, FBE, FUR, GEC2, GTTG, GUNZ, MOX, NEUB, PLN, ROTZ, STU, TANN, TNS, UBR, WERD, WLF, WTTA.

Event 51206007 Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2015/12/06 19:12:14.25 44.5000 147.5000 33.0 31 75.35 81.27 m i ke BGR
51206013

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 51206013

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Row includes station BFO.

BRG	76.82	P	19:24:02.901	-0.4	30.3	5.52	TAS	20.6	1.41	m_e	mb	5.1
BSEG	75.35	P	19:23:54.866	0.3	30.3	5.52	TAS	38.3	0.95	m_e	mb	5.4
BUG	78.43	P	19:24:11.767	0.1	30.3	5.52	TAS	52.5	2.00	m_e	mb	5.3
CLL	76.77	P	19:24:02.317	0.2	30.3	5.52	TAS	35.7	1.13	m_e	mb	5.4
CLZ	77.15	P	19:24:05.240	0.3	30.3	5.52	TAS	25.6	1.04	m_e	mb	5.3
DAVA	81.27	P	19:24:27.038		30.3	5.52	TAS	8.4	0.75	m_e	mb	4.8
FBE	76.98	P	19:24:03.875	0.2	30.3	5.52	TAS	18.3	1.02	m_e	mb	5.2
FLT1	76.46	P	19:24:00.427	-0.4	30.3	5.52	TAS	38.8	0.98	m_e	mb	5.5
FUR	80.04	P	19:24:20.731		30.3	5.52	TAS	18.9	0.79	m_e	mb	5.1
GEC2	78.63	P	19:24:12.742	-0.0	30.3	5.52	TAS	6.1	0.73	m_e	mb	4.7
GRA1	78.74	P	19:24:13.521	-0.4	30.3	5.52	TAS	20.7	0.78	m_e	mb	5.2
GTTG	77.53	P	19:24:07.091	0.1	30.3	5.52	TAS	36.4	1.11	m_e	mb	5.4
GUNZ	77.80	P	19:24:08.299	0.4	30.3	5.52	TAS	7.1	0.67	m_e	mb	4.9
IBBN	77.53	P	19:24:06.798	-0.4	30.3	5.52	TAS	23.6	0.93	m_e	mb	5.3
KBA	80.26	P	19:24:22.152		30.3	5.52	TAS	12.2	0.77	m_e	mb	4.9
MOX	77.79	P	19:24:07.771	-0.0	30.3	5.52	TAS	16.8	1.38	m_e	mb	5.0
NEUB	77.26	P	19:24:04.850	0.2	30.3	5.52	TAS	24.3	0.96	m_e	mb	5.3
NRDL	76.66	P	19:24:01.342	-0.2	30.3	5.52	TAS	32.6	1.29	m_e	mb	5.3
OBKA	80.31	P	19:24:21.533		30.3	5.52	TAS	6.8	0.75	m_e	mb	4.7
PLN	77.75	P	19:24:08.162	0.1	30.3	5.52	TAS	13.0	1.22	m_e	mb	4.9
RETH	76.68	P	19:24:01.613	0.1	30.3	5.52	TAS	29.8	1.15	m_e	mb	5.3
RJOB	79.89	P	19:24:20.146		30.3	5.52	TAS	9.8	0.93	m_e	mb	4.7
ROTZ	78.35	P	19:24:11.085	0.4	30.3	5.52	TAS	2.4	1.16	m_e	mb	4.2
RUE	75.52	P	19:23:55.926	-0.4	30.3	5.52	TAS	50.6	1.15	m_e	mb	5.5
STU	80.20	P	19:24:21.442		30.3	5.52	TAS	23.3	0.55	m_e	mb	5.3
TNS	79.16	P	19:24:15.177	0.7	30.3	5.52	TAS	23.7	1.45	m_e	mb	5.0
WERN	77.85	P	19:24:08.552	0.1	30.3	5.52	TAS	9.6	0.63	m_e	mb	5.1
WET	78.66	P	19:24:13.326	0.4	30.3	5.52	TAS	7.8	0.73	m_e	mb	4.8
WLF	80.34	P	19:24:22.875		30.3	5.52	TAS	17.2	1.28	m_e	mb	4.8
WTTA	80.70	P	19:24:24.146		30.3	5.52	TAS	12.8	0.82	m_e	mb	5.0

Event 51206008 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/06	21:56:56.40			-17.9000	172.7900				30.0			7		144.98	147.11	m i ke	EMSC
	51206040																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.11		PKPbc	22:16:36.428		30.4		2.95		TAS				m_e	
FUR	146.26		PKPbc	22:16:34.725		30.4		2.95		TAS				m_e	
GRA1	144.98		PKPbc	22:16:30.250		30.4		2.95		TAS				m_e	
RJOB	146.03		PKPbc	22:16:33.483		30.4		2.95		TAS				m_e	
STU	146.45		PKPbc	22:16:35.212		30.4		2.95		TAS				m_e	
TNS	145.39		PKPbc	22:16:31.375		30.4		2.95		TAS				m_e	

UBR 147.08 PKPbc 22:16:36.245 30.4 2.95 TAS m_e

Event 51206009 Tonga Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2015/12/06 23:17:58.34 -19.1200 -175.3100 226.1 0.3 16 146.43 151.17 m i ke BGR
51206015

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include stations like BFO, BRG, CLL, CLZ, FBE, FLT1, FUR, GEC2, GUNZ, GUNZ, MULD, NRDL, RJOB, ROTZ, TRIB, TRIB, UBR, WLF.

Event 51207002 Kermadec Islands, New Zealand

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2015/12/07 01:47:03.70 -30.3300 -177.4700 10.0 34 154.58 161.72 m i ke EMSC
51207034

Magnitude Err Nsta Author OrigID
Ms 5.1 BGR 51207008

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include stations AHRW, ASSE, BFO.

BRG	157.78	PKPab	02:07:32.854	-0.3	19.3	4.35	TAS	a_e										
BSEG	155.75	PKPab	02:07:24.057	0.1	19.3	4.35	TAS	m_e										
BUG	158.62	PKPab	02:07:36.428	-0.3	19.3	4.35	TAS	m_e										
CLL	157.64	PKPab	02:07:31.954	-0.4	19.3	4.35	TAS	a_e										
CLZ	157.74	PKPab	02:07:32.854	0.3	19.3	4.35	TAS	a_e										
FBE	157.90	PKPab	02:07:33.654	0.1	19.3	4.35	TAS	a_e										
FLT1	157.10	PKPab	02:07:29.404	-0.4	19.3	4.35	TAS	a_e										
FUR	160.97	PKPab	02:07:47.154	0.2	19.3	4.35	TAS	a_e										
GEC2	159.64	PKPab	02:07:41.283	-0.4	19.3	4.35	TAS	m_e										
GRA1	159.57	PKPab	02:07:40.685	0.0	19.3	4.35	TAS	m_e										
GRA1	159.57	L	03:17:26.392				T__		271.8	21.10	a_e	Ms					5.1	
GTTG	158.10	PKPab	02:07:34.354	0.2	19.3	4.35	TAS	a_e										
GUNZ	158.68	PKPab	02:07:37.054	0.2	19.3	4.35	TAS	a_e										
IBBN	157.71	PKPab	02:07:32.704	-0.1	19.3	4.35	TAS	a_e										
MOX	158.59	PKPab	02:07:36.354	-0.0	19.3	4.35	TAS	m_e										
MOX	158.59	L	03:18:08.577				T__		303.1	20.40	a_e	Ms					5.1	
NEUB	158.05	PKPab	02:07:33.854	-0.1	19.3	4.35	TAS	a_e										
NRDL	157.16	PKPab	02:07:30.131	0.0	19.3	4.35	TAS	m_e										
PLN	158.61	PKPab	02:07:36.554	0.0	19.3	4.35	TAS	a_e										
RETH	157.06	PKPab	02:07:29.704	-0.0	19.3	4.35	TAS	a_e										
RGN	154.58	PKPab	02:07:19.254	0.4	19.3	4.35	TAS	a_e										
RJOB	160.91	PKPab	02:07:47.054	-0.1	19.3	4.35	TAS	a_e										
ROTZ	159.25	PKPab	02:07:39.804	0.4	19.3	4.35	TAS	a_e										
RUE	156.38	PKPab	02:07:26.704	-0.2	19.3	4.35	TAS	a_e										
STU	160.89	PKPab	02:07:46.354	0.0	19.3	4.35	TAS	a_e										
TANN	158.59	PKPab	02:07:36.654	0.1	19.3	4.35	TAS	a_e										
TNS	159.64	PKPab	02:07:40.954	0.0	19.3	4.35	TAS	a_e										
UBBA	158.78	PKPab	02:07:37.001	-0.1	19.3	4.35	TAS	m_e										
UBR	161.72	PKPab	02:07:50.154	0.1	19.3	4.35	TAS	a_e										
WERD	158.61	PKPab	02:07:36.654	0.1	19.3	4.35	TAS	a_e										
WERN	158.73	PKPab	02:07:37.404	0.3	19.3	4.35	TAS	a_e										
WET	159.63	PKPab	02:07:41.404	0.1	19.3	4.35	TAS	a_e										
WLF	160.49	PKPab	02:07:45.166	0.1	19.3	4.35	TAS	m_e										

Event 51207003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	02:54:41.74			-17.6200	-174.4500				21.1	1.0		30		145.02	149.79	m i ke	BGR
	51207009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.13		PKPbc	03:14:23.033	0.4	9.2		2.91		TAS				m_e	
ASSE	145.33		PKPbc	03:14:17.095	0.3	9.2		2.91		TAS				a_e	
ASSE	145.33		pPKPbc	03:14:23.124	0.2					T__				m_e	

BFO	149.29	PKPbc	03:14:28.495		9.2	2.91	TAS	a_e
BRG	146.15	PKPbc	03:14:19.845	0.1	9.2	2.91	TAS	a_e
BRG	146.15	pPKPbc	03:14:26.331	0.2			T__	m_e
BUG	146.23	PKPbc	03:14:19.895	0.5	9.2	2.91	TAS	a_e
CLL	145.87	PKPbc	03:14:18.545	-0.0	9.2	2.91	TAS	m_e
CLL	145.87	pPKPbc	03:14:24.992	0.2			T__	m_e
CLZ	145.64	PKPbc	03:14:18.295	-0.2	9.2	2.91	TAS	a_e
CLZ	145.64	pPKPbc	03:14:24.499	0.2			T__	m_e
FBE	146.20	PKPbc	03:14:20.245	0.3	9.2	2.91	TAS	a_e
FBE	146.20	pPKPbc	03:14:26.645	0.2			T__	m_e
FLT1	145.08	PKPbc	03:14:15.480	0.1	9.2	2.91	TAS	m_e
FUR	149.18	PKPbc	03:14:28.195		9.2	2.91	TAS	a_e
GEC2	148.16	PKPbc	03:14:25.864	-0.3	9.2	2.91	TAS	m_e
GRA1	147.68	PKPbc	03:14:24.580	0.4	9.2	2.91	TAS	m_e
GRA1	147.68	pPKPbc	03:14:30.709	-0.3			T__	m_e
GTTG	145.97	PKPbc	03:14:19.295	0.4	9.2	2.91	TAS	a_e
GTTG	145.97	pPKPbc	03:14:25.745	0.2			T__	m_e
GUNZ	146.88	PKPbc	03:14:22.357	0.5	9.2	2.91	TAS	m_e
IBBN	145.34	PKPbc	03:14:17.195	0.1	9.2	2.91	TAS	a_e
IBBN	145.34	pPKPbc	03:14:23.532	0.2			T__	m_e
MOX	146.70	PKPbc	03:14:21.330	0.4	9.2	2.91	TAS	m_e
MOX	146.70	pPKPbc	03:14:27.763	0.2			T__	m_e
NEUB	146.14	PKPbc	03:14:19.595	0.2	9.2	2.91	TAS	a_e
NEUB	146.14	pPKPbc	03:14:26.047	0.2			T__	m_e
NRDL	145.02	PKPbc	03:14:15.895	0.0	9.2	2.91	TAS	a_e
PLN	146.79	PKPbc	03:14:21.957	0.3	9.2	2.91	TAS	m_e
RJOB	149.38	PKPbc	03:14:28.545		9.2	2.91	TAS	a_e
ROTZ	147.49	PKPbc	03:14:23.647	-0.4	9.2	2.91	TAS	m_e
STU	148.79	PKPbc	03:14:27.737		9.2	2.91	TAS	m_e
STU	148.79	pPKPbc	03:14:33.791	0.2			T__	m_e
TANN	146.82	PKPbc	03:14:21.980	0.2	9.2	2.91	TAS	m_e
TNS	147.39	PKPbc	03:14:23.495	-0.7	9.2	2.91	TAS	a_e
UBBA	146.69	PKPbc	03:14:21.423	0.3	9.2	2.91	TAS	m_e
UBR	149.79	PKPbc	03:14:29.595		9.2	2.91	TAS	a_e
UBR	149.79	pPKPbc	03:14:35.909	0.2			T__	m_e
WERD	146.81	PKPbc	03:14:21.795	0.1	9.2	2.91	TAS	m_e
WERN	146.95	PKPbc	03:14:22.445	0.1	9.2	2.91	TAS	m_e
WET	148.00	PKPbc	03:14:25.495	-0.3	9.2	2.91	TAS	a_e
WLF	148.03	PKPbc	03:14:25.795	-0.6	9.2	2.91	TAS	a_e
WLF	148.03	pPKPbc	03:14:32.254	-0.3			T__	m_e

Event 51207004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	05:18:43.52			-16.4900	-173.2200				33.0			22		145.71	149.38	m i ke	BGR
51207010																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	148.49		PKPbc	05:38:26.655		8.2		2.83		TAS					m_e	
BFO	148.22		PKPbc	05:38:25.689		8.2		2.83		TAS					m_e	
DAVA	149.18		PKPbc	05:38:28.328		8.2		2.83		TAS					m_e	
FUR	148.20		PKPbc	05:38:26.269		8.2		2.83		TAS					m_e	
GEC2	147.24		PKPbc	05:38:22.794		8.2		2.83		TAS					m_e	
GRA1	146.69		PKPbc	05:38:21.571		8.2		2.83		TAS					m_e	
GUNZ	145.92		PKPbc	05:38:18.805	-0.3	8.2		2.83		TAS					m_e	
KBA	149.02		PKPbc	05:38:27.491		8.2		2.83		TAS					m_e	
MOA	148.12		PKPbc	05:38:25.561		8.2		2.83		TAS					m_e	
MOX	145.71		PKPbc	05:38:18.547	0.3	8.2		2.83		TAS					m_e	
OBKA	149.38		PKPbc	05:38:28.822		8.2		2.83		TAS					m_e	
PLN	145.81		PKPbc	05:38:18.805	-0.0	8.2		2.83		TAS					m_e	
RJOB	148.45		PKPbc	05:38:26.462		8.2		2.83		TAS					m_e	
ROTZ	146.52		PKPbc	05:38:20.735		8.2		2.83		TAS					m_e	
TANN	145.85		PKPbc	05:38:18.933	-0.5	8.2		2.83		TAS					m_e	
TNS	146.33		PKPbc	05:38:19.770		8.2		2.83		TAS					m_e	
UBR	148.78		PKPbc	05:38:27.555		8.2		2.83		TAS					m_e	
WERD	145.84		PKPbc	05:38:18.910	0.1	8.2		2.83		TAS					m_e	
WERN	145.99		PKPbc	05:38:19.641		8.2		2.83		TAS					m_e	
WET	147.06		PKPbc	05:38:22.344		8.2		2.83		TAS					m_e	
WLF	146.91		PKPbc	05:38:22.279		8.2		2.83		TAS					m_e	
WTTA	149.05		PKPbc	05:38:28.070		8.2		2.83		TAS					m_e	

Event 51207001 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	07:50:06.93			38.6000	73.2400				22.2	2.4		9		42.69	47.90	m i ke	BGR
51207007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	51207007
MBB	7.0		BGR	51207007
Ms	7.4		BGR	51207007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	47.12		P	07:58:36.286	-0.2	81.2		7.96		TAS		817.2	1.13	a_e	MBB	7.2
ASSE	44.62		P	07:58:16.186	-0.3	81.2		7.96		TAS		1729.7	2.08	a_e	mb	6.6
ASSE	44.62		pP	07:58:21.487						T__					m_e	
BFO	46.81		S	08:05:26.331		81.3		13.87		TAS					m_e	
BFO	46.81		SS	08:08:56.969		80.5		17.94		TAS					m_e	
BFO	46.81		P	07:58:33.286	-0.3	81.2		7.96		TAS		419.7	1.08	a_e	MBB	7.2
BRG	42.76		S	08:04:30.183	-3.2	81.3		13.87		TAS					m_e	

BRG	42.76	SS	08:07:37.802	-1.2	80.5	17.94	TAS			m_e				
BRG	42.76	P	07:58:01.536	-0.3	81.2	7.96	TAS	973.4	1.16	a_e	MBB	6.8		
BSEG	44.61	S	08:04:55.484		81.3	13.87	TAS			m_e				
BSEG	44.61	P	07:58:16.586	0.7	81.2	7.96	TAS	1559.1	1.34	a_e	MBB	7.2		
BUG	46.82	S	08:05:25.056		81.3	13.87	TAS			m_e				
BUG	46.82	SS	08:08:54.454		80.5	17.94	TAS			m_e				
BUG	46.82	P	07:58:33.786	-0.3	81.2	7.96	TAS	1121.5	1.39	a_e	MBB	7.2		
CLL	43.30	S	08:04:38.703	2.8	81.3	13.87	TAS			m_e				
CLL	43.30	P	07:58:05.286	-0.8	81.2	7.96	TAS	727.6	1.14	a_e	MBB	6.8		
CLZ	44.85	S	08:04:57.007		81.3	13.87	TAS			m_e				
CLZ	44.85	P	07:58:18.336	-0.0	81.2	7.96	TAS	1406.0	1.60	a_e	MBB	7.1		
FBE	43.13	P	07:58:04.636	-0.1	81.2	7.96	TAS	1458.2	1.16	a_e	MBB	6.9		
FLT1	44.25	P	07:58:12.786	-0.8	81.2	7.96	TAS	1246.5	1.09	a_e	MBB	6.9		
FUR	44.92	S	08:05:00.516		81.3	13.87	TAS			m_e				
FUR	44.92	SS	08:08:18.112		80.5	17.94	TAS			m_e				
FUR	44.92	P	07:58:19.086	0.7	81.2	7.96	TAS	2081.2	1.21	a_e	MBB	7.3		
GEC2	43.21	S	08:04:31.783	1.4	81.3	13.87	TAS			m_e				
GEC2	43.21	SS	08:07:50.676	6.6	80.5	17.94	TAS			m_e				
GEC2	43.21	P	07:58:05.336	0.4	81.2	7.96	TAS	1119.6	1.51	a_e	MBB	6.8		
GRA1	44.67	S	08:04:58.539		81.3	13.87	TAS			m_e				
GRA1	44.67	SS	08:08:25.004		80.5	17.94	TAS			m_e				
GRA1	44.67	P	07:58:17.536	0.7	81.2	7.96	TAS	1807.0	1.29	a_e	MBB	7.2		
GRA1	44.67	pP	07:58:23.664				T__			m_e				
GRA1	44.67	L	08:19:09.426				T__	451513.0	18.10	a_e	Ms	7.4		
GTTG	45.14	P	07:58:20.786	0.0	81.2	7.96	TAS	1571.8	1.11	a_e	MBB	7.2		
GUNZ	43.85	P	07:58:10.336	-0.1	81.2	7.96	TAS	888.6	1.36	m_e	MBB	6.7		
HLG	46.00	P	07:58:27.536	0.8	81.2	7.96	TAS	2539.2	1.46	a_e	MBB	7.3		
IBBN	46.37	P	07:58:30.236	-0.1	81.2	7.96	TAS	2409.0	1.55	a_e	MBB	7.3		
MOX	44.26	S	08:04:49.053		81.3	13.87	TAS			m_e				
MOX	44.26	SS	08:08:16.834		80.5	17.94	TAS			m_e				
MOX	44.26	P	07:58:13.536	-0.2	81.2	7.96	TAS	778.7	1.19	a_e	MBB	6.8		
MOX	44.26	L	08:16:37.298				T__	392305.0	20.70	a_e	Ms	7.3		
NEUB	44.08	P	07:58:11.836	-0.4	81.2	7.96	TAS	1065.6	1.13	a_e	MBB	6.8		
NRDL	44.91	S	08:04:59.143		81.3	13.87	TAS			m_e				
NRDL	44.91	P	07:58:19.036	0.3	81.2	7.96	TAS	1721.5	1.36	a_e	MBB	7.2		
PLN	43.94	P	07:58:10.986	-0.2	81.2	7.96	TAS	780.6	1.38	a_e	MBB	6.8		
RETH	45.33	P	07:58:22.236	0.2	81.2	7.96	TAS	1041.6	1.40	a_e	MBB	7.1		
RETH	45.33	pP	07:58:28.612				T__			m_e				
RGN	42.80	P	07:58:01.936	0.7	81.2	7.96	TAS	5574.9	1.59	a_e	MBB	7.4		
RJOB	44.00	P	07:58:11.136	0.3	81.2	7.96	TAS	461.3	1.13	a_e	MBB	6.7		
ROTZ	44.02	P	07:58:12.136	0.4	81.2	7.96	TAS	258.7	1.51	a_e	MBB	6.2		
RUE	42.69	P	07:58:00.386	-0.7	81.2	7.96	TAS	1420.9	1.36	a_e	MBB	7.0		
STU	46.15	S	08:05:14.967		81.3	13.87	TAS			m_e				
STU	46.15	SS	08:08:42.519		80.5	17.94	TAS			m_e				
STU	46.15	P	07:58:28.536	0.1	81.2	7.96	TAS	1863.0	1.20	a_e	MBB	7.5		
TANN	43.76	P	07:58:09.586	-0.1	81.2	7.96	TAS	865.8	1.37	a_e	MBB	6.8		
TNS	46.33	P	07:58:29.986	-0.2	81.2	7.96	TAS	521.1	1.33	a_e	MBB	7.0		
UBBA	45.24	S	08:05:01.736		81.3	13.87	TAS			m_e				
UBBA	45.24	P	07:58:21.186	-0.3	81.2	7.96	TAS	1339.5	1.78	a_e	MBB	6.9		

