

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

(produced by SZO/BGR - HANNOVER)

September 2017

UPDATED 28.November 2019

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

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
70901002 Xizang	2017/09/01	02:38:08.65			31.3800	82.9840				6.5					55.40	55.40	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70901008
Ms	4.3		BGR	70901008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	55.40		P	02:47:42.561		87.6		6.45		TAS		10.2	1.01	m_e mb	4.8
GRA1	55.40		pP	02:47:44.377						T__		23.6	1.32	m_e	
GRA1	55.40		L	03:11:37.561						T__		251.0	21.70	a_e Ms	4.3

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
70901004 Reykjanes Ridge	2017/09/01	11:07:45.41			57.2500	-33.1900				33.0				33	23.08	29.05	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70901010
MBB	5.7		BGR	70901010
Ms	5.0		BGR	70901010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	25.51		P	11:13:11.220	0.2	302.2		9.03		TAS		286.9	2.55	m_e MBB	5.4

BFO	26.27	P	11:13:17.946	0.7	302.2	9.03	TAS	89.5	1.54	m_e	MBB	5.5
BRG	27.91	P	11:13:33.032	-0.1	302.2	9.03	TAS	163.5	2.05	m_e	MBB	5.5
BSEG	24.49	P	11:13:02.040	0.8	302.2	9.03	TAS	67.9	0.99	m_e	MBB	5.9
BUG	24.01	P	11:12:57.354	-0.3	302.2	9.03	TAS			m_e		
CLL	27.18	P	11:13:26.036	-0.7	302.2	9.03	TAS	129.6	1.53	m_e	MBB	5.6
CLZ	25.49	P	11:13:11.450	0.1	302.2	9.03	TAS	90.8	1.30	m_e	MBB	5.8
FBE	27.57	P	11:13:29.752	0.1	302.2	9.03	TAS	252.4	1.71	m_e	MBB	5.9
FLT1	25.72	P	11:13:12.596	-0.1	302.2	9.03	TAS	191.8	1.68	m_e	MBB	5.6
FUR	27.97	P	11:13:33.821		302.2	9.03	TAS	307.4	2.05	m_e	MBB	5.8
GEC2	28.89	P	11:13:41.809	0.6	302.2	9.03	TAS	156.0	1.94	m_e	MBB	5.6
GOR1	25.44	P	11:13:10.849	-0.1	302.2	9.03	TAS	395.9	1.80	m_e	MBB	6.0
GRA1	27.07	P	11:13:25.802	-0.3	302.2	9.03	TAS	283.1	1.68	m_e	mb	5.7
GRA1	27.07	L	11:23:36.682				T__	3713.8	19.00	a_e	Ms	5.0
GTTG	25.42	P	11:13:10.754	-0.6	302.2	9.03	TAS	181.2	1.57	m_e	MBB	5.9
GUNZ	27.31	P	11:13:27.413	0.0	302.2	9.03	TAS	245.4	1.64	m_e	MBB	5.8
HLG	23.08	P	11:12:48.481	1.0	302.2	9.03	TAS			m_e		
IBBN	23.85	P	11:12:56.388	-0.4	302.2	9.03	TAS			m_e		
KAST	24.75	P	11:13:03.957	-0.3	302.2	9.03	TAS	62.8	1.38	m_e	MBB	5.7
MOX	26.77	P	11:13:22.829	-0.3	302.2	9.03	TAS	260.8	1.64	m_e	MBB	5.8
MOX	26.77	L	11:23:11.436				T__	5240.7	20.20	a_e	Ms	5.1
NEUB	26.57	P	11:13:20.707	-0.1	302.2	9.03	TAS	182.5	1.47	m_e	MBB	5.7
NRDL	25.03	P	11:13:07.004	0.9	302.2	9.03	TAS	119.1	1.21	m_e	MBB	5.9
PLN	27.15	P	11:13:26.009	-0.3	302.2	9.03	TAS	181.3	1.46	m_e	MBB	5.8
RETH	24.51	P	11:13:02.142	0.1	302.2	9.03	TAS	371.0	1.99	m_e	MBB	6.0
RJOB	29.05	P	11:13:43.192		302.2	9.03	TAS	157.4	2.33	m_e	MBB	5.7
ROTZ	27.57	P	11:13:29.821	0.2	302.2	9.03	TAS	12.0	1.52	m_e	MBB	4.9
RUE	27.01	P	11:13:24.884	-0.1	302.2	9.03	TAS	242.2	1.55	m_e	MBB	5.9
TANN	27.35	P	11:13:27.853	-0.2	302.2	9.03	TAS	218.7	1.68	m_e	MBB	5.8
TNS	25.28	P	11:13:09.283	-0.1	302.2	9.03	TAS	509.2	2.19	m_e	MBB	5.8
UBR	27.62	P	11:13:30.262		302.2	9.03	TAS	185.6	2.18	m_e	MBB	5.7
WERD	27.25	P	11:13:26.805	-0.4	302.2	9.03	TAS	181.9	1.59	m_e	MBB	5.7
WERN	27.37	P	11:13:28.120	-0.3	302.2	9.03	TAS	204.6	1.52	m_e	MBB	5.8
WET	28.28	P	11:13:36.244	0.7	302.2	9.03	TAS	100.8	1.48	m_e	MBB	5.7
WLF	24.33	P	11:12:59.983	-0.3	302.2	9.03	TAS			m_e		

Event 70901006 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/01	16:48:05.86			33.9600	29.6400				53.2			32		18.70	23.83	m i ke	BGR
	70901012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70901012
Ms	3.2		BGR	70901012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	23.38	P	16:53:09.693	-0.2	133.7	10.60	TAS	27.9	0.91	m_e	mb	4.8
ASSE	22.72	P	16:53:02.241	-0.1	133.7	10.60	TAS	76.1	2.12	m_e	mb	4.9
BFO	21.43	P	16:52:49.617	0.1	133.7	10.60	TAS	65.3	0.78	m_e	mb	5.0
BRG	20.42	P	16:52:39.043	0.7	133.7	10.60	TAS	57.7	0.89	m_e	mb	4.8
BUG	23.83	P	16:53:13.989		133.7	10.60	TAS	63.2	1.00	m_e	mb	5.1
CLZ	22.65	P	16:53:01.752	-0.9	133.7	10.60	TAS	24.7	1.23	m_e	mb	4.6
FBE	20.70	P	16:52:41.902	0.4	133.7	10.60	TAS	108.5	1.03	m_e	mb	5.1
FLT1	22.63	P	16:53:01.157	-0.7	133.7	10.60	TAS	60.7	0.90	m_e	mb	5.1
FUR	19.75	P	16:52:31.667	0.5	133.7	10.60	TAS	315.6	0.99	m_e	mb	5.5
GEC2	19.02	P	16:52:23.380	-0.7	133.7	10.60	TAS	218.6	1.36	m_e	mb	5.2
GOR1	23.09	P	16:53:06.341	-0.9	133.7	10.60	TAS	78.6	1.13	m_e	mb	5.1
GRA1	20.78	P	16:52:42.006	-0.7	133.7	10.60	TAS	210.9	1.18	m_e	mb	5.4
GRA1	20.78	L	17:01:49.334				T__	78.1	21.80	a_e	Ms	3.0
GTTG	22.63	P	16:53:01.972	-0.8	133.7	10.60	TAS	55.5	0.83	m_e	mb	5.1
GUNZ	20.73	P	16:52:42.171	0.0	133.7	10.60	TAS	43.7	0.95	m_e	mb	4.8
KAST	23.13	P	16:53:06.556	0.0	133.7	10.60	TAS	18.9	1.11	m_e	mb	4.5
MOX	21.25	P	16:52:47.664	1.9	133.7	10.60	TAS	150.6	1.13	m_e	mb	5.2
MOX	21.25	L	17:00:56.167				T__	121.6	18.70	a_e	Ms	3.3
NEUB	21.58	P	16:52:51.075	1.6	133.7	10.60	TAS	107.5	1.05	m_e	mb	5.2
NRDL	23.23	P	16:53:07.848	2.7	133.7	10.60	TAS	49.8	1.06	m_e	mb	5.0
PLN	20.90	P	16:52:43.985	0.1	133.7	10.60	TAS	212.6	1.59	m_e	mb	5.2
RETH	23.72	P	16:53:12.968	-0.9	133.7	10.60	TAS	21.7	0.99	m_e	mb	4.6
RGN	23.56	P	16:53:11.655	-0.8	133.7	10.60	TAS	72.8	0.76	m_e	mb	5.3
RJOB	18.70	P	16:52:18.301	-2.0	133.7	10.60	TAS			m_e		
ROTZ	20.37	P	16:52:37.509	-0.8	133.7	10.60	TAS	64.7	1.72	m_e	mb	4.6
RUE	21.73	P	16:52:52.849	-0.3	133.7	10.60	TAS	299.7	1.42	m_e	mb	5.5
STU	21.22	P	16:52:47.690	-0.1	133.7	10.60	TAS	175.9	0.79	m_e	mb	5.4
TANN	20.71	P	16:52:41.737	-0.2	133.7	10.60	TAS	292.2	2.01	m_e	mb	5.3
TNS	22.49	P	16:53:00.145	-0.3	133.7	10.60	TAS	148.5	0.88	m_e	mb	5.4
UBR	20.08	P	16:52:34.864	1.1	133.7	10.60	TAS	71.8	0.94	m_e	mb	4.9
WERD	20.80	P	16:52:42.846	-0.1	133.7	10.60	TAS	29.8	0.80	m_e	mb	4.7
WERN	20.66	P	16:52:41.304	-0.1	133.7	10.60	TAS	31.5	0.83	m_e	mb	4.7
WERN	20.66	pP	16:52:53.462				T__			m_e		
WET	19.62	P	16:52:30.305	-0.1	133.7	10.60	TAS	337.0	1.72	m_e	mb	5.3
WLF	23.37	P	16:53:09.886	-0.6	133.7	10.60	TAS	38.5	0.76	m_e	mb	5.0

Event 70901007 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/01	21:07:44.45			58.2800	153.3200				24.5	1.1		33		64.20	70.13	m i ke	BGR
70901013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70901013
Ms	4.0		BGR	70901013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	65.82		P	21:18:28.155	0.2	20.7		6.33		TAS		14.7	1.10	a_e	mb	5.1
ASSE	65.82		pP	21:18:34.944	-0.5	20.7		6.34		TAS				m_e		
BFO	69.91		P	21:18:53.505	-0.4	20.7		6.33		TAS		8.8	0.84	a_e	mb	4.9
BFO	69.91		pP	21:19:00.418		20.7		6.34		TAS				m_e		
BRG	66.25		P	21:18:30.755	0.1	20.7		6.33		TAS		16.2	1.37	a_e	mb	5.1
BRG	66.25		pP	21:18:37.369	0.3	20.7		6.34		TAS				m_e		
BSEG	64.20		P	21:18:17.805	0.1	20.7		6.33		TAS		17.3	0.90	a_e	mb	5.3
BSEG	64.20		pP	21:18:24.889	0.0	20.7		6.34		TAS				m_e		
BUG	67.18		P	21:18:36.655	0.3	20.7		6.33		TAS		30.4	1.02	a_e	mb	5.5
BUG	67.18		pP	21:18:43.673	0.1	20.7		6.34		TAS				m_e		
CLL	66.06		P	21:18:29.105	-0.5	20.7		6.33		TAS		30.5	1.06	a_e	mb	5.5
CLL	66.06		pP	21:18:36.147	0.1	20.7		6.34		TAS				m_e		
CLZ	66.15		P	21:18:30.705	0.0	20.7		6.33		TAS		28.5	1.14	a_e	mb	5.4
CLZ	66.15		pP	21:18:37.681	0.1	20.7		6.34		TAS				m_e		
FBE	66.34		P	21:18:31.355	0.0	20.7		6.33		TAS		19.7	1.23	a_e	mb	5.2
FLT1	65.51		P	21:18:25.605	0.4	20.7		6.33		TAS		7.3	0.91	a_e	mb	4.9
FLT1	65.51		pP	21:18:32.200	0.1	20.7		6.34		TAS				m_e		
FUR	69.41		P	21:18:50.655		20.7		6.33		TAS		28.3	0.95	a_e	mb	5.5
FUR	69.41		pP	21:18:57.584		20.7		6.34		TAS				m_e		
GEC2	68.19		P	21:18:43.155	-0.2	20.7		6.33		TAS		14.5	1.14	a_e	mb	5.1
GEC2	68.19		pP	21:18:50.032		20.7		6.34		TAS				m_e		
GOR1	64.88		P	21:18:22.356	-0.1	20.7		6.33		TAS		17.5	1.16	m_e	mb	5.2
GOR1	64.88		pP	21:18:29.126	0.0	20.7		6.34		TAS				m_e		
GRA1	67.98		P	21:18:42.305	-0.4	20.7		6.33		TAS		35.3	1.16	a_e	mb	5.5
GRA1	67.98		pP	21:18:49.082		20.7		6.34		TAS				m_e		
GRA1	67.98		L	21:49:04.294						T__		67.9	19.20	a_e	Ms	3.9
GTTG	66.52		P	21:18:32.755	-0.6	20.7		6.33		TAS		15.1	1.24	a_e	mb	5.1
GUNZ	67.10		P	21:18:36.405	0.2	20.7		6.33		TAS		19.8	1.22	a_e	mb	5.2
GUNZ	67.10		pP	21:18:43.418	-0.1	20.7		6.34		TAS				m_e		
IBBN	66.26		P	21:18:30.805	0.0	20.7		6.33		TAS		24.1	0.89	a_e	mb	5.4
KAST	67.17		P	21:18:36.955	-0.1	20.7		6.33		TAS		20.3	1.10	a_e	mb	5.3
KAST	67.17		pP	21:18:43.708	0.1	20.7		6.34		TAS				m_e		
MOX	67.00		P	21:18:35.655	0.1	20.7		6.33		TAS		17.1	1.18	a_e	mb	5.2
MOX	67.00		pP	21:18:42.623	0.3	20.7		6.34		TAS				m_e		
MOX	67.00		L	21:51:28.648						T__		111.0	18.10	a_e	Ms	4.1
NEUB	66.45		P	21:18:31.705	-0.1	20.7		6.33		TAS		13.9	0.96	a_e	mb	5.2
NRDL	65.60		P	21:18:26.655	0.0	20.7		6.33		TAS		18.0	0.96	a_e	mb	5.3
NRDL	65.60		pP	21:18:33.645	-0.9	20.7		6.34		TAS				m_e		
PLN	67.03		P	21:18:35.905	0.1	20.7		6.33		TAS		18.5	1.07	a_e	mb	5.2
PLN	67.03		pP	21:18:42.784	0.3	20.7		6.34		TAS				m_e		
RETH	65.53		P	21:18:26.355	-0.3	20.7		6.33		TAS		27.6	1.13	a_e	mb	5.4
RETH	65.53		pP	21:18:33.154	-0.3	20.7		6.34		TAS				m_e		
RJOB	69.44		P	21:18:51.255		20.7		6.33		TAS		11.3	0.93	a_e	mb	5.1
RJOB	69.44		pP	21:18:58.169		20.7		6.34		TAS				m_e		
ROTZ	67.69		P	21:18:40.155	0.5	20.7		6.33		TAS		2.7	0.99	a_e	mb	4.4
ROTZ	67.69		pP	21:18:46.956	0.2	20.7		6.34		TAS				m_e		
RUE	64.80		P	21:18:21.367	-0.6	20.7		6.33		TAS		19.7	0.97	m_e	mb	5.3
RUE	64.80		pP	21:18:28.286	-0.1	20.7		6.34		TAS				m_e		

STU	69.30	P	21:18:49.855	0.2	20.7	6.33	TAS	39.1	0.70	a_e	mb	5.7
STU	69.30	pP	21:18:57.064		20.7	6.34	TAS			m_e		
TANN	67.02	P	21:18:35.905	0.1	20.7	6.33	TAS	11.9	1.18	a_e	mb	5.0
TANN	67.02	pP	21:18:42.930	0.0	20.7	6.34	TAS			m_e		
TNS	68.09	P	21:18:42.605	0.5	20.7	6.33	TAS	17.7	0.79	a_e	mb	5.4
TNS	68.09	pP	21:18:49.757	-0.2	20.7	6.34	TAS			m_e		
UBR	70.13	P	21:18:55.055		20.7	6.33	TAS	10.2	0.81	a_e	mb	5.0
UBR	70.13	pP	21:19:01.991		20.7	6.34	TAS			m_e		
WERD	67.03	P	21:18:35.855	0.1	20.7	6.33	TAS	17.0	0.94	m_e	mb	5.3
WERD	67.03	pP	21:18:42.855	0.4	20.7	6.34	TAS			m_e		
WERN	67.16	P	21:18:36.755	0.2	20.7	6.33	TAS	17.0	1.09	a_e	mb	5.2
WERN	67.16	pP	21:18:43.854	-0.6	20.7	6.34	TAS			m_e		
WET	68.11	P	21:18:43.055	-0.5	20.7	6.33	TAS	16.1	0.98	a_e	mb	5.2
WET	68.11	pP	21:18:49.953		20.7	6.34	TAS			m_e		
WLF	69.09	P	21:18:48.899	0.1	20.7	6.33	TAS	6.5	0.76	m_e	mb	4.9

Event 70902003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/02	20:28:25.33			-21.7000	-177.7500				567.4			23		147.24	153.32	m i ke	BGR
70902009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.99		PKPbc	20:47:18.479		15.9		2.41		TAS				m_e	
BRG	149.47		PKPbc	20:47:10.566	0.4	15.9		2.41		TAS				m_e	
BSEG	147.24		PKPbc	20:47:04.695	0.1	15.9		2.41		TAS				m_e	
CLL	149.28		PKPbc	20:47:09.601	0.2	15.9		2.41		TAS				m_e	
CLZ	149.26		PKPbc	20:47:09.752	0.1	15.9		2.41		TAS				m_e	
FBE	149.56		PKPbc	20:47:10.771	0.4	15.9		2.41		TAS				m_e	
FLT1	148.64		PKPbc	20:47:07.496	0.0	15.9		2.41		TAS				m_e	
GEC2	151.41		PKPbc	20:47:15.048		15.9		2.41		TAS				m_e	
GRA1	151.18		PKPbc	20:47:14.717		15.9		2.41		TAS				m_e	
GTTG	149.61		PKPbc	20:47:10.503	0.2	15.9		2.41		TAS				m_e	
GUNZ	150.31		PKPbc	20:47:12.597		15.9		2.41		TAS				m_e	
KAST	150.16		PKPbc	20:47:11.781	0.1	15.9		2.41		TAS				m_e	
MOX	150.19		PKPbc	20:47:11.979	0.0	15.9		2.41		TAS				m_e	
MOX	150.19		pPKPbc	20:49:22.753						T__				m_e	
PLN	150.23		PKPbc	20:47:12.241	-0.2	15.9		2.41		TAS				m_e	
RJOB	152.67		PKPbc	20:47:17.720		15.9		2.41		TAS				m_e	
ROTZ	150.90		PKPbc	20:47:13.912		15.9		2.41		TAS				m_e	
TANN	150.24		PKPbc	20:47:12.307	-0.4	15.9		2.41		TAS				m_e	
TNS	151.12		PKPbc	20:47:14.337		15.9		2.41		TAS				m_e	
UBR	153.32		PKPbc	20:47:19.125		15.9		2.41		TAS				m_e	
WERD	150.24		PKPbc	20:47:12.232	-0.4	15.9		2.41		TAS				m_e	

WERN	150.38	PKPbc	20:47:12.721	15.9	2.41	TAS	m_e
WET	151.34	PKPbc	20:47:14.918	15.9	2.41	TAS	m_e
WLF	151.92	PKPbc	20:47:16.730	15.9	2.41	TAS	m_e

Event 70902004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/02	22:45:34.96			46.0280	153.2790				33.0					79.13	79.13	m i ke	BGR
OrigID 70902010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70902010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.13		P	22:57:34.786		26.8		4.86		TAS		14.8	1.53	m_e mb	4.8

Event 70903003 Wyoming, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/02	23:56:59.01			42.0720	-109.0960				11.4					74.72	74.72	m i ke	BGR
OrigID 70903009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70903009
Ms	5.1		BGR	70903009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	74.72		P	00:08:37.276		317.8		5.62		TAS		11.2	0.78	m_e mb	5.0
GRA1	74.72		pP	00:08:40.547		316.8		5.70		TAS				m_e	
GRA1	74.72		L	00:40:34.208						T__		989.5	18.20	a_e Ms	5.1