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UBR	45.79	P	07:58:25.436	0.2	81.2	7.96	TAS	1444.9	1.25	a_e	MBB	7.2
WERD	43.85	P	07:58:10.236	-0.2	81.2	7.96	TAS	855.8	1.32	a_e	MBB	6.7
WERN	43.83	P	07:58:10.386	0.1	81.2	7.96	TAS	1423.0	1.89	a_e	MBB	6.6
WET	43.69	SS	08:08:04.432	-2.3	80.5	17.94	TAS			m_e		
WET	43.69	P	07:58:09.086	0.2	81.2	7.96	TAS	769.1	1.18	a_e	MBB	6.7
WLF	47.90	P	07:58:42.386	-0.2	81.2	7.96	TAS	840.8	1.01	a_e	MBB	7.2

Event 51207006 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	08:30:59.70			41.7500	74.7700				50.0			20		41.90	47.04	m i ke	EMSC
OrigID 51207038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51207012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	46.08	P		08:39:18.115		75.2		8.16		TAS		22.6	1.18	m_e	mb	5.1
BRG	41.90	P		08:38:44.704	0.4	75.2		8.16		TAS		18.2	0.87	m_e	mb	4.8
CLL	42.39	P		08:38:48.519	-0.1	75.2		8.16		TAS		31.7	1.10	m_e	mb	5.0
FBE	42.25	P		08:38:47.776	0.4	75.2		8.16		TAS		37.5	1.13	m_e	mb	5.0
FLT1	43.24	P		08:38:55.105	-0.1	75.2		8.16		TAS		26.0	1.10	m_e	mb	4.9
FUR	44.25	P		08:39:04.659		75.2		8.16		TAS		74.7	0.65	m_e	mb	5.6
GEC2	42.51	P		08:38:49.975		75.2		8.16		TAS		54.9	1.15	m_e	mb	5.2
GRA1	43.87	P		08:39:01.471		75.2		8.16		TAS		72.9	1.00	m_e	mb	5.4
GTTG	44.19	P		08:39:03.670	-0.3	75.2		8.16		TAS		69.1	1.12	m_e	mb	5.3
GUNZ	43.01	P		08:38:53.928		75.2		8.16		TAS		53.9	1.43	m_e	mb	5.1
IBBN	45.33	P		08:39:12.318	0.0	75.2		8.16		TAS		30.5	1.03	m_e	mb	5.2
MOX	43.39	P		08:38:56.721	-0.1	75.2		8.16		TAS		26.3	1.22	m_e	mb	4.8
NEUB	43.17	P		08:38:55.252	-0.5	75.2		8.16		TAS		29.9	0.80	m_e	mb	5.1
NRDL	43.89	P		08:39:01.601	0.0	75.2		8.16		TAS		484.9	2.59	m_e	mb	5.8
PLN	43.09	P		08:38:54.729	0.7	75.2		8.16		TAS		33.2	1.35	m_e	mb	4.9
STU	45.40	P		08:39:13.487		75.2		8.16		TAS		161.3	1.44	m_e	mb	5.8
TANN	42.92	P		08:38:53.002		75.2		8.16		TAS		21.1	1.14	m_e	mb	4.8
TNS	45.46	P		08:39:13.470		75.2		8.16		TAS		19.7	1.23	m_e	mb	4.9
UBR	45.14	P		08:39:10.916		75.2		8.16		TAS		85.9	1.20	m_e	mb	5.6
WET	42.96	P		08:38:53.989		75.2		8.16		TAS		61.3	1.66	m_e	mb	5.1
WLF	47.04	P		08:39:26.685		75.2		8.16		TAS		111.6	1.74	m_e	mb	5.7

Event 51207007 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	09:25:07.40			39.5870	72.2370				33.0					43.46	43.46	m i ke	BGR
OrigID																	

51207013

Magnitude Err Nsta Author OrigID
 mb 4.5 BGR 51207013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	43.46		P	09:33:06.496		86.5		6.84		TAS		9.8	0.90	m_e	mb 4.5

Event 51207008 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	10:04:51.50			38.5000	74.4300				33.0			30		43.55	48.71	m i ke	BGR

OrigID
51207014

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 51207014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.92		P	10:13:29.218		80.6		7.88		TAS		30.6	0.80	a_e	mb 5.5
BFO	47.64		P	10:13:25.976	-0.1	80.6		7.88		TAS		28.5	1.21	m_e	mb 5.3
BRG	43.57		P	10:12:54.418	0.5	80.6		7.88		TAS		36.5	1.17	a_e	mb 5.0
BSEG	45.37		P	10:13:09.268	0.7	80.6		7.88		TAS		35.0	0.72	a_e	mb 5.4
BUG	47.61		P	10:13:26.718	0.0	80.6		7.88		TAS		30.2	0.94	a_e	mb 5.4
CLL	44.10		P	10:12:58.168	0.0	80.6		7.88		TAS		27.1	1.00	a_e	mb 4.9
CLZ	45.64		P	10:13:11.068	0.3	80.6		7.88		TAS		40.8	1.40	a_e	mb 5.3
FBE	43.93		P	10:12:57.568	0.3	80.6		7.88		TAS		51.7	0.81	a_e	mb 5.3
FLT1	45.04		P	10:13:05.618	-0.3	80.6		7.88		TAS		48.7	0.79	m_e	mb 5.5
GEC2	44.04		P	10:12:58.518	-1.0	80.6		7.88		TAS		30.0	1.06	a_e	mb 5.0
GRA1	45.48		P	10:13:10.568	-0.2	80.6		7.88		TAS		38.1	0.77	a_e	mb 5.4
GTTG	45.94		P	10:13:13.668	-0.8	80.6		7.88		TAS		96.3	1.05	a_e	mb 5.8
GUNZ	44.66		P	10:13:03.268	-0.4	80.6		7.88		TAS		19.7	1.05	a_e	mb 5.0
HLG	46.76		P	10:13:20.218	0.1	80.6		7.88		TAS		153.5	1.02	a_e	mb 6.1
IBBN	47.15		P	10:13:22.968	-0.1	80.6		7.88		TAS		35.7	0.92	a_e	mb 5.5
MOX	45.07		P	10:13:06.418	0.7	80.6		7.88		TAS		31.4	1.12	a_e	mb 5.1
NEUB	44.88		P	10:13:04.668	-0.8	80.6		7.88		TAS		42.5	1.03	a_e	mb 5.3
NRDL	45.70		P	10:13:11.868	0.0	80.6		7.88		TAS		46.7	1.01	a_e	mb 5.5
PLN	44.75		P	10:13:03.818	1.4	80.6		7.88		TAS		14.7	0.84	a_e	mb 4.9
RGN	43.55		P	10:12:54.668	-0.3	80.6		7.88		TAS		109.4	0.84	a_e	mb 5.6
RJOB	44.84		P	10:13:05.520	1.5	80.6		7.88		TAS		26.4	1.42	m_e	mb 5.0
ROTZ	44.84		P	10:13:06.335	-0.6	80.6		7.88		TAS		10.7	1.69	m_e	mb 4.5
TANN	44.57		P	10:13:02.468	0.5	80.6		7.88		TAS		19.7	1.12	a_e	mb 4.9
TNS	47.14		P	10:13:23.184	-0.6	80.6		7.88		TAS		14.3	0.80	m_e	mb 5.2
UBBA	46.05		P	10:13:13.644	-0.1	80.6		7.88		TAS		10.3	0.92	m_e	mb 4.8
UBR	46.63		P	10:13:18.298	0.9	80.6		7.88		TAS		62.6	1.20	m_e	mb 5.6
WERD	44.66		P	10:13:03.118	-0.4	80.6		7.88		TAS		30.4	1.19	a_e	mb 5.1
WERN	44.65		P	10:13:03.894	-0.2	80.6		7.88		TAS		33.3	1.59	m_e	mb 5.0

WET	44.52	P	10:13:02.168	-0.3	80.6	7.88	TAS	24.3	0.94	a_e mb	5.1
WLF	48.71	P	10:13:35.418		80.6	7.88	TAS	33.3	0.94	a_e mb	5.3

Event 51207009 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	11:47:53.95			37.4850	74.1540				33.0			9		45.90	45.90	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	51207015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.90		P	11:56:12.542		86.2		6.75		TAS		18.6	1.05	m_e mb	5.0

Event 51207011 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	15:24:02.12			38.1510	73.2600				33.0			11		44.94	44.94	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	51207017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.94		P	15:32:13.063		85.0		7.00		TAS		8.1	0.85	m_e mb	4.7

Event 51207012 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	18:48:55.80			-29.4900	-178.7800				287.0			20		154.69	159.81	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
BRG	156.60		PKPbc	19:08:45.785	0.3	24.3		4.52		TAS				m_e	
BSEG	154.69		PKPbc	19:08:37.481	-0.2	24.3		4.52		TAS				m_e	
CLL	156.49		PKPbc	19:08:45.193	0.4	24.3		4.52		TAS				m_e	
CLZ	156.65		PKPbc	19:08:45.679	0.0	24.3		4.52		TAS				m_e	

FBE	156.73	PKPbc	19:08:46.708	0.2	24.3	4.52	TAS	m_e
FLT1	156.00	PKPbc	19:08:42.796	0.2	24.3	4.52	TAS	m_e
FUR	159.81	PKPbc	19:09:00.453		24.3	4.52	TAS	m_e
GEC2	158.44	PKPbc	19:08:54.102		24.3	4.52	TAS	m_e
GRA1	158.44	PKPbc	19:08:54.357		24.3	4.52	TAS	m_e
GTTG	157.02	PKPbc	19:08:47.890	0.0	24.3	4.52	TAS	m_e
GUNZ	157.53	PKPbc	19:08:50.372		24.3	4.52	TAS	m_e
IBBN	156.69	PKPbc	19:08:46.239	-0.1	24.3	4.52	TAS	m_e
MOX	157.47	PKPbc	19:08:49.646	-0.6	24.3	4.52	TAS	m_e
NEUB	156.92	PKPbc	19:08:47.125	0.5	24.3	4.52	TAS	m_e
PLN	157.46	PKPbc	19:08:49.729	-0.2	24.3	4.52	TAS	m_e
RJOB	159.70	PKPbc	19:09:00.118		24.3	4.52	TAS	m_e
ROTZ	158.10	PKPbc	19:08:52.781		24.3	4.52	TAS	m_e
TANN	157.44	PKPbc	19:08:49.476		24.3	4.52	TAS	m_e
WERN	157.58	PKPbc	19:08:50.727		24.3	4.52	TAS	m_e
WET	158.45	PKPbc	19:08:54.612		24.3	4.52	TAS	m_e

Event 51207013 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/07	22:53:39.34			14.1500	-89.1900				101.3	2.3		33		82.76	87.74	m i ke	BGR
51207019																	

Magnitude Err Nsta Author
mb 5.6 BGR

OrigID
51207019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.14		P	23:05:53.696	0.2	286.8		4.98		TAS		32.6	1.09	m_e mb	5.5
ASSE	84.90		P	23:06:02.766	-0.0	286.8		4.98		TAS		104.7	1.79	m_e mb	5.8
ASSE	84.90		pP	23:06:28.829						T__				m_e	
BFO	84.48		P	23:05:59.868	0.1	286.8		4.98		TAS		64.3	1.65	m_e mb	5.6
BRG	87.23		P	23:06:13.554	-0.4	286.8		4.98		TAS		46.3	1.69	m_e mb	5.3
BRG	87.23		pP	23:06:40.333						T__				m_e	
BSEG	84.19		P	23:05:58.848	0.1	286.8		4.98		TAS		164.3	1.85	m_e mb	5.9
BSEG	84.19		pP	23:06:25.385						T__				m_e	
BUG	83.04		P	23:05:52.461	-0.3	286.8		4.98		TAS				m_e	
CLL	86.53		P	23:06:10.173	-0.1	286.8		4.98		TAS		23.2	1.04	m_e mb	5.2
CLL	86.53		pP	23:06:36.922						T__				m_e	
CLZ	84.81		P	23:06:02.176	0.1	286.8		4.98		TAS		46.5	1.15	m_e mb	5.6
FBE	86.86		P	23:06:11.990	-0.4	286.8		4.98		TAS		45.6	1.29	m_e mb	5.4
FBE	86.86		pP	23:06:38.763						T__				m_e	
FLT1	85.18		P	23:06:03.303	-0.1	286.8		4.98		TAS		73.5	1.46	m_e mb	5.7
FLT1	85.18		pP	23:06:29.726						T__				m_e	
FUR	86.42		P	23:06:10.012	-0.3	286.8		4.98		TAS		57.9	1.66	m_e mb	5.4
GEC2	87.74		P	23:06:16.077		286.8		4.98		TAS		26.3	1.74	m_e mb	5.3
GEC2	87.74		pP	23:06:42.755						T__				m_e	

GRA1	85.94	P	23:06:07.811	0.0	286.8	4.98	TAS	139.6	2.03	m_e	mb	5.7
GTTG	84.64	P	23:06:01.156	0.3	286.8	4.98	TAS	38.9	0.99	m_e	mb	5.6
GTTG	84.64	pP	23:06:27.173				T__			m_e		
GUNZ	86.42	P	23:06:10.119	0.2	286.8	4.98	TAS	46.1	1.36	m_e	mb	5.4
GUNZ	86.42	pP	23:06:36.348				T__			m_e		
IBBN	83.13	P	23:05:53.213	0.2	286.8	4.98	TAS	27.9	1.03	m_e	mb	5.4
MOX	85.90	P	23:06:07.167	0.1	286.8	4.98	TAS	75.6	1.75	m_e	mb	5.5
MOX	85.90	pP	23:06:33.575				T__			m_e		
NEUB	85.83	P	23:06:06.845	-0.1	286.8	4.98	TAS	54.9	1.40	m_e	mb	5.5
NEUB	85.83	pP	23:06:33.329				T__			m_e		
NRDL	84.47	P	23:06:00.297	-0.3	286.8	4.98	TAS	69.5	1.48	m_e	mb	5.7
NRDL	84.47	pP	23:06:26.671				T__			m_e		
PLN	86.28	P	23:06:09.260	0.2	286.8	4.98	TAS	68.6	1.51	m_e	mb	5.6
PLN	86.28	pP	23:06:35.270				T__			m_e		
RETH	83.96	P	23:05:57.882	-0.2	286.8	4.98	TAS	127.2	1.55	m_e	mb	5.9
RETH	83.96	pP	23:06:23.908				T__			m_e		
RJOB	87.52	P	23:06:15.057		286.8	4.98	TAS	65.2	1.99	m_e	mb	5.6
ROTZ	86.52	P	23:06:10.602	-0.1	286.8	4.98	TAS	14.7	1.63	m_e	mb	4.9
ROTZ	86.52	pP	23:06:36.866				T__			m_e		
RUE	86.62	P	23:06:10.831	0.1	286.8	4.98	TAS			m_e		
STU	84.92	P	23:06:02.337	-0.4	286.8	4.98	TAS	68.8	0.97	m_e	mb	5.9
TANN	86.48	P	23:06:10.173	0.2	286.8	4.98	TAS	57.2	1.50	m_e	mb	5.5
TANN	86.48	pP	23:06:36.664				T__			m_e		
TNS	84.07	P	23:05:57.990	0.1	286.8	4.98	TAS	90.6	1.82	m_e	mb	5.7
TNS	84.07	pP	23:06:24.529				T__			m_e		
UBBA	84.86	P	23:06:02.230	0.4	286.8	4.98	TAS	51.3	1.42	m_e	mb	5.6
UBR	85.80	P	23:06:07.060	0.3	286.8	4.98	TAS	94.3	1.79	m_e	mb	5.6
WERD	86.38	P	23:06:09.690	0.4	286.8	4.98	TAS	52.1	1.52	m_e	mb	5.4
WERD	86.38	pP	23:06:36.053				T__			m_e		
WERN	86.47	P	23:06:10.495	-0.0	286.8	4.98	TAS	57.5	1.39	m_e	mb	5.5
WERN	86.47	pP	23:06:36.507				T__			m_e		
WET	87.13	P	23:06:13.500	-0.3	286.8	4.98	TAS	50.4	1.43	m_e	mb	5.4
WET	87.13	pP	23:06:40.447				T__			m_e		
WLF	82.76	P	23:05:51.603	-0.6	286.8	4.98	TAS	131.6	1.83	m_e	mb	5.9

Event 51208006 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/08	12:55:56.24			-14.9620	-174.1070				274.7	9.2		22		142.48	147.19	m i ke	BGR
	51208012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.67		PKPbc	13:15:04.383		9.0		3.27		TAS				m_e	
BFO	146.67		pPKPbc	13:16:13.485		12.9		4.36		TAS				m_e	

CLZ	143.04	PKPbc	13:14:52.465	0.1	9.0	3.27	TAS	m_e
FLT1	142.48	PKPbc	13:14:50.775	-0.1	9.0	3.27	TAS	m_e
FUR	146.60	PKPbc	13:15:04.337		9.0	3.27	TAS	m_e
GEC2	145.61	PKPbc	13:15:01.271		9.0	3.27	TAS	m_e
GRA1	145.09	PKPbc	13:14:59.834		9.0	3.27	TAS	m_e
GRA1	145.09	pPKPbc	13:16:05.970		12.9	4.36	TAS	m_e
GTTG	143.36	PKPbc	13:14:53.523	0.1	9.0	3.27	TAS	m_e
GUNZ	144.31	PKPbc	13:14:56.842	-0.4	9.0	3.27	TAS	m_e
MANZ	144.71	PKPbc	13:14:58.159		9.0	3.27	TAS	m_e
MOX	144.11	PKPbc	13:14:56.004	0.2	9.0	3.27	TAS	m_e
NEUB	143.55	PKPbc	13:14:53.774	0.2	9.0	3.27	TAS	m_e
PLN	144.21	PKPbc	13:14:56.321	0.1	9.0	3.27	TAS	m_e
RJOB	146.82	PKPbc	13:15:04.502		9.0	3.27	TAS	m_e
ROTZ	144.91	PKPbc	13:14:58.997		9.0	3.27	TAS	m_e
TANN	144.24	PKPbc	13:14:56.483	-0.5	9.0	3.27	TAS	m_e
TNS	144.77	PKPbc	13:14:58.637		9.0	3.27	TAS	m_e
UBBA	144.08	PKPbc	13:14:55.663	0.4	9.0	3.27	TAS	m_e
UBR	147.19	PKPbc	13:15:05.785		9.0	3.27	TAS	m_e
UBR	147.19	pPKPbc	13:16:15.233		12.9	4.36	TAS	m_e
WERD	144.23	PKPbc	13:14:56.483	-0.2	9.0	3.27	TAS	m_e
WERN	144.38	PKPbc	13:14:57.081		9.0	3.27	TAS	m_e
WET	145.44	PKPbc	13:15:00.912		9.0	3.27	TAS	m_e
WLF	145.39	PKPbc	13:15:01.031		9.0	3.27	TAS	m_e