Event 70903004 North Korea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/03	03:30:01.08			41.3200	129.0350				0.0				35	69.87	76.52	m i kx	IDC
OrigID 70903077																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	70903010
MBB	6.6		BGR	70903010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.70		P	03:41:30.633	-0.1	42.9		5.83		TAS		107.9	0.94	a_e	MBB 6.2
BFO	76.52		P	03:41:52.883		42.9		5.83		TAS		508.8	0.84	a_e	MBB 6.8
BRG	72.15		P	03:41:27.833	0.0	42.9		5.83		TAS		263.6	0.81	a_e	MBB 6.5
BSEG	71.55		P	03:41:23.983	0.2	42.9		5.83		TAS		589.2	0.95	a_e	MBB 6.8
BUG	74.65		P	03:41:41.783	-0.1	42.9		5.83		TAS		263.4	0.86	a_e	MBB 6.4
CLL	72.27		P	03:41:27.983	-0.5	42.9		5.83		TAS		642.2	0.79	a_e	MBB 6.9
CLZ	73.04		P	03:41:33.033	0.3	42.9		5.83		TAS		390.3	0.82	a_e	MBB 6.7
FBE	72.39		P	03:41:29.233	0.1	42.9		5.83		TAS		670.8	1.00	a_e	MBB 6.8
FLT1	72.32		P	03:41:27.883	-0.6	42.9		5.83		TAS		548.4	0.81	a_e	MBB 6.8
FUR	75.30		P	03:41:46.433	0.2	42.9		5.83		TAS		615.6	0.84	a_e	MBB 6.8
GEC2	73.69		P	03:41:36.683	-0.2	42.9		5.83		TAS		269.6	0.86	a_e	MBB 6.4
GOR1	71.82		P	03:41:25.833	0.3	42.9		5.83		TAS		842.1	1.26	a_e	MBB 6.9
GRA1	74.22		P	03:41:40.383	0.5	42.9		5.83		TAS		973.4	0.82	a_e	MBB 6.9
GTTG	73.43		P	03:41:35.133	0.1	42.9		5.83		TAS		279.9	0.85	a_e	MBB 6.6
GUNZ	73.24		P	03:41:34.183	0.1	42.9		5.83		TAS		345.3	0.80	a_e	MBB 6.6
HLG	72.36		P	03:41:28.533	0.3	42.9		5.83		TAS		502.6	0.91	a_e	MBB 6.8
IBBN	73.80		P	03:41:36.829	-0.1	42.9		5.83		TAS		318.8	0.82	m_e	MBB 6.5
KAST	74.34		P	03:41:40.283	0.0	42.9		5.83		TAS		125.8	0.86	a_e	MBB 6.2
MOX	73.36		P	03:41:34.783	0.0	42.9		5.83		TAS		198.1	0.89	m_e	MBB 6.4
NEUB	72.90		P	03:41:31.783	-0.3	42.9		5.83		TAS		702.8	0.80	a_e	MBB 6.9
NRDL	72.68		P	03:41:30.633	0.1	42.9		5.83		TAS		281.6	0.96	a_e	MBB 6.5
PLN	73.23		P	03:41:34.083	0.0	42.9		5.83		TAS		242.7	0.82	a_e	MBB 6.5
RETH	72.82		P	03:41:31.383	0.1	42.9		5.83		TAS		428.5	1.14	a_e	MBB 6.7
RGN	69.87		P	03:41:13.783	-0.3	42.9		5.83		TAS		978.4	0.84	a_e	MBB 7.1
RJOB	74.90		P	03:41:44.233	0.3	42.9		5.83		TAS		443.5	0.83	a_e	MBB 6.5
ROTZ	73.72		P	03:41:37.333	0.4	42.9		5.83		TAS		76.2	0.85	a_e	MBB 5.9
RUE	71.11		P	03:41:21.333	-0.3	42.9		5.83		TAS		382.3	0.85	a_e	MBB 6.7
STU	75.80		P	03:41:48.783	-0.4	42.9		5.83		TAS		676.4	0.86	a_e	MBB 6.9
TANN	73.15		P	03:41:33.583	0.0	42.9		5.83		TAS		200.9	0.90	a_e	MBB 6.4
TNS	75.05		P	03:41:44.583	0.1	42.9		5.83		TAS		224.2	0.97	a_e	MBB 6.3
UBR	76.19		P	03:41:51.049	-0.1	42.9		5.83		TAS		97.2	0.83	m_e	MBB 6.2
WERD	73.19		P	03:41:33.783	-0.1	42.9		5.83		TAS		247.7	0.88	a_e	MBB 6.5
WERN	73.27		P	03:41:34.483	0.1	42.9		5.83		TAS		381.0	0.78	a_e	MBB 6.7
WET	73.86		P	03:41:38.033	0.2	42.9		5.83		TAS		305.2	0.85	a_e	MBB 6.5
WLF	76.45		P	03:41:52.433	-0.3	42.9		5.83		TAS		127.2	0.82	a_e	MBB 6.3

Event 70903007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/03	13:44:04.87			-20.4600	-177.9900				500.0				27	145.98	152.06	m i ke	BGR
	70903013																

Magnitude Err Nsta Author OrigID





Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	109.41		PKiKP	08:26:02.698		195.7		1.93		TAS				m_e		
BRG	113.05		PKiKP	08:26:09.999	-0.2	195.7		1.93		TAS				m_e		
CLL	113.24		PKiKP	08:26:09.992	0.2	195.7		1.93		TAS				m_e		
CLZ	113.16		PKiKP	08:26:10.200	-0.1	195.7		1.93		TAS				m_e		
FBE	112.96		PKiKP	08:26:09.467	-0.0	195.7		1.93		TAS				m_e		
FLT1	113.81		PKiKP	08:26:10.618	0.5	195.7		1.93		TAS				m_e		
GEC2	111.11		PKiKP	08:26:05.671		195.7		1.93		TAS				m_e		
GTTG	112.80		PKiKP	08:26:09.475	0.1	195.7		1.93		TAS				m_e		
GUNZ	112.20		PKiKP	08:26:08.110		195.7		1.93		TAS				m_e		
MOX	112.31		PKiKP	08:26:08.110	0.0	195.7		1.93		TAS				m_e		
NEUB	112.86		PKiKP	08:26:08.553	-0.1	195.7		1.93		TAS				m_e		
NRDL	113.72		PKiKP	08:26:11.315	0.0	195.7		1.93		TAS				m_e		
PLN	112.28		PKiKP	08:26:08.110		195.7		1.93		TAS				m_e		
RETH	113.80		PKiKP	08:26:11.872	0.1	195.7		1.93		TAS				m_e		
RJOB	109.85		PKiKP	08:26:03.320		195.7		1.93		TAS				m_e		
TANN	112.28		PKiKP	08:26:08.249		195.7		1.93		TAS				m_e		
TNS	111.23		PKiKP	08:26:06.786		195.7		1.93		TAS				m_e		
WERN	112.14		PKiKP	08:26:08.110		195.7		1.93		TAS				m_e		
WET	111.19		PKiKP	08:26:05.855		195.7		1.93		TAS				m_e		

Event 70904003 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2017/09/04	14:34:00.20			34.3300	25.0100				45.0			24		16.76	21.53	m i ke	EMSC
70904051																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70904009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	20.56		P	14:38:34.635		139.9		10.72		TAS		7.5	0.98	m_e	mb	4.0
BFO	18.72		P	14:38:16.103	1.0	139.9		10.72		TAS		5.2	0.80	m_e	mb	3.8
BRG	18.40		P	14:38:11.130	1.1	139.9		10.72		TAS		8.7	0.70	m_e	mb	4.0
BUG	21.39		P	14:38:44.345		139.9		10.72		TAS		15.4	0.64	m_e	mb	4.5
CLL	19.07		P	14:38:18.954	-0.3	139.9		10.72		TAS		18.6	1.03	m_e	mb	4.3
CLZ	20.44		P	14:38:33.787	-0.4	139.9		10.72		TAS		15.7	0.71	m_e	mb	4.3
FBE	18.63		P	14:38:14.448	0.5	139.9		10.72		TAS		14.8	1.02	m_e	mb	4.2
FLT1	20.53		P	14:38:34.015	0.0	139.9		10.72		TAS		67.9	1.15	m_e	mb	4.9
FUR	17.21		P	14:38:00.120	-0.9	139.9		10.72		TAS		42.2	0.78	m_e	mb	4.6
GEC2	16.76		P	14:37:54.136	0.1	139.9		10.72		TAS		38.4	0.64	m_e	mb	4.7
GRA1	18.41		P	14:38:12.067	-0.0	139.9		10.72		TAS		24.8	0.91	m_e	mb	4.3
GTTG	20.36		P	14:38:33.504	-0.2	139.9		10.72		TAS		120.1	1.06	m_e	mb	5.1
KAST	20.72		P	14:38:37.199		139.9		10.72		TAS		16.3	1.02	m_e	mb	4.3

MOX	19.01	P	14:38:18.444	0.0	139.9	10.72	TAS	11.8	0.83	m_e	mb	4.2
NEUB	19.40	P	14:38:24.262	-0.4	139.9	10.72	TAS	53.5	0.93	m_e	mb	4.8
NRDL	21.06	P	14:38:40.357		139.9	10.72	TAS	12.8	0.74	m_e	mb	4.3
PLN	18.68	P	14:38:14.907	1.5	139.9	10.72	TAS	10.1	0.61	m_e	mb	4.2
RETH	21.53	P	14:38:45.767		139.9	10.72	TAS	74.3	1.09	m_e	mb	5.0
TANN	18.51	P	14:38:13.292	0.7	139.9	10.72	TAS	25.3	0.90	m_e	mb	4.4
TNS	19.99	P	14:38:30.708	-0.5	139.9	10.72	TAS	21.8	1.33	m_e	mb	4.2
UBR	17.40	P	14:38:01.222	0.3	139.9	10.72	TAS	10.7	0.63	m_e	mb	4.1
WERD	18.60	P	14:38:14.086	0.8	139.9	10.72	TAS	99.0	2.27	m_e	mb	4.6
WERN	18.44	P	14:38:13.680	-0.2	139.9	10.72	TAS	9.7	0.74	m_e	mb	4.0
WET	17.32	P	14:38:00.008	-0.3	139.9	10.72	TAS	68.9	1.20	m_e	mb	4.7

Event 70904004 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/04	19:43:15.88			1.0700	92.6000				33.0			31		81.89	86.88	m i ke	BGR
70904010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70904010
MBB	5.5		BGR	70904010
Ms	4.0		BGR	70904010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.19		P	19:55:43.945	-0.1	96.1		5.06		TAS		8.7	0.92	m_e	MBB 5.4
BFO	85.39		P	19:55:50.053		96.1		5.06		TAS		10.5	0.79	m_e	mb 5.1
BRG	82.01		P	19:55:33.745	-0.1	96.1		5.06		TAS		57.9	1.68	a_e	MBB 5.3
BSEG	84.59		P	19:55:46.406	0.3	96.1		5.06		TAS		25.5	1.40	m_e	mb 5.3
BUG	86.25		P	19:55:54.695	-0.2	96.1		5.06		TAS		22.4	0.99	a_e	mb 5.3
CLL	82.66		P	19:55:36.195	0.2	96.1		5.06		TAS		13.8	1.04	a_e	MBB 5.3
CLZ	84.35		P	19:55:45.145	-0.4	96.1		5.06		TAS		18.8	0.88	a_e	MBB 5.5
FBE	82.39		P	19:55:35.445	0.0	96.1		5.06		TAS		21.7	0.90	a_e	MBB 5.5
FLT1	83.87		P	19:55:41.845	-0.0	96.1		5.06		TAS		9.7	1.01	a_e	MBB 5.4
FUR	83.41		P	19:55:39.995		96.1		5.06		TAS		28.8	0.88	a_e	MBB 5.8
GEC2	81.89		P	19:55:32.745	-0.0	96.1		5.06		TAS		58.0	0.86	a_e	MBB 5.9
GRA1	83.60		P	19:55:41.895	-0.3	96.1		5.06		TAS		23.5	0.93	a_e	MBB 5.8
GRA1	83.60		L	20:29:02.031						T__		66.5	19.70	a_e	Ms 4.0
GTTG	84.58		P	19:55:46.245	0.0	96.1		5.06		TAS		18.2	0.99	a_e	mb 5.3
GUNZ	82.96		P	19:55:38.295	0.2	96.1		5.06		TAS		13.1	0.95	a_e	MBB 5.5
IBBN	86.00		P	19:55:53.545	0.0	96.1		5.06		TAS		30.4	1.37	a_e	mb 5.2
KAST	85.52		P	19:55:51.045	0.4	96.1		5.06		TAS		11.0	0.86	a_e	MBB 5.3
MOX	83.45		P	19:55:40.745	0.1	96.1		5.06		TAS		28.0	1.42	m_e	MBB 5.6
MOX	83.45		L	20:32:46.131						T__		57.1	20.20	a_e	Ms 3.9
NEUB	83.41		P	19:55:40.245	0.2	96.1		5.06		TAS		27.3	1.01	a_e	MBB 5.6
NRDL	84.57		P	19:55:46.595	-0.9	96.1		5.06		TAS		16.3	1.14	a_e	mb 5.2
PLN	83.09		P	19:55:38.795	0.2	96.1		5.06		TAS		8.3	0.95	a_e	mb 4.9

Station	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RETH	85.05	P		19:55:48.607	0.1	96.1		5.06		TAS	11.5	1.24	m_e	mb	5.0
RJOB	82.35	P		19:55:34.245		96.1		5.06		TAS	20.9	1.13	a_e	MBB	5.4
ROTZ	82.97	P		19:55:38.595	0.1	96.1		5.06		TAS	3.2	0.95	a_e	MBB	4.7
RUE	82.34	P		19:55:34.878	-0.4	96.1		5.06		TAS	39.6	0.93	m_e	MBB	5.9
TANN	82.89	P		19:55:37.795	0.4	96.1		5.06		TAS	10.3	1.14	a_e	MBB	5.1
TNS	85.43	P		19:55:50.795	0.2	96.1		5.06		TAS	17.5	0.88	a_e	mb	5.3
UBR	84.15	P		19:55:43.995		96.1		5.06		TAS	21.8	0.79	a_e	MBB	5.6
WERD	82.99	P		19:55:38.195	0.2	96.1		5.06		TAS	11.7	0.96	a_e	MBB	5.5
WERN	82.93	P		19:55:38.123	0.6	96.1		5.06		TAS	7.9	0.88	m_e	MBB	5.1
WET	82.46	P		19:55:35.795	-0.7	96.1		5.06		TAS	27.6	1.08	a_e	MBB	5.5
WLF	86.88	P		19:55:58.145	-0.3	96.1		5.06		TAS	20.0	1.14	a_e	mb	5.1

Event 70905002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/05	02:50:01.00			-16.2400	167.9900				172.0					141.68	141.68	m i ke	NEIC
	70905097																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	141.68		PKiKP	03:09:06.532		39.4		2.09		TAS				m_e	
GRA1	141.68		SKiKP	03:12:30.269		40.0		1.83		TAS				m_e	

Event 70906001 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/06	00:10:43.20			8.9900	93.5200				33.0				31	76.51	80.71	m i ke	BGR
	70906007																

Magnitude Err Nsta Author OrigID

mb 5.3 BGR 70906007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.58	P		00:22:40.962	0.0	90.1		5.53		TAS	10.2	0.88	a_e	mb	4.9
BFO	80.16	P		00:22:49.831	-0.0	90.1		5.53		TAS	16.9	0.86	m_e	mb	5.0
BRG	76.51	P		00:22:30.162	0.3	90.1		5.53		TAS	21.7	0.89	a_e	mb	5.3
BSEG	78.79	P		00:22:42.612	0.4	90.1		5.53		TAS	52.7	0.99	a_e	mb	5.5
BUG	80.71	P		00:22:53.062		90.1		5.53		TAS	49.0	1.32	a_e	mb	5.4
CLL	77.11	P		00:22:32.812	0.1	90.1		5.53		TAS	22.3	1.14	a_e	mb	5.2
CLZ	78.76	P		00:22:42.362	0.2	90.1		5.53		TAS	30.3	0.71	a_e	mb	5.4
FBE	76.88	P		00:22:32.162	0.2	90.1		5.53		TAS	36.6	0.81	a_e	mb	5.6
FLT1	78.23	P		00:22:38.512	-0.3	90.1		5.53		TAS	15.9	0.67	a_e	mb	5.3

FUR	78.20	P	00:22:39.112	0.1	90.1	5.53	TAS	31.3	0.59	a_e	mb	5.6
GEC2	76.59	P	00:22:30.462	0.1	90.1	5.53	TAS	41.2	0.72	a_e	mb	5.7
GOR1	78.20	P	00:22:39.212	0.5	90.1	5.53	TAS	29.3	1.08	a_e	mb	5.3
GRA1	78.23	P	00:22:39.912	-0.9	90.1	5.53	TAS	23.6	0.82	a_e	mb	5.4
GTTG	79.02	P	00:22:43.762	0.1	90.1	5.53	TAS	28.5	0.82	a_e	mb	5.3
GUNZ	77.52	P	00:22:35.562	-0.1	90.1	5.53	TAS	22.4	1.24	m_e	mb	5.2
IBBN	80.37	P	00:22:51.262		90.1	5.53	TAS	39.4	0.82	a_e	mb	5.4
KAST	80.00	P	00:22:49.087	-0.2	90.1	5.53	TAS	10.3	0.86	m_e	mb	4.8
MOX	77.98	P	00:22:38.062	-0.1	90.1	5.53	TAS	9.6	0.74	a_e	mb	5.0
NEUB	77.89	P	00:22:37.212	0.0	90.1	5.53	TAS	23.3	0.90	a_e	mb	5.3
NRDL	78.92	P	00:22:43.612	-0.2	90.1	5.53	TAS	45.7	1.38	a_e	mb	5.3
PLN	77.63	P	00:22:36.062	-0.3	90.1	5.53	TAS	9.4	0.74	a_e	mb	5.0
RETH	79.38	P	00:22:45.762	-0.1	90.1	5.53	TAS	25.4	1.19	a_e	mb	5.1
RJOB	77.17	P	00:22:33.110	0.0	90.1	5.53	TAS	31.4	0.96	m_e	mb	5.4
ROTZ	77.59	P	00:22:36.412	-0.0	90.1	5.53	TAS	6.4	0.98	a_e	mb	4.7
RUE	76.68	P	00:22:30.512	-0.3	90.1	5.53	TAS	65.5	0.66	a_e	mb	5.9
TANN	77.44	P	00:22:35.062	0.1	90.1	5.53	TAS	19.2	1.40	a_e	mb	5.0
TNS	80.01	P	00:22:49.412	0.1	90.1	5.53	TAS	16.7	0.79	a_e	mb	5.0
UBR	78.99	P	00:22:43.362	0.0	90.1	5.53	TAS	43.9	0.67	a_e	mb	5.6
WERD	77.54	P	00:22:35.462	0.6	90.1	5.53	TAS	10.9	0.81	a_e	mb	5.0
WERN	77.49	P	00:22:35.462	0.1	90.1	5.53	TAS	8.5	0.88	a_e	mb	4.9
WET	77.14	P	00:22:33.512	-0.4	90.1	5.53	TAS	20.8	0.82	a_e	mb	5.3

Event 70906007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/06	19:05:48.30			-15.4000	-173.6500				56.0					145.57	145.57	m i ke	NEIC
70906102																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.57		PKPbc	19:25:20.661		15.3		2.87		TAS					m_e

Event 70907001 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/07	03:08:12.56			65.4700	-17.5700				15.1				22	18.95	23.99	m i ke	BGR
70907007																	

Magnitude Err Nsta Author OrigID

mb	4.5		BGR	70907007
Ms	3.5		BGR	70907007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	21.97		P	03:13:04.948		327.4		10.43		TAS		24.3	1.15	a_e mb	4.5
BRG	21.79		P	03:13:04.198	-0.3	327.4		10.43		TAS		22.3	0.90	a_e mb	4.6
BUG	18.95		P	03:12:34.894	-0.3	327.4		10.43		TAS		47.4	1.27	m_e mb	4.6
CLL	21.09		P	03:12:56.294	-0.5	327.4		10.43		TAS		28.4	1.08	m_e mb	4.5
CLZ	19.70		P	03:12:42.922	-0.4	327.4		10.43		TAS		39.5	1.30	m_e mb	4.5
FBE	21.54		P	03:13:01.048	-0.6	327.4		10.43		TAS		27.2	0.99	a_e mb	4.6
FLT1	19.62		P	03:12:41.018	1.1	327.4		10.43		TAS		83.9	1.80	m_e mb	4.7
GEC2	23.38		P	03:13:21.423		327.4		10.43		TAS		22.2	1.30	m_e mb	4.5
GRA1	21.78		P	03:13:03.598		327.4		10.43		TAS		36.4	1.18	a_e mb	4.7
GRA1	21.78		L	03:21:40.416						T__		179.7	21.90	a_e Ms	3.4
GUNZ	21.62		P	03:13:01.648		327.4		10.43		TAS		21.5	1.14	a_e mb	4.5
MOX	21.13		P	03:12:56.698	0.9	327.4		10.43		TAS		31.7	1.17	a_e mb	4.5
MOX	21.13		L	03:20:55.534						T__		278.5	21.70	a_e Ms	3.6
NEUB	20.73		P	03:12:53.948	-0.7	327.4		10.43		TAS		31.1	1.04	m_e mb	4.6
NEUB	20.73		pP	03:12:57.475						T__				m_e	
NRDL	19.07		P	03:12:34.563	1.1	327.4		10.43		TAS		58.4	1.47	m_e mb	4.6
PLN	21.46		P	03:13:00.048	-0.0	327.4		10.43		TAS		24.1	0.90	m_e mb	4.5
RJOB	23.99		P	03:13:27.048		327.4		10.43		TAS		17.6	1.44	a_e mb	4.4
ROTZ	22.07		P	03:13:06.339		327.4		10.43		TAS		8.3	1.63	m_e mb	3.9
STU	21.87		P	03:13:04.872		327.4		10.43		TAS		59.1	0.83	m_e mb	5.1
TANN	21.62		P	03:13:01.865	0.3	327.4		10.43		TAS		25.4	1.26	m_e mb	4.5
UBR	23.12		P	03:13:17.905		327.4		10.43		TAS		12.8	0.90	m_e mb	4.5
WERD	21.54		P	03:13:00.798	-0.2	327.4		10.43		TAS		16.0	1.01	a_e mb	4.4
WERN	21.70		P	03:13:02.548		327.4		10.43		TAS		72.4	1.94	a_e mb	4.8
WET	22.83		P	03:13:14.695		327.4		10.43		TAS		27.3	1.86	m_e mb	4.5

Event 70907005 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/07	17:26:57.13			28.8980	140.7190				496.5	9.4		35		86.67	92.09	m i ke	BGR
70907011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	70907011
MBB	6.4		BGR	70907011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.92		PP	17:42:48.062		39.8		7.87		TAS				m_e	
ASSE	88.24		P	17:38:53.228	-0.1	42.5		4.63		TAS		204.5	1.99	a_e MBB	6.3
ASSE	88.24		PP	17:42:28.221	0.6	39.8		7.87		TAS				m_e	
BFO	92.09		P	17:39:10.828		42.5		4.63		TAS		240.6	1.28	a_e MBB	6.6
BRG	87.75		P	17:38:51.228	-0.4	42.5		4.63		TAS		218.5	1.45	a_e MBB	6.5
BSEG	87.04		P	17:38:47.678	0.2	42.5		4.63		TAS		153.7	1.25	a_e MBB	6.2
BUG	90.14		P	17:39:01.678	0.1	42.5		4.63		TAS		96.5	1.09	a_e MBB	6.2

BUG	90.14	PP	17:42:43.491		39.8	7.87	TAS			m_e		
CLL	87.85	P	17:38:51.028	0.1	42.5	4.63	TAS	251.3	1.41	m_e	MBB	6.5
CLL	87.85	PP	17:42:24.422	0.2	39.8	7.87	TAS			m_e		
CLZ	88.58	P	17:38:55.028	-0.1	42.5	4.63	TAS	208.9	1.54	a_e	MBB	6.3
CLZ	88.58	PP	17:42:31.158	-0.0	39.8	7.87	TAS			m_e		
FBE	87.97	P	17:38:52.078	0.0	42.5	4.63	TAS	273.7	1.31	a_e	MBB	6.6
FBE	87.97	PP	17:42:26.000	0.2	39.8	7.87	TAS			m_e		
FLT1	87.85	P	17:38:50.828	0.0	42.5	4.63	TAS	81.2	1.08	a_e	MBB	6.4
FLT1	87.85	pP	17:40:43.039				T__			m_e		
FLT1	87.85	PP	17:42:26.000	-0.8	39.8	7.87	TAS			m_e		
FUR	90.91	P	17:39:05.778	-0.3	42.5	4.63	TAS	482.9	1.19	a_e	MBB	6.9
GEC2	89.30	P	17:38:57.878	0.1	42.5	4.63	TAS	182.2	1.27	a_e	MBB	6.4
GEC2	89.30	PP	17:42:37.986		39.8	7.87	TAS			m_e		
GOR1	87.34	P	17:38:49.228	0.3	42.5	4.63	TAS	209.6	1.47	a_e	MBB	6.4
GRA1	89.81	P	17:39:00.878	-0.3	42.5	4.63	TAS	281.1	1.23	a_e	MBB	6.6
GTTG	88.97	P	17:38:56.728	-0.3	42.5	4.63	TAS	303.2	1.86	a_e	MBB	6.3
GTTG	88.97	PP	17:42:35.649		39.8	7.87	TAS			m_e		
GUNZ	88.83	P	17:38:55.978	0.0	42.5	4.63	TAS	208.3	1.41	a_e	MBB	6.4
HLG	87.79	PP	17:42:23.000	-0.0	39.8	7.87	TAS			m_e		
IBBN	89.28	P	17:38:57.978	0.3	42.5	4.63	TAS	262.4	1.09	a_e	MBB	6.6
IBBN	89.28	pP	17:40:47.975				T__			m_e		
KAST	89.86	P	17:39:00.778	-0.1	42.5	4.63	TAS	257.2	1.92	a_e	MBB	6.2
KAST	89.86	PP	17:42:39.936		39.8	7.87	TAS			m_e		
MOX	88.93	P	17:38:56.478	-0.1	42.5	4.63	TAS	141.1	1.40	a_e	MBB	6.3
MOX	88.93	PP	17:42:34.991		39.8	7.87	TAS			m_e		
NEUB	88.46	P	17:38:54.128	0.1	42.5	4.63	TAS	123.1	1.07	a_e	MBB	6.6
NEUB	88.46	PP	17:42:29.683	1.6	39.8	7.87	TAS			m_e		
NRDL	88.20	P	17:38:53.028	-0.0	42.5	4.63	TAS	82.3	1.35	a_e	MBB	6.3
NRDL	88.20	PP	17:42:28.087	0.5	39.8	7.87	TAS			m_e		
PLN	88.81	P	17:38:56.028	0.1	42.5	4.63	TAS	137.7	1.44	a_e	MBB	6.4
PLN	88.81	PP	17:42:34.054	0.7	39.8	7.87	TAS			m_e		
RETH	88.32	P	17:38:53.528	0.2	42.5	4.63	TAS	109.7	1.22	a_e	MBB	6.4
RETH	88.32	PP	17:42:28.747	0.7	39.8	7.87	TAS			m_e		
RJOB	90.52	P	17:39:03.778	0.1	42.5	4.63	TAS	171.4	1.05	a_e	MBB	6.6
RJOB	90.52	PP	17:42:47.306		39.8	7.87	TAS			m_e		
ROTZ	89.32	P	17:38:58.578	0.4	42.5	4.63	TAS	80.6	1.47	a_e	MBB	5.9
ROTZ	89.32	pP	17:40:48.566				T__			m_e		
RUE	86.67	P	17:38:45.978	0.0	42.5	4.63	TAS	54.9	0.65	a_e	MBB	6.6
STU	91.38	P	17:39:07.678	-0.2	42.5	4.63	TAS	543.9	1.19	a_e	MBB	7.0
TANN	88.73	P	17:38:55.628	0.1	42.5	4.63	TAS	140.5	1.55	a_e	MBB	6.3
TNS	90.60	P	17:39:04.278	-0.1	42.5	4.63	TAS	194.1	1.71	a_e	MBB	6.3
UBR	91.79	P	17:39:09.378		42.5	4.63	TAS	134.6	1.30	a_e	MBB	6.4
UBR	91.79	pP	17:40:59.079				T__			m_e		
WERD	88.78	P	17:38:55.628	0.0	42.5	4.63	TAS	154.4	1.43	a_e	MBB	6.3
WERD	88.78	PP	17:42:33.751	-0.9	39.8	7.87	TAS			m_e		
WERN	88.86	P	17:38:56.178	0.1	42.5	4.63	TAS	226.0	1.35	a_e	MBB	6.4
WET	89.47	P	17:38:59.078	0.0	42.5	4.63	TAS	144.2	1.38	m_e	MBB	6.4
WET	89.47	PP	17:42:39.600		39.8	7.87	TAS			m_e		
WLF	91.97	P	17:39:10.928		42.5	4.63	TAS	276.3	1.32	a_e	MBB	6.6

Event 70907006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/07	17:36:15.00			-25.7400	-179.9500				480.0					154.56	154.56	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	154.56		PKPbc	17:55:37.699		25.8		3.80		TAS					m_e

Event 70908001 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/08	04:49:20.59			14.5730	-92.0150				33.0				39	84.00	90.90	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	7.6		BGR	70908007
MBB	8.2		BGR	70908007
Ms	8.3		BGR	70908007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	90.90		P	05:02:19.394		289.9		4.98		TAS		631.7	1.05	m_e	MBB 8.1
ASSE	86.23		P	05:01:58.043	-0.2	289.9		4.98		TAS		7746.1	1.20	a_e	MBB 8.1
BFO	85.98		S	05:12:41.044	0.4	290.5		10.47		TAS				m_e	
BFO	85.98		P	05:01:56.493	-0.0	289.9		4.98		TAS		4495.2	1.36	a_e	MBB 8.1
BRG	88.58		S	05:13:08.073		290.5		10.47		TAS				m_e	
BRG	88.58		P	05:02:09.943	-0.5	289.9		4.98		TAS		12643.4	2.32	a_e	MBB 8.1
BRG	88.58		PP	05:06:05.353		293.4		7.80		TAS				m_e	
BSEG	85.45		S	05:12:35.939	-2.0	290.5		10.47		TAS				m_e	
BSEG	85.45		P	05:01:53.743	0.0	289.9		4.98		TAS		9782.8	1.16	a_e	MBB 8.5
BUG	84.42		S	05:12:24.827	-0.4	290.5		10.47		TAS				m_e	
BUG	84.42		P	05:01:48.793	-0.5	289.9		4.98		TAS		9772.6	1.62	m_e	MBB 8.4
CLL	87.87		S	05:12:59.664		290.5		10.47		TAS				m_e	
CLL	87.87		P	05:02:05.640	0.4	289.9		4.98		TAS		2871.6	1.11	m_e	MBB 8.2
CLL	87.87		PP	05:05:59.913		293.4		7.80		TAS				m_e	
CLZ	86.15		P	05:01:57.793	0.1	289.9		4.98		TAS		7789.7	1.23	a_e	MBB 8.3
FBE	88.22		P	05:02:07.970	0.6	289.9		4.98		TAS		7704.3	1.54	m_e	MBB 8.1
FLT1	86.49		P	05:01:59.514	-0.3	289.9		4.98		TAS		7328.1	1.20	m_e	MBB 8.2
FLT1	86.49		PP	05:05:47.401		293.4		7.80		TAS				m_e	
FUR	87.90		S	05:13:00.265		290.5		10.47		TAS				m_e	

FUR	87.90	P	05:02:06.443	0.4	289.9	4.98	TAS	12445.0	2.15	a_e	MBB	8.3
GEC2	89.17	S	05:13:16.483		290.5	10.47	TAS			m_e		
GEC2	89.17	P	05:02:12.405	-0.5	289.9	4.98	TAS	2066.8	1.29	m_e	MBB	8.1
GOR1	86.31	P	05:01:58.143	0.1	289.9	4.98	TAS	8404.4	1.32	a_e	MBB	8.3
GRA1	87.36	S	05:12:56.961	1.2	290.5	10.47	TAS			m_e		
GRA1	87.36	P	05:02:03.993	-0.0	289.9	4.98	TAS	5401.6	1.16	m_e	mb	7.6
GRA1	87.36	L	05:44:23.187				T__	1133280.0	20.40	a_e	Ms	8.3
GTTG	86.00	S	05:12:42.546	-1.0	290.5	10.47	TAS			m_e		
GTTG	86.00	P	05:01:56.843	0.2	289.9	4.98	TAS	10705.8	1.05	a_e	MBB	8.2
GTTG	86.00	PP	05:05:45.225	0.3	293.4	7.80	TAS			m_e		
GUNZ	87.80	P	05:02:05.693	0.3	289.9	4.98	TAS	1982.1	0.98	a_e	MBB	8.0
HLG	84.00	S	05:12:20.922	0.7	290.5	10.47	TAS			m_e		
HLG	84.00	P	05:01:46.693	-0.5	289.9	4.98	TAS	22314.7	1.38	a_e	MBB	8.6
IBBN	84.47	S	05:12:25.127	-0.4	290.5	10.47	TAS			m_e		
IBBN	84.47	P	05:01:49.043	-0.4	289.9	4.98	TAS	18623.3	1.64	a_e	MBB	8.5
KAST	85.18	S	05:12:33.836	0.6	290.5	10.47	TAS			m_e		
KAST	85.18	P	05:01:52.743	0.1	289.9	4.98	TAS			a_e		
KBA	89.59	P	05:02:13.696	-1.0	289.9	4.98	TAS	3024.1	1.32	m_e	MBB	8.1
MOA	89.89	P	05:02:15.120	-1.2	289.9	4.98	TAS	1420.7	1.06	m_e	MBB	8.1
MOX	87.28	S	05:12:56.961	0.8	290.5	10.47	TAS			m_e		
MOX	87.28	P	05:02:03.143	0.4	289.9	4.98	TAS	4868.7	1.40	a_e	MBB	8.1
MOX	87.28	PP	05:05:54.473		293.4	7.80	TAS			m_e		
MOX	87.28	L	05:43:18.146				T__	1418900.0	21.70	a_e	Ms	8.3
NEUB	87.18	S	05:12:53.057	1.4	290.5	10.47	TAS			m_e		
NEUB	87.18	P	05:02:02.643	0.1	289.9	4.98	TAS	5586.1	1.22	a_e	MBB	8.2
NEUB	87.18	PP	05:05:52.841		293.4	7.80	TAS			m_e		
NRDL	85.78	S	05:12:37.140	0.9	290.5	10.47	TAS			m_e		
NRDL	85.78	P	05:01:55.793	-0.3	289.9	4.98	TAS	5971.2	1.07	a_e	MBB	8.3
OBKA	90.56	P	05:02:17.969		289.9	4.98	TAS	1081.9	0.89	m_e	MBB	8.1
PLN	87.66	P	05:02:05.043	0.1	289.9	4.98	TAS	10100.7	1.79	a_e	MBB	8.3
PLN	87.66	PP	05:05:56.921		293.4	7.80	TAS			m_e		
RETH	85.28	P	05:01:53.443	-0.5	289.9	4.98	TAS	11282.0	1.14	a_e	MBB	8.5
RGN	86.90	S	05:12:50.655	-0.9	290.5	10.47	TAS			m_e		
RGN	86.90	P	05:02:00.843	0.0	289.9	4.98	TAS	6514.5	1.05	a_e	MBB	8.3
RGN	86.90	PP	05:05:50.121		293.4	7.80	TAS			m_e		
ROTZ	87.93	S	05:13:03.569		290.5	10.47	TAS			m_e		
ROTZ	87.93	P	05:02:06.743	0.7	289.9	4.98	TAS	1843.3	1.83	a_e	MBB	7.7
ROTZ	87.93	PP	05:06:00.729		293.4	7.80	TAS			m_e		
RUE	87.90	S	05:13:00.265		290.5	10.47	TAS			m_e		
RUE	87.90	P	05:02:06.686	0.5	289.9	4.98	TAS	2965.3	1.14	m_e	MBB	8.3
RUE	87.90	PP	05:05:58.825		293.4	7.80	TAS			m_e		
STU	86.39	P	05:01:58.843	0.3	289.9	4.98	TAS	15126.1	1.23	a_e	MBB	8.6
STU	86.39	PP	05:05:50.121		293.4	7.80	TAS			m_e		
TANN	87.86	P	05:02:06.143	0.6	289.9	4.98	TAS	3281.6	1.09	a_e	MBB	8.3
TANN	87.86	PP	05:05:59.369		293.4	7.80	TAS			m_e		
TNS	85.49	P	05:01:54.443	-0.0	289.9	4.98	TAS	9995.0	0.99	a_e	MBB	8.4
UBR	87.31	P	05:02:03.643	0.2	289.9	4.98	TAS	5050.4	1.12	a_e	MBB	8.2
WERD	87.76	P	05:02:05.343	0.2	289.9	4.98	TAS	7798.1	1.63	a_e	MBB	8.0
WERN	87.85	P	05:02:06.043	-0.3	289.9	4.98	TAS	37361.9	2.65	a_e	MBB	8.1



WET	88.56	S	05:13:09.575	290.5	10.47	TAS												m_e	
WET	88.56	P	05:02:09.893	0.2 289.9	4.98	TAS	11311.0	1.80	a_e	MBB	8.2								
WET	88.56	PP	05:06:05.353	293.4	7.80	TAS												m_e	
WLF	84.22	S	05:12:24.226	0.6 290.5	10.47	TAS												m_e	
WLF	84.22	P	05:01:48.393	0.1 289.9	4.98	TAS	6775.6	1.24	a_e	MBB	8.4								
WTTA	88.43	P	05:02:09.303	0.6 289.9	4.98	TAS	2895.8	1.33	m_e	MBB	8.3								

Event 70908004 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/08	06:32:25.66			71.8230	4.6390				10.0			19		19.55	23.63	m i ke	BGR
70908010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70908010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.39		P	06:37:12.383	-0.5	354.6		10.54		TAS		24.6	0.86	m_e mb	4.6
BFO	23.63		P	06:37:35.011		354.6		10.54		TAS		7.2	0.79	m_e mb	4.3
BRG	21.44		P	06:37:14.289	-1.3	354.6		10.54		TAS		6.2	0.91	m_e mb	3.9
BUG	20.49		P	06:37:02.877	1.0	354.6		10.54		TAS		70.0	1.26	m_e mb	4.7
CLL	20.93		P	06:37:07.683	0.8	354.6		10.54		TAS		10.6	0.93	m_e mb	4.2
CLZ	20.22		P	06:37:00.600	1.4	354.6		10.54		TAS		18.5	0.87	m_e mb	4.3
FBE	21.34		P	06:37:13.047	-0.3	354.6		10.54		TAS		12.3	0.83	m_e mb	4.3
FLT1	19.78		P	06:36:55.381	0.6	354.6		10.54		TAS		10.6	0.86	m_e mb	4.1
GUNZ	21.82		P	06:37:18.696		354.6		10.54		TAS		8.2	0.86	m_e mb	4.2
KAST	20.76		P	06:37:07.113	-0.2	354.6		10.54		TAS		16.1	0.96	m_e mb	4.3
MOX	21.49		P	06:37:15.845		354.6		10.54		TAS		15.5	0.89	m_e mb	4.3
NEUB	20.95		P	06:37:08.215	0.5	354.6		10.54		TAS		25.2	0.73	m_e mb	4.6
NRDL	19.55		P	06:36:53.561	-0.6	354.6		10.54		TAS		19.9	1.03	m_e mb	4.3
ROTZ	22.40		P	06:37:23.756		354.6		10.54		TAS		2.7	0.85	m_e mb	3.7
TANN	21.77		P	06:37:17.173		354.6		10.54		TAS		10.3	0.83	m_e mb	4.3
TNS	21.74		P	06:37:17.591		354.6		10.54		TAS		9.6	1.02	m_e mb	4.2
WERD	21.73		P	06:37:16.059		354.6		10.54		TAS		8.6	0.90	m_e mb	4.2
WERN	21.89		P	06:37:19.170		354.6		10.54		TAS		25.7	0.93	m_e mb	4.6
WET	23.07		P	06:37:30.444		354.6		10.54		TAS		28.7	1.35	m_e mb	4.6

Event 70914001 North Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/14	08:14:48.14	0.68	1.02	58.6600	1.8850	13.3	8.9	56	10.0			21	309	4.50	10.44	m i ke	BGR
70914007																	

Magnitude Err Nsta Author OrigID  
 ML 4.4 BGR 70914007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	8.67		Pn	08:16:49.734	-1.1					T__				m_e	
ASSE	8.23		Sn	08:18:10.438	0.4					T__				m_e	
ASSE	8.23		Pn	08:16:44.276	-0.7					T__				m_e	
BRG	10.44		Sn	08:19:03.740						T__				m_e	
BSD	7.97		Pn	08:16:40.738	-0.6					T__				m_e	
BSEG	6.66		Sn	08:17:33.162	2.0					T__				m_e	
BSEG	6.66		Pn	08:16:23.248	-0.6					T__				m_e ML	4.0
BUG	7.87		Sn	08:18:02.683	1.2					T__				m_e ML	4.3
CHRS	8.72		Sn	08:18:20.478	-0.8					T__				m_e	
CHRS	8.72		Pn	08:16:51.613	0.2					T__				m_e	
CLL	9.74		Sn	08:18:44.909						T__				m_e	
CLZ	8.37		Pn	08:16:46.549	-0.2					T__				m_e ML	4.5
CLZ	8.37		Sn	08:18:09.604	-3.7					T__				m_e	
FLT1	8.27		Sn	08:18:10.767	-0.0					T__				m_e	
FLT1	8.27		Pn	08:16:44.657	-0.7					T__				m_e ML	4.2
GTTG	8.50		Sn	08:18:18.319	2.2					T__				m_e	
GTTG	8.50		Pn	08:16:49.532	1.1					T__				m_e ML	4.8
HLG	5.59		Sn	08:17:08.442	0.2					T__				m_e	
HLG	5.59		Pn	08:16:10.257	1.0					T__				m_e	
HROE	9.44		Sn	08:18:40.230						T__				m_e	
IBBN	7.19		Sn	08:17:46.029	0.4					T__				m_e ML	4.4
KAST	8.36		Sn	08:18:12.744	-0.3					T__				m_e	
KAST	8.36		Pn	08:16:47.227	0.6					T__				m_e	
LOCC	7.49		Sn	08:17:53.004	0.3					T__				m_e	
MEM	8.41		Pn	08:16:47.558	0.2					T__				m_e	
MILB	9.85		Sn	08:18:51.052						T__				m_e	
MUD	4.50		Sn	08:16:43.177	0.3					T__				m_e	
MUD	4.50		Pn	08:15:54.513	-0.2					T__				m_e ML	3.9
NRDL	7.73		Sn	08:17:57.999	-0.4					T__				m_e	
NRDL	7.73		Pn	08:16:38.433	0.2					T__				m_e	
POSS	8.97		Sn	08:18:27.440	0.3					T__				m_e ML	4.7
RETH	7.28		Pn	08:16:32.858	0.7					T__				m_e	
RETHO	7.28		Sn	08:17:46.972	-0.8					T__				m_e	
SPAHL	9.27		Sn	08:18:36.687						T__				m_e	
TNS	9.27		Sn	08:18:35.165						T__				m_e	
TNS	9.27		Pn	08:16:59.139	0.2					T__				m_e	
WIMM	9.03		Sn	08:18:29.112						T__				m_e	
WTSB	7.27		Sn	08:17:46.313	-1.2					T__				m_e	

Event 70915006 Northern Sumatera, Indonesia

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

2017/09/15 12:36:44.38 1.0890 99.6430 33.0 21 86.44 90.07 m i ke BGR  
70915012

Magnitude Err Nsta Author OrigID  
mb 5.0 BGR 70915012  
Ms 3.4 BGR 70915012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	88.51		P	12:49:33.169	0.1	90.5		4.74		TAS		16.8	1.28	m_e	mb	5.1
BFO	90.07		P	12:49:40.336		90.5		4.74		TAS		6.6	0.87	m_e	mb	4.9
BRG	86.44		P	12:49:23.881	0.3	90.5		4.74		TAS		5.8	0.85	m_e	mb	4.7
BSEG	88.73		P	12:49:34.534		90.5		4.74		TAS		17.1	0.98	m_e	mb	5.2
CLL	87.05		P	12:49:25.880	0.0	90.5		4.74		TAS		6.4	0.89	m_e	mb	4.8
CLZ	88.70		P	12:49:34.047	-0.5	90.5		4.74		TAS		16.9	0.90	m_e	mb	5.3
FBE	86.81		P	12:49:25.783	0.4	90.5		4.74		TAS		7.6	0.92	m_e	mb	4.8
FLT1	88.17		P	12:49:31.073	0.2	90.5		4.74		TAS		9.1	0.99	m_e	mb	5.1
GEC2	86.51		P	12:49:23.808	-0.1	90.5		4.74		TAS		7.2	0.93	m_e	mb	4.8
GRA1	88.15		P	12:49:32.218	0.4	90.5		4.74		TAS		27.9	1.35	m_e	mb	5.4
GRA1	88.15		L	13:26:12.944						T__		16.2	18.60	a_e	Ms	3.5
GTTG	88.95		P	12:49:35.899		90.5		4.74		TAS		21.2	0.88	m_e	mb	5.4
GUNZ	87.45		P	12:49:28.415	0.4	90.5		4.74		TAS		8.5	1.23	m_e	mb	4.7
KAST	89.93		P	12:49:40.287		90.5		4.74		TAS		10.4	0.93	m_e	mb	5.1
MOX	87.91		P	12:49:30.341	-0.2	90.5		4.74		TAS		18.9	1.69	m_e	mb	5.1
MOX	87.91		L	13:20:26.931						T__		17.0	21.30	a_e	Ms	3.4
NRDL	88.86		P	12:49:35.582		90.5		4.74		TAS		18.6	1.06	m_e	mb	5.2
ROTZ	87.51		P	12:49:29.074	0.5	90.5		4.74		TAS		1.0	0.89	m_e	mb	4.2
RUE	86.61		P	12:49:24.393	-0.0	90.5		4.74		TAS		35.7	0.84	m_e	mb	5.5
TANN	87.37		P	12:49:27.733	0.1	90.5		4.74		TAS		10.2	1.40	m_e	mb	4.8
TNS	89.94		P	12:49:40.287		90.5		4.74		TAS		17.8	0.83	m_e	mb	5.3
WERD	87.47		P	12:49:28.342	-0.2	90.5		4.74		TAS		14.0	1.45	m_e	mb	4.9
WET	87.06		P	12:49:26.538	-0.2	90.5		4.74		TAS		5.6	0.95	m_e	mb	4.7

Event 70915007 Off east coast of Kamchatka Peninsula, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2017/09/15 17:26:06.41 52.6630 160.4270 33.0 72.83 76.88 m i ke BGR  
70915013

Magnitude Err Nsta Author OrigID  
mb 4.7 BGR 70915013  
Ms 3.9 BGR 70915013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	76.62		P	17:37:51.999		17.5		5.00		TAS		12.2	1.33	m_e	mb	4.9
CLL	72.83		P	17:37:29.570		17.5		5.00		TAS		13.9	1.25	m_e	mb	4.9
CLZ	72.87		P	17:37:30.607		17.5		5.00		TAS		16.4	1.19	m_e	mb	5.0