Event 51209001 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/09	10:21:51.80			-4.1400	129.5600				45.0				31	108.37	114.29	m i ke	EMSC
51209033																	

Magnitude Err Nsta Author
Ms 6.7 BGR OrigID 51209007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	113.39		SP	10:50:54.285		67.5		10.52		TAS					a_e
ASSE	110.70		SP	10:50:25.135	-0.2	67.5		10.52		TAS					a_e
BFO	113.49		SP	10:50:55.785		67.5		10.52		TAS					a_e
BRG	109.19		SP	10:50:12.185	2.0	67.5		10.52		TAS					a_e
BSEG	110.24		SP	10:50:20.085	-0.2	67.5		10.52		TAS					a_e
BUG	112.92		SP	10:50:47.985		67.5		10.52		TAS					a_e
CLL	109.62		SP	10:50:15.835	0.1	67.5		10.52		TAS					a_e
CLZ	110.98		SP	10:50:28.735	-0.4	67.5		10.52		TAS					a_e
FLT1	110.31		SP	10:50:20.935	1.0	67.5		10.52		TAS					a_e
FUR	111.70		SP	10:50:36.185	-1.0	67.5		10.52		TAS					a_e
GEC2	109.95		SP	10:50:19.385	1.0	67.5		10.52		TAS					a_e
GRA1	111.22		Pdiff	10:36:22.158		70.4		4.19		TAS					m_e

GRA1	111.22	SP	10:50:31.635	-1.5	67.5	10.52	TAS										a_e
GRA1	111.22	L	11:36:41.335				T__	20431.7	21.60	a_e Ms	6.7						
GTTG	111.32	SP	10:50:32.085	-0.5	67.5	10.52	TAS										a_e
HLG	111.46	SP	10:50:32.635	-1.3	67.5	10.52	TAS										a_e
IBBN	112.29	SP	10:50:41.285	-0.6	67.5	10.52	TAS										a_e
MANZ	110.58	SP	10:50:25.835	-0.0	67.5	10.52	TAS										a_e
MOX	110.66	SP	10:50:25.835	0.4	67.5	10.52	TAS										a_e
MOX	110.66	L	11:34:29.889				T__	22884.8	21.50	a_e Ms	6.7						
NEUB	110.39	SP	10:50:22.685	0.3	67.5	10.52	TAS										a_e
NRDL	110.89	SP	10:50:27.735	0.0	67.5	10.52	TAS										a_e
PLN	110.39	SP	10:50:21.685	-0.2	67.5	10.52	TAS										a_e
RGN	108.37	SP	10:49:59.835	-0.5	67.5	10.52	TAS										a_e
RJOB	110.86	SP	10:50:29.335	0.1	67.5	10.52	TAS										a_e
ROTZ	110.59	SP	10:50:26.285	0.6	67.5	10.52	TAS										a_e
RUE	108.79	SP	10:50:02.285	-3.0	67.5	10.52	TAS										a_e
STU	112.79	SP	10:50:47.535	2.2	67.5	10.52	TAS										a_e
TANN	110.23	SP	10:50:22.185	0.2	67.5	10.52	TAS										a_e
TNS	112.71	SP	10:50:45.985	-0.2	67.5	10.52	TAS										a_e
UBBA	111.56	SP	10:50:34.435	-0.9	67.5	10.52	TAS										m_e
UBR	112.60	SP	10:50:45.935	0.5	67.5	10.52	TAS										a_e
WET	110.38	SP	10:50:24.435	0.9	67.5	10.52	TAS										a_e
WLF	114.29	SP	10:51:05.735		67.5	10.52	TAS										a_e

Event 51209002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/09	12:58:04.01			-16.7360	175.1580				10.0				21	143.63	146.78	m i ke	BGR
51209008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	51209008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	144.94		PKPbc	13:17:41.269		26.9		3.27		TAS					m_e
BFO	146.69		PKPbc	13:17:46.392		26.9		3.27		TAS					m_e
BUG	144.05		PKPbc	13:17:38.197		26.9		3.27		TAS					m_e
FUR	145.98		PKPbc	13:17:44.711		26.9		3.27		TAS					m_e
GEC2	144.58		PKPbc	13:17:39.748		26.9		3.27		TAS					m_e
GRA1	144.65		PKPbc	13:17:40.548		26.9		3.27		TAS					m_e
GRA1	144.65		L	14:22:11.700						T__	1064.4	21.50	a_e Ms	5.6	
GUNZ	143.72		PKPbc	13:17:37.026	-0.4	26.9		3.27		TAS					m_e
MANZ	144.12		PKPbc	13:17:38.067		26.9		3.27		TAS					m_e
MOX	143.68		PKPbc	13:17:36.746	0.1	26.9		3.27		TAS					m_e
MOX	143.68		L	14:37:14.480						T__	1138.8	19.70	a_e Ms	5.6	
PLN	143.66		PKPbc	13:17:36.680	0.3	26.9		3.27		TAS					m_e
RJOB	145.84		PKPbc	13:17:44.230		26.9		3.27		TAS					m_e

ROTZ	144.28	PKPbc	13:17:39.027	26.9	3.27	TAS	m_e
STU	146.06	PKPbc	13:17:44.791	26.9	3.27	TAS	m_e
TANN	143.63	PKPbc	13:17:36.626	0.1 26.9	3.27	TAS	m_e
TNS	144.92	PKPbc	13:17:41.269	26.9	3.27	TAS	m_e
UBBA	143.97	PKPbc	13:17:37.609	26.9	3.27	TAS	m_e
UBR	146.78	PKPbc	13:17:46.552	26.9	3.27	TAS	m_e
WERD	143.65	PKPbc	13:17:36.811	0.3 26.9	3.27	TAS	m_e
WERN	143.77	PKPbc	13:17:36.744	-0.5 26.9	3.27	TAS	m_e
WET	144.61	PKPbc	13:17:40.228	26.9	3.27	TAS	m_e
WLF	145.97	PKPbc	13:17:44.951	26.9	3.27	TAS	m_e

Event 51209003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/09	13:32:55.61			-15.3360	-176.9930				396.8	0.6		7		143.23	147.22	m i ke	BGR
51209009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	144.73		PKPbc	13:51:44.385	-0.2	13.9		3.23		TAS					m_e
BFO	146.81		PKPbc	13:51:50.843		13.9		3.23		TAS					m_e
BFO	146.81		pPKPbc	13:53:26.452		22.6		2.49		TAS					m_e
BRG	143.47		PKPbc	13:51:39.985	0.3	13.9		3.23		TAS					m_e
BRG	143.47		SKPbc	13:54:46.103		16.9		2.55		TAS					m_e
BUG	143.82		PKPbc	13:51:41.450	0.2	13.9		3.23		TAS					m_e
CLL	143.23		PKPbc	13:51:38.955	0.4	13.9		3.23		TAS					m_e
CLL	143.23		SKPbc	13:54:45.945		16.9		2.55		TAS					m_e
FBE	143.54		PKPbc	13:51:40.180	0.1	13.9		3.23		TAS					m_e
FBE	143.54		SKPbc	13:54:47.035		16.9		2.55		TAS					m_e
FUR	146.56		PKPbc	13:51:49.935		13.9		3.23		TAS					a_e
GEC2	145.45		PKPbc	13:51:46.585		13.9		3.23		TAS					a_e
GEC2	145.45		SKPbc	13:54:51.406		16.9		2.55		TAS					m_e
GRA1	145.09		PKPbc	13:51:45.735		13.9		3.23		TAS					a_e
GTTG	143.45		PKPbc	13:51:39.996	0.4	13.9		3.23		TAS					m_e
GUNZ	144.25		PKPbc	13:51:42.973	0.0	13.9		3.23		TAS					m_e
MANZ	144.66		PKPbc	13:51:44.158	0.0	13.9		3.23		TAS					m_e
MANZ	144.66		SKPbc	13:54:49.881		16.9		2.55		TAS					m_e
MOX	144.10		PKPbc	13:51:41.788	-0.0	13.9		3.23		TAS					m_e
MOX	144.10		SKPbc	13:54:47.842		16.9		2.55		TAS					m_e
NEUB	143.54		PKPbc	13:51:40.350	-0.2	13.9		3.23		TAS					m_e
PLN	144.17		PKPbc	13:51:42.465	0.3	13.9		3.23		TAS					m_e
RJOB	146.69		PKPbc	13:51:50.674		13.9		3.23		TAS					m_e
RJOB	146.69		pPKPbc	13:53:26.042		22.6		2.49		TAS					m_e
ROTZ	144.85		PKPbc	13:51:44.835	-0.3	13.9		3.23		TAS					m_e
STU	146.27		PKPbc	13:51:49.285		13.9		3.23		TAS					a_e

TANN	144.18	PKPbc	13:51:42.634	-0.1	13.9	3.23	TAS	m_e
TNS	144.93	PKPbc	13:51:44.985		13.9	3.23	TAS	a_e
UBBA	144.16	PKPbc	13:51:42.804	0.3	13.9	3.23	TAS	m_e
UBR	147.22	PKPbc	13:51:51.967		13.9	3.23	TAS	m_e
WERD	144.18	PKPbc	13:51:42.804	0.2	13.9	3.23	TAS	m_e
WERN	144.32	PKPbc	13:51:43.311	-0.2	13.9	3.23	TAS	m_e
WERN	144.32	SKPbc	13:54:48.516		16.9	2.55	TAS	m_e
WET	145.33	PKPbc	13:51:46.435		13.9	3.23	TAS	a_e
WLF	145.67	PKPbc	13:51:47.985		13.9	3.23	TAS	a_e

Event 51209004 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/09	19:17:52.80			39.1200	72.1500				33.0			26		41.77	46.90	m i ke	BGR
51209010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	51209010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	46.13		P	19:26:14.331		81.0		8.03		TAS		12.3	1.08	m_e	mb 4.9
BFO	45.81		P	19:26:11.426		81.0		8.03		TAS		9.2	0.91	m_e	mb 4.8
BRG	41.77		P	19:25:39.472	0.1	81.0		8.03		TAS		17.9	0.82	m_e	mb 4.8
BSEG	43.62		P	19:25:54.622	-0.2	81.0		8.03		TAS		21.6	0.86	m_e	mb 4.9
BUG	45.83		P	19:26:12.017		81.0		8.03		TAS		13.6	0.56	m_e	mb 5.2
CLL	42.30		P	19:25:43.364	0.1	81.0		8.03		TAS		14.6	0.82	m_e	mb 4.7
CLZ	43.86		P	19:25:56.492	-0.1	81.0		8.03		TAS		12.2	0.91	m_e	mb 4.6
FBE	42.13		P	19:25:42.649	-0.6	81.0		8.03		TAS		24.5	0.83	m_e	mb 5.0
FLT1	43.26		P	19:25:51.030	0.5	81.0		8.03		TAS		30.7	0.91	m_e	mb 5.0
FUR	43.92		P	19:25:57.064	-0.4	81.0		8.03		TAS		30.8	1.09	m_e	mb 4.9
GEC2	42.21		P	19:25:42.947	0.2	81.0		8.03		TAS		13.8	1.41	m_e	mb 4.5
GRA1	43.67		P	19:25:55.703	0.6	81.0		8.03		TAS		25.6	0.99	m_e	mb 4.9
GTTG	44.15		P	19:25:58.654	-0.3	81.0		8.03		TAS		33.4	0.81	m_e	mb 5.1
GUNZ	42.86		P	19:25:48.475	-0.0	81.0		8.03		TAS		10.4	0.90	m_e	mb 4.6
IBBN	45.38		P	19:26:08.329		81.0		8.03		TAS		17.5	0.87	m_e	mb 5.0
MANZ	43.06		P	19:25:49.934	0.8	81.0		8.03		TAS		1.6	0.85	m_e	mb 3.8
MOX	43.27		P	19:25:51.452	0.6	81.0		8.03		TAS		13.8	0.92	m_e	mb 4.7
NEUB	43.09		P	19:25:49.783	0.1	81.0		8.03		TAS		29.7	0.89	m_e	mb 5.0
NRDL	43.93		P	19:25:57.236	-0.2	81.0		8.03		TAS		18.0	0.90	m_e	mb 4.8
PLN	42.95		P	19:25:48.785	-0.2	81.0		8.03		TAS		7.4	0.84	m_e	mb 4.4
STU	45.15		P	19:26:07.234		81.0		8.03		TAS		42.9	0.77	m_e	mb 5.4
TANN	42.77		P	19:25:47.715	-0.3	81.0		8.03		TAS		8.4	0.92	m_e	mb 4.5
UBR	44.79		P	19:26:03.171		81.0		8.03		TAS		16.9	0.85	m_e	mb 5.0
WERD	42.86		P	19:25:48.062	-0.5	81.0		8.03		TAS		9.3	0.79	m_e	mb 4.6
WET	42.70		P	19:25:47.098	0.1	81.0		8.03		TAS		11.0	0.91	m_e	mb 4.6
WLF	46.90		P	19:26:20.717		81.0		8.03		TAS		17.8	0.82	m_e	mb 5.2

Event 51209005 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/09	21:52:40.80			-37.6500	51.3600				2.0					93.92	93.92	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	51209011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.92		P	22:06:01.621		149.1		5.42		TAS		35.0	2.14	m_e mb	5.3

Event 51211003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/11	03:20:47.52			-4.5620	104.3160				56.7				16	93.74	97.24	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51211009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	93.74		P	03:33:58.210	-0.0	90.6		4.53		TAS		14.8	0.77	m_e mb	5.4
FBE	94.11		P	03:34:00.191	0.2	90.6		4.53		TAS		13.6	0.81	m_e mb	5.3
GEC2	93.81		P	03:33:58.379	-0.1	90.6		4.53		TAS		9.7	0.86	m_e mb	5.2
GRA1	95.45		P	03:34:05.940		90.6		4.53		TAS		13.6	0.89	m_e mb	5.4
GRA1	95.45		pP	03:34:22.183						T__				m_e	
GUNZ	94.75		P	03:34:02.866	-0.1	90.6		4.53		TAS		7.4	0.88	m_e mb	5.1
MANZ	94.88		P	03:34:03.756	-0.1	90.6		4.53		TAS		2.9	0.94	m_e mb	4.7
MOX	95.21		P	03:34:04.784		90.6		4.53		TAS		8.9	1.43	m_e mb	5.0
NEUB	95.12		P	03:34:04.171	0.0	90.6		4.53		TAS		31.8	0.98	m_e mb	5.7
PLN	94.86		P	03:34:03.243	-0.1	90.6		4.53		TAS		8.4	0.89	m_e mb	5.2
ROTZ	94.81		P	03:34:03.196	-0.3	90.6		4.53		TAS		2.0	0.93	m_e mb	4.5
RUE	93.91		P	03:33:59.031	-0.0	90.6		4.53		TAS		30.8	1.30	m_e mb	5.5
TANN	94.67		P	03:34:02.421	-0.0	90.6		4.53		TAS		10.9	1.21	m_e mb	5.2
TNS	97.24		P	03:34:14.121		90.6		4.53		TAS		14.6	0.96	m_e mb	5.6
WERD	94.77		P	03:34:02.872	0.3	90.6		4.53		TAS		11.7	0.84	m_e mb	5.3
WERN	94.72		P	03:34:02.777	0.1	90.6		4.53		TAS		5.8	0.97	m_e mb	5.0
WET	94.36		P	03:34:00.918	-0.0	90.6		4.53		TAS		12.6	0.99	m_e mb	5.2

Event 51211007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/11	11:11:58.20			-17.9900	-178.4500				588.0				14	144.90	149.24	m i ke	EMSC
OrigID																	
51211039																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.24		PKPbc	11:30:47.175		13.8		2.63		TAS					m_e
BRG	145.74		PKPbc	11:30:38.312	-0.1	13.8		2.63		TAS					m_e
CLL	145.53		PKPbc	11:30:37.556	0.4	13.8		2.63		TAS					m_e
FBE	145.82		PKPbc	11:30:38.912	-0.7	13.8		2.63		TAS					m_e
FLT1	144.90		PKPbc	11:30:35.145	0.1	13.8		2.63		TAS					m_e
GEC2	147.68		PKPbc	11:30:43.610		13.8		2.63		TAS					m_e
GRA1	147.43		PKPbc	11:30:43.029		13.8		2.63		TAS					m_e
GUNZ	146.57		PKPbc	11:30:40.856		13.8		2.63		TAS					m_e
MANZ	146.97		PKPbc	11:30:41.813		13.8		2.63		TAS					m_e
RJOB	148.93		PKPbc	11:30:46.263		13.8		2.63		TAS					m_e
ROTZ	147.16		PKPbc	11:30:42.338		13.8		2.63		TAS					m_e
TANN	146.49		PKPbc	11:30:40.477		13.8		2.63		TAS					m_e
WERD	146.49		PKPbc	11:30:40.404		13.8		2.63		TAS					m_e
WERN	146.63		PKPbc	11:30:41.061		13.8		2.63		TAS					m_e

Event 51211008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/11	11:18:27.00			-17.9800	-178.4600				594.0				13	143.48	149.56	m i ke	EMSC
OrigID																	
51211040																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.23		PKPbc	11:37:09.282		15.2		2.74		TAS					m_e
BFO	149.23		PKPab	11:37:16.049		14.3		4.17		TAS					m_e
BRG	145.72		PKPbc	11:37:00.353	0.1	15.2		2.74		TAS					m_e
BRG	145.72		PKPab	11:37:02.141	0.1	14.3		4.17		TAS					m_e
BSEG	143.48		PKPbc	11:36:53.093	-0.6	15.2		2.74		TAS					m_e
CLL	145.52		PKPbc	11:36:59.617	0.1	15.2		2.74		TAS					m_e
CLZ	145.50		PKPbc	11:36:59.879	0.3	15.2		2.74		TAS					m_e
FBE	145.81		PKPbc	11:37:01.008	0.2	15.2		2.74		TAS					m_e
FBE	145.81		PKPab	11:37:02.707	-0.3	14.3		4.17		TAS					m_e
FLT1	144.88		PKPbc	11:36:57.392	0.4	15.2		2.74		TAS					m_e
FUR	148.86		PKPbc	11:37:08.617		15.2		2.74		TAS					m_e
GEC2	147.67		PKPbc	11:37:05.657	-0.6	15.2		2.74		TAS					m_e

GRA1	147.42	PKPbc	11:37:05.104	-0.8	15.2	2.74	TAS	m_e
GRA1	147.42	PKPab	11:37:09.151		14.3	4.17	TAS	m_e
GTTG	145.85	PKPbc	11:37:00.764	0.2	15.2	2.74	TAS	m_e
GUNZ	146.56	PKPbc	11:37:02.883	0.3	15.2	2.74	TAS	m_e
GUNZ	146.56	PKPab	11:37:05.512		14.3	4.17	TAS	m_e
MANZ	146.96	PKPbc	11:37:03.937	-0.1	15.2	2.74	TAS	m_e
MOX	146.43	PKPbc	11:37:02.176	0.4	15.2	2.74	TAS	m_e
MOX	146.43	PKPab	11:37:04.639		14.3	4.17	TAS	m_e
NEUB	145.88	PKPbc	11:37:00.704	0.1	15.2	2.74	TAS	m_e
NRDL	144.91	PKPbc	11:36:57.661	-0.1	15.2	2.74	TAS	m_e
PLN	146.47	PKPbc	11:37:02.425	0.4	15.2	2.74	TAS	m_e
RETH	144.78	PKPbc	11:36:57.404	-0.2	15.2	2.74	TAS	m_e
RJOB	148.92	PKPbc	11:37:08.414		15.2	2.74	TAS	m_e
RJOB	148.92	PKPab	11:37:15.822		14.3	4.17	TAS	m_e
ROTZ	147.15	PKPbc	11:37:04.373	0.3	15.2	2.74	TAS	m_e
RUE	144.26	PKPbc	11:36:55.598	-0.4	15.2	2.74	TAS	m_e
STU	148.66	PKPbc	11:37:08.121		15.2	2.74	TAS	m_e
TANN	146.48	PKPbc	11:37:02.506	0.3	15.2	2.74	TAS	m_e
TANN	146.48	PKPab	11:37:05.082		14.3	4.17	TAS	m_e
TNS	147.36	PKPbc	11:37:04.842	-0.2	15.2	2.74	TAS	m_e
TNS	147.36	PKPab	11:37:08.542		14.3	4.17	TAS	m_e
UBBA	146.55	PKPbc	11:37:02.225	0.3	15.2	2.74	TAS	m_e
UBR	149.56	PKPbc	11:37:10.017		15.2	2.74	TAS	m_e
WERD	146.48	PKPbc	11:37:02.411	0.2	15.2	2.74	TAS	m_e
WERD	146.48	PKPab	11:37:05.111		14.3	4.17	TAS	m_e
WERN	146.62	PKPbc	11:37:03.095	0.0	15.2	2.74	TAS	m_e
WERN	146.62	PKPab	11:37:05.900		14.3	4.17	TAS	m_e
WET	147.59	PKPbc	11:37:05.434	-0.4	15.2	2.74	TAS	m_e
WET	147.59	PKPab	11:37:10.025		14.3	4.17	TAS	m_e
WLF	148.18	PKPbc	11:37:07.252		15.2	2.74	TAS	m_e
WLF	148.18	PKPab	11:37:12.149		14.3	4.17	TAS	m_e

Event 51212002 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/12	08:34:47.40			37.8000	21.1300				1.0					13.86	14.52	m i ke	THE
51212080																	

Magnitude	Err	Nsta	Author	OrigID
Ms	3.7		BGR	51212008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	13.86		P	08:38:12.665		145.3		11.16		TAS					m_e
GRA1	13.86		L	08:44:27.424						T__		545.8	20.00	a_e	Ms 3.6
MOX	14.52		L	08:44:35.345						T__		598.3	20.80	a_e	Ms 3.7

Event 51213001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/13	01:52:24.44			48.0410	151.7780				33.0			33		71.95	79.00	m i ke	BGR
OrigID 51213007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	51213007
MBB	6.0		BGR	51213007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.21		P	02:04:13.384	0.3	25.9		5.66		TAS		180.6	1.11	m_e	MBB 6.2
ASSE	74.83		P	02:03:59.528	-0.3	25.9		5.66		TAS		57.2	1.07	m_e	mb 5.5
BFO	78.91		P	02:04:22.438		25.9		5.66		TAS		133.0	0.98	m_e	MBB 6.0
BRG	75.02		P	02:04:00.512	0.5	25.9		5.66		TAS		50.6	1.04	m_e	MBB 5.6
BSEG	73.29		P	02:03:51.194	0.1	25.9		5.66		TAS		77.1	0.98	m_e	MBB 6.1
BUG	76.34		P	02:04:08.256	0.1	25.9		5.66		TAS		155.9	1.12	m_e	MBB 6.1
CLL	74.91		P	02:04:00.014	-0.4	25.9		5.66		TAS		166.2	0.88	m_e	MBB 6.1
CLZ	75.17		P	02:04:02.175	0.0	25.9		5.66		TAS		168.9	1.06	m_e	MBB 6.1
FBE	75.15		P	02:04:01.683	-0.2	25.9		5.66		TAS		110.0	1.00	m_e	MBB 5.9
FLT1	74.49		P	02:03:57.455	0.1	25.9		5.66		TAS		142.0	0.94	m_e	MBB 6.1
FUR	78.23		P	02:04:19.116	-0.5	25.9		5.66		TAS		174.4	0.99	m_e	MBB 6.3
GEC2	76.90		P	02:04:11.483	0.1	25.9		5.66		TAS		46.8	0.86	m_e	MBB 5.9
GRA1	76.87		P	02:04:11.679	0.4	25.9		5.66		TAS		214.1	0.91	m_e	mb 6.3
GTTG	75.54		P	02:04:04.094	0.1	25.9		5.66		TAS		112.8	1.17	m_e	MBB 6.0
GUNZ	75.95		P	02:04:06.304	0.2	25.9		5.66		TAS		71.7	0.93	m_e	MBB 5.9
MANZ	76.35		P	02:04:08.499	0.2	25.9		5.66		TAS		19.0	1.03	m_e	MBB 5.3
MOX	75.90		P	02:04:05.932	0.1	25.9		5.66		TAS		103.0	1.07	m_e	MBB 6.1
NEUB	75.36		P	02:04:02.697	0.3	25.9		5.66		TAS		164.7	1.21	m_e	MBB 6.0
NRDL	74.65		P	02:03:58.725	-0.3	25.9		5.66		TAS		89.1	0.96	m_e	MBB 5.9
PLN	75.89		P	02:04:05.728	0.0	25.9		5.66		TAS		75.3	1.11	m_e	MBB 5.9
RETH	74.62		P	02:03:58.700	-0.0	25.9		5.66		TAS		155.3	1.12	m_e	mb 5.9
RGN	71.95		P	02:03:43.463	-0.1	25.9		5.66		TAS		231.0	0.94	m_e	MBB 6.6
RJOB	78.16		P	02:04:18.907	0.1	25.9		5.66		TAS		72.2	0.92	m_e	MBB 6.0
ROTZ	76.52		P	02:04:09.597	0.3	25.9		5.66		TAS		23.1	1.01	m_e	MBB 5.4
RUE	73.65		P	02:03:53.008	-0.5	25.9		5.66		TAS		158.8	1.03	m_e	MBB 6.1
STU	78.27		P	02:04:19.048	-0.4	25.9		5.66		TAS		289.5	0.99	m_e	MBB 6.5
TANN	75.86		P	02:04:05.754	0.1	25.9		5.66		TAS		40.7	1.03	m_e	MBB 5.8
TNS	77.15		P	02:04:13.017	0.2	25.9		5.66		TAS		106.7	0.86	m_e	MBB 6.0
UBBA	76.19		P	02:04:07.440	0.0	25.9		5.66		TAS		199.2	1.79	m_e	MBB 6.1
UBR	79.00		P	02:04:23.030		25.9		5.66		TAS		55.8	1.07	m_e	mb 5.5
WERD	75.88		P	02:04:05.877	-0.1	25.9		5.66		TAS		77.4	1.21	m_e	MBB 6.1
WERN	76.00		P	02:04:06.699	-0.1	25.9		5.66		TAS		88.6	0.89	m_e	MBB 6.0
WET	76.88		P	02:04:11.788	-0.0	25.9		5.66		TAS		124.2	1.02	m_e	MBB 6.1

GRA1	46.64	P	20:17:34.525	86.9	6.95	TAS	12.5	0.99	m_e	mb	5.0
GRA1	46.64	pP	20:17:38.852			T__				m_e	
GRA1	46.64	L	20:37:06.335			T__	63.8	18.80	m_e	Ms	3.6
MOX	46.23	L	20:35:46.709			T__	59.7	20.00	a_e	Ms	3.5

Event 51214001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/14	21:12:10.54			54.3010	-167.4480				33.0			31		72.12	78.37	m i ke	BGR
	51214007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	51214007
Ms	4.4		BGR	51214007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.43		P	21:23:49.299	0.0	359.2		5.70		TAS		18.0	0.96	m_e	mb	5.1
BFO	77.68		P	21:24:01.587		359.2		5.70		TAS		34.7	1.49	m_e	mb	5.3
BRG	75.19		P	21:23:47.434	0.0	359.2		5.70		TAS		15.7	1.04	m_e	mb	5.0
BSEG	72.12		P	21:23:30.109	-0.0	359.2		5.70		TAS		23.2	1.10	m_e	mb	5.2
BUG	74.54		P	21:23:43.676	0.2	359.2		5.70		TAS		17.1	0.96	m_e	mb	5.1
CLL	74.76		P	21:23:44.836	-0.2	359.2		5.70		TAS		15.8	1.09	m_e	mb	5.0
CLZ	74.21		P	21:23:42.172	-0.4	359.2		5.70		TAS		29.0	1.05	m_e	mb	5.2
FBE	75.15		P	21:23:47.559	0.4	359.2		5.70		TAS		31.9	1.19	m_e	mb	5.2
FLT1	73.73		P	21:23:38.837	0.2	359.2		5.70		TAS		22.5	1.22	m_e	mb	5.1
FUR	77.91		P	21:24:03.172		359.2		5.70		TAS		42.8	1.31	m_e	mb	5.4
GEC2	77.22		P	21:23:59.068		359.2		5.70		TAS		15.4	1.19	m_e	mb	5.0
GRA1	76.38		P	21:23:54.823	0.0	359.2		5.70		TAS		32.3	1.19	m_e	mb	5.3
GRA1	76.38		L	21:57:00.557						T__		210.6	19.60	a_e	Ms	4.5
GTTG	74.50		P	21:23:43.924	-0.1	359.2		5.70		TAS		32.3	1.02	m_e	mb	5.3
GUNZ	75.71		P	21:23:50.732	-0.1	359.2		5.70		TAS		12.6	1.14	m_e	mb	4.9
IBBN	73.69		P	21:23:39.184	0.1	359.2		5.70		TAS		31.4	1.03	m_e	mb	5.3
MANZ	76.09		P	21:23:52.678	0.2	359.2		5.70		TAS		3.4	1.25	m_e	mb	4.3
MOX	75.42		P	21:23:49.027	0.1	359.2		5.70		TAS		27.8	1.15	m_e	mb	5.2
MOX	75.42		L	22:04:15.827						T__		198.3	18.70	a_e	Ms	4.4
NEUB	74.88		P	21:23:45.774	-0.4	359.2		5.70		TAS		26.7	0.92	m_e	mb	5.3
NRDL	73.56		P	21:23:38.281	0.2	359.2		5.70		TAS		23.2	1.12	m_e	mb	5.1
PLN	75.58		P	21:23:49.975	0.1	359.2		5.70		TAS		11.7	1.24	m_e	mb	4.9
RETH	73.30		P	21:23:36.879	0.0	359.2		5.70		TAS		29.8	1.23	m_e	mb	5.3
RJOB	78.34		P	21:24:05.482		359.2		5.70		TAS		15.2	0.99	m_e	mb	5.1
ROTZ	76.31		P	21:23:54.213	-0.2	359.2		5.70		TAS		4.7	1.29	m_e	mb	4.5
RUE	73.59		P	21:23:38.512	-0.5	359.2		5.70		TAS		27.0	0.81	m_e	mb	5.3
TANN	75.66		P	21:23:50.351	0.4	359.2		5.70		TAS		13.0	1.24	m_e	mb	4.9
TNS	75.79		P	21:23:51.001	0.2	359.2		5.70		TAS		16.6	1.10	m_e	mb	5.1
UBBA	75.23		P	21:23:47.480	0.1	359.2		5.70		TAS		34.6	1.72	m_e	mb	5.1
UBR	78.37		P	21:24:05.547		359.2		5.70		TAS		28.2	1.24	m_e	mb	5.3

WERD	75.62	P	21:23:50.144	-0.1	359.2	5.70	TAS	16.8	1.40	m_e	mb	5.0
WERN	75.78	P	21:23:51.391	0.4	359.2	5.70	TAS	19.3	1.10	m_e	mb	5.1
WET	76.93	P	21:23:57.778	-0.1	359.2	5.70	TAS	17.5	1.26	m_e	mb	5.0

Event 51215007 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/15	11:27:22.32			53.7500	-176.6820			46.8				27		72.53	78.21	m i ke	BGR
OrigID 51215013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	51215013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.04		P	11:39:02.392	0.2	4.7		5.67		TAS		17.2	0.74	m_e	mb	5.3
ASSE	74.31		P	11:38:52.576	0.3	4.7		5.67		TAS		10.0	1.15	m_e	mb	4.7
BFO	78.21		P	11:39:13.807		4.7		5.67		TAS		10.2	0.96	m_e	mb	4.9
BRG	75.37		P	11:38:58.354	-0.0	4.7		5.67		TAS		11.8	0.79	m_e	mb	5.0
BSEG	72.53		P	11:38:42.198	-0.1	4.7		5.67		TAS		18.4	0.85	m_e	mb	5.2
BUG	75.13		P	11:38:56.837	0.3	4.7		5.67		TAS		14.2	0.92	m_e	mb	5.0
CLL	75.00		P	11:38:56.155	0.1	4.7		5.67		TAS		10.6	0.70	m_e	mb	5.0
CLZ	74.62		P	11:38:54.720	-0.2	4.7		5.67		TAS		24.6	0.92	m_e	mb	5.2
FBE	75.36		P	11:38:58.694	0.0	4.7		5.67		TAS		12.2	0.75	m_e	mb	5.0
FLT1	74.08		P	11:38:50.524	0.1	4.7		5.67		TAS		16.1	1.00	m_e	mb	5.0
GEC2	77.40		P	11:39:09.773		4.7		5.67		TAS		8.1	1.06	m_e	mb	4.8
GRA1	76.72		P	11:39:06.572		4.7		5.67		TAS		26.5	0.69	m_e	mb	5.5
GRA1	76.72		pP	11:39:20.003						T__				m_e		
GTTG	74.93		P	11:38:56.289	-0.2	4.7		5.67		TAS		21.4	1.02	m_e	mb	5.1
GUNZ	75.98		P	11:39:02.159	0.0	4.7		5.67		TAS		6.5	1.03	m_e	mb	4.7
IBBN	74.25		P	11:38:52.402	0.5	4.7		5.67		TAS		40.9	1.13	m_e	mb	5.4
MOX	75.75		P	11:39:00.665	0.2	4.7		5.67		TAS		12.6	1.06	m_e	mb	5.0
NEUB	75.19		P	11:38:57.527	-0.1	4.7		5.67		TAS		21.4	0.64	m_e	mb	5.3
NRDL	73.98		P	11:38:50.240	0.3	4.7		5.67		TAS		8.9	0.86	m_e	mb	4.8
PLN	75.87		P	11:39:01.333	0.3	4.7		5.67		TAS		7.9	1.11	m_e	mb	4.7
RETH	73.76		P	11:38:49.088	-0.3	4.7		5.67		TAS		15.0	1.21	m_e	mb	4.9
ROTZ	76.59		P	11:39:05.413	-0.7	4.7		5.67		TAS		1.0	0.74	m_e	mb	4.0
RUE	73.79		P	11:38:49.422	-0.7	4.7		5.67		TAS		29.2	0.50	m_e	mb	5.6
TANN	75.92		P	11:39:01.805	-0.1	4.7		5.67		TAS		7.8	1.27	m_e	mb	4.7
TNS	76.31		P	11:39:03.707	-0.1	4.7		5.67		TAS		17.7	0.82	m_e	mb	5.2
WERN	76.06		P	11:39:02.685	0.4	4.7		5.67		TAS		18.3	1.13	m_e	mb	5.1
WET	77.16		P	11:39:08.598		4.7		5.67		TAS		10.2	1.43	m_e	mb	4.8
WLF	76.93		P	11:39:07.387		4.7		5.67		TAS		14.0	0.84	m_e	mb	5.1

Event 51215009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/15	13:29:35.60			-15.6400	167.2400				25.0					139.94	140.84	m i ke	NEIC
OrigID 51215048																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	51215015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.84		PKPdf	13:48:59.216		38.3		1.27		TAS				m_e	
GRA1	140.84		L	14:54:21.303						T__		321.4	20.30	a_e Ms	5.1
MOX	139.94		L	14:53:21.717						T__		266.5	21.90	a_e Ms	4.9

Event 51216004 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/16	18:55:15.16			29.4290	140.2350				33.0				27	86.38	91.42	m i ke	BGR
OrigID 51216010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51216010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.42		P	19:08:16.377		42.6		4.70		TAS		28.3	0.98	m_e mb	5.6
BRG	87.08		P	19:07:56.296	-0.4	42.6		4.70		TAS		10.4	0.76	m_e mb	5.0
BSEG	86.38		P	19:07:53.049	-0.2	42.6		4.70		TAS		12.1	0.88	m_e mb	5.0
BUG	89.48		P	19:08:07.144		42.6		4.70		TAS		21.3	0.94	m_e mb	5.4
CLL	87.18		P	19:07:56.552	-0.1	42.6		4.70		TAS		28.6	1.32	m_e mb	5.2
CLZ	87.91		P	19:08:00.526	0.1	42.6		4.70		TAS		20.3	1.18	m_e mb	5.3
FBE	87.30		P	19:07:57.448	-0.1	42.6		4.70		TAS		20.7	0.86	m_e mb	5.3
FLT1	87.19		P	19:07:56.405	0.3	42.6		4.70		TAS		27.1	1.35	m_e mb	5.2
FUR	90.24		P	19:08:11.502		42.6		4.70		TAS		49.6	0.97	m_e mb	5.7
GEC2	88.63		P	19:08:03.306	0.4	42.6		4.70		TAS		9.7	0.81	m_e mb	5.1
GRA1	89.14		P	19:08:06.318	-0.3	42.6		4.70		TAS		25.4	0.95	m_e mb	5.4
GUNZ	88.16		P	19:08:01.499	-0.1	42.6		4.70		TAS		11.8	0.73	m_e mb	5.3
IBBN	88.62		P	19:08:03.684	0.2	42.6		4.70		TAS		44.4	0.97	m_e mb	5.7
MANZ	88.53		P	19:08:03.222	0.1	42.6		4.70		TAS		2.0	1.29	m_e mb	4.2
PLN	88.14		P	19:08:01.052	0.2	42.6		4.70		TAS		5.9	0.88	m_e mb	4.9
RETH	87.65		P	19:07:58.867	0.1	42.6		4.70		TAS		12.9	0.89	m_e mb	5.3
RJOB	89.85		P	19:08:09.370		42.6		4.70		TAS		22.3	0.97	m_e mb	5.4
ROTZ	88.64		P	19:08:03.907	-0.0	42.6		4.70		TAS		3.2	1.16	m_e mb	4.4
STU	90.71		P	19:08:13.329		42.6		4.70		TAS		80.6	0.94	m_e mb	6.0
TANN	88.06		P	19:08:00.850	0.2	42.6		4.70		TAS		4.4	0.92	m_e mb	4.8
TNS	89.93		P	19:08:09.853		42.6		4.70		TAS		9.5	0.95	m_e mb	5.0
UBBA	88.83		P	19:08:04.379	0.3	42.6		4.70		TAS		4.0	0.72	m_e mb	4.8

UBR	91.12	P	19:08:14.964	42.6	4.70	TAS	12.5	0.83	m_e	mb	5.3
WERD	88.11	P	19:08:01.192	-0.3	42.6	TAS	24.9	1.63	m_e	mb	5.3
WERN	88.19	P	19:08:01.708	-0.1	42.6	TAS	52.6	1.79	m_e	mb	5.6
WET	88.79	P	19:08:04.245	-0.3	42.6	TAS	6.2	1.14	m_e	mb	4.7
WLF	91.31	P	19:08:16.453	42.6	4.70	TAS	28.5	1.03	m_e	mb	5.5