GEC2	74.99	P	17:37:43.117	17.5	5.00	TAS	3.0	0.61	m_e	mb	4.5
GRA1	74.73	P	17:37:41.660	17.5	5.00	TAS	6.8	0.87	m_e	mb	4.7
GRA1	74.73	L	18:11:54.089			T__	61.1	21.00	a_e	Ms	3.9
GUNZ	73.86	P	17:37:36.342	17.5	5.00	TAS	5.4	0.99	m_e	mb	4.5
KAST	73.85	P	17:37:35.980	17.5	5.00	TAS	10.4	1.16	m_e	mb	4.8
MOX	73.75	P	17:37:35.502	17.5	5.00	TAS	7.9	1.14	m_e	mb	4.6
MOX	73.75	L	18:08:58.786			T__	65.1	21.70	a_e	Ms	3.9
TNS	74.78	P	17:37:41.498	17.5	5.00	TAS	3.9	0.69	m_e	mb	4.6
UBR	76.88	P	17:37:53.793	17.5	5.00	TAS	5.6	0.87	m_e	mb	4.7
WERD	73.79	P	17:37:35.869	17.5	5.00	TAS	6.8	1.13	m_e	mb	4.6
WET	74.89	P	17:37:42.787	17.5	5.00	TAS	5.1	0.88	m_e	mb	4.6

Event 70915008 Zaire

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/15	17:45:55.79			-1.6260	28.7520				33.0			13		51.87	57.45	m i ke	BGR
70915014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70915014
Ms	4.1		BGR	70915014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	55.69		P	17:55:30.919		158.0		7.34		TAS		14.1	1.32	m_e	mb	4.8
BFO	52.83		P	17:55:09.490	-0.3	158.0		7.34		TAS		25.7	1.52	m_e	mb	4.9
BFO	52.83		L	18:17:50.901						T__		142.7	21.90	a_e	Ms	4.0
BSEG	57.45		P	17:55:43.347		158.0		7.34		TAS		17.0	0.98	m_e	mb	5.0
BSEG	57.45		L	18:20:28.561						T__		102.8	21.60	a_e	Ms	3.9
CLL	54.41		L	18:21:07.457						T__		171.1	20.80	a_e	Ms	4.1
FUR	51.87		L	18:22:03.193						T__		174.2	18.70	a_e	Ms	4.1
GEC2	51.94		P	17:55:03.677	-0.3	158.0		7.34		TAS		8.5	0.94	m_e	mb	4.7
GEC2	51.94		L	18:19:32.991						T__		266.8	19.90	a_e	Ms	4.3
GRA1	53.30		P	17:55:13.243	-0.1	158.0		7.34		TAS		16.3	1.03	m_e	mb	4.9
GRA1	53.30		L	18:21:36.537						T__		189.0	18.60	a_e	Ms	4.2
MOX	54.09		L	18:18:14.633						T__		193.9	21.80	a_e	Ms	4.1
NRDL	56.16		P	17:55:34.831		158.0		7.34		TAS		29.4	1.11	m_e	mb	5.2
PLN	53.82		P	17:55:17.695	-0.6	158.0		7.34		TAS		8.4	0.95	m_e	mb	4.7
RETH	56.57		P	17:55:37.842		158.0		7.34		TAS		37.7	1.48	m_e	mb	5.2
ROTZ	53.14		P	17:55:11.836	0.4	158.0		7.34		TAS		1.5	1.01	m_e	mb	3.9
TNS	54.51		P	17:55:22.193		158.0		7.34		TAS		11.7	1.09	m_e	mb	4.8
TNS	54.51		L	18:20:11.094						T__		212.0	20.10	a_e	Ms	4.2
WERN	53.59		P	17:55:15.812	0.2	158.0		7.34		TAS		10.9	1.28	m_e	mb	4.7
WET	52.40		P	17:55:06.730	-0.5	158.0		7.34		TAS		11.4	1.37	m_e	mb	4.6
WET	52.40		L	18:19:22.351						T__		215.1	20.10	a_e	Ms	4.2
WLF	54.67		P	17:55:23.358		158.0		7.34		TAS		17.6	1.07	m_e	mb	5.0

Event 70915009 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/15	23:13:17.30			67.8040	144.9050				33.0			17		53.97	59.94	m i ke	BGR
OrigID 70915015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70915015
Ms	4.0		BGR	70915015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	59.69		P	23:23:16.531		18.9		7.05		TAS		20.7	1.44	m_e	mb	5.0
BFO	59.69		L	23:49:29.719						T__		99.9	21.30	a_e	Ms	3.9
BSEG	53.97		L	23:47:51.638						T__		138.6	21.10	a_e	Ms	4.0
CLL	55.89		P	23:22:49.124	0.2	18.9		7.05		TAS		11.0	0.89	m_e	mb	4.9
CLL	55.89		L	23:48:52.555						T__		89.7	19.70	a_e	Ms	3.9
CLZ	55.94		P	23:22:50.444	0.1	18.9		7.05		TAS		20.9	1.27	m_e	mb	5.0
FUR	59.23		L	23:52:58.908						T__		103.5	18.00	a_e	Ms	4.0
GEC2	58.06		P	23:23:05.056		18.9		7.05		TAS		13.4	1.27	m_e	mb	4.8
GEC2	58.06		L	23:50:03.767						T__		197.0	19.00	a_e	Ms	4.2
GRA1	57.79		P	23:23:03.617		18.9		7.05		TAS		37.7	1.60	m_e	mb	5.2
GRA1	57.79		L	23:48:17.198						T__		105.7	20.80	a_e	Ms	3.9
GTTG	56.30		P	23:22:53.020	-0.1	18.9		7.05		TAS		9.8	0.97	m_e	mb	4.8
GUNZ	56.92		P	23:22:57.377		18.9		7.05		TAS		33.7	1.48	m_e	mb	5.2
KAST	56.93		P	23:22:56.519		18.9		7.05		TAS		19.8	1.48	m_e	mb	4.9
MOX	56.81		P	23:22:56.408	-0.3	18.9		7.05		TAS		22.5	1.40	m_e	mb	5.0
MOX	56.81		L	23:47:47.340						T__		98.4	20.90	a_e	Ms	3.9
PLN	56.84		P	23:22:56.725		18.9		7.05		TAS		34.6	1.46	m_e	mb	5.2
ROTZ	57.51		P	23:23:01.487		18.9		7.05		TAS		3.5	1.41	m_e	mb	4.2
TANN	56.85		P	23:22:56.647		18.9		7.05		TAS		11.0	1.18	m_e	mb	4.8
TNS	57.86		P	23:23:04.061		18.9		7.05		TAS		5.5	0.77	m_e	mb	4.7
TNS	57.86		L	23:52:08.397						T__		126.6	18.90	a_e	Ms	4.1
UBR	59.94		P	23:23:18.149		18.9		7.05		TAS		20.9	1.58	m_e	mb	4.9
WERD	56.85		P	23:22:56.750		18.9		7.05		TAS		33.5	1.41	m_e	mb	5.2
WERN	56.99		P	23:22:57.920		18.9		7.05		TAS		21.9	1.38	m_e	mb	5.0
WET	57.96		P	23:23:04.645		18.9		7.05		TAS		8.8	1.42	m_e	mb	4.6
WET	57.96		L	23:49:24.885						T__		101.2	21.70	a_e	Ms	3.9

Event 70916005 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/16	01:34:49.19			52.4190	-169.6850				33.0					77.31	78.26	m i ke	BGR
OrigID 70916011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70916011
Ms	3.8		BGR	70916011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.26		P	01:46:44.079		2.3		4.87		TAS		6.5	0.85	m_e	mb	4.8
GRA1	78.26		L	02:32:21.348						T__		40.9	19.70	a_e	Ms	3.8
MOX	77.31		L	02:31:42.164						T__		49.7	18.20	a_e	Ms	3.9

Event 70916006 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/16	10:11:36.36			41.7190	83.3420				33.0			32		46.81	52.28	m i ke	BGR
	70916012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70916012
Ms	5.2		BGR	70916012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	48.74		P	10:20:15.354	0.1	70.2		7.66		TAS		145.7	2.33	m_e	mb	5.6
BFO	51.47		P	10:20:36.516		70.2		7.66		TAS		64.8	1.29	m_e	mb	5.4
BFO	51.47		L	10:43:18.501						T__		3116.1	18.00	a_e	Ms	5.4
BRG	47.17		P	10:20:04.164	-0.1	70.2		7.66		TAS		170.4	1.91	m_e	mb	5.9
BSEG	48.40		P	10:20:13.600	0.3	70.2		7.66		TAS		84.8	1.12	m_e	mb	5.8
BSEG	48.40		L	10:41:05.145						T__		4508.9	18.70	a_e	Ms	5.5
BUG	50.96		P	10:20:32.885	-0.2	70.2		7.66		TAS		80.8	1.30	m_e	mb	5.5
CLL	47.61		P	10:20:06.791	-0.5	70.2		7.66		TAS		58.2	0.92	m_e	mb	5.7
CLL	47.61		L	10:40:52.757						T__		1831.0	19.50	a_e	Ms	5.1
CLZ	49.01		P	10:20:17.924	-0.2	70.2		7.66		TAS		32.2	0.92	m_e	mb	5.3
FBE	47.51		P	10:20:06.788	-0.1	70.2		7.66		TAS		69.3	1.04	m_e	mb	5.7
FLT1	48.35		P	10:20:12.147	-0.1	70.2		7.66		TAS		47.5	0.80	m_e	mb	5.7
FUR	49.70		P	10:20:24.045		70.2		7.66		TAS		84.6	0.89	a_e	mb	5.7
FUR	49.70		L	10:42:18.945						T__		2687.5	18.20	a_e	Ms	5.3
GEC2	47.95		P	10:20:10.245	0.8	70.2		7.66		TAS		248.5	2.32	m_e	mb	5.9
GEC2	47.95		L	10:43:47.180						T__		2291.0	20.60	a_e	Ms	5.1
GOR1	48.11		P	10:20:11.195	0.5	70.2		7.66		TAS		181.2	1.32	a_e	mb	6.0
GRA1	49.20		P	10:20:20.337	-0.2	70.2		7.66		TAS		108.0	1.10	m_e	mb	5.8
GRA1	49.20		L	10:44:24.990						T__		1726.8	19.80	a_e	Ms	5.0
GTTG	49.34		P	10:20:20.836	-0.7	70.2		7.66		TAS		107.5	0.91	m_e	mb	5.9
GUNZ	48.30		P	10:20:12.821	0.3	70.2		7.66		TAS		48.9	1.05	m_e	mb	5.6
IBBN	50.38		P	10:20:28.305	-0.1	70.2		7.66		TAS		50.6	0.81	m_e	mb	5.5
KAST	50.37		P	10:20:28.198	-0.2	70.2		7.66		TAS		85.9	1.83	m_e	mb	5.4
MOX	48.65		P	10:20:15.285	-0.3	70.2		7.66		TAS		47.6	1.16	m_e	mb	5.4
MOX	48.65		L	10:44:51.907						T__		2684.7	18.30	a_e	Ms	5.3

NEUB	48.38	P	10:20:12.985	0.1	70.2	7.66	TAS	60.3	0.84	m_e	mb	5.8
NRDL	48.96	P	10:20:17.854	-0.0	70.2	7.66	TAS	104.9	1.04	m_e	mb	5.8
PLN	48.37	P	10:20:13.144	-0.1	70.2	7.66	TAS	37.5	1.16	m_e	mb	5.4
RETH	49.31	P	10:20:20.262	-0.7	70.2	7.66	TAS	65.6	1.38	m_e	mb	5.5
ROTZ	48.57	P	10:20:14.995	0.2	70.2	7.66	TAS	21.1	1.58	a_e	mb	4.9
RUE	46.81	P	10:20:00.616	-0.8	70.2	7.66	TAS	48.6	0.77	m_e	mb	5.7
STU	50.77	P	10:20:31.575	0.2	70.2	7.66	TAS	134.4	1.10	m_e	mb	5.8
TANN	48.21	P	10:20:12.037	-0.2	70.2	7.66	TAS	42.5	1.11	m_e	mb	5.5
TNS	50.70	P	10:20:31.001	0.5	70.2	7.66	TAS	108.2	1.73	m_e	mb	5.5
TNS	50.70	L	10:46:03.219				T__	1675.0	19.70	a_e	Ms	5.1
UBR	50.61	P	10:20:30.593		70.2	7.66	TAS	69.5	0.81	m_e	mb	5.6
WERD	48.29	P	10:20:12.456	-0.0	70.2	7.66	TAS	32.0	1.06	m_e	mb	5.4
WERN	48.30	P	10:20:12.805	-0.2	70.2	7.66	TAS	36.4	1.10	m_e	mb	5.4
WET	48.36	P	10:20:13.441	-0.4	70.2	7.66	TAS	152.5	1.95	m_e	mb	5.8
WET	48.36	L	10:41:34.244				T__	3334.8	18.60	a_e	Ms	5.3
WLF	52.28	P	10:20:43.086	0.4	70.2	7.66	TAS	124.4	1.72	m_e	mb	5.6

Event 70916007 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/16	14:18:59.62			16.1970	-94.6500				33.0			18		84.62	89.53	m i ke	BGR
70916013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70916013
MBB	5.7		BGR	70916013
Ms	5.2		BGR	70916013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	86.42		P	14:31:38.511		292.4		4.79		TAS		222.1	2.90	m_e	mb	5.8
BFO	86.42		L	15:09:09.646						T__		939.2	20.10	a_e	Ms	5.2
BRG	88.83		P	14:31:50.035	-0.1	292.4		4.79		TAS		9.7	0.94	m_e	mb	5.0
BSEG	85.59		P	14:31:34.453	0.2	292.4		4.79		TAS		31.6	1.14	m_e	mb	5.3
BSEG	85.59		L	15:11:53.901						T__		605.6	20.60	a_e	Ms	5.0
BUG	84.72		P	14:31:30.088	0.2	292.4		4.79		TAS		25.7	1.15	m_e	mb	5.3
CLL	88.11		L	15:11:15.311						T__		647.0	20.70	a_e	Ms	5.0
FUR	88.31		L	15:14:57.916						T__		986.5	18.10	a_e	Ms	5.3
GEC2	89.53		P	14:31:53.337		292.4		4.79		TAS		166.7	3.08	m_e	mb	5.7
GEC2	89.53		L	15:10:58.509						T__		937.3	20.00	a_e	Ms	5.2
GRA1	87.70		P	14:31:44.103		292.4		4.79		TAS				m_e		
GRA1	87.70		L	15:13:13.321						T__		1021.2	19.20	a_e	Ms	5.3
GUNZ	88.10		P	14:31:46.825		292.4		4.79		TAS		8.2	0.98	m_e	mb	5.0
IBBN	84.72		P	14:31:30.293	-0.1	292.4		4.79		TAS		697.4	2.90	m_e	mb	6.4
KAST	85.48		P	14:31:34.031	0.1	292.4		4.79		TAS		20.3	1.10	m_e	mb	5.3
MOX	87.57		P	14:31:43.947		292.4		4.79		TAS		7.5	1.03	m_e	MBB	5.7
MOX	87.57		L	15:12:35.724						T__		841.0	18.60	a_e	Ms	5.2

NRDL	86.00	P	14:31:36.761	-0.1	292.4		4.79	TAS	17.3	0.98	m_e	mb	5.1
PLN	87.95	P	14:31:46.078		292.4		4.79	TAS	4.5	0.89	m_e	mb	4.8
RETH	85.49	P	14:31:34.340	-0.4	292.4		4.79	TAS	283.6	2.48	m_e	mb	6.1
ROTZ	88.26	P	14:31:47.413		292.4		4.79	TAS	1.2	0.93	m_e	mb	4.2
TANN	88.16	P	14:31:46.748		292.4		4.79	TAS	6.9	0.98	m_e	mb	4.9
TNS	85.84	P	14:31:36.040		292.4		4.79	TAS	33.0	0.96	m_e	mb	5.4
TNS	85.84	L	15:08:26.264					T__	798.1	21.50	a_e	Ms	5.1
WERN	88.16	P	14:31:46.912		292.4		4.79	TAS	7.0	0.95	m_e	mb	5.0
WET	88.91	P	14:31:50.537		292.4		4.79	TAS	11.1	1.03	m_e	mb	5.0
WET	88.91	L	15:10:30.481					T__	1017.5	20.40	a_e	Ms	5.2
WLF	84.62	P	14:31:30.110		292.4		4.79	TAS	784.2	2.83	m_e	mb	6.4

Event 70916008 Near coast of Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/16	19:35:35.36			15.4400	-94.3230				33.0					85.29	89.91	m i ke	BGR
70916014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70916014
Ms	4.4		BGR	70916014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.29		P	19:48:06.161		282.8		5.36		TAS		29.6	1.25	m_e	mb	5.4
BFO	86.79		P	19:48:14.718		282.8		5.36		TAS		7.3	1.01	m_e	mb	4.8
BFO	86.79		L	20:26:16.433						T__		161.6	21.20	a_e	Ms	4.4
BSEG	86.03		P	19:48:12.040		282.8		5.36		TAS		27.9	1.07	m_e	mb	5.3
BSEG	86.03		L	20:24:26.810						T__		139.2	21.70	a_e	Ms	4.3
CLL	88.53		L	20:33:17.155						T__		155.7	18.10	a_e	Ms	4.5
CLZ	86.81		P	19:48:16.398		282.8		5.36		TAS		9.6	1.12	m_e	mb	4.8
FUR	88.69		L	20:24:25.960						T__		146.7	21.40	a_e	Ms	4.4
GEC2	89.91		L	20:25:38.957						T__		213.2	21.90	a_e	Ms	4.5
GRA1	88.09		P	19:48:22.226		282.8		5.36		TAS		51.2	2.14	m_e	mb	5.5
GRA1	88.09		L	20:25:29.007						T__		152.8	19.80	a_e	Ms	4.4
KAST	85.88		P	19:48:10.867		282.8		5.36		TAS		23.0	1.23	m_e	mb	5.2
MOX	87.97		L	20:27:58.276						T__		144.3	20.70	a_e	Ms	4.4
RETH	85.91		P	19:48:11.693		282.8		5.36		TAS		26.6	1.13	m_e	mb	5.3
TNS	86.23		P	19:48:12.917		282.8		5.36		TAS		19.6	0.87	m_e	mb	5.2
TNS	86.23		L	20:22:13.769						T__		156.6	21.60	a_e	Ms	4.4
WET	89.30		L	20:25:31.464						T__		210.4	21.30	a_e	Ms	4.5

Event 70916009 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2017/09/16 21:00:58.52 53.1500 159.2900 33.0 32 69.02 76.18 m i ke BGR  
 70916015

Magnitude Err Nsta Author OrigID  
 mb 5.7 BGR 70916015  
 MBB 5.9 BGR 70916015  
 Ms 4.7 BGR 70916015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	71.85		P	21:12:15.943	0.3	19.3		5.87		TAS		59.7	1.26	a_e	mb	5.6
BFO	75.93		P	21:12:39.728		19.3		5.87		TAS		40.1	0.98	m_e	mb	5.5
BFO	75.93		L	21:51:28.387						T__		271.3	18.70	a_e	Ms	4.6
BRG	72.32		P	21:12:19.038	-0.0	19.3		5.87		TAS		916.7	3.51	m_e	mb	6.3
BSEG	70.21		L	21:47:33.093						T__		538.8	19.90	a_e	Ms	4.8
BUG	73.16		P	21:12:23.715	0.2	19.3		5.87		TAS		60.9	1.01	m_e	mb	5.7
CLL	72.13		P	21:12:17.203	-0.2	19.3		5.87		TAS		84.7	0.97	m_e	MBB	6.0
CLL	72.13		L	21:50:11.622						T__		212.2	18.00	a_e	Ms	4.5
CLZ	72.18		P	21:12:18.530	-0.0	19.3		5.87		TAS		174.1	1.22	m_e	mb	6.1
FBE	72.41		P	21:12:19.383	-0.0	19.3		5.87		TAS		90.6	1.21	m_e	mb	5.8
FLT1	71.54		P	21:12:13.776	0.4	19.3		5.87		TAS		59.3	0.93	m_e	mb	5.7
FUR	75.47		P	21:12:37.474		19.3		5.87		TAS		77.2	1.11	m_e	mb	5.6
FUR	75.47		L	21:51:01.885						T__		322.9	19.30	a_e	Ms	4.6
GEC2	74.28		P	21:12:30.384	0.0	19.3		5.87		TAS		47.0	1.11	m_e	mb	5.4
GEC2	74.28		L	21:48:59.986						T__		633.0	21.60	a_e	Ms	4.9
GOR1	70.90		P	21:12:10.831	-0.2	19.3		5.87		TAS		124.0	1.27	m_e	mb	5.9
GRA1	74.04		P	21:12:29.397	-0.2	19.3		5.87		TAS		97.7	0.95	m_e	mb	5.8
GRA1	74.04		L	21:50:01.342						T__		300.1	18.40	a_e	Ms	4.6
GTTG	72.54		P	21:12:20.492	-0.6	19.3		5.87		TAS		48.5	1.00	m_e	mb	5.6
GUNZ	73.16		P	21:12:23.991	0.1	19.3		5.87		TAS		36.1	0.93	m_e	mb	5.5
IBBN	72.24		P	21:12:18.407	-0.2	19.3		5.87		TAS		87.4	1.02	m_e	mb	5.8
KAST	73.17		P	21:12:24.096	-0.1	19.3		5.87		TAS		50.4	1.01	m_e	mb	5.6
MOX	73.05		P	21:12:23.238	0.0	19.3		5.87		TAS		54.3	1.08	m_e	MBB	5.7
MOX	73.05		L	21:50:44.309						T__		395.8	18.70	a_e	Ms	4.7
NEUB	72.50		P	21:12:19.773	0.1	19.3		5.87		TAS		61.3	0.92	m_e	mb	5.7
NRDL	71.62		P	21:12:14.521	0.0	19.3		5.87		TAS		47.9	0.96	m_e	mb	5.6
PLN	73.08		P	21:12:23.407	0.1	19.3		5.87		TAS		39.1	0.99	m_e	mb	5.5
RETH	71.53		P	21:12:14.242	0.0	19.3		5.87		TAS		55.5	1.07	m_e	mb	5.6
RGN	69.02		P	21:11:59.613	0.0	19.3		5.87		TAS		119.9	0.83	m_e	mb	6.2
ROTZ	73.75		P	21:12:27.496	0.5	19.3		5.87		TAS		9.5	0.97	m_e	mb	4.8
RUE	70.86		P	21:12:10.422	-0.6	19.3		5.87		TAS		106.2	0.97	m_e	mb	5.9
STU	75.34		P	21:12:36.443	-0.4	19.3		5.87		TAS		200.4	1.31	m_e	mb	6.0
TANN	73.08		P	21:12:23.450	0.2	19.3		5.87		TAS		36.1	1.28	m_e	mb	5.3
TNS	74.10		P	21:12:29.602	0.4	19.3		5.87		TAS		45.3	0.89	m_e	mb	5.5
TNS	74.10		L	21:48:35.214						T__		458.1	21.50	a_e	Ms	4.7
UBR	76.18		P	21:12:41.243		19.3		5.87		TAS		65.3	1.09	m_e	mb	5.7
WERD	73.09		P	21:12:23.486	0.2	19.3		5.87		TAS		48.9	1.07	m_e	mb	5.6
WERN	73.22		P	21:12:24.465	0.1	19.3		5.87		TAS		44.2	0.81	m_e	mb	5.6
WET	74.18		P	21:12:30.375	-0.4	19.3		5.87		TAS		53.1	0.95	m_e	mb	5.5