Event 51216005 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/16	20:38:42.97			-20.6560	-172.4710				112.8			24		145.88	152.96	m i ke	BGR
OrigID 51216011																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.38		PKPbc	20:58:25.496		7.1		2.47		TAS				m_e	
BRG	149.42		PKPbc	20:58:17.661	0.5	7.1		2.47		TAS				m_e	
BSEG	146.71		PKPbc	20:58:10.168	-0.5	7.1		2.47		TAS				m_e	
CLL	149.11		PKPbc	20:58:16.803	0.2	7.1		2.47		TAS				m_e	
CLZ	148.80		PKPbc	20:58:16.462	0.1	7.1		2.47		TAS				m_e	
FBE	149.45		PKPbc	20:58:18.123	0.3	7.1		2.47		TAS				m_e	
FLT1	148.25		PKPbc	20:58:14.494	0.1	7.1		2.47		TAS				m_e	
FUR	152.39		PKPbc	20:58:25.292		7.1		2.47		TAS				m_e	
GEC2	151.44		PKPbc	20:58:22.735		7.1		2.47		TAS				m_e	
GRA1	150.88		PKPbc	20:58:21.793		7.1		2.47		TAS				m_e	
GRA1	150.88		pPKPbc	20:58:52.203						T__				m_e	
GUNZ	150.11		PKPbc	20:58:19.846	0.1	7.1		2.47		TAS				m_e	
MANZ	150.51		PKPbc	20:58:20.844		7.1		2.47		TAS				m_e	
MOX	149.90		PKPbc	20:58:18.983	0.3	7.1		2.47		TAS				m_e	
PLN	150.01		PKPbc	20:58:19.377	-0.0	7.1		2.47		TAS				m_e	
RGN	145.88		PKPbc	20:58:09.888	0.8	7.1		2.47		TAS				m_e	
RJOB	152.65		PKPbc	20:58:25.430		7.1		2.47		TAS				m_e	
ROTZ	150.72		PKPbc	20:58:21.168		7.1		2.47		TAS				m_e	
TANN	150.05		PKPbc	20:58:19.577	0.2	7.1		2.47		TAS				m_e	
TNS	150.49		PKPbc	20:58:21.134		7.1		2.47		TAS				m_e	
UBBA	149.84		PKPbc	20:58:18.838	0.1	7.1		2.47		TAS				m_e	
UBR	152.96		PKPbc	20:58:26.150		7.1		2.47		TAS				m_e	
WERD	150.03		PKPbc	20:58:19.621	-0.2	7.1		2.47		TAS				m_e	
WERN	150.18		PKPbc	20:58:19.966	-0.5	7.1		2.47		TAS				m_e	
WLF	151.03		PKPbc	20:58:22.217		7.1		2.47		TAS				m_e	

Event 51217002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2015/12/17 12:44:07.13 18.4140 120.0600 66.8 1.7 13 85.09 90.04 m i ke BGR
 51217008

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 51217008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	90.04		P	12:56:58.134		63.5		4.66		TAS		7.5	1.01	m_e	mb 4.9
BRG	85.65		P	12:56:37.694	0.1	63.5		4.66		TAS		25.5	1.32	m_e	mb 5.2
BRG	85.65		pP	12:56:56.182	-0.1	64.0		4.78		TAS				m_e	
BSEG	86.36		P	12:56:41.046	-0.5	63.5		4.66		TAS		14.3	1.07	m_e	mb 5.0
BSEG	86.36		pP	12:56:59.441	-0.0	64.0		4.78		TAS				m_e	
BUG	89.16		P	12:56:54.118		63.5		4.66		TAS		23.8	1.22	m_e	mb 5.3
CLL	86.01		P	12:56:38.999	0.1	63.5		4.66		TAS		17.8	1.15	m_e	mb 5.1
CLZ	87.26		P	12:56:45.182	0.3	63.5		4.66		TAS		13.2	1.09	m_e	mb 5.0
CLZ	87.26		pP	12:57:03.983		64.0		4.78		TAS				m_e	
FBE	85.97		P	12:56:39.406	-0.5	63.5		4.66		TAS		23.0	0.97	m_e	mb 5.3
FLT1	86.57		P	12:56:41.552	0.0	63.5		4.66		TAS		7.2	0.78	m_e	mb 4.9
FUR	88.37		P	12:56:50.870		63.5		4.66		TAS		29.8	0.83	m_e	mb 5.7
GEC2	86.61		P	12:56:42.440	0.0	63.5		4.66		TAS		9.1	1.09	m_e	mb 4.8
GEC2	86.61		pP	12:57:00.835	0.2	64.0		4.78		TAS				m_e	
GRA1	87.73		P	12:56:47.625		63.5		4.66		TAS		22.5	1.53	m_e	mb 5.3
GRA1	87.73		pP	12:57:06.297		64.0		4.78		TAS				m_e	
GUNZ	86.79		P	12:56:43.054	-0.1	63.5		4.66		TAS		28.4	1.42	m_e	mb 5.2
GUNZ	86.79		pP	12:57:01.624	0.1	64.0		4.78		TAS				m_e	
IBBN	88.48		P	12:56:50.921		63.5		4.66		TAS		25.0	0.95	m_e	mb 5.5
MANZ	87.08		P	12:56:44.879	0.0	63.5		4.66		TAS		3.6	1.43	m_e	mb 4.3
MOX	87.08		P	12:56:44.421	-0.1	63.5		4.66		TAS		16.5	1.31	m_e	mb 5.0
MOX	87.08		pP	12:57:02.846		64.0		4.78		TAS				m_e	
NEUB	86.76		P	12:56:43.148	-0.1	63.5		4.66		TAS		21.3	0.82	m_e	mb 5.3
NRDL	87.11		P	12:56:44.837	-0.1	63.5		4.66		TAS		22.4	1.11	m_e	mb 5.2
NRDL	87.11		pP	12:57:03.365		64.0		4.78		TAS				m_e	
PLN	86.84		P	12:56:43.280	0.3	63.5		4.66		TAS		30.3	1.76	m_e	mb 5.1
RJOB	87.62		P	12:56:47.086	-0.1	63.5		4.66		TAS		16.4	0.99	m_e	mb 5.3
RJOB	87.62		pP	12:57:05.809		64.0		4.78		TAS				m_e	
ROTZ	87.12		P	12:56:44.756	0.1	63.5		4.66		TAS		3.0	1.06	m_e	mb 4.4
ROTZ	87.12		pP	12:57:03.398		64.0		4.78		TAS				m_e	
RUE	85.09		P	12:56:35.331	-0.1	63.5		4.66		TAS		48.9	1.02	m_e	mb 5.7
RUE	85.09		pP	12:56:53.462	0.0	64.0		4.78		TAS				m_e	
TANN	86.70		P	12:56:42.724	0.2	63.5		4.66		TAS		20.6	1.69	m_e	mb 5.0
TANN	86.70		pP	12:57:01.036	0.2	64.0		4.78		TAS				m_e	
UBR	89.28		P	12:56:54.757		63.5		4.66		TAS		28.0	1.03	m_e	mb 5.4
UBR	89.28		pP	12:57:13.400		64.0		4.78		TAS				m_e	
WERN	86.80		P	12:56:43.203	0.2	63.5		4.66		TAS		7.8	0.88	m_e	mb 4.9
WET	86.98		P	12:56:44.352	0.3	63.5		4.66		TAS		5.9	1.26	m_e	mb 4.6

Event 51217003 Mexico-Guatemala border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/17	19:49:59.12			15.7100	-91.5900				103.8			11		83.10	88.04	m i ke	BGR
OrigID 51217009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	51217009
MBB	7.0		BGR	51217009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.42		P	20:02:15.594	0.4	289.8		4.91		TAS		436.4	1.12	m_e	MBB	7.1
ASSE	85.08		P	20:02:23.834	0.1	289.8		4.91		TAS		590.8	1.78	m_e	MBB	7.0
BFO	84.85		P	20:02:22.171	0.3	289.8		4.91		TAS		267.5	1.77	m_e	MBB	6.9
BRG	87.43		P	20:02:34.873	-0.3	289.8		4.91		TAS		175.3	1.66	m_e	MBB	6.8
BRG	87.43		X	20:49:11.219		294.7		2.68		TAS				m_e		
BSEG	84.29		P	20:02:19.744	0.1	289.8		4.91		TAS		1101.4	1.76	m_e	MBB	7.2
BUG	83.28		P	20:02:14.450	-0.3	289.8		4.91		TAS		420.1	1.45	m_e	MBB	7.1
CLL	86.72		P	20:02:31.349	0.1	289.8		4.91		TAS		207.6	1.61	m_e	MBB	6.9
CLL	86.72		PKKPbc	20:20:19.367		117.7		2.04		TAS				m_e		
CLZ	85.00		P	20:02:23.552	0.2	289.8		4.91		TAS		705.7	1.91	m_e	MBB	7.1
CLZ	85.00		X	20:49:04.724		294.7		2.68		TAS				m_e		
FBE	87.07		P	20:02:33.444	-0.1	289.8		4.91		TAS		1028.4	2.30	m_e	MBB	6.8
FBE	87.07		X	20:49:10.634		294.7		2.68		TAS				m_e		
FLT1	85.34		P	20:02:24.461	-0.1	289.8		4.91		TAS		650.5	1.75	m_e	MBB	7.1
FUR	86.77		P	20:02:32.106	0.2	289.8		4.91		TAS		321.5	2.01	m_e	MBB	6.9
GEC2	88.04		P	20:02:37.857		289.8		4.91		TAS		129.8	1.52	m_e	MBB	7.0
GEC2	88.04		PKKPbc	20:20:16.262		117.7		2.04		TAS				m_e		
GRA1	86.22		P	20:02:29.608	0.1	289.8		4.91		TAS		778.8	2.03	m_e	mb	6.5
GRA1	86.22		pP	20:02:56.629		284.3		4.97		TAS				m_e		
GRA1	86.22		PKKPbc	20:20:19.675		117.7		2.04		TAS				m_e		
GRA1	86.22		pPKKPbc	20:20:45.501		117.7		2.04		TAS				m_e		
GRA1	86.22		PxPxdf	20:28:24.550						T_				m_e		
GTTG	84.85		P	20:02:22.777	-0.4	289.8		4.91		TAS		555.9	1.67	m_e	MBB	7.1
GUNZ	86.66		P	20:02:31.516	-0.4	289.8		4.91		TAS		1092.1	2.49	m_e	MBB	6.7
IBBN	83.32		P	20:02:14.665	0.1	289.8		4.91		TAS		437.3	1.22	m_e	MBB	7.2
MANZ	86.66		P	20:02:31.455	0.2	289.8		4.91		TAS		138.3	2.47	m_e	MBB	6.3
MANZ	86.66		PKKPbc	20:20:20.089		117.7		2.04		TAS				m_e		
MANZ	86.66		X	20:49:09.335		294.7		2.68		TAS				m_e		
MOX	86.13		P	20:02:28.820	0.2	289.8		4.91		TAS		563.8	2.35	m_e	MBB	6.9
MOX	86.13		X	20:49:07.646		294.7		2.68		TAS				m_e		
NEUB	86.04		P	20:02:28.489	0.3	289.8		4.91		TAS		623.4	2.05	m_e	MBB	7.0
NRDL	84.63		P	20:02:21.491	0.2	289.8		4.91		TAS		821.9	1.90	m_e	MBB	7.2
NRDL	84.63		X	20:49:03.490	0.3	294.7		2.68		TAS				m_e		
PLN	86.51		P	20:02:30.818	0.1	289.8		4.91		TAS		487.6	2.26	m_e	MBB	6.9
RETH	84.12		P	20:02:19.297	0.0	289.8		4.91		TAS		1205.0	1.78	m_e	MBB	7.2
RETH	84.12		X	20:49:02.321	-0.2	294.7		2.68		TAS				m_e		
RJOB	87.88		P	20:02:37.352		289.8		4.91		TAS		107.7	1.57	m_e	MBB	7.0

NEUB	72.58	P	21:42:27.374	-0.1	28.9	5.72	TAS	134.9	1.10	m_e	MBB	6.1
NRDL	71.95	P	21:42:24.191	0.1	28.9	5.72	TAS	60.8	0.98	m_e	MBB	5.7
PLN	73.08	P	21:42:30.310	-0.2	28.9	5.72	TAS	49.8	1.13	m_e	MBB	5.8
RETH	71.95	P	21:42:23.984	-0.4	28.9	5.72	TAS	137.1	1.07	m_e	MBB	6.1
RGN	69.21	P	21:42:08.534	0.2	28.9	5.72	TAS	157.6	1.11	m_e	MBB	6.4
RJOB	75.26	P	21:42:43.160	-0.0	28.9	5.72	TAS	56.6	0.94	m_e	MBB	5.6
ROTZ	73.69	P	21:42:34.129	0.1	28.9	5.72	TAS	13.5	1.02	m_e	MBB	5.1
RUE	70.85	P	21:42:17.623	-0.1	28.9	5.72	TAS	132.6	0.94	m_e	MBB	6.2
STU	75.51	P	21:42:44.240	-0.3	28.9	5.72	TAS	199.3	1.10	m_e	MBB	6.3
TANN	73.04	P	21:42:30.090	-0.0	28.9	5.72	TAS	28.5	0.96	m_e	MBB	5.7
TNS	74.44	P	21:42:38.112	0.1	28.9	5.72	TAS	65.5	0.85	m_e	MBB	5.7
UBBA	73.45	P	21:42:32.616	0.2	28.9	5.72	TAS	31.5	0.76	m_e	MBB	5.7
UBR	76.19	P	21:42:48.033		28.9	5.72	TAS	24.7	0.81	m_e	mb	5.4
WERD	73.06	P	21:42:30.356	-0.1	28.9	5.72	TAS	52.7	1.15	m_e	MBB	5.7
WERN	73.18	P	21:42:31.220	0.0	28.9	5.72	TAS	62.5	0.89	m_e	MBB	5.9
WET	74.01	P	21:42:36.150	0.3	28.9	5.72	TAS	97.8	1.08	m_e	MBB	5.9

Event 51218004 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/18	11:46:48.95			-1.6800	-14.3700				10.0			23		53.58	57.78	m i ke	BGR
51218010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	51218010
Ms	4.9		BGR	51218010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	55.16		P	11:56:22.227	-0.5	211.6		7.17		TAS		170.7	1.95	m_e	mb 5.7
BFO	53.58		P	11:56:10.316	-0.1	211.6		7.17		TAS		165.6	2.21	m_e	mb 5.7
CLL	57.69		P	11:56:39.742		211.6		7.17		TAS		81.3	1.82	m_e	mb 5.4
CLZ	57.29		P	11:56:37.080	-0.1	211.6		7.17		TAS		133.8	2.43	m_e	mb 5.5
FUR	54.43		P	11:56:17.042	-0.1	211.6		7.17		TAS				m_e	
GEC2	55.89		P	11:56:27.692		211.6		7.17		TAS		177.3	1.97	m_e	mb 5.8
GRA1	55.71		P	11:56:25.730	-0.2	211.6		7.17		TAS		239.2	2.62	m_e	mb 5.8
GRA1	55.71		L	12:18:20.799						T__		805.7	21.80	a_e	Ms 4.8
GTTG	56.91		P	11:56:34.978	0.2	211.6		7.17		TAS				m_e	
GUNZ	56.66		P	11:56:32.736	0.6	211.6		7.17		TAS		30.4	1.37	m_e	mb 5.1
MANZ	56.27		P	11:56:30.074	-0.1	211.6		7.17		TAS		63.3	2.52	m_e	mb 5.2
MOX	56.66		P	11:56:32.736	-0.1	211.6		7.17		TAS		205.6	2.50	m_e	mb 5.7
MOX	56.66		L	12:20:44.507						T__		980.9	18.10	a_e	Ms 4.9
NRDL	57.78		P	11:56:41.143	-0.3	211.6		7.17		TAS		103.8	2.03	m_e	mb 5.5
PLN	56.71		P	11:56:33.156	0.3	211.6		7.17		TAS		55.0	1.72	m_e	mb 5.3
RETH	57.77		P	11:56:40.723	0.4	211.6		7.17		TAS		164.5	2.04	m_e	mb 5.7
RJOB	54.63		P	11:56:18.303		211.6		7.17		TAS				m_e	
ROTZ	56.12		P	11:56:28.813	0.2	211.6		7.17		TAS		36.7	2.16	m_e	mb 5.0

TANN	56.75	P	11:56:33.437	211.6	7.17	TAS	163.3	2.21	m_e	mb	5.7
TNS	55.28	P	11:56:22.927	-0.1 211.6	7.17	TAS	178.1	2.28	m_e	mb	5.7
UBBA	56.29	P	11:56:30.074	-0.2 211.6	7.17	TAS	158.3	2.07	m_e	mb	5.7
UBR	53.61	P	11:56:10.763	0.4 211.6	7.17	TAS	420.7	2.66	m_e	mb	6.0
WERD	56.73	P	11:56:33.156	-0.5 211.6	7.17	TAS	69.5	1.72	m_e	mb	5.4
WERN	56.61	P	11:56:32.456	211.6	7.17	TAS	113.9	1.88	m_e	mb	5.6
WET	55.83	P	11:56:27.131	211.6	7.17	TAS	293.7	2.44	m_e	mb	5.9

Event 51218008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/18	22:13:11.57			-17.4700	-177.6110				33.0			28		143.94	149.21	m i ke	BGR
	51218014																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.79		PKPbc	22:32:49.240	-0.0	15.6		2.91		TAS				m_e	
ASSE	144.80		PKPbc	22:32:42.927	-0.0	15.6		2.91		TAS				m_e	
BFO	148.84		PKPbc	22:32:54.711		15.6		2.91		TAS				m_e	
BRG	145.42		PKPbc	22:32:45.137	0.3	15.6		2.91		TAS				m_e	
BUG	145.89		PKPbc	22:32:46.399	0.2	15.6		2.91		TAS				m_e	
CLL	145.20		PKPbc	22:32:44.295	0.1	15.6		2.91		TAS				m_e	
CLZ	145.13		PKPbc	22:32:44.505	-0.1	15.6		2.91		TAS				m_e	
FBE	145.50		PKPbc	22:32:45.768	-0.3	15.6		2.91		TAS				m_e	
FLT1	144.52		PKPbc	22:32:41.770	-0.4	15.6		2.91		TAS				m_e	
FUR	148.54		PKPbc	22:32:53.869		15.6		2.91		TAS				m_e	
GEC2	147.38		PKPbc	22:32:50.818	-0.3	15.6		2.91		TAS				m_e	
GRA1	147.07		PKPbc	22:32:50.397	-0.2	15.6		2.91		TAS				m_e	
GTTG	145.47		PKPbc	22:32:45.557	0.5	15.6		2.91		TAS				m_e	
GUNZ	146.23		PKPbc	22:32:47.767	0.3	15.6		2.91		TAS				m_e	
IBBN	144.98		PKPbc	22:32:43.979	0.3	15.6		2.91		TAS				m_e	
NRDL	144.53		PKPbc	22:32:42.086	-0.3	15.6		2.91		TAS				m_e	
PLN	146.14		PKPbc	22:32:47.241	0.4	15.6		2.91		TAS				m_e	
RJOB	148.63		PKPbc	22:32:53.869		15.6		2.91		TAS				m_e	
ROTZ	146.82		PKPbc	22:32:49.345	0.5	15.6		2.91		TAS				m_e	
RUE	143.94		PKPbc	22:32:39.876	-0.6	15.6		2.91		TAS				m_e	
STU	148.29		PKPbc	22:32:53.448		15.6		2.91		TAS				m_e	
TANN	146.15		PKPbc	22:32:47.451	-0.1	15.6		2.91		TAS				m_e	
TNS	146.97		PKPbc	22:32:49.976	0.1	15.6		2.91		TAS				m_e	
UBR	149.21		PKPbc	22:32:55.237		15.6		2.91		TAS				m_e	
WERD	146.15		PKPbc	22:32:47.346	0.5	15.6		2.91		TAS				m_e	
WERN	146.29		PKPbc	22:32:48.082	0.6	15.6		2.91		TAS				m_e	
WET	147.28		PKPbc	22:32:50.502	-0.6	15.6		2.91		TAS				m_e	
WLF	147.74		PKPbc	22:32:52.606	-0.8	15.6		2.91		TAS				m_e	