WET	74.18	L	21:51:00.501						T__	540.8	18.30	a_e	Ms	4.9
WLF	75.07	P	21:12:35.091	-0.0	19.3		5.87		TAS	38.0	1.19	m_e	mb	5.3

Event 70916010 Southern Yukon Territory, Canada

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/16	23:38:15.38			60.9500	-136.3860				33.0			21		62.44	68.15	m i ke	BGR
OrigID 70916016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70916016
Ms	4.5		BGR	70916016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	67.41		P	23:49:05.226		343.5		6.41		TAS		29.1	1.27	m_e	mb	5.4
BFO	67.41		L	00:18:27.162						T__		312.5	21.00	a_e	Ms	4.5
BRG	66.01		P	23:48:56.811		343.5		6.41		TAS		25.1	1.17	m_e	mb	5.3
BSEG	62.44		P	23:48:33.665	-0.1	343.5		6.41		TAS		38.8	1.45	m_e	mb	5.4
BSEG	62.44		L	00:16:44.875						T__		349.9	20.00	a_e	Ms	4.5
CLL	65.43		P	23:48:52.632	0.2	343.5		6.41		TAS		319.9	3.07	m_e	mb	6.0
CLL	65.43		L	00:18:49.353						T__		406.3	19.40	a_e	Ms	4.6
CLZ	64.45		P	23:48:47.252	-0.2	343.5		6.41		TAS		49.8	1.21	m_e	mb	5.6
FLT1	64.14		P	23:48:44.147	-0.0	343.5		6.41		TAS		26.1	1.23	m_e	mb	5.3
FUR	68.15		L	00:21:39.921						T__		376.5	18.40	a_e	Ms	4.7
GEC2	67.93		P	23:49:08.886		343.5		6.41		TAS		19.1	1.18	m_e	mb	5.2
GEC2	67.93		L	00:18:12.700						T__		269.4	21.90	a_e	Ms	4.4
GRA1	66.67		P	23:49:01.131		343.5		6.41		TAS		22.6	1.06	m_e	mb	5.3
GRA1	66.67		L	00:16:53.767						T__		270.3	21.40	a_e	Ms	4.4
GTTG	64.66		P	23:48:48.484	-0.1	343.5		6.41		TAS		59.7	1.23	m_e	mb	5.7
IBBN	63.51		P	23:48:40.775	0.5	343.5		6.41		TAS		34.1	1.14	m_e	mb	5.5
KAST	64.69		P	23:48:48.225	-0.1	343.5		6.41		TAS		28.6	1.13	m_e	mb	5.4
MOX	65.83		P	23:48:55.343	0.1	343.5		6.41		TAS		28.4	1.12	m_e	mb	5.4
MOX	65.83		L	00:21:41.514						T__		222.8	19.50	a_e	Ms	4.4
NEUB	65.33		P	23:48:52.283	0.1	343.5		6.41		TAS		32.9	1.00	m_e	mb	5.5
NRDL	63.78		P	23:48:42.321	0.0	343.5		6.41		TAS		26.1	1.10	m_e	mb	5.4
PLN	66.08		P	23:48:57.047		343.5		6.41		TAS		28.1	1.19	m_e	mb	5.4
ROTZ	66.78		P	23:49:01.609		343.5		6.41		TAS		2.7	1.08	m_e	mb	4.4
TANN	66.20		P	23:48:57.944		343.5		6.41		TAS		15.1	1.13	m_e	mb	5.1
TNS	65.63		P	23:48:54.210	0.0	343.5		6.41		TAS		10.0	1.01	m_e	mb	5.0
TNS	65.63		L	00:17:32.472						T__		344.6	20.80	a_e	Ms	4.5
WERD	66.14		P	23:48:57.444		343.5		6.41		TAS		12.9	1.03	m_e	mb	5.1
WERN	66.31		P	23:48:58.721		343.5		6.41		TAS		24.8	1.24	m_e	mb	5.3
WET	67.50		P	23:49:06.336		343.5		6.41		TAS		25.5	1.24	m_e	mb	5.3
WET	67.50		L	00:18:09.908						T__		287.6	21.40	a_e	Ms	4.5

Event 70917005 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/17	14:26:09.40			-6.3300	148.9300				40.0			25		121.96	126.45	m i ke	NEIC
70917044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	70917011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	122.92		PKPdf	14:45:01.077	0.1	53.9		1.94		TAS					m_e
BFO	126.45		PKPdf	14:45:07.839		53.9		1.94		TAS					m_e
BFO	126.45		L	15:41:08.986						T__		1918.2	21.80	a_e	Ms 5.7
BRG	122.00		PKPdf	14:44:59.758	0.2	53.9		1.94		TAS					m_e
BSEG	121.96		PKPdf	14:44:59.794	0.0	53.9		1.94		TAS					m_e
BSEG	121.96		L	15:38:54.019						T__		2160.5	21.70	a_e	Ms 5.8
BUG	124.99		PKPdf	14:45:05.443	-0.3	53.9		1.94		TAS					m_e
CLL	122.24		PKPdf	14:44:59.701	-0.2	53.9		1.94		TAS					m_e
CLL	122.24		L	15:38:21.229						T__		3225.3	22.00	a_e	Ms 5.9
CLZ	123.24		PKPdf	14:45:02.098	0.3	53.9		1.94		TAS					m_e
FBE	122.28		PKPdf	14:45:00.313	-0.0	53.9		1.94		TAS					m_e
FLT1	122.52		PKPdf	14:45:00.268	-0.3	53.9		1.94		TAS					m_e
FUR	124.97		PKPdf	14:45:05.704		53.9		1.94		TAS					m_e
FUR	124.97		L	15:41:54.798						T__		1816.0	20.20	a_e	Ms 5.7
GEC2	123.26		PKPdf	14:45:01.858		53.9		1.94		TAS					m_e
GEC2	123.26		L	15:39:10.637						T__		2130.6	21.70	a_e	Ms 5.8
GOR1	122.08		PKPdf	14:45:00.035	-0.3	53.9		1.94		TAS					m_e
GRA1	124.11		L	15:39:27.336						T__		2054.7	21.90	a_e	Ms 5.7
GTTG	123.62		PKPdf	14:45:03.256	0.2	53.9		1.94		TAS					m_e
GUNZ	123.14		PKPdf	14:45:01.674	0.5	53.9		1.94		TAS					m_e
KAST	124.59		PKPdf	14:45:04.745	-0.3	53.9		1.94		TAS					m_e
MOX	123.34		PKPdf	14:45:01.773	-0.0	53.9		1.94		TAS					m_e
MOX	123.34		L	15:39:04.580						T__		2874.7	21.90	a_e	Ms 5.9
NRDL	122.96		PKPdf	14:45:01.546	0.1	53.9		1.94		TAS					m_e
PLN	123.16		PKPdf	14:45:01.504	-0.1	53.9		1.94		TAS					m_e
STU	125.73		PKPdf	14:45:07.097		53.9		1.94		TAS					m_e
TANN	123.04		PKPdf	14:45:01.320	-0.3	53.9		1.94		TAS					m_e
TNS	125.20		PKPdf	14:45:05.750		53.9		1.94		TAS					m_e
TNS	125.20		L	15:40:33.309						T__		4191.1	21.50	a_e	Ms 6.1
UBR	125.89		PKPdf	14:45:06.706		53.9		1.94		TAS					m_e
WERD	123.10		PKPdf	14:45:01.383	0.4	53.9		1.94		TAS					m_e
WERN	123.16		PKPdf	14:45:01.935	-0.3	53.9		1.94		TAS					m_e
WET	123.54		PKPdf	14:45:02.660		53.9		1.94		TAS					m_e
WET	123.54		L	15:40:51.109						T__		1817.6	20.90	a_e	Ms 5.7

Event 70917004 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/17	14:26:09.75			64.2650	-18.0220				10.0					20.71	21.33	m i ke	BGR
OrigID 70917010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	70917010
Ms	3.8		BGR	70917010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	21.33		P	14:30:56.197		324.2		9.59		TAS		10.8	1.11	m_e	mb 4.1
GRA1	21.33		L	14:39:38.094						T__		443.7	18.00	a_e	Ms 3.9
MOX	20.71		P	14:30:46.580		324.2		9.59		TAS		11.3	1.32	m_e	mb 4.0
MOX	20.71		L	14:39:38.510						T__		342.2	18.00	a_e	Ms 3.8

Event 70917006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/17	14:50:02.60			-16.6600	-173.6200				30.0				26	144.12	148.91	m i ke	EMSC
OrigID 70917038																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	70917012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.38		PKPbc	15:09:46.195		8.5		3.02		TAS				m_e	
BRG	145.33		PKPbc	15:09:37.056	0.3	8.5		3.02		TAS				m_e	
BUG	145.29		PKPbc	15:09:36.872	-0.1	8.5		3.02		TAS				m_e	
CLL	145.03		PKPbc	15:09:35.843	0.1	8.5		3.02		TAS				m_e	
CLZ	144.76		PKPbc	15:09:35.871	-0.1	8.5		3.02		TAS				m_e	
FBE	145.37		PKPbc	15:09:37.700	0.2	8.5		3.02		TAS				m_e	
FUR	148.33		PKPbc	15:09:46.296		8.5		3.02		TAS				m_e	
GEC2	147.35		PKPbc	15:09:43.358		8.5		3.02		TAS				m_e	
GRA1	146.82		PKPbc	15:09:42.123		8.5		3.02		TAS				m_e	
GRA1	146.82		L	16:25:11.633						T__		420.4	20.30	a_e	Ms 5.2
GTTG	145.08		PKPbc	15:09:36.569	-0.1	8.5		3.02		TAS				a_e	
GUNZ	146.04		PKPbc	15:09:39.714	-0.3	8.5		3.02		TAS				m_e	
IBBN	144.42		PKPbc	15:09:34.405	0.2	8.5		3.02		TAS				m_e	
KAST	145.50		PKPbc	15:09:37.600	0.3	8.5		3.02		TAS				m_e	
MOX	145.84		PKPbc	15:09:38.657	0.3	8.5		3.02		TAS				m_e	
MOX	145.84		L	16:22:39.362						T__		378.7	20.40	a_e	Ms 5.2
NEUB	145.28		PKPbc	15:09:37.334	0.4	8.5		3.02		TAS				m_e	
NRDL	144.12		PKPbc	15:09:33.560	-0.6	8.5		3.02		TAS				m_e	
PLN	145.94		PKPbc	15:09:39.016	0.1	8.5		3.02		TAS				m_e	

ROTZ	146.64	PKPbc	15:09:41.578	8.5	3.02	TAS	m_e	
STU	147.89	PKPbc	15:09:45.430	8.5	3.02	TAS	m_e	
TANN	145.97	PKPbc	15:09:39.311	0.4	8.5	3.02	TAS	m_e
TNS	146.48	PKPbc	15:09:41.000	-0.5	8.5	3.02	TAS	m_e
UBR	148.91	PKPbc	15:09:47.543	8.5	3.02	TAS	m_e	
WERD	145.96	PKPbc	15:09:39.078	-0.2	8.5	3.02	TAS	m_e
WERN	146.11	PKPbc	15:09:40.088	-0.0	8.5	3.02	TAS	m_e
WET	147.17	PKPbc	15:09:42.982	8.5	3.02	TAS	m_e	
WLF	147.08	PKPbc	15:09:43.168	8.5	3.02	TAS	m_e	

Event 70917007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/17	20:29:06.50			-19.0700	-174.9500				127.0			22		144.96	151.17	m i ke	EMSC
70917039																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.0		BGR	70917013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.69		PKPbc	20:48:43.535		11.4		2.68		TAS					m_e
BRG	147.49		PKPbc	20:48:36.019	0.4	11.4		2.68		TAS					m_e
BSEG	144.96		PKPbc	20:48:28.003	0.1	11.4		2.68		TAS					m_e
CLL	147.22		PKPbc	20:48:34.787	0.2	11.4		2.68		TAS					m_e
CLZ	147.03		PKPbc	20:48:34.512	0.0	11.4		2.68		TAS					m_e
FBE	147.54		PKPbc	20:48:36.320	0.1	11.4		2.68		TAS					m_e
FLT1	146.46		PKPbc	20:48:32.412	0.5	11.4		2.68		TAS					m_e
GEC2	149.49		PKPbc	20:48:40.756		11.4		2.68		TAS					m_e
GOR1	145.80		PKPbc	20:48:30.909	-0.2	11.4		2.68		TAS					m_e
GRA1	149.05		PKPbc	20:48:40.067		11.4		2.68		TAS					m_e
GRA1	149.05		L	21:54:48.733						T__		22.2	19.00	a_e Ms	4.0
GUNZ	148.24		PKPbc	20:48:37.874		11.4		2.68		TAS					m_e
KAST	147.83		PKPbc	20:48:36.571	0.2	11.4		2.68		TAS					m_e
KAST	147.83		L	21:55:17.697						T__		29.6	18.50	a_e Ms	4.1
MOX	148.07		PKPbc	20:48:37.102	0.3	11.4		2.68		TAS					m_e
NRDL	146.41		PKPbc	20:48:32.362	0.3	11.4		2.68		TAS					m_e
RETH	146.23		PKPbc	20:48:32.167	-0.3	11.4		2.68		TAS					m_e
ROTZ	148.84		PKPbc	20:48:39.326		11.4		2.68		TAS					m_e
TANN	148.17		PKPbc	20:48:37.522		11.4		2.68		TAS					m_e
TNS	148.80		PKPbc	20:48:39.107		11.4		2.68		TAS					m_e
UBR	151.17		PKPbc	20:48:44.828		11.4		2.68		TAS					m_e
WERD	148.16		PKPbc	20:48:37.489	-0.5	11.4		2.68		TAS					m_e
WERN	148.31		PKPbc	20:48:38.081		11.4		2.68		TAS					m_e
WLF	149.46		PKPbc	20:48:41.188		11.4		2.68		TAS					m_e

Event 70917008 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/17	22:16:24.78			-17.5000	177.6450				33.0			16		143.63	146.12	m i ke	BGR
OrigID 70917014																	

Magnitude	Err	Nsta	Author	OrigID
Ms 4.3			BGR	70917014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	143.95		PKPbc	22:35:53.593	0.1	23.6		3.27		TAS					m_e
BRG	144.25		PKPbc	22:35:53.090		23.6		3.27		TAS					m_e
CLL	144.12		PKPbc	22:35:52.582	0.4	23.6		3.27		TAS					m_e
CLZ	144.28		PKPbc	22:35:54.735	0.1	23.6		3.27		TAS					m_e
FBE	144.37		PKPbc	22:35:53.619		23.6		3.27		TAS					m_e
FLT1	143.63		PKPbc	22:35:52.022	0.2	23.6		3.27		TAS					m_e
GEC2	146.12		PKPbc	22:35:57.460		23.6		3.27		TAS					m_e
GRA1	146.07		PKPbc	22:36:00.637		23.6		3.27		TAS					m_e
GRA1	146.07		L	23:48:40.378						T__		41.4	19.50	a_e Ms	4.2
GTTG	144.65		PKPbc	22:35:55.874	-0.0	23.6		3.27		TAS					m_e
GUNZ	145.16		PKPbc	22:35:56.084		23.6		3.27		TAS					m_e
IBBN	144.36		PKPbc	22:35:55.991	0.2	23.6		3.27		TAS					m_e
MOX	145.09		L	23:33:46.264						T__		60.5	20.00	a_e Ms	4.4
NEUB	144.55		PKPbc	22:35:54.733	-0.4	23.6		3.27		TAS					m_e
PLN	145.09		PKPbc	22:35:55.963		23.6		3.27		TAS					m_e
TANN	145.08		PKPbc	22:35:55.639		23.6		3.27		TAS					m_e
WERD	145.09		PKPbc	22:35:55.852		23.6		3.27		TAS					m_e
WERN	145.22		PKPbc	22:35:56.491		23.6		3.27		TAS					m_e
WET	146.10		PKPbc	22:35:57.948		23.6		3.27		TAS					m_e

Event 70917009 Bismarck Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/17	23:12:20.20			-4.6500	149.5300				590.0			11		120.74	125.52	m i ke	EMSC
OrigID 70917041																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	120.89		PKPdf	23:30:06.583		52.2		2.26		TAS					m_e
BSEG	120.74		PKPdf	23:30:05.912	0.1	52.2		2.26		TAS					m_e
CLL	121.11		PKPdf	23:30:06.474		52.2		2.26		TAS					m_e
CLZ	122.07		PKPdf	23:30:08.580	0.1	52.2		2.26		TAS					m_e
FBE	121.17		PKPdf	23:30:07.060		52.2		2.26		TAS					m_e

GEC2	122.19	PKPdf	23:30:08.684	52.2	2.26	TAS	m_e
GUNZ	122.02	PKPdf	23:30:08.682	52.2	2.26	TAS	m_e
KAST	123.42	PKPdf	23:30:11.400	52.2	2.26	TAS	m_e
NEUB	121.80	PKPdf	23:30:08.135	52.2	2.26	TAS	m_e
PLN	122.03	PKPdf	23:30:08.275	52.2	2.26	TAS	m_e
TANN	121.92	PKPdf	23:30:08.208	52.2	2.26	TAS	m_e
UBR	124.82	PKPdf	23:30:13.735	52.2	2.26	TAS	m_e
WERD	121.98	PKPdf	23:30:08.006	52.2	2.26	TAS	m_e
WERN	122.04	PKPdf	23:30:08.524	52.2	2.26	TAS	m_e
WET	122.46	PKPdf	23:30:09.100	52.2	2.26	TAS	m_e
WLF	125.52	PKPdf	23:30:15.658	52.2	2.26	TAS	m_e

Event 70918005 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/18	05:28:11.24			-17.7760	-11.1090				33.0			28		67.88	73.75	m i ke	BGR
70918011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70918011
Ms	5.0		BGR	70918011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.15		P	05:39:34.719	-0.0	202.7		6.21		TAS		106.2	2.55	a_e mb	5.5
BFO	68.06		P	05:39:08.980		202.7		6.21		TAS		52.7	1.32	m_e mb	5.6
BFO	68.06		L	06:07:52.114						T__		1113.5	19.90	a_e Ms	5.1
BRG	71.81		P	05:39:33.119	-0.3	202.7		6.21		TAS		27.9	1.33	a_e mb	5.2
BSEG	73.75		P	05:39:43.992	0.8	202.7		6.21		TAS		73.2	1.32	m_e mb	5.5
BSEG	73.75		L	06:12:58.490						T__		1084.3	18.90	a_e Ms	5.2
CLL	71.96		P	05:39:33.569	0.5	202.7		6.21		TAS		41.1	1.47	a_e mb	5.3
CLL	71.96		L	06:10:15.410						T__		882.6	21.80	a_e Ms	5.0
CLZ	71.81		P	05:39:32.769	-0.0	202.7		6.21		TAS		82.3	1.70	a_e mb	5.6
FBE	71.70		P	05:39:31.910	0.0	202.7		6.21		TAS		30.0	1.24	m_e mb	5.3
FLT1	72.47		P	05:39:36.334	0.5	202.7		6.21		TAS		40.1	1.20	m_e mb	5.4
FUR	68.62		L	06:08:20.735						T__		1007.3	21.50	a_e Ms	5.0
GEC2	69.91		P	05:39:21.050		202.7		6.21		TAS		119.9	1.84	m_e mb	5.7
GEC2	69.91		L	06:09:37.227						T__		926.3	22.00	a_e Ms	5.0
GOR1	73.09		P	05:39:40.294	0.3	202.7		6.21		TAS		201.6	1.93	m_e mb	5.9
GRA1	70.02		P	05:39:21.641		202.7		6.21		TAS		179.3	1.88	m_e mb	5.9
GRA1	70.02		L	06:09:16.445						T__		795.2	20.40	a_e Ms	5.0
GTTG	71.44		P	05:39:30.919	0.2	202.7		6.21		TAS		119.4	1.54	a_e mb	5.8
GUNZ	70.92		P	05:39:27.279	0.1	202.7		6.21		TAS		29.8	1.03	m_e mb	5.4
IBBN	71.69		P	05:39:32.069	0.1	202.7		6.21		TAS		77.3	1.25	a_e mb	5.7
KAST	70.78		P	05:39:26.205	0.0	202.7		6.21		TAS		53.6	1.79	m_e mb	5.4
MOX	71.00		P	05:39:27.669	0.1	202.7		6.21		TAS		52.4	1.42	a_e mb	5.5
MOX	71.00		L	06:10:03.203						T__		1017.0	19.50	a_e Ms	5.1

NEUB	71.54	P	05:39:31.207	-0.4	202.7	6.21	TAS	53.5	1.03	m_e	mb	5.6
NRDL	72.36	P	05:39:36.413	-0.4	202.7	6.21	TAS	99.0	1.38	m_e	mb	5.8
PLN	70.99	P	05:39:27.163	-0.3	202.7	6.21	TAS	42.4	1.34	m_e	mb	5.4
RETH	72.43	P	05:39:37.219	0.3	202.7	6.21	TAS	228.5	1.91	a_e	mb	6.0
ROTZ	70.34	P	05:39:23.384	-0.4	202.7	6.21	TAS	30.0	1.63	m_e	mb	5.2
TANN	71.00	P	05:39:27.362	0.0	202.7	6.21	TAS	55.2	1.46	m_e	mb	5.5
TNS	69.87	P	05:39:20.271	0.2	202.7	6.21	TAS	94.9	1.75	m_e	mb	5.6
TNS	69.87	L	06:08:22.551				T__	298.8	21.40	a_e	Ms	4.5
UBR	67.88	P	05:39:08.419		202.7	6.21	TAS	81.6	1.18	m_e	mb	5.8
WERD	70.99	P	05:39:27.624	-0.2	202.7	6.21	TAS	37.7	1.27	m_e	mb	5.4
WERN	70.86	P	05:39:26.607	0.2	202.7	6.21	TAS	28.5	1.12	m_e	mb	5.3
WET	69.95	P	05:39:21.316		202.7	6.21	TAS	64.7	1.35	m_e	mb	5.6
WET	69.95	L	06:09:02.309				T__	828.3	21.80	a_e	Ms	4.9
WLF	68.86	P	05:39:14.199	0.1	202.7	6.21	TAS	163.6	1.74	m_e	mb	6.0