Event 51218007 Nepal-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/18	22:16:43.11			27.8100	82.6200				10.0			18		55.73	59.86	m i ke	BGR
OrigID 51218013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	51218013
Ms	4.8		BGR	51218013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	55.73		P	22:26:20.782	0.0	84.7		7.05		TAS		20.9	1.06	m_e	mb	5.1
BSEG	57.76		P	22:26:34.993	-0.2	84.7		7.05		TAS		38.5	1.08	m_e	mb	5.4
BUG	59.86		P	22:26:49.651		84.7		7.05		TAS		38.5	1.07	m_e	mb	5.4
CLZ	57.89		P	22:26:36.040		84.7		7.05		TAS		55.9	1.20	m_e	mb	5.5
FBE	56.10		P	22:26:23.475	0.1	84.7		7.05		TAS		41.5	1.22	m_e	mb	5.3
FLT1	57.32		P	22:26:30.954	-0.0	84.7		7.05		TAS		40.5	1.25	m_e	mb	5.3
GEC2	56.02		P	22:26:22.577	-0.1	84.7		7.05		TAS				m_e		
GRA1	57.56		P	22:26:33.946	-0.0	84.7		7.05		TAS		47.5	1.33	m_e	mb	5.4
GRA1	57.56		L	22:53:18.620						T__		617.3	19.50	a_e	Ms	4.7
GUNZ	56.79		P	22:26:28.411	0.2	84.7		7.05		TAS		21.3	1.18	m_e	mb	5.1
IBBN	59.45		P	22:26:46.809		84.7		7.05		TAS		46.8	1.23	m_e	mb	5.4
MANZ	56.96		P	22:26:29.757	0.3	84.7		7.05		TAS		12.2	1.42	m_e	mb	4.7
MOX	57.22		L	22:52:53.559						T__		691.1	19.00	a_e	Ms	4.8
NRDL	58.00		P	22:26:37.087		84.7		7.05		TAS		58.9	1.08	m_e	mb	5.5
PLN	56.89		P	22:26:28.561	-0.9	84.7		7.05		TAS		29.3	1.47	m_e	mb	5.1
RJOB	56.73		P	22:26:27.514	-0.3	84.7		7.05		TAS		22.4	1.40	m_e	mb	5.0
ROTZ	56.92		P	22:26:29.309	0.3	84.7		7.05		TAS		8.9	1.19	m_e	mb	4.7
TNS	59.28		P	22:26:45.762		84.7		7.05		TAS		27.3	1.38	m_e	mb	5.1
WERD	56.80		P	22:26:27.962	0.3	84.7		7.05		TAS		17.1	1.09	m_e	mb	5.0
WERN	56.76		P	22:26:28.112	-0.4	84.7		7.05		TAS		19.3	1.32	m_e	mb	5.0

Event 51219001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/19	02:10:54.10			-18.2300	169.4500				10.0			12		143.13	146.27	m i ke	EMSC
OrigID 51219037																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	51219007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.27		PKP	02:30:34.256		37.6		3.28		TAS				m_e	

BUG	143.98	PKP	02:30:27.304	37.6	3.28	TAS												m_e
FUR	145.25	PKP	02:30:31.178	37.6	3.28	TAS												m_e
GRA1	144.06	L	03:39:31.892			T__					1504.5	19.70	a_e Ms				5.8	
MANZ	143.48	PKP	02:30:24.815	0.1	37.6	3.28	TAS											m_e
MOX	143.15	PKP	02:30:24.514	-0.0	37.6	3.28	TAS											m_e
MOX	143.15	L	03:37:48.234			T__					2077.9	20.40	a_e Ms				5.9	
RJOB	144.93	PKP	02:30:29.783	37.6	3.28	TAS												m_e
ROTZ	143.61	PKP	02:30:25.284	37.6	3.28	TAS												m_e
STU	145.59	PKP	02:30:31.897	37.6	3.28	TAS												m_e
TNS	144.64	PKP	02:30:28.684	37.6	3.28	TAS												m_e
UBR	146.12	PKP	02:30:33.722	37.6	3.28	TAS												m_e
WERN	143.13	PKP	02:30:23.662	-0.1	37.6	3.28	TAS											m_e
WLF	145.88	PKP	02:30:33.286	37.6	3.28	TAS												m_e

Event 51221004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/21	12:36:52.98			-18.0810	-174.7140				33.0				15	145.45	150.22	m i ke	BGR
51221010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	146.56		PKPbc	12:56:30.223	-0.0	10.7		2.78		TAS					m_e
CLL	146.29		PKPbc	12:56:29.115	-0.3	10.7		2.78		TAS					m_e
FBE	146.61		PKPbc	12:56:30.698	0.3	10.7		2.78		TAS					m_e
FLT1	145.50		PKPbc	12:56:26.689	-0.6	10.7		2.78		TAS					m_e
GEC2	148.56		PKPbc	12:56:35.552	-0.3	10.7		2.78		TAS					m_e
GUNZ	147.30		PKPbc	12:56:32.545	0.3	10.7		2.78		TAS					m_e
IBBN	145.79		PKPbc	12:56:28.219	-0.1	10.7		2.78		TAS					m_e
MANZ	147.70		PKPbc	12:56:33.758	0.4	10.7		2.78		TAS					m_e
MOX	147.12		PKPbc	12:56:31.648	-0.1	10.7		2.78		TAS					m_e
NRDL	145.45		PKPbc	12:56:26.741	-0.4	10.7		2.78		TAS					m_e
PLN	147.21		PKPbc	12:56:32.123	0.1	10.7		2.78		TAS					m_e
ROTZ	147.90		PKPbc	12:56:34.180	0.3	10.7		2.78		TAS					m_e
TANN	147.23		PKPbc	12:56:32.386	0.3	10.7		2.78		TAS					m_e
TNS	147.84		PKPbc	12:56:34.655	0.8	10.7		2.78		TAS					m_e
UBR	150.22		PKPbc	12:56:39.561	-0.8	10.7		2.78		TAS					m_e

Event 51223001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/23	06:43:22.35			48.8200	155.5890				57.6				15	74.76	79.33	m i ke	BGR

51223007

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	51223007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.40		P	06:55:09.233		23.2		5.63		TAS		10.4	0.81	m_e	mb	5.0
BFO	79.17		P	06:55:19.134		23.2		5.63		TAS		4.7	0.73	m_e	mb	4.6
BRG	75.39		P	06:54:57.627	-0.4	23.2		5.63		TAS		1.6	0.80	m_e	mb	4.1
CLL	75.25		P	06:54:56.757	-0.5	23.2		5.63		TAS		6.6	0.94	m_e	mb	4.6
CLZ	75.42		P	06:54:57.941	0.1	23.2		5.63		TAS				m_e		
FBE	75.51		P	06:54:58.872	0.1	23.2		5.63		TAS		2.5	0.75	m_e	mb	4.4
FLT1	74.76		P	06:54:54.225	0.5	23.2		5.63		TAS		6.2	0.87	m_e	mb	4.7
FUR	78.58		P	06:55:15.656		23.2		5.63		TAS		13.3	0.66	m_e	mb	5.1
GEC2	77.30		P	06:55:08.703	-0.3	23.2		5.63		TAS		2.9	0.72	m_e	mb	4.5
GRA1	77.19		P	06:55:08.058	0.4	23.2		5.63		TAS		12.4	0.96	m_e	mb	5.0
GUNZ	76.28		P	06:55:02.973	0.3	23.2		5.63		TAS		3.2	0.81	m_e	mb	4.5
MANZ	76.69		P	06:55:05.427	0.1	23.2		5.63		TAS		0.9	0.89	m_e	mb	3.9
MOX	76.21		P	06:55:02.612	0.1	23.2		5.63		TAS		3.3	0.89	m_e	mb	4.5
RJOB	78.56		P	06:55:15.551		23.2		5.63		TAS		3.9	0.82	m_e	mb	4.5
ROTZ	76.86		P	06:55:06.334	0.3	23.2		5.63		TAS		0.8	0.80	m_e	mb	3.9
STU	78.55		P	06:55:15.632		23.2		5.63		TAS		24.6	0.84	m_e	mb	5.3
TANN	76.20		P	06:55:02.447	0.1	23.2		5.63		TAS		1.9	0.80	m_e	mb	4.3
TNS	77.38		P	06:55:09.116	-0.3	23.2		5.63		TAS		8.0	0.73	m_e	mb	4.9
UBR	79.33		P	06:55:19.813		23.2		5.63		TAS		3.1	0.84	m_e	mb	4.4
WERN	76.34		P	06:55:03.458	0.1	23.2		5.63		TAS		7.3	1.00	m_e	mb	4.8
WET	77.25		P	06:55:08.490	0.4	23.2		5.63		TAS		6.0	0.86	m_e	mb	4.7

Event 51223002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/23	15:37:08.81			-20.5780	169.0920				35.6	1.1		25		143.95	148.28	m i ke	BGR
51223008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.90		PKPbc	15:56:36.741	0.2	39.1		3.05		TAS				m_e	
BFO	148.28		PKPbc	15:56:39.940		39.1		3.05		TAS				m_e	
BFO	148.28		pPKPbc	15:56:50.271						T__				m_e	
BRG	144.00		PKPbc	15:56:26.986	-0.6	39.1		3.05		TAS				m_e	
CLL	144.06		PKPbc	15:56:27.018	-0.5	39.1		3.05		TAS				m_e	
CLZ	144.66		PKPbc	15:56:29.342	0.1	39.1		3.05		TAS				m_e	
CLZ	144.66		pPKPbc	15:56:40.243						T__				m_e	
FBE	144.21		PKPbc	15:56:27.819	-0.1	39.1		3.05		TAS				m_e	
FLT1	143.95		PKPbc	15:56:26.821	-0.4	39.1		3.05		TAS				m_e	

GEC2	145.59	PKPbc	15:56:32.252	-0.1	39.1	3.05	TAS	m_e
GTTG	145.05	PKPbc	15:56:30.736	0.8	39.1	3.05	TAS	m_e
GTTG	145.05	pPKPbc	15:56:41.471				T__	m_e
GUNZ	145.06	PKPbc	15:56:30.737	0.5	39.1	3.05	TAS	m_e
GUNZ	145.06	pPKPbc	15:56:41.438				T__	m_e
IBBN	145.17	PKPbc	15:56:31.473	-0.1	39.1	3.05	TAS	m_e
MANZ	145.44	PKPbc	15:56:31.508	-0.1	39.1	3.05	TAS	m_e
MOX	145.13	PKPbc	15:56:31.005	0.3	39.1	3.05	TAS	m_e
NEUB	144.64	PKPbc	15:56:29.093	-0.1	39.1	3.05	TAS	m_e
NEUB	144.64	pPKPbc	15:56:40.070				T__	m_e
NRDL	144.22	PKPbc	15:56:28.087	-0.0	39.1	3.05	TAS	m_e
RJOB	146.81	PKPbc	15:56:36.413	0.1	39.1	3.05	TAS	m_e
ROTZ	145.57	PKPbc	15:56:32.112	0.1	39.1	3.05	TAS	m_e
STU	147.58	PKPbc	15:56:38.284	-0.5	39.1	3.05	TAS	m_e
TANN	144.97	PKPbc	15:56:30.391	-0.0	39.1	3.05	TAS	m_e
TANN	144.97	pPKPbc	15:56:40.890				T__	m_e
TNS	146.68	PKPbc	15:56:35.646	0.4	39.1	3.05	TAS	m_e
UBR	148.06	PKPbc	15:56:39.324		39.1	3.05	TAS	m_e
UBR	148.06	pPKPbc	15:56:49.689				T__	m_e
WERD	145.01	PKPbc	15:56:30.337	0.3	39.1	3.05	TAS	m_e
WERD	145.01	pPKPbc	15:56:41.306				T__	m_e
WERN	145.10	PKPbc	15:56:30.972	0.4	39.1	3.05	TAS	m_e
WERN	145.10	pPKPbc	15:56:41.460				T__	m_e
WET	145.75	PKPbc	15:56:32.750	-0.4	39.1	3.05	TAS	m_e
WLF	147.96	PKPbc	15:56:39.827	-0.8	39.1	3.05	TAS	m_e
WLF	147.96	pPKPbc	15:56:50.463				T__	m_e

Event 51223003 Northern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/23	19:46:46.13			42.8890	91.1480				21.6	1.4		10		51.12	55.50	m i ke	BGR
51223009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	51223009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	55.50		P	19:56:22.861		64.6		7.41		TAS		3.0	0.80	m_e	mb 4.3
BFO	55.50		pP	19:56:29.147						T__				m_e	
BRG	51.12		P	19:55:50.497	-0.3	64.6		7.41		TAS		2.6	0.84	m_e	mb 4.4
BRG	51.12		pP	19:55:56.151						T__				m_e	
CLL	51.49		P	19:55:53.165	-0.1	64.6		7.41		TAS		5.7	0.70	m_e	mb 4.7
CLL	51.49		pP	19:55:59.031						T__				m_e	
FBE	51.44		P	19:55:52.896	0.7	64.6		7.41		TAS		4.2	0.79	m_e	mb 4.5
FBE	51.44		pP	19:55:58.933						T__				m_e	
FUR	53.83		P	19:56:11.629		64.6		7.41		TAS		6.0	0.73	m_e	mb 4.6

GRA1	53.19	P	19:56:06.953	64.6	7.41	TAS	6.3	0.73	m_e	mb	4.6
GRA1	53.19	pP	19:56:12.497			T__				m_e	
GTTG	53.13	P	19:56:06.184	64.6	7.41	TAS	11.6	0.84	m_e	mb	4.8
GUNZ	52.26	P	19:55:59.258	0.7 64.6	7.41	TAS	4.3	0.74	m_e	mb	4.5
MANZ	52.55	P	19:56:01.653	64.6	7.41	TAS				m_e	
MANZ	52.55	pP	19:56:07.581			T__				m_e	
MOX	52.56	P	19:56:01.430	64.6	7.41	TAS				m_e	
MOX	52.56	pP	19:56:07.358			T__				m_e	
NEUB	52.24	P	19:55:58.718	0.7 64.6	7.41	TAS				m_e	
NEUB	52.24	pP	19:56:04.646			T__				m_e	
NRDL	52.66	P	19:56:01.984	64.6	7.41	TAS	4.8	0.85	m_e	mb	4.5
RJOB	53.10	P	19:56:05.477	64.6	7.41	TAS	5.8	0.83	m_e	mb	4.5
TANN	52.16	P	19:55:58.764	-0.3 64.6	7.41	TAS	3.8	0.87	m_e	mb	4.4
TANN	52.16	pP	19:56:04.529			T__				m_e	
TNS	54.57	P	19:56:16.929	64.6	7.41	TAS	2.6	0.87	m_e	mb	4.2
UBR	54.75	P	19:56:18.371	64.6	7.41	TAS	7.4	0.75	m_e	mb	4.7
WERD	52.24	P	19:55:59.148	-0.3 64.6	7.41	TAS	3.8	0.76	m_e	mb	4.5
WERD	52.24	pP	19:56:05.198			T__				m_e	
WET	52.44	P	19:56:00.508	64.6	7.41	TAS	1.8	0.82	m_e	mb	4.0
WET	52.44	pP	19:56:06.546			T__				m_e	

Event 51223004 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/23	20:10:54.65			-15.9420	179.7930				255.0			25		142.58	147.22	m i ke	BGR
51223010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.95		PKPab	20:30:09.422		19.4		4.48		TAS				m_e	
BRG	143.34		PKPab	20:29:53.184	-0.6	19.4		4.48		TAS				m_e	
BUG	144.09		PKPab	20:29:57.434	0.1	19.4		4.48		TAS				m_e	
CLL	143.17		PKPab	20:29:52.375	-0.1	19.4		4.48		TAS				m_e	
CLZ	143.21		PKPab	20:29:52.580	0.1	19.4		4.48		TAS				m_e	
FBE	143.44		PKPab	20:29:53.808	0.1	19.4		4.48		TAS				m_e	
FLT1	142.58		PKPab	20:29:49.780	0.1	19.4		4.48		TAS				m_e	
FUR	146.51		PKPab	20:30:07.257		19.4		4.48		TAS				m_e	
GEC2	145.27		PKPab	20:30:01.941	-0.3	19.4		4.48		TAS				m_e	
GRA1	145.08		PKPab	20:30:00.913		19.4		4.48		TAS				m_e	
GTTG	143.56		PKPab	20:29:54.271	0.4	19.4		4.48		TAS				m_e	
GUNZ	144.20		PKPab	20:29:57.113	0.1	19.4		4.48		TAS				m_e	
IBBN	143.17		PKPab	20:29:53.106	0.4	19.4		4.48		TAS				m_e	
MANZ	144.60		PKPab	20:29:58.913	-0.3	19.4		4.48		TAS				m_e	
MOX	144.10		PKPab	20:29:56.400	-0.2	19.4		4.48		TAS				m_e	
NEUB	143.54		PKPab	20:29:54.113	0.2	19.4		4.48		TAS				m_e	

RJOB	146.52	PKPab	20:30:07.751	0.2	19.4	4.48	TAS	m_e
ROTZ	144.79	PKPab	20:29:59.649	0.2	19.4	4.48	TAS	m_e
STU	146.37	PKPab	20:30:06.856		19.4	4.48	TAS	m_e
TANN	144.12	PKPab	20:29:56.591	-0.7	19.4	4.48	TAS	m_e
TNS	145.10	PKPab	20:30:01.374		19.4	4.48	TAS	m_e
UBBA	144.25	PKPab	20:29:57.452	-0.3	19.4	4.48	TAS	m_e
UBR	147.22	PKPab	20:30:11.495		19.4	4.48	TAS	m_e
WERN	144.26	PKPab	20:29:57.482	-0.3	19.4	4.48	TAS	m_e
WET	145.21	PKPab	20:30:01.464		19.4	4.48	TAS	m_e

Event 51223006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/23	21:22:13.10			-24.8330	-179.7710				33.0				9	151.29	153.86	m i ke	BGR
51223012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.93		PKPbc	21:42:08.460	-0.3	23.0		2.22		TAS					m_e
CLL	151.81		PKPbc	21:42:08.213	-0.0	23.0		2.22		TAS					m_e
CLZ	151.94		PKPbc	21:42:08.905		23.0		2.22		TAS					m_e
FBE	152.06		PKPbc	21:42:08.962	0.1	23.0		2.22		TAS					m_e
FLT1	151.29		PKPbc	21:42:06.772	0.2	23.0		2.22		TAS					m_e
GEC2	153.80		PKPbc	21:42:12.678		23.0		2.22		TAS					m_e
MANZ	153.24		PKPbc	21:42:11.556	0.3	23.0		2.22		TAS					m_e
MOX	152.77		PKPbc	21:42:10.257		23.0		2.22		TAS					m_e
NRDL	151.38		PKPbc	21:42:07.579		23.0		2.22		TAS					m_e
TANN	152.76		PKPbc	21:42:10.576	-0.4	23.0		2.22		TAS					m_e
TNS	153.86		PKPbc	21:42:12.709		23.0		2.22		TAS					m_e
WET	153.79		PKPbc	21:42:12.773		23.0		2.22		TAS					m_e

Event 51223007 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/23	22:28:25.26			-15.8330	-172.6090				33.0					146.09	146.09	m i ke	BGR
51223013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.09		PKPbc	22:48:05.897		7.9		3.31		TAS					m_e

Event 51224003 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/24	11:54:33.49			72.7050	4.7240				10.0					23.28	23.28	m i ke	BGR
OrigID 51224009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	51224009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.28		P	11:59:37.885		353.4		9.78		TAS		7.7	0.93	m_e mb	4.2

Event 51224004 Southern Pacific Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/24	19:44:09.84			-66.2770	-126.3650				33.0					152.80	152.80	m i ke	BGR
OrigID 51224010																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.80		PKPbc	20:04:03.900		216.5		2.42		TAS				m_e	

Event 51224005 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/24	23:11:00.49			-7.3180	129.0080				140.1				23	111.36	115.61	m i ke	BGR
OrigID 51224011																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	115.61		PKPdf	23:29:25.021	0.6	75.5		1.87		TAS				m_e	
BFO	115.59		PKPdf	23:29:24.163	-0.3	75.5		1.87		TAS				m_e	
BRG	111.36		PKPdf	23:29:16.573	0.1	75.5		1.87		TAS				m_e	
BSEG	112.56		PKPdf	23:29:19.098	0.2	75.5		1.87		TAS				m_e	
BUG	115.17		PKPdf	23:29:23.837	-0.2	75.5		1.87		TAS				m_e	
CLL	111.81		PKPdf	23:29:17.177	-0.2	75.5		1.87		TAS				m_e	
CLZ	113.21		PKPdf	23:29:20.120	-0.0	75.5		1.87		TAS				m_e	
FBE	111.70		PKPdf	23:29:17.101	-0.1	75.5		1.87		TAS				m_e	

FLT1	112.55	PKPdf	23:29:19.019	-0.3	75.5	1.87	TAS	m_e
FUR	113.77	PKPdf	23:29:20.875	0.0	75.5	1.87	TAS	m_e
GEC2	112.03	PKPdf	23:29:17.705	0.1	75.5	1.87	TAS	m_e
GRA1	113.36	PKPdf	23:29:20.422	0.2	75.5	1.87	TAS	m_e
GTTG	113.55	PKPdf	23:29:20.970	-0.2	75.5	1.87	TAS	m_e
GUNZ	112.48	PKPdf	23:29:18.750	0.2	75.5	1.87	TAS	m_e
MANZ	112.73	PKPdf	23:29:19.101	-0.2	75.5	1.87	TAS	m_e
MOX	112.84	PKPdf	23:29:19.146	-0.3	75.5	1.87	TAS	m_e
RJOB	112.90	PKPdf	23:29:19.119	-0.3	75.5	1.87	TAS	m_e
STU	114.91	PKPdf	23:29:23.349	-0.1	75.5	1.87	TAS	m_e
TANN	112.39	PKPdf	23:29:18.503	0.3	75.5	1.87	TAS	m_e
UBR	114.66	PKPdf	23:29:22.496	-0.0	75.5	1.87	TAS	m_e
WERD	112.47	PKPdf	23:29:18.667	-0.1	75.5	1.87	TAS	m_e
WERN	112.48	PKPdf	23:29:18.431	0.3	75.5	1.87	TAS	m_e
WET	112.48	PKPdf	23:29:18.837	0.4	75.5	1.87	TAS	m_e