Event 70918006 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/18	14:19:26.26			15.3360	-93.5410				33.0					85.68	89.52	m i ke	BGR
OrigID 70918012																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	70918012
MBB	6.4		BGR	70918012
Ms	5.8		BGR	70918012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.37		L	15:09:59.381						T__		4151.9	19.20	a_e	Ms 5.8
BSEG	85.68		L	15:10:53.775						T__		2817.2	19.70	a_e	Ms 5.7
CLL	88.16		L	15:10:28.295						T__		3305.2	21.80	a_e	Ms 5.7
FUR	88.28		L	15:11:11.081						T__		3093.5	19.30	a_e	Ms 5.7
GEC2	89.52		L	15:12:06.036						T__		5723.2	19.70	a_e	Ms 6.0
GRA1	87.70		P	14:32:11.252		282.0		5.35		TAS		342.4	1.88	m_e	mb 6.4
GRA1	87.70		L	15:10:27.163						T__		4341.1	19.80	a_e	Ms 5.9
MOX	87.59		P	14:32:11.078		282.0		5.35		TAS		109.2	1.64	m_e	mb 5.9
MOX	87.59		L	15:09:46.213						T__		3178.1	20.70	a_e	Ms 5.7
TNS	85.83		L	15:08:18.239						T__		2824.6	20.10	a_e	Ms 5.7
WET	88.90		L	15:11:48.466						T__		5428.5	19.40	a_e	Ms 6.0

Event 70918007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/18	14:31:30.20			-17.3500	-173.9100				45.0			14		145.42	149.57	m i ke	NEIC
OrigID																	



70918046

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	70918013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.05		PKPbc	14:51:13.284		9.1		2.82		TAS				m_e	
BRG	145.97		PKPbc	14:51:04.873		9.1		2.82		TAS				m_e	
CLL	145.68		PKPbc	14:51:03.380	-0.0	9.1		2.82		TAS				m_e	
CLZ	145.42		PKPbc	14:51:03.081	0.3	9.1		2.82		TAS				m_e	
FBE	146.01		PKPbc	14:51:05.172		9.1		2.82		TAS				m_e	
GEC2	147.98		PKPbc	14:51:10.398		9.1		2.82		TAS				m_e	
GTTG	145.74		PKPbc	14:51:04.176	-0.1	9.1		2.82		TAS				m_e	
GUNZ	146.69		PKPbc	14:51:07.013		9.1		2.82		TAS				m_e	
KAST	146.18		PKPbc	14:51:05.321		9.1		2.82		TAS				m_e	
MOX	146.49		PKPbc	14:51:06.167		9.1		2.82		TAS				m_e	
MOX	146.49		L	15:59:35.775						T__		266.9	19.30	a_e Ms	5.0
ROTZ	147.29		PKPbc	14:51:08.484		9.1		2.82		TAS				m_e	
ROTZ	147.29		L	16:03:37.530						T__		109.9	18.30	a_e Ms	4.7
UBR	149.57		PKPbc	14:51:14.877		9.1		2.82		TAS				m_e	
WERD	146.61		PKPbc	14:51:06.665		9.1		2.82		TAS				m_e	
WLF	147.77		PKPbc	14:51:10.547		9.1		2.82		TAS				m_e	

Event 70918008 Near coast of Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/18	19:51:35.70			15.2630	-95.0230				33.0					86.56	90.48	m i ke	BGR
OrigID 70918014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70918014
Ms	4.2		BGR	70918014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	87.36		L	20:42:17.158						T__		115.9	18.80	a_e Ms	4.3
BSEG	86.56		P	20:04:14.126		284.1		5.11		TAS		14.4	0.95	m_e mb	5.1
BSEG	86.56		L	20:44:51.036						T__		61.7	18.00	a_e Ms	4.1
CLL	89.07		L	20:42:46.340						T__		87.2	18.00	a_e Ms	4.2
FUR	89.26		L	20:43:28.222						T__		68.5	19.10	a_e Ms	4.1
GEC2	90.48		L	20:44:23.603						T__		122.2	19.10	a_e Ms	4.4
GRA1	88.65		P	20:04:25.196		284.1		5.11		TAS		39.9	1.90	m_e mb	5.3
GRA1	88.65		L	20:42:54.212						T__		92.2	19.30	a_e Ms	4.2
GTTG	87.22		P	20:04:17.837		284.1		5.11		TAS		13.0	0.91	m_e mb	5.1
MOX	88.52		L	20:41:52.285						T__		72.6	21.30	a_e Ms	4.1
TNS	86.79		P	20:04:13.549		284.1		5.11		TAS		14.4	0.87	m_e mb	5.1
TNS	86.79		L	20:45:40.165						T__		88.5	18.10	a_e Ms	4.2

WET 89.86 L 20:43:27.697 T\_\_ 131.2 18.30 a\_e Ms 4.4

Event 70919005 Mexico-Guatemala border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/09/19 07:53:21.33 15.2460 -92.5150 33.0 30 84.02 88.96 m i ke BGR
70919011

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 70919011
MBB 5.7 BGR 70919011
Ms 5.3 BGR 70919011

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists various station data points including AHRW, ASSE, BFO, BRG, BSEG, BUG, CLL, CLZ, FBE, FLT1, FUR, GEC2, GRA1, GTTG, GUNZ, IBBN, KAST, MOX, NEUB, NRDL, PLN, ROTZ, STU, TANN, TNS.

UBR	87.13	P	08:06:03.487	290.2	4.84	TAS	27.8	1.18	m_e	MBB	5.6
WERD	87.53	P	08:06:05.039	0.5 290.2	4.84	TAS	33.6	1.57	m_e	mb	5.4
WERN	87.63	P	08:06:05.734	0.6 290.2	4.84	TAS	132.2	2.32	m_e	mb	5.9
WET	88.35	P	08:06:08.858	0.4 290.2	4.84	TAS	216.3	2.64	m_e	mb	6.0
WET	88.35	L	08:43:43.121			T__	1823.2	21.00	a_e	Ms	5.5
WLF	84.02	P	08:05:47.986	0.5 290.2	4.84	TAS	168.2	1.72	m_e	mb	6.0

Event 70919004 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/19	13:26:11.87			28.7410	55.0760				33.0					37.40	41.32	m i ke	BGR
	70919010																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70919010
Ms	3.8		BGR	70919010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	40.73		L	13:52:18.016						T__		135.4	20.70	a_e	Ms	3.8
BRG	37.89		P	13:33:26.779		112.7		9.08		TAS		11.4	0.97	m_e	mb	4.6
BSEG	41.02		L	13:53:00.849						T__		219.2	18.80	a_e	Ms	4.0
CLL	38.60		P	13:33:32.730		112.7		9.08		TAS		16.8	1.09	m_e	mb	4.6
CLL	38.60		L	13:52:50.072						T__		205.6	18.30	a_e	Ms	4.0
CLZ	40.32		P	13:33:47.995		112.7		9.08		TAS		26.6	1.02	m_e	mb	4.8
FLT1	39.97		P	13:33:44.769		112.7		9.08		TAS		39.2	1.04	m_e	mb	5.0
FUR	38.77		L	13:51:08.725						T__		122.6	21.30	a_e	Ms	3.7
GEC2	37.40		L	13:53:29.141						T__		112.5	18.50	a_e	Ms	3.7
GRA1	39.19		P	13:33:36.580		112.7		9.08		TAS		26.7	0.57	m_e	mb	5.1
GRA1	39.19		L	13:52:56.674						T__		156.6	19.00	a_e	Ms	3.9
KAST	41.32		P	13:33:55.164		112.7		9.08		TAS		18.2	1.23	m_e	mb	4.7
MOX	39.22		L	13:53:38.594						T__		103.8	18.90	a_e	Ms	3.7
NRDL	40.68		P	13:33:51.269		112.7		9.08		TAS		46.5	1.11	m_e	mb	5.1
ROTZ	38.60		P	13:33:32.510		112.7		9.08		TAS		2.8	1.00	m_e	mb	3.8
TNS	41.06		P	13:33:52.942		112.7		9.08		TAS		13.5	1.22	m_e	mb	4.5
TNS	41.06		L	13:53:03.026						T__		150.1	20.20	a_e	Ms	3.8
UBR	39.43		P	13:33:38.227		112.7		9.08		TAS		27.3	1.04	m_e	mb	4.8
WET	38.00		P	13:33:26.901		112.7		9.08		TAS		6.5	0.91	m_e	mb	4.4
WET	38.00		L	13:52:11.979						T__		102.9	19.70	a_e	Ms	3.6

Event 70919001 Central Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/09/19	18:14:34.51			18.0290	-98.7260				33.0					31	85.58	90.51	m i ke	BGR

70919007

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	70919007
MBB	7.0		BGR	70919007
Ms	7.0		BGR	70919007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	87.28		P	18:27:17.298	-0.4	296.6		4.72		TAS		568.6	1.45	m_e	mb	6.5
BFO	87.54		P	18:27:18.003	-0.1	296.6		4.72		TAS		297.8	1.13	m_e	MBB	7.1
BFO	87.54		L	19:07:44.135						T__		74640.1	22.00	a_e	Ms	7.1
BRG	89.68		P	18:27:28.639		296.6		4.72		TAS		356.8	1.13	a_e	mb	6.5
BSEG	86.30		P	18:27:12.648	0.1	296.6		4.72		TAS		2511.7	1.75	m_e	MBB	7.4
BSEG	86.30		L	19:08:18.126						T__		42906.4	20.70	a_e	Ms	6.8
BUG	85.65		P	18:27:09.246	0.2	296.6		4.72		TAS		1193.1	1.35	m_e	mb	6.8
CLL	88.95		P	18:27:24.625	0.2	296.6		4.72		TAS		247.8	1.09	m_e	mb	6.4
CLL	88.95		L	19:12:29.226						T__		60856.2	19.60	a_e	Ms	7.0
CLZ	87.24		P	18:27:17.370	0.1	296.6		4.72		TAS		380.7	1.18	m_e	mb	6.4
FBE	89.33		P	18:27:26.839	-0.2	296.6		4.72		TAS		526.3	1.25	a_e	mb	6.6
FLT1	87.51		P	18:27:17.799	0.1	296.6		4.72		TAS		684.7	1.59	m_e	mb	6.7
FUR	89.39		P	18:27:27.364		296.6		4.72		TAS		323.9	1.06	m_e	mb	6.5
FUR	89.39		L	19:09:40.012						T__		57120.9	20.50	a_e	Ms	7.0
GEC2	90.51		P	18:27:32.200		296.6		4.72		TAS		289.2	1.21	m_e	MBB	6.7
GEC2	90.51		L	19:10:09.401						T__		44605.6	21.80	a_e	Ms	6.9
GOR1	87.25		P	18:27:16.897	-0.4	296.6		4.72		TAS		1488.0	2.06	m_e	mb	6.8
GRA1	88.68		P	18:27:24.009	-0.4	296.6		4.72		TAS		613.7	1.12	m_e	mb	6.7
GRA1	88.68		L	19:09:50.150						T__		52501.3	20.70	a_e	Ms	6.9
GTTG	87.14		P	18:27:16.557	-0.1	296.6		4.72		TAS		379.7	1.38	m_e	mb	6.3
GUNZ	89.01		P	18:27:25.413	0.0	296.6		4.72		TAS		324.6	1.18	m_e	mb	6.4
IBBN	85.58		P	18:27:09.139	-0.2	296.6		4.72		TAS		1460.3	1.20	a_e	mb	7.0
KAST	86.41		P	18:27:12.880	0.0	296.6		4.72		TAS		1855.9	1.83	m_e	mb	6.9
MOX	88.47		P	18:27:22.689	-0.0	296.6		4.72		TAS		615.9	1.64	a_e	MBB	7.0
MOX	88.47		L	19:10:12.401						T__		55725.2	18.60	a_e	Ms	7.0
NEUB	88.31		P	18:27:21.941	-0.1	296.6		4.72		TAS		372.4	1.22	m_e	mb	6.6
NRDL	86.81		P	18:27:15.014	0.0	296.6		4.72		TAS		1221.6	1.73	m_e	mb	6.7
PLN	88.86		P	18:27:24.512	0.1	296.6		4.72		TAS		317.1	1.31	m_e	mb	6.4
RETH	86.30		P	18:27:12.819	-0.2	296.6		4.72		TAS		1221.3	1.44	m_e	mb	6.8
ROTZ	89.21		P	18:27:26.410	0.1	296.6		4.72		TAS		67.9	1.31	m_e	mb	5.7
STU	87.88		P	18:27:20.114	0.2	296.6		4.72		TAS		1160.6	0.94	m_e	mb	7.2
TANN	89.06		P	18:27:25.522	0.2	296.6		4.72		TAS		299.1	1.22	m_e	mb	6.4
TNS	86.83		P	18:27:15.090	0.4	296.6		4.72		TAS		578.8	1.05	m_e	MBB	7.1
TNS	86.83		L	19:07:56.239						T__		72780.6	21.70	a_e	Ms	7.0
UBR	88.90		P	18:27:24.790	-0.0	296.6		4.72		TAS		428.6	1.13	m_e	mb	6.6
WERD	88.96		P	18:27:24.994	0.1	296.6		4.72		TAS		350.3	1.35	m_e	mb	6.4
WERN	89.07		P	18:27:25.843	0.2	296.6		4.72		TAS		430.3	1.22	m_e	mb	6.5
WET	89.89		P	18:27:29.603		296.6		4.72		TAS		425.2	1.25	m_e	MBB	6.7
WET	89.89		L	19:12:36.581						T__		51521.3	21.30	a_e	Ms	6.9
WLF	85.70		P	18:27:09.904	0.3	296.6		4.72		TAS		1378.3	1.15	m_e	mb	7.0

Event 70919002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/19	20:18:07.07			37.2870	142.4220				33.0			31		80.20	85.47	m i ke	BGR
OrigID 70919008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70919008
Ms	5.3		BGR	70919008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.51		P	20:30:19.381	-0.0	37.1		5.17		TAS		22.0	1.17	a_e mb	5.2
BFO	85.47		P	20:30:39.781		37.1		5.17		TAS		71.2	1.07	m_e mb	5.8
BRG	81.24		P	20:30:18.405	-0.1	37.1		5.17		TAS		36.9	1.10	m_e mb	5.3
BSEG	80.20		P	20:30:12.852	0.1	37.1		5.17		TAS		70.0	1.14	m_e mb	5.5
BUG	83.31		P	20:30:28.805	-0.3	37.1		5.17		TAS		22.7	0.95	m_e mb	5.4
CLL	81.28		P	20:30:17.927	0.2	37.1		5.17		TAS		65.1	1.06	m_e mb	5.6
CLZ	81.86		P	20:30:21.560	-0.5	37.1		5.17		TAS		82.3	1.18	m_e mb	5.7
FBE	81.44		P	20:30:19.415	-0.1	37.1		5.17		TAS		70.6	1.07	m_e mb	5.6
FLT1	81.14		P	20:30:17.197	0.1	37.1		5.17		TAS		60.3	1.05	m_e mb	5.6
FUR	84.45		P	20:30:35.029		37.1		5.17		TAS		71.2	0.99	m_e mb	5.9
GEC2	82.92		P	20:30:26.763	-0.5	37.1		5.17		TAS		21.1	0.95	m_e mb	5.3
GOR1	80.59		P	20:30:14.968	-0.1	37.1		5.17		TAS		77.5	1.25	m_e mb	5.6
GRA1	83.25		P	20:30:29.070	-0.3	37.1		5.17		TAS		85.2	1.16	m_e mb	5.9
GRA1	83.25		L	21:11:55.454						T__		1483.3	21.40	a_e Ms	5.3
GTTG	82.24		P	20:30:23.412	0.0	37.1		5.17		TAS				m_e	
GUNZ	82.28		P	20:30:23.674	0.2	37.1		5.17		TAS		34.9	1.15	m_e mb	5.4
IBBN	82.42		P	20:30:24.279	0.2	37.1		5.17		TAS		71.7	1.08	m_e mb	5.7
KAST	83.09		P	20:30:27.738	0.2	37.1		5.17		TAS		20.6	1.07	m_e mb	5.3
MOX	82.34		P	20:30:23.805	-0.1	37.1		5.17		TAS		43.9	1.36	m_e mb	5.4
MOX	82.34		L	21:02:34.010						T__		1400.6	21.60	a_e Ms	5.3
NEUB	81.84		P	20:30:21.058	-0.1	37.1		5.17		TAS		76.7	1.06	m_e mb	5.8
NRDL	81.43		P	20:30:19.025	-0.5	37.1		5.17		TAS		23.8	1.04	m_e mb	5.2
PLN	82.25		P	20:30:23.373	0.2	37.1		5.17		TAS		26.9	1.24	m_e mb	5.2
RETH	81.50		P	20:30:19.550	0.1	37.1		5.17		TAS		59.8	1.18	m_e mb	5.6
ROTZ	82.80		P	20:30:26.613	-0.1	37.1		5.17		TAS		16.8	1.34	m_e mb	5.1
STU	84.78		P	20:30:36.514		37.1		5.17		TAS		149.8	1.06	m_e mb	6.1
TANN	82.19		P	20:30:23.024	0.3	37.1		5.17		TAS		20.8	1.23	m_e mb	5.1
TNS	83.88		P	20:30:31.927	0.2	37.1		5.17		TAS		18.0	0.96	m_e mb	5.3
UBR	85.31		P	20:30:38.731		37.1		5.17		TAS		26.4	1.23	a_e mb	5.3
WERD	82.23		P	20:30:23.209	0.1	37.1		5.17		TAS		30.7	1.23	m_e mb	5.3
WERN	82.32		P	20:30:24.047	0.5	37.1		5.17		TAS		35.8	1.10	m_e mb	5.4
WET	83.02		P	20:30:27.643	0.2	37.1		5.17		TAS		38.6	1.18	m_e mb	5.5
WLF	85.18		P	20:30:38.705	0.0	37.1		5.17		TAS		85.1	1.59	m_e mb	5.7

Event 70919003 Near coast of Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/19	21:13:18.78			15.3000	-95.6730				33.0					86.89	90.84	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70919009
Ms	4.9		BGR	70919009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	87.74		P	21:26:01.217		281.9		5.43		TAS				m_e	
BSEG	86.89		P	21:25:58.999		281.9		5.43		TAS		21.9	1.06	m_e	mb 5.2
CLZ	87.70		P	21:26:02.756		281.9		5.43		TAS		17.7	1.40	m_e	mb 5.2
GEC2	90.84		P	21:26:14.546		281.9		5.43		TAS		4.7	1.18	m_e	mb 4.7
GRA1	89.01		P	21:26:09.965		281.9		5.43		TAS		5.3	0.92	m_e	mb 4.8
GRA1	89.01		L	22:12:26.387						T__		523.9	20.90	a_e	Ms 4.9
GTTG	87.57		P	21:26:01.807		281.9		5.43		TAS		12.4	0.75	m_e	mb 5.3
MOX	88.88		L	22:11:13.477						T__		453.2	21.90	a_e	Ms 4.9
TNS	87.15		P	21:25:59.033		281.9		5.43		TAS		21.2	0.88	m_e	mb 5.3
UBR	89.09		P	21:26:07.244		281.9		5.43		TAS		18.6	1.51	m_e	mb 5.1
WET	90.22		P	21:26:12.971		281.9		5.43		TAS		3.1	0.79	m_e	mb 4.6

Event 70920005 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/09/20	00:08:44.73			31.5990	53.6870				33.0					11	34.58	39.59	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70920011
Ms	4.0		BGR	70920011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	38.07		P	00:15:58.489		103.7		8.53		TAS		24.6	0.92	m_e	mb 4.9
BUG	39.21		P	00:16:08.716	-0.1	103.7		8.53		TAS		12.1	0.71	m_e	mb 4.6
CLL	35.70		P	00:15:39.505		103.7		8.53		TAS		112.5	1.90	m_e	mb 5.4
CLL	35.70		L	00:33:52.831						T__		247.3	19.40	a_e	Ms 4.0
CLZ	37.43		P	00:15:53.856	0.0	103.7		8.53		TAS		64.0	1.60	m_e	mb 5.1
FLT1	37.05		P	00:15:50.138	-0.1	103.7		8.53		TAS		24.6	0.94	m_e	mb 4.9
GEC2	34.58		P	00:15:29.889		103.7		8.53		TAS		28.4	0.83	m_e	mb 5.2
GRA1	36.36		L	00:35:21.028						T__		316.2	20.20	a_e	Ms 4.1
IBBN	39.11		P	00:16:07.590		103.7		8.53		TAS		54.5	1.57	m_e	mb 4.9
KAST	38.45		P	00:16:02.696		103.7		8.53		TAS		8.9	0.68	m_e	mb 4.6

MOX	36.36	P	00:15:44.542	103.7	8.53	TAS	4.2	0.95	m_e	mb	4.2
MOX	36.36	L	00:33:12.831			T__	183.7	21.20	a_e	Ms	3.8
NEUB	36.41	P	00:15:45.261	-0.1 103.7	8.53	TAS	13.2	0.70	m_e	mb	4.9
RETH	38.27	P	00:16:00.437	103.7	8.53	TAS	84.2	2.12	m_e	mb	5.1
ROTZ	35.76	P	00:15:39.505	103.7	8.53	TAS	12.1	2.01	m_e	mb	4.4
TANN	35.77	P	00:15:39.333	103.7	8.53	TAS	4.5	0.98	m_e	mb	4.3
TNS	38.23	P	00:16:00.859	103.7	8.53	TAS	27.2	1.30	m_e	mb	4.8
UBR	36.67	P	00:15:47.119	103.7	8.53	TAS	59.6	1.47	m_e	mb	5.1
WET	35.18	P	00:15:34.654	103.7	8.53	TAS	7.0	0.98	m_e	mb	4.6
WLF	39.59	P	00:16:11.466	103.7	8.53	TAS	6.3	0.87	m_e	mb	4.3

Event 70920006 Auckland Islands, New Zealand, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	01:43:30.00			-50.3700	162.5500				10.0					161.45	161.61	m i ke	NEIC
70920045																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	70920012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	161.61		L	03:25:42.908						T__		1408.0	21.30	a_e	Ms	5.8
GRA4	161.45		PKPab	02:04:13.082		103.1		4.61		TAS				m_e		
MOX	161.56		L	03:21:26.651						T__		1560.5	21.80	a_e	Ms	5.8

Event 70920007 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	05:15:55.41			43.2890	146.7360				33.0					76.22	81.70	m i ke	BGR
70920013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70920013
Ms	4.4		BGR	70920013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	81.70		L	06:19:26.200						T__		140.0	18.10	a_e	Ms	4.4
BSEG	76.22		L	06:05:20.985						T__		233.1	18.60	a_e	Ms	4.5
CLL	77.58		P	05:27:51.087		26.7		4.67		TAS		7.2	0.79	m_e	mb	4.9
CLL	77.58		L	06:06:31.847						T__		163.2	18.10	a_e	Ms	4.4
CLZ	78.00		P	05:27:53.914		26.7		4.67		TAS		42.3	1.78	m_e	mb	5.3
FUR	80.85		L	06:08:42.215						T__		201.8	18.30	a_e	Ms	4.5
GEC2	79.41		P	05:28:02.855		26.7		4.67		TAS		6.3	1.12	m_e	mb	4.5

./2017/bull1709.txt

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GEC2	79.41	L	06:07:47.533						T__	288.0	18.80	a_e	Ms	4.6
GRA1	79.56	P	05:27:57.678	26.7		4.67			TAS	8.9	0.71	m_e	mb	4.8
GRA1	79.56	L	06:02:21.484						T__	124.9	21.70	a_e	Ms	4.2
MOX	78.61	L	06:01:54.021						T__	149.3	21.90	a_e	Ms	4.3
TNS	80.01	L	06:06:23.477						T__	194.0	20.40	a_e	Ms	4.4
WET	79.45	P	05:28:02.851	26.7		4.67			TAS	6.5	0.74	m_e	mb	4.7
WET	79.45	L	06:09:54.437						T__	174.7	19.70	a_e	Ms	4.4

Event 70920008 Southern Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	05:26:01.21			-15.5350	-71.6330				33.0					95.58	98.51	m i ke	BGR
	70920014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	70920014
Ms	4.4		BGR	70920014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	97.75	P		05:39:33.801		249.4		5.30		TAS		14.0	0.76	m_e	mb	5.8
CLZ	97.21	P		05:39:31.230		249.4		5.30		TAS		9.6	0.93	m_e	mb	5.4
GEC2	98.51	P		05:39:36.791		249.4		5.30		TAS		5.5	0.96	m_e	mb	5.3
GRA1	97.15	P		05:39:31.030		249.4		5.30		TAS		7.0	0.75	m_e	mb	5.4
GRA1	97.15	L		06:21:04.844						T__		113.6	20.40	a_e	Ms	4.3
MOX	97.65	L		06:20:39.956						T__		146.3	19.50	a_e	Ms	4.5
RETH	96.87	P		05:39:29.970		249.4		5.30		TAS		22.2	1.38	m_e	mb	5.6
ROTZ	97.79	P		05:39:33.851		249.4		5.30		TAS		1.4	0.81	m_e	mb	4.8
TANN	98.11	P		05:39:35.427		249.4		5.30		TAS		15.6	1.43	m_e	mb	5.5
TNS	95.58	P		05:39:22.699		249.4		5.30		TAS		59.4	1.97	m_e	mb	5.8
UBR	95.89	P		05:39:24.407		249.4		5.30		TAS		23.8	1.21	m_e	mb	5.6
WERD	98.02	P		05:39:34.828		249.4		5.30		TAS		4.2	1.00	m_e	mb	5.1

Event 70920009 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/09/20	14:30:00.02			23.5390	121.4900				33.0					14	82.74	87.33	m i ke	BGR
	70920015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70920015
Ms	5.1		BGR	70920015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	86.85	L	15:24:41.251							T__	643.9	21.50	a_e	Ms	5.0
BSEG	82.86	L	15:20:26.752							T__	1034.4	20.50	a_e	Ms	5.2
CLL	82.74	P	14:42:19.049	59.8	5.06					TAS	22.1	0.61	m_e	mb	5.6
CLL	82.74	L	15:22:50.143							T__	927.9	20.10	a_e	Ms	5.1
CLZ	83.90	P	14:42:25.834	59.8	5.06					TAS	62.1	1.01	m_e	mb	5.8
FLT1	83.19	P	14:42:21.359	-0.2 59.8	5.06					TAS	57.1	1.15	m_e	mb	5.7
FUR	85.26	L	15:23:19.145							T__	581.5	21.10	a_e	Ms	4.9
GEC2	83.52	P	14:42:23.898	0.3 59.8	5.06					TAS	21.8	0.68	m_e	mb	5.5
GEC2	83.52	L	15:23:11.921							T__	864.6	18.10	a_e	Ms	5.2
GOR1	82.82	P	14:42:20.358	0.0 59.8	5.06					TAS	139.1	1.27	m_e		
GRA1	84.52	P	14:42:29.037	59.8	5.06					TAS	206.9	1.52	m_e	mb	6.1
GRA1	84.52	L	15:23:22.950							T__	671.6	19.20	a_e	Ms	5.0
GUNZ	83.57	P	14:42:23.800	-0.2 59.8	5.06					TAS	69.7	1.15	m_e		
KAST	85.27	P	14:42:32.534	59.8	5.06					TAS	26.9	1.04	m_e	mb	5.4
MOX	83.82	P	14:42:25.037	59.8	5.06					TAS	29.1	1.00	m_e	mb	5.5
MOX	83.82	L	15:23:32.031							T__	962.4	19.90	a_e	Ms	5.2
NRDL	83.71	P	14:42:25.048	59.8	5.06					TAS	33.8	1.05	m_e	mb	5.5
ROTZ	83.93	P	14:42:25.939	59.8	5.06					TAS	49.5	1.54	m_e	mb	5.5
TANN	83.47	P	14:42:23.174	59.8	5.06					TAS	29.9	1.12	m_e	mb	5.4
TNS	85.78	P	14:42:34.926	59.8	5.06					TAS	18.8	1.04	m_e	mb	5.2
TNS	85.78	L	15:21:53.000							T__	615.7	21.00	a_e	Ms	5.0
WERD	83.54	P	14:42:23.488	-0.0 59.8	5.06					TAS	67.7	1.34	m_e		
WERN	83.58	P	14:42:24.028	0.0 59.8	5.06					TAS	58.6	1.10	m_e		
WET	83.85	L	15:23:22.030							T__	973.0	18.40	a_e	Ms	5.2
WLF	87.33	P	14:42:42.972	59.8	5.06					TAS	98.2	1.15	m_e	mb	5.8

Event 70920010 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	16:37:24.90			38.6750	144.6130				33.0			31		79.71	85.07	m i ke	BGR
70920016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70920016
MBB	6.5		BGR	70920016
Ms	5.9		BGR	70920016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.07		P	16:49:35.001	-0.2	34.9		5.20		TAS		71.8	1.12	a_e	mb 5.6
BFO	85.07		P	16:49:55.651		34.9		5.20		TAS		215.2	1.06	a_e	mb 6.3
BFO	85.07		L	17:33:03.670						T__		4763.4	18.90	a_e	Ms 5.9
BRG	80.89		P	16:49:34.351	-0.1	34.9		5.20		TAS		66.5	0.82	a_e	mb 5.7
BSEG	79.71		P	16:49:27.951	0.1	34.9		5.20		TAS		106.9	0.87	a_e	mb 5.8
BUG	82.82		P	16:49:43.851	-0.2	34.9		5.20		TAS		71.9	0.97	a_e	mb 5.9
CLL	80.90		P	16:49:33.751	0.1	34.9		5.20		TAS		102.6	0.83	a_e	mb 5.9
CLL	80.90		L	17:27:09.349						T__		6444.9	19.00	a_e	Ms 6.0

CLZ	81.42	P	16:49:37.151	-0.5	34.9	5.20	TAS	165.0	1.00	m_e	mb	6.0
FBE	81.08	P	16:49:35.201	0.0	34.9	5.20	TAS	109.5	0.83	a_e	mb	5.9
FLT1	80.71	P	16:49:32.601	0.1	34.9	5.20	TAS	148.4	0.83	a_e	mb	6.1
FUR	84.11	P	16:49:51.051		34.9	5.20	TAS	113.5	0.78	a_e	mb	6.2
FUR	84.11	L	17:31:57.708				T__	7931.9	18.10	a_e	Ms	6.1
GEC2	82.61	P	16:49:42.951	-0.5	34.9	5.20	TAS	51.6	1.10	a_e	mb	5.7
GEC2	82.61	L	17:28:47.124				T__	7446.5	19.80	a_e	Ms	6.1
GOR1	80.14	P	16:49:30.501	-0.0	34.9	5.20	TAS	302.4	1.47	a_e	mb	6.0
GRA1	82.88	P	16:49:44.901	-0.2	34.9	5.20	TAS	127.9	0.93	a_e	MBB	6.7
GRA1	82.88	L	17:26:58.100				T__	4730.4	19.50	a_e	Ms	5.9
GTTG	81.80	P	16:49:38.951	0.1	34.9	5.20	TAS	95.5	0.97	a_e	mb	5.9
GUNZ	81.91	P	16:49:39.451	0.3	34.9	5.20	TAS	68.5	0.92	a_e	mb	5.8
IBBN	81.92	P	16:49:39.401	0.3	34.9	5.20	TAS	162.7	0.92	a_e	mb	6.1
KAST	82.63	P	16:49:43.201	0.2	34.9	5.20	TAS	48.5	0.94	a_e	mb	5.7
MOX	81.95	P	16:49:39.651	-0.0	34.9	5.20	TAS	75.9	0.96	a_e	MBB	6.4
MOX	81.95	L	17:31:28.892				T__	3977.0	20.80	a_e	Ms	5.8
NEUB	81.44	P	16:49:36.851	-0.0	34.9	5.20	TAS	177.0	0.98	a_e	mb	6.1
NRDL	80.97	P	16:49:34.501	-0.6	34.9	5.20	TAS	73.5	0.96	a_e	mb	5.7
PLN	81.88	P	16:49:39.301	0.1	34.9	5.20	TAS	66.5	1.05	a_e	mb	5.7
RETH	81.02	P	16:49:34.851	-0.0	34.9	5.20	TAS	139.2	1.00	a_e	mb	5.9
ROTZ	82.45	P	16:49:42.601	-0.2	34.9	5.20	TAS	34.1	1.26	a_e	mb	5.3
STU	84.39	P	16:49:52.251		34.9	5.20	TAS	439.6	1.07	a_e	mb	6.6
TANN	81.82	P	16:49:39.001	0.3	34.9	5.20	TAS	52.3	0.99	a_e	mb	5.6
TNS	83.44	P	16:49:47.451	0.3	34.9	5.20	TAS	117.0	1.16	a_e	MBB	6.5
TNS	83.44	L	17:32:38.853				T__	4255.5	19.70	a_e	Ms	5.8
UBR	84.95	P	16:49:54.851		34.9	5.20	TAS	53.0	0.91	a_e	mb	5.8
WERD	81.85	P	16:49:39.101	0.1	34.9	5.20	TAS	63.2	1.02	a_e	mb	5.7
WERN	81.96	P	16:49:39.851	0.4	34.9	5.20	TAS	85.4	0.96	a_e	mb	5.8
WET	82.69	P	16:49:43.851	0.1	34.9	5.20	TAS	181.2	1.50	a_e	mb	6.1
WET	82.69	L	17:29:00.747				T__	6609.2	18.40	a_e	Ms	6.0
WLF	84.70	P	16:49:54.251	-0.1	34.9	5.20	TAS	114.5	1.08	a_e	mb	6.0

Event 70920011 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	20:09:50.20			-18.7800	169.0500				200.0			28		141.27	146.63	m i ke	EMSC
70920043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	70920017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	142.65		PKPbc	20:28:54.766	-0.3	37.9		3.17		TAS				a_e	
BFO	146.63		PKPbc	20:29:07.416		37.9		3.17		TAS				a_e	
BRG	142.38		PKPbc	20:28:54.116	0.1	37.9		3.17		TAS				a_e	
BSEG	141.27		PKPbc	20:28:50.853	-0.3	37.9		3.17		TAS				m_e	

BUG	144.37	PKPbc	20:29:00.166	-0.1	37.9	3.17	TAS	a_e											
CLL	142.43	PKPbc	20:28:53.716	-0.1	37.9	3.17	TAS	a_e											
CLZ	142.99	PKPbc	20:28:56.066	-0.3	37.9	3.17	TAS	a_e											
CLZ	142.99	PP	20:32:15.968				T__	m_e											
FBE	142.59	PKPbc	20:28:54.666	-0.0	37.9	3.17	TAS	a_e											
FUR	145.58	PKPbc	20:29:05.466		37.9	3.17	TAS	a_e											
GEC2	144.00	PKPbc	20:28:59.316		37.9	3.17	TAS	a_e											
GEC2	144.00	L	21:36:57.805				T__	a_e	Ms	1354.6	21.00								5.7
GOR1	141.72	PKPbc	20:28:53.452	-0.3	37.9	3.17	TAS	m_e											
GRA1	144.40	PKPbc	20:29:01.166		37.9	3.17	TAS	a_e											
GRA1	144.40	L	21:25:04.497				T__	a_e	Ms	924.0	21.20								5.5
GTTG	143.38	PKPbc	20:28:57.416	-0.2	37.9	3.17	TAS	a_e											
GUNZ	143.43	PKPbc	20:28:57.616	-0.4	37.9	3.17	TAS	a_e											
IBBN	143.47	PKPbc	20:28:57.366	-0.7	37.9	3.17	TAS	a_e											
KAST	144.20	PKPbc	20:29:00.066	-0.1	37.9	3.17	TAS	a_e											
MOX	143.49	PKPbc	20:28:57.666	0.4	37.9	3.17	TAS	a_e											
MOX	143.49	L	21:37:52.629				T__	a_e	Ms	1019.7	20.80								5.6
NEUB	143.00	PKPbc	20:28:55.866	-0.1	37.9	3.17	TAS	m_e											
PLN	143.40	PKPbc	20:28:57.466	0.4	37.9	3.17	TAS	m_e											
RETH	142.59	PKPbc	20:28:54.466	-0.1	37.9	3.17	TAS	a_e											
ROTZ	143.94	PKPbc	20:28:59.516	0.9	37.9	3.17	TAS	a_e											
STU	145.94	PKPbc	20:29:05.716		37.9	3.17	TAS	a_e											
TANN	143.34	PKPbc	20:28:57.266	0.1	37.9	3.17	TAS	a_e											
TANN	143.34	PP	20:32:17.335				T__	m_e											
TNS	145.01	PKPbc	20:29:03.016	-0.3	37.9	3.17	TAS	a_e											
UBR	146.44	PKPbc	20:29:06.916		37.9	3.17	TAS	a_e											
WERD	143.38	PKPbc	20:28:57.316	0.5	37.9	3.17	TAS	a_e											
WERN	143.47	PKPbc	20:28:57.866	0.2	37.9	3.17	TAS	a_e											
WET	144.14	PKPbc	20:29:00.116		37.9	3.17	TAS	a_e											
WLF	146.27	PKPbc	20:29:07.066	-0.3	37.9	3.17	TAS	a_e											

Event 70920012 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	22:13:35.80			-5.1200	147.9000				10.0					120.42	124.89	m i ke	EMSC
70920044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	70920018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	124.89		L	23:26:56.955						T__		1534.2	21.80	a_e	Ms	5.6
BRG	120.44		PKPdf	22:32:27.532		54.2		1.13		TAS				m_e		
BSEG	120.42		L	23:24:52.609						T__		2911.9	21.50	a_e	Ms	5.9
CLL	120.69		L	23:24:52.708						T__		3172.9	21.20	a_e	Ms	5.9
GEC2	121.69		L	23:25:42.642						T__		2521.7	21.40	a_e	Ms	5.8

GRA1	122.55	PKPdf	22:32:29.194	54.2	1.13	TAS										m_e	
GRA1	122.55	L	23:29:25.821			T__	2689.9	18.20								a_e Ms	5.9
GUNZ	121.58	PKPdf	22:32:29.007	54.2	1.13	TAS										m_e	
MOX	121.78	L	23:25:36.471			T__	2185.7	21.70								a_e Ms	5.8
TNS	123.65	L	23:27:35.867			T__	4839.1	20.50								a_e Ms	6.1
WET	121.97	L	23:28:18.990			T__	2118.3	19.80								a_e Ms	5.8

Event 70921009 Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/20	23:59:24.60			-6.1300	112.9600				599.0			17		100.42	102.86	m i ke	EMSC
	70921041																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	102.36		Pdiff	00:12:16.125						T__					m_e
BRG	100.42		Pdiff	00:12:08.158	0.4					T__					m_e
CLL	100.98		Pdiff	00:12:09.974	-0.1					T__					m_e
CLZ	102.57		Pdiff	00:12:17.645						T__					m_e
FBE	100.79		Pdiff	00:12:09.751	-0.1					T__					m_e
FLT1	101.99		Pdiff	00:12:14.384	0.0					T__					m_e
GEC2	100.68		Pdiff	00:12:08.899	-0.3					T__					m_e
GRA1	102.24		Pdiff	00:12:16.311						T__		7.6	0.99		m_e
GRA1	102.24		PP	00:16:34.816						T__					m_e
GTTG	102.86		Pdiff	00:12:18.727						T__					m_e
MOX	101.91		Pdiff	00:12:13.976	0.5					T__					m_e
NEUB	101.76		Pdiff	00:12:13.655	-0.3					T__					m_e
NRDL	102.66		Pdiff	00:12:18.275						T__					m_e
PLN	101.58		Pdiff	00:12:13.198	-0.4					T__					m_e
ROTZ	101.60		Pdiff	00:12:12.975	0.3					T__					m_e
TANN	101.39		Pdiff	00:12:11.989	0.2					T__					m_e
WERD	101.48		Pdiff	00:12:12.729	-0.5					T__					m_e
WET	101.20		Pdiff	00:12:11.308	0.2					T__					m_e

Event 70921008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/21	00:05:21.10			-18.3500	-175.3200				227.0			21		144.22	150.41	m i ke	EMSC
	70921040																

Magnitude Err Nsta Author OrigID

Ms	4.2		BGR	70921014
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.95		PKPbc	00:24:44.691		11.9		2.78		TAS				m_e	
BRG	146.72		PKPbc	00:24:36.865	0.4	11.9		2.78		TAS				m_e	
BSEG	144.22		PKPbc	00:24:28.510	-0.1	11.9		2.78		TAS				m_e	
CLL	146.46		PKPbc	00:24:35.480	0.5	11.9		2.78		TAS				m_e	
CLZ	146.28		PKPbc	00:24:35.251	0.1	11.9		2.78		TAS				m_e	
FBE	146.78		PKPbc	00:24:36.971	0.1	11.9		2.78		TAS				m_e	
FLT1	145.70		PKPbc	00:24:32.940	0.3	11.9		2.78		TAS				m_e	
GEC2	148.71		PKPbc	00:24:41.795		11.9		2.78		TAS				m_e	
GRA1	148.29		L	01:30:44.222						T__		36.5	21.80	a_e Ms	4.1
GUNZ	147.48		PKPbc	00:24:38.951		11.9		2.78		TAS				m_e	
IBBN	146.03		PKPbc	00:24:34.652	0.3	11.9		2.78		TAS				m_e	
MOX	147.31		PKPbc	00:24:37.751	-0.4	11.9		2.78		TAS				m_e	
MOX	147.31		L	01:31:45.849						T__		43.6	18.60	a_e Ms	4.3
NRDL	145.66		PKPbc	00:24:33.118	0.3	11.9		2.78		TAS				m_e	
PLN	147.38		PKPbc	00:24:38.359	-0.6	11.9		2.78		TAS				m_e	
RETH	145.49		PKPbc	00:24:32.695	-0.5	11.9		2.78		TAS				m_e	
ROTZ	148.08		PKPbc	00:24:40.242		11.9		2.78		TAS				m_e	
TANN	147.41		PKPbc	00:24:38.398		11.9		2.78		TAS				m_e	
TNS	148.06		PKPbc	00:24:40.227		11.9		2.78		TAS				m_e	
UBR	150.41		PKPbc	00:24:45.965		11.9		2.78		TAS				m_e	
WERD	147.40		PKPbc	00:24:38.415		11.9		2.78		TAS				m_e	
WERN	147.55		PKPbc	00:24:39.135		11.9		2.78		TAS				m_e	
WLF	148.74		PKPbc	00:24:42.278		11.9		2.78		TAS				m_e	

Event 70921007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/21	00:43:42.30			-18.3000	-177.9300				514.0			27		143.87	149.97	m i ke	EMSC
	70921039																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.57		PKPbc	01:02:22.662	0.1	16.5		2.70		TAS				m_e	
BFO	149.62		PKPbc	01:02:33.197		16.5		2.70		TAS				m_e	
BRG	146.15		PKPbc	01:02:25.022	0.2	16.5		2.70		TAS				m_e	
BSEG	143.87		PKPbc	01:02:17.407	-0.1	16.5		2.70		TAS				m_e	
BUG	146.68		PKPbc	01:02:25.577	0.3	16.5		2.70		TAS				m_e	
CLL	145.94		PKPbc	01:02:23.749	0.1	16.5		2.70		TAS				m_e	
CLZ	145.90		PKPbc	01:02:24.007	0.0	16.5		2.70		TAS				a_e	
FBE	146.24		PKPbc	01:02:25.080	0.1	16.5		2.70		TAS				m_e	
FLT1	145.28		PKPbc	01:02:21.579	-0.2	16.5		2.70		TAS				m_e	
FUR	149.28		PKPbc	01:02:32.556		16.5		2.70		TAS				m_e	
GEC2	148.10		PKPbc	01:02:29.605		16.5		2.70		TAS				m_e	

GOR1	144.64	PKPbc	01:02:20.052	-0.1	16.5	2.70	TAS	m_e
GRA1	147.83	PKPbc	01:02:29.180		16.5	2.70	TAS	m_e
GTTG	146.24	PKPbc	01:02:24.804	0.3	16.5	2.70	TAS	m_e
GUNZ	146.97	PKPbc	01:02:26.970	-0.3	16.5	2.70	TAS	m_e
KAST	146.79	PKPbc	01:02:26.090	0.1	16.5	2.70	TAS	m_e
MOX	146.84	PKPbc	01:02:26.290	0.2	16.5	2.70	TAS	m_e
NEUB	146.29	PKPbc	01:02:24.787	0.1	16.5	2.70	TAS	m_e
NRDL	145.30	PKPbc	01:02:21.840	0.1	16.5	2.70	TAS	m_e
PLN	146.89	PKPbc	01:02:26.538	0.1	16.5	2.70	TAS	m_e
RETH	145.16	PKPbc	01:02:21.559	-0.5	16.5	2.70	TAS	m_e
ROTZ	147.57	PKPbc	01:02:28.444	-0.6	16.5	2.70	TAS	m_e
TANN	146.90	PKPbc	01:02:26.757	0.2	16.5	2.70	TAS	a_e
TNS	147.75	PKPbc	01:02:28.829	-0.3	16.5	2.70	TAS	m_e
UBR	149.97	PKPbc	01:02:34.257		16.5	2.70	TAS	a_e
WERD	146.90	PKPbc	01:02:26.707	0.5	16.5	2.70	TAS	a_e
WERN	147.04	PKPbc	01:02:27.126	-0.4	16.5	2.70	TAS	m_e
WLF	148.54	PKPbc	01:02:31.217		16.5	2.70	TAS	m_e