Event 51225001 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/25	02:24:32.27			34.4330	25.4100				10.0					18.48	18.48	m i ke	BGR
OrigID 51225007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	18.48		P	02:28:46.938		346.6		8.62		TAS					m_e

Event 51225002 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/25	19:14:47.78			36.4270	71.1680				202.5				33	42.78	47.88	m i ke	BGR
OrigID 51225008																	

Magnitude Err Nsta Author OrigID

mb	6.3		BGR	51225008
MBB	6.8		BGR	51225008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.15		P	19:22:59.057	-0.1	85.4		7.83		TAS		402.1	1.01	m_e	MBB 7.1
ASSE	44.73		P	19:22:39.603	-0.6	85.4		7.83		TAS				m_e	
BFO	46.69		P	19:22:54.380	-0.6	85.4		7.83		TAS		207.5	1.18	m_e	MBB 6.8
BRG	42.78		P	19:22:24.700	-0.2	85.4		7.83		TAS		528.2	0.93	m_e	MBB 6.4
BSEG	44.84		P	19:22:41.411	0.8	85.4		7.83		TAS		731.3	0.88	m_e	MBB 7.0

BUG	46.91	P	19:22:56.874	-0.3	85.4	7.83	TAS	560.6	1.01	m_e	MBB	7.1
CLL	43.34	P	19:22:28.441	-0.9	85.4	7.83	TAS	264.1	0.97	m_e	MBB	6.5
CLZ	44.94	P	19:22:41.785	-0.0	85.4	7.83	TAS	1128.0	1.60	m_e	MBB	6.9
FBE	43.14	P	19:22:27.943	0.2	85.4	7.83	TAS	671.3	0.91	m_e	MBB	6.8
FLT1	44.37	P	19:22:36.797	-0.5	85.4	7.83	TAS	995.0	0.81	m_e	MBB	6.9
FUR	44.76	P	19:22:40.475	0.7	85.4	7.83	TAS	950.2	1.38	m_e	MBB	7.0
GEC2	43.08	P	19:22:27.132	0.3	85.4	7.83	TAS	175.1	1.15	m_e	MBB	6.3
GRA1	44.61	P	19:22:39.603	0.5	85.4	7.83	TAS			m_e		
GTTG	45.22	P	19:22:43.967	-0.1	85.4	7.83	TAS	847.2	0.89	m_e	MBB	7.1
GUNZ	43.83	P	19:22:33.305	0.2	85.4	7.83	TAS	313.4	1.00	m_e	MBB	6.5
HLG	46.26	P	19:22:51.637	0.1	85.4	7.83	TAS	1637.6	1.45	m_e	MBB	7.3
IBBN	46.51	P	19:22:54.006	0.0	85.4	7.83	TAS	842.8	0.86	m_e	MBB	7.3
MANZ	44.01	P	19:22:34.750		85.4	7.83	TAS	80.7	1.01	m_e	MBB	6.0
MOX	44.27	P	19:22:36.485	-0.0	85.4	7.83	TAS	370.8	1.11	m_e	MBB	6.6
NEUB	44.12	P	19:22:35.300	-0.1	85.4	7.83	TAS	707.3	0.90	m_e	MBB	6.8
NRDL	45.05	P	19:22:42.845	0.2	85.4	7.83	TAS	545.8	1.02	m_e	MBB	7.0
PLN	43.93	P	19:22:33.991	0.1	85.4	7.83	TAS	237.6	0.96	m_e	MBB	6.5
RETH	45.49	P	19:22:45.963	-0.0	85.4	7.83	TAS	348.9	1.04	m_e	MBB	6.8
RGN	43.07	P	19:22:27.257	0.8	85.4	7.83	TAS	2813.5	1.14	m_e	MBB	7.3
ROTZ	43.97	P	19:22:34.547		85.4	7.83	TAS	111.6	1.17	m_e	MBB	6.1
RUE	42.81	P	19:22:24.326	-0.8	85.4	7.83	TAS	733.6	1.01	m_e	MBB	6.7
STU	46.05	P	19:22:50.577	0.5	85.4	7.83	TAS	790.2	0.86	m_e	MBB	7.4
TANN	43.75	P	19:22:32.307	-0.1	85.4	7.83	TAS			m_e		
TNS	46.33	P	19:22:52.572	-0.1	85.4	7.83	TAS	271.8	1.09	m_e	MBB	6.7
UBBA	45.27	P	19:22:44.092	-0.3	85.4	7.83	TAS	168.5	0.90	m_e	MBB	6.7
UBR	45.61	P	19:22:46.337	0.1	85.4	7.83	TAS	412.5	0.90	m_e	MBB	7.1
WERD	43.84	P	19:22:33.180	-0.0	85.4	7.83	TAS	326.3	1.01	m_e	MBB	6.5
WERN	43.81	P	19:22:33.055	0.1	85.4	7.83	TAS	159.4	1.07	m_e	MBB	6.4
WET	43.59	P	19:22:30.748	-0.2	85.4	7.83	TAS	102.2	1.18	m_e	MBB	6.3
WLF	47.88	P	19:23:04.855	0.1	85.4	7.83	TAS	663.6	0.92	m_e	MBB	7.2

Event 51226001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/26	00:29:02.43			-21.1900	-177.2400				33.0			17		146.80	152.30	m i ke	BGR
51226007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	149.10		PKPbc	00:48:51.920	-0.5	18.5		2.71		TAS					m_e
BSEG	146.80		PKPbc	00:48:45.746		18.5		2.71		TAS					m_e
CLL	148.89		PKPbc	00:48:51.266	0.3	18.5		2.71		TAS					m_e
FBE	149.18		PKPbc	00:48:52.009	-0.1	18.5		2.71		TAS					m_e
FLT1	148.23		PKPbc	00:48:49.216		18.5		2.71		TAS					m_e
GEC2	151.05		PKPbc	00:48:56.836	0.1	18.5		2.71		TAS					m_e

GRA1	150.78	PKPbc	00:48:56.237	18.5	2.71	TAS	m_e
GTTG	149.18	PKPbc	00:48:52.144	18.5	2.71	TAS	m_e
GUNZ	149.92	PKPbc	00:48:54.013	-0.1 18.5	2.71	TAS	m_e
MANZ	150.32	PKPbc	00:48:55.103	-0.1 18.5	2.71	TAS	m_e
MOX	149.79	PKPbc	00:48:53.617	0.2 18.5	2.71	TAS	m_e
RJOB	152.30	PKPbc	00:49:00.132	18.5	2.71	TAS	m_e
ROTZ	150.51	PKPbc	00:48:55.409	-0.3 18.5	2.71	TAS	m_e
TANN	149.85	PKPbc	00:48:54.057	0.1 18.5	2.71	TAS	m_e
WERD	149.85	PKPbc	00:48:53.745	0.1 18.5	2.71	TAS	m_e
WERN	149.99	PKPbc	00:48:54.362	0.1 18.5	2.71	TAS	m_e
WET	150.96	PKPbc	00:48:56.757	0.1 18.5	2.71	TAS	m_e

Event 51226002 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/26	11:00:55.48			35.5030	27.5420				33.0				28	16.43	22.02	m i ke	BGR
51226008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	51226008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.10		P	11:05:33.953		134.0		11.05		TAS					m_e
ASSE	20.52		P	11:05:26.382		134.0		11.05		TAS					m_e
BFO	19.13		P	11:05:11.989	0.9	134.0		11.05		TAS					m_e
BRG	18.24		P	11:05:01.735	1.2	134.0		11.05		TAS					m_e
BSEG	22.02		P	11:05:42.977		134.0		11.05		TAS					m_e
BUG	21.57		P	11:05:39.190		134.0		11.05		TAS					m_e
CLL	18.95		P	11:05:10.534	1.0	134.0		11.05		TAS					m_e
CLZ	20.43		P	11:05:24.644	-0.8	134.0		11.05		TAS					m_e
FBE	18.51		P	11:05:05.212	1.1	134.0		11.05		TAS					m_e
FLT1	20.44		P	11:05:25.662	1.3	134.0		11.05		TAS					m_e
FUR	17.47		P	11:04:52.642	-1.2	134.0		11.05		TAS					m_e
GEC2	16.78		P	11:04:45.660	-0.9	134.0		11.05		TAS					m_e
GRA1	18.53		P	11:05:06.752	0.8	134.0		11.05		TAS					m_e
GRA1	18.53		L	11:12:52.874						T__		1177.5	20.60	a_e Ms	4.2
GTTG	20.40		P	11:05:26.244	-0.5	134.0		11.05		TAS					m_e
GUNZ	18.51		P	11:05:06.134	-0.0	134.0		11.05		TAS					m_e
MANZ	18.33		P	11:05:03.988	0.3	134.0		11.05		TAS					m_e
MOX	19.03		P	11:05:12.081	0.3	134.0		11.05		TAS					m_e
MOX	19.03		L	11:13:41.674						T__		1138.6	20.20	a_e Ms	4.2
NEUB	19.36		P	11:05:14.670		134.0		11.05		TAS					m_e
NRDL	21.02		P	11:05:32.062	-0.3	134.0		11.05		TAS					m_e
RJOB	16.43		P	11:04:41.296	-1.2	134.0		11.05		TAS					m_e
ROTZ	18.13		P	11:05:01.516	0.1	134.0		11.05		TAS					m_e
RUE	19.59		P	11:05:16.754	0.1	134.0		11.05		TAS					m_e

STU	18.93	P	11:05:10.680	1.1	134.0	11.05	TAS	m_e
TANN	18.49	P	11:05:05.298	0.1	134.0	11.05	TAS	m_e
TNS	20.22	P	11:05:24.539	-2.0	134.0	11.05	TAS	m_e
UBBA	19.87	P	11:05:20.805		134.0	11.05	TAS	m_e
UBR	17.79	P	11:04:56.279	-0.2	134.0	11.05	TAS	m_e
WERD	18.58	P	11:05:06.461	0.2	134.0	11.05	TAS	m_e
WERN	18.43	P	11:05:05.007	0.4	134.0	11.05	TAS	m_e
WET	17.37	P	11:04:51.897	-2.1	134.0	11.05	TAS	m_e
WLF	21.07	P	11:05:31.895	-1.7	134.0	11.05	TAS	m_e

Event 51226003 Eastern Kalaallit Nunaat

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/26	14:18:55.80			75.9440	-24.3420				10.0					29.95	29.95	m i ke	BGR
51226009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	51226009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	29.95		P	14:25:03.229		346.2		9.45		TAS		3.3	0.91	m_e mb	4.2

Event 51226004 Leyte, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/26	22:11:23.62			10.0280	125.9800				99.7					97.84	97.84	m i ke	BGR
51226010																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	97.84		PKPbc	22:24:46.566		65.5		3.97		TAS				m_e	

Event 51227001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/27	08:06:02.26			-20.9270	-178.7650				568.1				30	146.32	152.36	m i ke	BGR
51227007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.09		PKPbc	08:24:48.608	0.0	17.9		2.31		TAS				m_e	
BFO	152.07		PKPbc	08:24:52.945	-0.1	17.9		2.31		TAS				m_e	
BFO	152.07		PKPab	08:25:04.988		17.9		2.31		TAS				m_e	
BRG	148.49		PKPbc	08:24:44.804	-0.1	17.9		2.31		TAS				m_e	
BRG	148.49		PKPab	08:24:50.042		17.9		2.31		TAS				m_e	
BSEG	146.32		PKPbc	08:24:39.326	-0.5	17.9		2.31		TAS				m_e	
BSEG	146.32		PKPab	08:24:42.017		17.9		2.31		TAS				m_e	
BUG	149.18		PKPbc	08:24:46.437	-0.4	17.9		2.31		TAS				m_e	
BUG	149.18		PKPab	08:24:53.133		17.9		2.31		TAS				m_e	
CLL	148.31		PKPbc	08:24:44.271	-0.1	17.9		2.31		TAS				m_e	
CLL	148.31		PKPab	08:24:49.363		17.9		2.31		TAS				m_e	
CLZ	148.33		PKPbc	08:24:44.499	0.1	17.9		2.31		TAS				m_e	
CLZ	148.33		PKPab	08:24:49.809		17.9		2.31		TAS				m_e	
FBE	148.59		PKPbc	08:24:45.336	0.3	17.9		2.31		TAS				m_e	
FBE	148.59		PKPab	08:24:50.886		17.9		2.31		TAS				m_e	
FLT1	147.71		PKPbc	08:24:42.673	-0.3	17.9		2.31		TAS				m_e	
FLT1	147.71		PKPab	08:24:46.605		17.9		2.31		TAS				m_e	
FUR	151.65		PKPbc	08:24:51.880	-0.2	17.9		2.31		TAS				m_e	
FUR	151.65		PKPab	08:25:04.041		17.9		2.31		TAS				m_e	
GEC2	150.41		PKPbc	08:24:49.369	-0.0	17.9		2.31		TAS				m_e	
GEC2	150.41		PKPab	08:24:58.974		17.9		2.31		TAS				m_e	
GRA1	150.22		PKPbc	08:24:48.988	0.2	17.9		2.31		TAS				m_e	
GRA1	150.22		PKPab	08:24:57.662		17.9		2.31		TAS				m_e	
GTTG	148.69		PKPbc	08:24:45.412	0.2	17.9		2.31		TAS				m_e	
GUNZ	149.34		PKPbc	08:24:46.934	0.2	17.9		2.31		TAS				m_e	
GUNZ	149.34		PKPab	08:24:54.085		17.9		2.31		TAS				m_e	
MANZ	149.75		PKPbc	08:24:47.771	0.1	17.9		2.31		TAS				m_e	
MOX	149.23		PKPbc	08:24:46.554	0.1	17.9		2.31		TAS				m_e	
MOX	149.23		PKPab	08:24:53.108		17.9		2.31		TAS				m_e	
NEUB	148.68		PKPbc	08:24:45.489	0.3	17.9		2.31		TAS				m_e	
NEUB	148.68		PKPab	08:24:50.767		17.9		2.31		TAS				m_e	
NRDL	147.75		PKPbc	08:24:42.902	-0.2	17.9		2.31		TAS				m_e	
NRDL	147.75		PKPab	08:24:47.266		17.9		2.31		TAS				m_e	
RJOB	151.67		PKPbc	08:24:51.880	-0.4	17.9		2.31		TAS				m_e	
RJOB	151.67		PKPab	08:25:04.175		17.9		2.31		TAS				m_e	
ROTZ	149.93		PKPbc	08:24:47.999	-0.1	17.9		2.31		TAS				m_e	
ROTZ	149.93		PKPab	08:24:56.361		17.9		2.31		TAS				m_e	
RUE	147.04		PKPbc	08:24:41.380	-0.1	17.9		2.31		TAS				m_e	
RUE	147.04		PKPab	08:24:43.817		17.9		2.31		TAS				m_e	
STU	151.50		PKPbc	08:24:51.804	0.1	17.9		2.31		TAS				m_e	
STU	151.50		PKPab	08:25:02.919		17.9		2.31		TAS				m_e	
TANN	149.26		PKPbc	08:24:46.858	0.3	17.9		2.31		TAS				m_e	
TANN	149.26		PKPab	08:24:53.534		17.9		2.31		TAS				m_e	
TNS	150.21		PKPbc	08:24:49.065	0.3	17.9		2.31		TAS				m_e	
TNS	150.21		PKPab	08:24:57.604		17.9		2.31		TAS				m_e	
UBBA	149.38		PKPbc	08:24:47.086	0.3	17.9		2.31		TAS				m_e	
UBR	152.36		PKPbc	08:24:53.401	-0.3	17.9		2.31		TAS				m_e	

WERD	149.27	PKPbc	08:24:46.706	0.1	17.9	2.31	TAS	m_e
WERN	149.40	PKPbc	08:24:47.239	0.3	17.9	2.31	TAS	m_e
WERN	149.40	PKPab	08:24:54.612		17.9	2.31	TAS	m_e
WET	150.35	PKPbc	08:24:49.065	-0.1	17.9	2.31	TAS	m_e
WET	150.35	PKPab	08:24:58.478		17.9	2.31	TAS	m_e
WLF	151.06	PKPbc	08:24:51.195	0.3	17.9	2.31	TAS	m_e
WLF	151.06	PKPab	08:25:00.965		17.9	2.31	TAS	m_e

Event 51228002 Windward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/28	06:55:29.53			14.5730	-61.3120				173.3	3.0		33		64.46	69.54	m i ke	BGR
51228008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	51228008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	65.16		P	07:05:54.097	0.3	265.8		6.28		TAS		122.1	1.27	m_e	mb	6.0
ASSE	67.58		P	07:06:09.369	0.2	265.8		6.28		TAS		84.8	1.31	m_e	mb	5.8
ASSE	67.58		pP	07:06:50.564	0.3					T__				m_e		
BFO	65.73		P	07:05:57.169	-0.2	265.8		6.28		TAS		8.0	0.70	m_e	mb	5.1
BRG	69.54		P	07:06:21.172	-0.3	265.8		6.28		TAS		19.1	0.97	m_e	mb	5.2
BRG	69.54		pP	07:07:02.203	0.3					T__				m_e		
BSEG	67.54		P	07:06:08.759	-0.4	265.8		6.28		TAS		33.0	0.94	m_e	mb	5.5
BUG	65.40		P	07:05:55.324	-0.4	265.8		6.28		TAS		88.4	1.46	m_e	mb	5.8
CLL	68.96		P	07:06:17.679	-0.2	265.8		6.28		TAS		35.0	1.08	m_e	mb	5.5
CLL	68.96		pP	07:06:58.556	0.3					T__				m_e		
CLZ	67.36		P	07:06:08.079	0.3	265.8		6.28		TAS		27.2	0.97	m_e	mb	5.4
CLZ	67.36		pP	07:06:49.123	0.3					T__				m_e		
FBE	69.17		P	07:06:19.302	0.2	265.8		6.28		TAS		78.7	1.33	m_e	mb	5.8
FBE	69.17		pP	07:06:59.954	0.3					T__				m_e		
FLT1	67.94		P	07:06:11.223	-0.4	265.8		6.28		TAS				m_e		
FUR	67.68		P	07:06:10.272	0.7	265.8		6.28		TAS				m_e		
GEC2	69.32		P	07:06:19.818	-0.2	265.8		6.28		TAS		26.4	1.05	m_e	mb	5.4
GRA1	67.74		P	07:06:10.208	0.1	265.8		6.28		TAS		62.1	1.30	m_e	mb	5.7
GTTG	67.08		P	07:06:06.080	0.0	265.8		6.28		TAS		128.0	1.42	m_e	mb	6.0
GUNZ	68.49		P	07:06:15.245	0.4	265.8		6.28		TAS				m_e		
HLG	66.15		P	07:06:00.105	0.6	265.8		6.28		TAS		304.5	1.24	m_e	mb	6.4
IBBN	65.81		P	07:05:57.889	-0.1	265.8		6.28		TAS				m_e		
MANZ	68.33		P	07:06:14.142	0.3	265.8		6.28		TAS		11.5	1.12	m_e	mb	5.0
MOX	68.05		P	07:06:11.756	-0.4	265.8		6.28		TAS		4.3	0.69	m_e	mb	4.8
NEUB	68.19		P	07:06:12.981	0.0	265.8		6.28		TAS		25.1	1.02	m_e	mb	5.4
NRDL	67.26		P	07:06:07.305	0.2	265.8		6.28		TAS		180.6	1.44	m_e	mb	6.1
RJOB	68.69		P	07:06:16.141	0.3	265.8		6.28		TAS				m_e		
ROTZ	68.38		P	07:06:14.207	0.1	265.8		6.28		TAS		3.3	1.04	m_e	mb	4.5

RUE	69.50	P	07:06:21.043	-0.2	265.8	6.28	TAS											m_e
STU	66.34	P	07:06:01.114	-0.2	265.8	6.28	TAS				67.1	0.93		m_e	mb			5.9
TANN	68.58	P	07:06:15.303	-0.1	265.8	6.28	TAS				117.7	1.48		m_e	mb			5.9
TNS	66.00	P	07:05:59.437	0.2	265.8	6.28	TAS				40.5	1.02		m_e	mb			5.6
TNS	66.00	pP	07:06:40.483	0.3			T__											m_e
UBBA	67.04	P	07:06:05.896	-0.3	265.8	6.28	TAS				58.9	1.45		m_e	mb			5.6
UBR	66.87	P	07:06:04.195	-0.6	265.8	6.28	TAS				21.3	1.16		m_e	mb			5.3
UBR	66.87	pP	07:06:45.925	0.3			T__											m_e
WERD	68.48	P	07:06:14.844	0.0	265.8	6.28	TAS				62.3	1.38		m_e	mb			5.7
WERN	68.52	P	07:06:15.174	0.1	265.8	6.28	TAS				20.0	1.06		m_e	mb			5.3
WET	68.79	P	07:06:16.593	-0.1	265.8	6.28	TAS				50.3	1.26		m_e	mb			5.6
WLF	64.46	P	07:05:49.504	-0.0	265.8	6.28	TAS				77.9	1.28		m_e	mb			5.8

Event 51228006 Cook Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/28	14:09:09.27			-17.3550	-160.6200				33.0					147.08	147.08	m i ke	BGR
OrigID: 51228012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.08		PKPbc	14:28:48.094		350.4		2.21		TAS					m_e

Event 51228008 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/28	19:24:05.96			-2.6110	-19.1180				10.0				19	56.09	61.45	m i ke	BGR
OrigID: 51228014																	

Magnitude Err Nsta Author OrigID

mb	4.7		BGR	51228014
Ms	4.3		BGR	51228014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	56.09		P	19:33:43.453	-0.1	216.3		6.98		TAS		6.9	0.86	m_e	mb	4.7
BRG	60.30		P	19:34:13.598	0.2	216.3		6.98		TAS		3.1	0.82	m_e	mb	4.4
BSEG	61.45		P	19:34:21.035	-0.1	216.3		6.98		TAS		18.7	0.68	m_e	mb	5.0
FBE	60.11		P	19:34:12.449		216.3		6.98		TAS		3.6	0.86	m_e	mb	4.4
FUR	57.09		P	19:33:50.871	-0.2	216.3		6.98		TAS		13.8	0.76	m_e	mb	5.1
GEC2	58.63		P	19:34:01.625	-0.5	216.3		6.98		TAS		6.0	0.82	m_e	mb	4.7
GRA1	58.30		P	19:33:59.059	-0.3	216.3		6.98		TAS		9.4	0.81	m_e	mb	4.9
GRA1	58.30		L	19:59:13.786						T__		141.4	18.70	a_e	Ms	4.1

GUNZ	59.26	P	19:34:06.245	0.0	216.3	6.98	TAS	5.3	0.85	m_e	mb	4.6
MANZ	58.88	P	19:34:03.070	-0.3	216.3	6.98	TAS	1.7	0.80	m_e	mb	4.1
MOX	59.22	P	19:34:06.078	0.1	216.3	6.98	TAS	7.6	0.84	m_e	mb	4.8
MOX	59.22	L	19:59:40.554				T__	326.6	19.30	a_e	Ms	4.5
NEUB	59.72	P	19:34:09.604	0.3	216.3	6.98	TAS	15.4	0.81	m_e	mb	5.1
RJOB	57.38	P	19:33:52.709	0.3	216.3	6.98	TAS	17.3	0.67	m_e	mb	5.2
ROTZ	58.74	P	19:34:02.235	-0.4	216.3	6.98	TAS	0.8	0.83	m_e	mb	3.8
STU	56.78	P	19:33:48.688	0.3	216.3	6.98	TAS	18.7	0.78	m_e	mb	5.2
TANN	59.36	P	19:34:06.747	0.1	216.3	6.98	TAS	6.8	0.73	m_e	mb	4.8
TNS	57.71	P	19:33:55.467	-0.4	216.3	6.98	TAS	7.5	0.84	m_e	mb	4.7
UBR	56.24	P	19:33:45.309		216.3	6.98	TAS	11.8	0.73	m_e	mb	5.0
WERD	59.32	P	19:34:06.747	-0.1	216.3	6.98	TAS	5.7	0.98	m_e	mb	4.6
WERN	59.22	P	19:34:05.911	0.2	216.3	6.98	TAS	4.1	0.94	m_e	mb	4.4
WET	58.52	P	19:34:00.647	0.5	216.3	6.98	TAS	11.3	0.81	m_e	mb	4.9

Event 51229002 Northern Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/29	02:54:11.58		6.9510	-76.6230				19.8		1.3		18		80.07	85.04	m i ke	BGR
51229008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	51229008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.67		P	03:06:20.387	-0.2	272.0		5.15		TAS		5.2	0.81	m_e	mb	4.6
AHRW	80.67		pP	03:06:26.215	-0.0					T__				m_e		
BFO	81.50		P	03:06:24.434	-0.2	272.0		5.15		TAS		3.1	0.88	m_e	mb	4.3
BFO	81.50		pP	03:06:30.031	-0.0					T__				m_e		
BRG	85.02		P	03:06:42.858		272.0		5.15		TAS		3.5	0.86	m_e	mb	4.6
BRG	85.02		pP	03:06:48.848	-0.0					T__				m_e		
BSEG	82.63		P	03:06:30.925	-0.6	272.0		5.15		TAS				m_e		
BSEG	82.63		pP	03:06:36.276	-0.0					T__				m_e		
BUG	80.80		P	03:06:21.042		272.0		5.15		TAS		4.5	0.82	m_e	mb	4.5
BUG	80.80		pP	03:06:26.443	-0.0					T__				m_e		
CLL	84.40		P	03:06:39.721	0.1	272.0		5.15		TAS		3.7	0.88	m_e	mb	4.6
CLL	84.40		pP	03:06:45.515	-0.0					T__				m_e		
FBE	84.65		P	03:06:41.106		272.0		5.15		TAS		4.5	0.86	m_e	mb	4.7
FBE	84.65		pP	03:06:47.018	-0.0					T__				m_e		
FLT1	83.24		P	03:06:33.856	-0.1	272.0		5.15		TAS		6.3	0.88	m_e	mb	4.9
FLT1	83.24		pP	03:06:39.502	-0.0					T__				m_e		
GEC2	85.04		P	03:06:42.923		272.0		5.15		TAS		4.4	0.91	m_e	mb	4.7
GEC2	85.04		pP	03:06:48.627	-0.0					T__				m_e		
GRA1	83.36		P	03:06:34.233	0.0	272.0		5.15		TAS		4.5	0.82	m_e	mb	4.7
GTTG	82.48		P	03:06:29.825	-0.6	272.0		5.15		TAS		4.1	0.81	m_e	mb	4.6
GUNZ	84.03		P	03:06:37.609		272.0		5.15		TAS		2.0	0.80	m_e	mb	4.4

IBBN	81.11	P	03:06:22.613	272.0	5.15	TAS	9.1	1.00	m_e	mb	4.8
IBBN	81.11	pP	03:06:28.210	-0.0		T__			m_e		
MANZ	83.91	P	03:06:37.129	0.1 272.0	5.15	TAS	0.7	0.87	m_e	mb	3.9
MOX	83.56	P	03:06:35.215	0.2 272.0	5.15	TAS	1.9	0.93	m_e	mb	4.3
NEUB	83.63	P	03:06:35.835	0.1 272.0	5.15	TAS	4.5	0.80	m_e	mb	4.7
NEUB	83.63	pP	03:06:41.433	-0.0		T__			m_e		
RJOB	84.52	P	03:06:40.223	272.0	5.15	TAS	2.2	0.93	m_e	mb	4.4
STU	82.06	P	03:06:27.408	0.1 272.0	5.15	TAS	14.3	0.80	m_e	mb	5.1
STU	82.06	pP	03:06:33.213	-0.0		T__			m_e		
TANN	84.11	P	03:06:38.308	272.0	5.15	TAS	3.3	0.88	m_e	mb	4.6
TANN	84.11	pP	03:06:44.353	-0.0		T__			m_e		
TNS	81.55	P	03:06:25.099	0.4 272.0	5.15	TAS			m_e		
TNS	81.55	pP	03:06:30.549	-0.0		T__			m_e		
UBR	82.71	P	03:06:30.845	-0.2 272.0	5.15	TAS	4.3	0.96	m_e	mb	4.7
UBR	82.71	pP	03:06:36.820	-0.0		T__			m_e		
WERD	84.01	P	03:06:37.750	272.0	5.15	TAS	3.2	0.91	m_e	mb	4.5
WERN	84.07	P	03:06:37.824	0.1 272.0	5.15	TAS			m_e		
WET	84.47	P	03:06:40.173	272.0	5.15	TAS	4.6	0.93	m_e	mb	4.7
WLF	80.07	P	03:06:17.105	-0.0 272.0	5.15	TAS	12.0	0.81	m_e	mb	4.9
WLF	80.07	pP	03:06:23.046	-0.0		T__			m_e		

Event 51229004 Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/29	18:56:21.23	5.82	0.77	44.8740	24.8100	103.4	22.2	129	5.0				14	317	5.48	9.20	m i ke BGR
51229010																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	51229010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	6.88		Pn	18:58:00.926	0.4					T__				m_e	ML 4.2
CKRC	8.21		Pn	18:58:19.291	1.0					T__				m_e	
DPC	7.89		Pn	18:58:15.016	1.0					T__				m_e	
GEC2	8.58		Pn	18:58:23.719	0.3					T__				m_e	ML 4.3
JAVC	6.31		Pn	18:57:52.135	-0.7					T__				m_e	
KHC	8.78		Pn	18:58:26.647	0.7					T__				m_e	
KRUC	7.12		Pn	18:58:01.883	-1.8					T__				m_e	
KSP	8.27		Pn	18:58:19.655	0.5					T__				m_e	ML 4.4
MORC	6.96		Pn	18:58:01.296	-0.2					T__				m_e	ML 5.0
NIE	5.48		Pn	18:57:42.220	0.6					T__				m_e	ML 4.4
OBKA	7.37		Pn	18:58:06.470	-0.6					T__				m_e	
OJC	6.33		Pn	18:57:52.597	-0.5					T__				m_e	
VRAC	7.15		Pn	18:58:03.175	-0.9					T__				m_e	
WET	9.20		Pn	18:58:31.964	0.3					T__				m_e	

Event 51231004 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/31	21:29:32.29			-30.8600	-177.1700				11.6	1.3		31		156.31	162.30	m i ke	BGR
OrigID																	
51231010																	

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	160.08		PKPdf	21:49:33.051		20.3		4.43		TAS					m_e
AHRW	160.08		PKPab	21:50:11.361	0.0	20.3		4.43		TAS					m_e
ASSE	157.98		PKPab	21:50:01.762	-0.4	20.3		4.43		TAS					m_e
ASSE	157.98		pPKPab	21:50:05.566						T__					m_e
BFO	162.05		PKPdf	21:49:34.393		20.3		4.43		TAS					m_e
BFO	162.05		PKPab	21:50:19.839		20.3		4.43		TAS					m_e
BFO	162.05		pPKPab	21:50:23.565						T__					m_e
BRG	158.36		PKPdf	21:49:31.569	1.1	20.3		4.43		TAS					m_e
BRG	158.36		PKPab	21:50:03.368	0.2	20.3		4.43		TAS					m_e
BRG	158.36		pPKPab	21:50:06.903						T__					m_e
BSEG	156.31		PKPdf	21:49:28.975	-0.5	20.3		4.43		TAS					m_e
BSEG	156.31		PKPab	21:49:55.136	-0.4	20.3		4.43		TAS					m_e
BSEG	156.31		pPKPab	21:49:58.504						T__					m_e
BUG	159.18		PKPdf	21:49:32.120	-0.4	20.3		4.43		TAS					m_e
BUG	159.18		PKPab	21:50:07.037	0.5	20.3		4.43		TAS					m_e
CLL	158.22		PKPab	21:50:02.723	0.1	20.3		4.43		TAS					m_e
CLL	158.22		pPKPab	21:50:06.200						T__					m_e
CLZ	158.31		PKPab	21:50:03.886	0.2	20.3		4.43		TAS					m_e
CLZ	158.31		pPKPab	21:50:07.200						T__					m_e
FBE	158.48		PKPab	21:50:04.328	-0.7	20.3		4.43		TAS					m_e
FBE	158.48		pPKPab	21:50:07.701						T__					m_e
FLT1	157.68		PKPdf	21:49:29.524	0.4	20.3		4.43		TAS					m_e
FLT1	157.68		PKPab	21:50:00.040	-0.1	20.3		4.43		TAS					m_e
FLT1	157.68		pPKPab	21:50:03.544						T__					m_e
FUR	161.55		PKPab	21:50:17.841		20.3		4.43		TAS					m_e
FUR	161.55		pPKPab	21:50:21.338						T__					m_e
GEC2	160.23		PKPdf	21:49:32.818		20.3		4.43		TAS					m_e
GEC2	160.23		PKPab	21:50:11.401	-0.1	20.3		4.43		TAS					m_e
GRA1	160.15		PKPab	21:50:11.992	-0.2	20.3		4.43		TAS					m_e
GRA1	160.15		pPKPab	21:50:15.221						T__					m_e
GTTG	158.67		PKPab	21:50:05.150	0.0	20.3		4.43		TAS					m_e
GTTG	158.67		pPKPab	21:50:08.600						T__					m_e
GUNZ	159.26		PKPdf	21:49:31.968		20.3		4.43		TAS					m_e
GUNZ	159.26		PKPab	21:50:08.081	-0.3	20.3		4.43		TAS					m_e
GUNZ	159.26		pPKPab	21:50:11.357						T__					m_e
IBBN	158.27		PKPab	21:50:03.498	0.2	20.3		4.43		TAS					m_e
IBBN	158.27		pPKPab	21:50:06.947						T__					m_e

MANZ	159.66	PKPdf	21:49:32.704		20.3	4.43	TAS	m_e
MANZ	159.66	PKPab	21:50:09.154	-0.1	20.3	4.43	TAS	m_e
MOX	159.17	PKPab	21:50:07.283	0.5	20.3	4.43	TAS	m_e
MOX	159.17	pPKPab	21:50:10.603				T__	m_e
NEUB	158.63	PKPab	21:50:04.913	-0.1	20.3	4.43	TAS	m_e
NEUB	158.63	pPKPab	21:50:08.118				T__	m_e
NRDL	157.73	PKPab	21:50:00.757	0.6	20.3	4.43	TAS	m_e
RJOB	161.49	PKPdf	21:49:33.972		20.3	4.43	TAS	m_e
RJOB	161.49	PKPab	21:50:17.845		20.3	4.43	TAS	m_e
RJOB	161.49	pPKPab	21:50:20.969				T__	m_e
ROTZ	159.84	PKPab	21:50:10.033	-1.0	20.3	4.43	TAS	m_e
ROTZ	159.84	pPKPab	21:50:13.707				T__	m_e
RUE	156.96	PKPdf	21:49:29.046	0.6	20.3	4.43	TAS	m_e
STU	161.47	PKPab	21:50:17.128		20.3	4.43	TAS	m_e
TANN	159.18	PKPdf	21:49:32.215		20.3	4.43	TAS	m_e
TANN	159.18	PKPab	21:50:07.112	-0.2	20.3	4.43	TAS	m_e
TANN	159.18	pPKPab	21:50:10.558				T__	m_e
TNS	160.20	PKPdf	21:49:34.105		20.3	4.43	TAS	m_e
TNS	160.20	PKPab	21:50:11.957	-0.1	20.3	4.43	TAS	m_e
TNS	160.20	pPKPab	21:50:15.407				T__	m_e
UBBA	159.36	PKPab	21:50:07.783	0.1	20.3	4.43	TAS	m_e
UBR	162.30	PKPdf	21:49:34.636		20.3	4.43	TAS	m_e
UBR	162.30	PKPab	21:50:21.768		20.3	4.43	TAS	m_e
WERD	159.19	PKPdf	21:49:31.587		20.3	4.43	TAS	m_e
WERD	159.19	PKPab	21:50:07.279	-0.2	20.3	4.43	TAS	m_e
WERD	159.19	pPKPab	21:50:10.773				T__	m_e
WERN	159.32	PKPdf	21:49:32.566		20.3	4.43	TAS	m_e
WERN	159.32	PKPab	21:50:08.330	0.5	20.3	4.43	TAS	m_e
WERN	159.32	pPKPab	21:50:11.559				T__	m_e
WET	160.22	PKPdf	21:49:32.676		20.3	4.43	TAS	m_e
WET	160.22	PKPab	21:50:11.951	0.1	20.3	4.43	TAS	m_e
WLF	161.05	PKPab	21:50:16.216	0.8	20.3	4.43	TAS	m_e

Event 51231005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2015/12/31	22:22:17.34			51.5800	-173.3200			46.5		0.9		23		74.81	81.08	m i ke	BGR
OrigID 51231011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	51231011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.46		P	22:34:24.457		2.8		5.51		TAS		4.2	0.89	m_e mb	4.4
BRG	77.74		P	22:34:08.856	0.2	2.8		5.51		TAS		17.7	1.16	m_e mb	5.1
BRG	77.74		pP	22:34:21.981						T__				m_e	

BSEG	74.81	P	22:33:53.466	-1.1	2.8	5.51	TAS	6.7	0.90	m_e	mb	4.7
CLL	77.35	P	22:34:06.565	0.3	2.8	5.51	TAS	5.2	0.67	m_e	mb	4.8
CLZ	76.91	P	22:34:05.212	0.2	2.8	5.51	TAS	5.8	0.66	m_e	mb	4.8
FBE	77.72	P	22:34:09.834	-0.1	2.8	5.51	TAS	9.3	0.74	m_e	mb	5.0
FLT1	76.39	P	22:34:00.913	0.5	2.8	5.51	TAS	7.7	0.61	m_e	mb	5.0
GEC2	79.77	P	22:34:20.242		2.8	5.51	TAS	5.8	1.01	m_e	mb	4.5
GRA1	79.03	P	22:34:16.740		2.8	5.51	TAS	12.1	0.66	m_e	mb	5.1
GTTG	77.21	P	22:34:06.764	-0.1	2.8	5.51	TAS	16.0	1.14	m_e	mb	5.0
GUNZ	78.32	P	22:34:12.547	0.4	2.8	5.51	TAS	2.5	0.82	m_e	mb	4.4
MANZ	78.71	P	22:34:14.742		2.8	5.51	TAS	0.9	0.86	m_e	mb	3.8
MOX	78.07	P	22:34:10.957	0.3	2.8	5.51	TAS	19.4	1.23	m_e	mb	5.1
NRDL	76.26	P	22:34:01.125		2.8	5.51	TAS	2.9	0.70	m_e	mb	4.5
RJOB	80.92	P	22:34:26.813		2.8	5.51	TAS	4.2	0.80	m_e	mb	4.5
ROTZ	78.92	P	22:34:15.835		2.8	5.51	TAS	1.9	1.10	m_e	mb	4.0
RUE	76.15	P	22:34:01.575	0.2	2.8	5.51	TAS	8.3	0.76	m_e	mb	4.9
STU	80.01	P	22:34:22.137		2.8	5.51	TAS	44.0	1.20	m_e	mb	5.3
TANN	78.26	P	22:34:12.544	-0.2	2.8	5.51	TAS	4.4	0.96	m_e	mb	4.6
TNS	78.56	P	22:34:14.031		2.8	5.51	TAS	3.9	0.75	m_e	mb	4.5
UBR	81.08	P	22:34:28.191		2.8	5.51	TAS	2.9	0.84	m_e	mb	4.3
WERN	78.40	P	22:34:13.318		2.8	5.51	TAS	8.3	0.86	m_e	mb	4.9
WERN	78.40	pP	22:34:26.941				T__			m_e		
WET	79.52	P	22:34:19.498		2.8	5.51	TAS	8.8	1.21	m_e	mb	4.6
WLF	79.13	P	22:34:16.527		2.8	5.51	TAS	8.8	0.96	m_e	mb	4.8