Event 70921006 Mexico-Guatemala border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/21	20:22:45.63			16.7900	-90.9370				33.0			9		81.87	86.81	m i ke	BGR
70921012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70921012
Ms	4.2		BGR	70921012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.19		P	20:35:01.199		290.0		5.02		TAS		35.1	0.84	m_e	mb 5.5
ASSE	83.85		P	20:35:11.508		290.0		5.02		TAS		14.9	0.91	m_e	mb 5.2
BFO	83.63		P	20:35:09.732		290.0		5.02		TAS		11.9	1.04	m_e	mb 5.1
BFO	83.63		L	21:13:07.723						T__		90.1	21.00	a_e	Ms 4.1
BRG	86.20		P	20:35:22.636		290.0		5.02		TAS		6.6	0.90	m_e	mb 4.8
BSEG	83.05		P	20:35:07.385	0.0	290.0		5.02		TAS		35.4	0.85	m_e	mb 5.6
BSEG	83.05		L	21:11:15.477						T__		106.5	21.40	a_e	Ms 4.2
BUG	82.05		P	20:35:02.271		290.0		5.02		TAS		36.2	1.31	m_e	mb 5.3
CLL	85.49		L	21:14:33.803						T__		88.5	19.50	a_e	Ms 4.2
CLZ	83.77		P	20:35:11.367		290.0		5.02		TAS		14.2	0.85	m_e	mb 5.2
FLT1	84.11		P	20:35:12.305	-0.2	290.0		5.02		TAS		16.3	0.96	m_e	mb 5.2
FUR	85.55		L	21:11:49.796						T__		76.4	21.30	a_e	Ms 4.1
GEC2	86.81		P	20:35:25.341		290.0		5.02		TAS		8.0	0.93	m_e	mb 4.8
GEC2	86.81		L	21:12:38.944						T__		89.6	21.30	a_e	Ms 4.1
GRA1	84.99		P	20:35:17.341		290.0		5.02		TAS		16.2	1.03	m_e	mb 5.2
GRA1	84.99		L	21:13:55.872						T__		139.0	20.70	a_e	Ms 4.3
GTTG	83.62		P	20:35:10.383		290.0		5.02		TAS		30.8	0.91	m_e	mb 5.5

GUNZ	85.43	P	20:35:18.667		290.0		5.02	TAS		5.4	0.78	m_e	mb	4.8
IBBN	82.09	P	20:35:02.600	0.1	290.0		5.02	TAS		39.6	0.96	m_e	mb	5.5
KAST	82.81	P	20:35:06.121		290.0		5.02	TAS		19.2	0.96	m_e	mb	5.3
MOX	84.90	L	21:09:45.333					T__		79.0	20.90	a_e	Ms	4.1
NRDL	83.40	P	20:35:09.211	0.1	290.0		5.02	TAS		21.5	0.89	m_e	mb	5.4
PLN	85.28	P	20:35:17.988		290.0		5.02	TAS				m_e		
RETH	82.89	P	20:35:06.819	-0.4	290.0		5.02	TAS		36.8	0.95	m_e	mb	5.6
ROTZ	85.57	P	20:35:19.488		290.0		5.02	TAS		0.9	0.91	m_e	mb	3.9
STU	84.04	P	20:35:12.190		290.0		5.02	TAS		54.1	0.81	m_e	mb	5.8
TANN	85.49	P	20:35:18.914		290.0		5.02	TAS		11.9	1.35	m_e	mb	4.9
TNS	83.13	P	20:35:07.906		290.0		5.02	TAS		46.1	0.83	m_e	mb	5.7
TNS	83.13	L	21:10:26.280					T__		110.7	20.80	a_e	Ms	4.2
UBR	84.97	P	20:35:16.654		290.0		5.02	TAS		12.7	1.02	m_e	mb	5.1
WERN	85.48	P	20:35:19.247		290.0		5.02	TAS		5.0	0.80	m_e	mb	4.8
WET	86.20	P	20:35:22.717		290.0		5.02	TAS		7.0	0.79	m_e	mb	4.8
WET	86.20	L	21:14:30.025					T__		125.3	18.60	a_e	Ms	4.3
WLF	81.87	P	20:35:01.936		290.0		5.02	TAS		21.9	0.92	m_e	mb	5.3

Event 70922003 Off coast of northern California, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/22	19:50:24.37			40.7880	-126.4090				10.0			6		78.59	84.05	m i ke	BGR
70922009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70922009
Ms	5.4		BGR	70922009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.35	P		20:02:38.728		352.9		5.57		TAS		23.8	1.19	m_e	mb	5.0
ASSE	80.24	P		20:02:31.727	-0.4	352.9		5.57		TAS				m_e		
BFO	82.65	P		20:02:52.764		352.9		5.57		TAS				m_e		
BRG	82.36	P		20:02:41.687		352.9		5.57		TAS				m_e		
BSEG	78.59	P		20:02:21.225	-0.4	352.9		5.57		TAS				m_e		
CLL	81.68	P		20:02:37.734		352.9		5.57		TAS				m_e		
CLZ	80.38	P		20:02:33.750		352.9		5.57		TAS				m_e		
FBE	82.13	P		20:02:40.597		352.9		5.57		TAS				m_e		
FLT1	80.25	P		20:02:30.752		352.9		5.57		TAS				m_e		
GEC2	84.05	P		20:02:53.123		352.9		5.57		TAS		51.1	2.14	m_e	mb	5.4
GOR1	79.70	P		20:02:27.229	-0.4	352.9		5.57		TAS		105.5	1.64	m_e	mb	5.5
GRA1	82.50	P		20:02:46.561	-0.4	352.9		5.57		TAS		61.6	1.77	m_e	mb	5.5
GRA1	82.50	L		20:41:47.181						T__		944.7	18.10	a_e	Ms	5.2
GTTG	80.50	P		20:02:34.542		352.9		5.57		TAS				m_e		
IBBN	79.12	P		20:02:29.321	-0.4	352.9		5.57		TAS		30.4	0.93	m_e	mb	5.3
MOX	81.81	P		20:02:40.709		352.9		5.57		TAS		23.7	1.53	m_e	mb	5.1
MOX	81.81	L		20:39:58.912						T__		3103.2	20.10	a_e	Ms	5.7

NEUB	81.39	P	20:02:37.832	352.9	5.57	TAS											m_e		
NRDL	79.74	P	20:02:29.847	-0.7 352.9	5.57	TAS												m_e	
PLN	82.13	P	20:02:42.105	352.9	5.57	TAS												m_e	
RETH	79.29	P	20:02:27.624	-0.4 352.9	5.57	TAS												m_e	
TANN	82.29	P	20:02:43.108	352.9	5.57	TAS												m_e	
TNS	81.10	P	20:02:41.649	352.9	5.57	TAS						54.2	2.10				m_e mb	5.2	
UBR	83.84	P	20:02:58.207	352.9	5.57	TAS						46.7	1.41				m_e mb	5.5	
WERD	82.21	P	20:02:42.670	352.9	5.57	TAS												m_e	
WERN	82.37	P	20:02:44.535	352.9	5.57	TAS						36.1	1.80				m_e mb	5.2	
WET	83.52	P	20:02:51.377	352.9	5.57	TAS						25.5	1.72				m_e mb	5.2	
WLF	80.74	P	20:02:43.412	352.9	5.57	TAS						67.7	1.77				m_e mb	5.4	

Event 70923001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/22	23:49:36.60			31.5780	140.9230				70.3	2.2		31		83.10	89.85	m i ke	BGR
70923007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70923007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	85.97		P	00:02:08.002	0.0	40.6		4.75		TAS		24.2	1.05	m_e mb	5.3
ASSE	85.97		pP	00:02:27.172	0.5					T__				m_e	
BFO	89.85		P	00:02:26.637	0.1	40.6		4.75		TAS				m_e	
BRG	85.53		P	00:02:06.153	0.1	40.6		4.75		TAS		27.0	0.86	m_e mb	5.4
BSEG	84.73		P	00:02:01.938	-0.1	40.6		4.75		TAS		101.1	0.92	m_e mb	6.0
BUG	87.84		P	00:02:17.245	0.4	40.6		4.75		TAS				m_e	
CLL	85.62		P	00:02:06.276	-0.5	40.6		4.75		TAS		75.5	0.99	m_e mb	5.8
CLZ	86.31		P	00:02:10.146	0.5	40.6		4.75		TAS		57.4	0.98	m_e mb	5.7
FBE	85.75		P	00:02:07.251	0.4	40.6		4.75		TAS		46.0	0.88	m_e mb	5.6
FLT1	85.59		P	00:02:05.857	-0.3	40.6		4.75		TAS		73.6	0.92	m_e mb	5.8
FUR	88.71		P	00:02:21.534	0.4	40.6		4.75		TAS				m_e	
FUR	88.71		pP	00:02:41.285	0.5					T__				m_e	
GEC2	87.13		P	00:02:13.326	-0.3	40.6		4.75		TAS				m_e	
GRA1	87.58		P	00:02:16.284	0.5	40.6		4.75		TAS				m_e	
GTTG	86.70		P	00:02:11.699	0.2	40.6		4.75		TAS				m_e	
GUNZ	86.60		P	00:02:11.108	-0.0	40.6		4.75		TAS				m_e	
IBBN	86.97		P	00:02:12.808	0.1	40.6		4.75		TAS				m_e	
KAST	87.58		P	00:02:15.766	0.1	40.6		4.75		TAS				m_e	
MOX	86.70		P	00:02:11.625	0.1	40.6		4.75		TAS				m_e	
NEUB	86.22		P	00:02:08.963	-0.3	40.6		4.75		TAS		46.3	0.89	m_e mb	5.6
NRDL	85.91		P	00:02:07.854	0.1	40.6		4.75		TAS		22.3	0.96	m_e mb	5.3
RGN	83.10		P	00:01:54.563	0.2	40.6		4.75		TAS		67.1	0.89	m_e mb	5.9
RGN	83.10		pP	00:02:13.346	0.5					T__				m_e	
ROTZ	87.10		P	00:02:13.178	-0.3	40.6		4.75		TAS				m_e	



RUE	84.43	P	00:02:01.050	0.3	40.6	4.75	TAS	123.7	0.91	m_e	mb	6.1
STU	89.15	P	00:02:23.679	0.5	40.6	4.75	TAS					
TANN	86.51	P	00:02:10.442	-0.2	40.6	4.75	TAS	6.8	0.93	m_e	mb	4.8
TNS	88.33	P	00:02:19.242	0.0	40.6	4.75	TAS					
UBR	89.59	P	00:02:25.232	-0.1	40.6	4.75	TAS					
WERD	86.55	P	00:02:10.442	-0.4	40.6	4.75	TAS	12.8	0.96	m_e	mb	5.0
WERN	86.64	P	00:02:11.181	-0.1	40.6	4.75	TAS	24.2	1.00	m_e	mb	5.3
WET	87.27	P	00:02:14.361	0.0	40.6	4.75	TAS					
WLF	89.68	P	00:02:26.193	0.6	40.6	4.75	TAS					

Event 70923002 North Pacific Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/23	08:20:00.46			43.8150	153.8900				33.0					81.33	81.33	m i ke	BGR
70923008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70923008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	81.33		P	08:32:12.184		24.4		4.49		TAS		2.8	0.75	m_e	mb	4.4

Event 70923003 Near coast of Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/23	10:38:11.68			15.5610	-94.1620				69.4	1.1		28		84.41	89.72	m i ke	BGR
70923009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70923009
MBB	6.4		BGR	70923009
Ms	5.3		BGR	70923009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.69		P	10:50:45.372	-0.5	290.2		5.03		TAS		60.3	0.80	m_e	MBB	6.3
BFO	86.59		P	10:50:44.103	0.1	290.2		5.03		TAS		58.6	0.89	m_e	MBB	6.2
BRG	89.06		P	10:50:57.277	0.2	290.2		5.03		TAS		24.9	0.79	m_e	MBB	6.2
BSEG	85.84		P	10:50:41.697	0.7	290.2		5.03		TAS		102.9	0.83	m_e	MBB	6.5
BUG	84.93		P	10:50:36.332	0.3	290.2		5.03		TAS						
BUG	84.93		pP	10:50:55.476	0.1					T__						
CLL	88.34		P	10:50:53.235	0.3	290.2		5.03		TAS		25.1	0.77	m_e	MBB	6.3
CLZ	86.62		P	10:50:45.004	0.0	290.2		5.03		TAS		77.0	0.77	m_e	MBB	6.4
FBE	88.69		P	10:50:55.293	0.1	290.2		5.03		TAS		20.3	0.79	m_e	MBB	6.2

FLT1	86.94	P	10:50:46.100	0.4	290.2	5.03	TAS	50.6	0.79	m_e	MBB	6.4
FLT1	86.94	pP	10:51:05.384	0.1			T__			m_e		
GEC2	89.72	P	10:50:59.776		290.2	5.03	TAS	25.8	0.89	m_e	MBB	6.1
GEC2	89.72	pP	10:51:19.097	0.1			T__			m_e		
GRA1	87.90	P	10:50:51.765	0.2	290.2	5.03	TAS	58.3	0.87	m_e	mb	5.9
GRA1	87.90	L	11:30:14.412				T__	1221.5	21.70	a_e	Ms	5.3
GTTG	86.48	P	10:50:44.564	-0.6	290.2	5.03	TAS	153.3	0.81	m_e	MBB	6.5
GUNZ	88.31	P	10:50:53.382	-0.4	290.2	5.03	TAS	31.3	0.76	m_e	MBB	6.3
HLG	84.41	P	10:50:34.012	-0.0	290.2	5.03	TAS	297.0	1.08	m_e	MBB	6.7
IBBN	84.94	P	10:50:36.773	-2.1	290.2	5.03	TAS			m_e		
IBBN	84.94	pP	10:50:55.599	0.1			T__			m_e		
KAST	85.69	P	10:50:39.966	0.4	290.2	5.03	TAS	45.2	0.88	m_e	MBB	6.3
MOX	87.78	P	10:50:50.736	0.6	290.2	5.03	TAS	34.8	0.93	m_e	MBB	6.3
MOX	87.78	L	11:28:18.381				T__	1170.2	20.70	a_e	Ms	5.3
NEUB	87.67	P	10:50:50.516	0.0	290.2	5.03	TAS	43.5	0.85	m_e	MBB	6.6
NRDL	86.23	P	10:50:42.726	0.8	290.2	5.03	TAS	70.0	0.79	m_e	MBB	6.4
ROTZ	88.46	P	10:50:53.749	-0.1	290.2	5.03	TAS	2.6	0.82	m_e	MBB	5.7
STU	86.98	P	10:50:46.768	0.3	290.2	5.03	TAS	273.8	0.81	m_e	MBB	6.8
TANN	88.37	P	10:50:53.749	-0.3	290.2	5.03	TAS	25.1	0.85	m_e	MBB	6.3
TNS	86.03	P	10:50:42.175	-0.3	290.2	5.03	TAS	188.6	0.81	m_e	MBB	6.5
UBR	87.94	P	10:50:51.324	-0.1	290.2	5.03	TAS	100.7	0.97	m_e	MBB	6.5
WERD	88.26	P	10:50:53.015	0.0	290.2	5.03	TAS	28.5	1.04	m_e	MBB	6.2
WERD	88.26	pP	10:51:11.871	0.1			T__			m_e		
WERN	88.37	P	10:50:53.896	0.1	290.2	5.03	TAS	38.5	0.93	m_e	MBB	6.3
WET	89.11	P	10:50:57.498	-0.6	290.2	5.03	TAS	47.1	0.89	m_e	MBB	6.2
WLF	84.81	P	10:50:35.741	-0.0	290.2	5.03	TAS	80.2	0.71	m_e	MBB	6.5

Event 70923004 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/23	12:53:06.80			16.7510	-95.0110				33.0			25		83.91	89.31	m i ke	BGR
	70923010																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70923010
MBB	6.6		BGR	70923010
Ms	5.9		BGR	70923010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.22		P	13:05:43.523		293.1		4.87		TAS		92.3	1.04	m_e	MBB 6.5
BFO	86.23		P	13:05:43.103	0.1	293.1		4.87		TAS		80.0	0.92	m_e	MBB 6.6
BRG	88.60		P	13:05:54.882		293.1		4.87		TAS		33.5	0.85	m_e	MBB 6.5
BSEG	85.34		P	13:05:39.128	0.5	293.1		4.87		TAS		159.7	0.89	m_e	MBB 6.9
BUG	84.50		P	13:05:34.965	-0.4	293.1		4.87		TAS		107.1	1.11	m_e	MBB 6.8
CLL	87.88		P	13:05:51.393	0.2	293.1		4.87		TAS		22.8	0.85	m_e	MBB 6.5
CLZ	86.16		P	13:05:43.274	-0.8	293.1		4.87		TAS		124.6	1.09	m_e	MBB 6.7

FBE	88.24	P	13:05:53.106	-0.5	293.1	4.87	TAS	18.6	0.80	m_e	MBB	6.6
FLT1	86.47	P	13:05:44.249	-0.2	293.1	4.87	TAS	89.5	1.07	m_e	MBB	6.6
GEC2	89.31	P	13:05:57.990		293.1	4.87	TAS	44.3	0.98	m_e	MBB	6.4
GRA1	87.49	P	13:05:49.495	0.1	293.1	4.87	TAS	56.7	1.05	m_e	mb	5.6
GRA1	87.49	L	13:45:46.472				T__	6300.3	20.30	a_e	Ms	6.0
GTTG	86.04	P	13:05:43.021	0.1	293.1	4.87	TAS	167.6	0.99	m_e	MBB	6.7
GUNZ	87.88	P	13:05:51.583	-0.1	293.1	4.87	TAS	41.6	0.89	m_e	MBB	6.5
HLG	83.91	P	13:05:31.717		293.1	4.87	TAS	254.5	1.03	m_e	MBB	7.0
IBBN	84.49	P	13:05:34.585	-0.1	293.1	4.87	TAS	161.6	0.99	m_e	MBB	6.9
KAST	85.26	P	13:05:38.327	0.4	293.1	4.87	TAS	119.6	1.01	m_e	MBB	6.8
MOX	87.34	P	13:05:48.666	-0.1	293.1	4.87	TAS	34.0	0.91	m_e	MBB	6.5
MOX	87.34	L	13:47:23.419				T__	4201.5	20.30	a_e	Ms	5.8
NEUB	87.22	P	13:05:47.979	0.1	293.1	4.87	TAS	47.3	0.85	m_e	MBB	6.6
NRDL	85.76	P	13:05:41.308	0.5	293.1	4.87	TAS	97.3	0.97	m_e	MBB	6.6
ROTZ	88.04	P	13:05:52.471	-0.2	293.1	4.87	TAS	3.9	0.77	m_e	MBB	6.0
STU	86.60	P	13:05:44.886	0.5	293.1	4.87	TAS	329.1	0.84	m_e	MBB	7.1
TANN	87.93	P	13:05:51.964	-0.1	293.1	4.87	TAS	47.5	0.95	m_e	MBB	6.6
TNS	85.62	P	13:05:40.989	0.1	293.1	4.87	TAS	225.3	0.88	m_e	MBB	6.8
UBR	87.58	P	13:05:50.232	-0.1	293.1	4.87	TAS	74.0	1.03	m_e	MBB	6.7
WERD	87.83	P	13:05:51.203	0.2	293.1	4.87	TAS	80.3	1.26	m_e	MBB	6.5
WERN	87.93	P	13:05:51.647	-0.1	293.1	4.87	TAS	55.9	0.92	m_e	MBB	6.6
WET	88.70	P	13:05:55.326		293.1	4.87	TAS	40.8	0.85	m_e	MBB	6.6
WLF	84.42	P	13:05:34.585	-0.4	293.1	4.87	TAS	1009.9	1.65	m_e	MBB	6.8

Event 70923005 Mindoro, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/23	13:30:39.68			13.5510	120.7570				230.4	1.4		7		89.89	94.94	m i ke	BGR
70923011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70923011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	94.26		P	13:36:56.671		291.7		4.90		TAS		5.8	0.92	m_e	mb 4.9
BFO	94.26		pP	13:37:52.814						T__				m_e	
BRG	89.89		P	13:37:08.842	-0.3	291.7		4.90		TAS		3.3	0.80	m_e	mb 4.6
BRG	89.89		pP	13:38:05.092						T__				m_e	
BSEG	90.75		P	13:36:52.980	-0.3	291.7		4.90		TAS		12.5	0.78	m_e	mb 5.3
BSEG	90.75		pP	13:37:49.458						T__				m_e	
CLZ	91.58		P	13:36:56.987		291.7		4.90		TAS		8.3	1.06	m_e	mb 5.0
FLT1	90.89		P	13:36:58.612	-0.4	291.7		4.90		TAS		5.0	0.97	m_e	mb 4.8
GEC2	90.78		P	13:37:12.235	-0.4	291.7		4.90		TAS		3.8	1.01	m_e	mb 4.7
GEC2	90.78		pP	13:38:08.065						T__				m_e	
GTTG	91.93		P	13:36:57.063		291.7		4.90		TAS		6.7	0.82	m_e	mb 5.0
GUNZ	91.04		P	13:37:05.277	-0.4	291.7		4.90		TAS		2.8	0.73	m_e	mb 4.7

KAST	92.96	P	13:36:52.588	291.7	4.90	TAS	7.0	0.87	m_e	mb	5.1
KAST	92.96	pP	13:37:48.517			T__			m_e		
MOX	91.35	P	13:37:02.839	291.7	4.90	TAS	2.5	0.77	m_e	mb	4.6
MOX	91.35	pP	13:37:59.296			T__			m_e		
NRDL	91.46	P	13:36:55.104	291.7	4.90	TAS	6.8	0.88	m_e	mb	5.0
TANN	90.94	P	13:37:05.477	-0.4 291.7	4.90	TAS	2.2	0.83	m_e	mb	4.5
TNS	93.37	P	13:36:54.228	291.7	4.90	TAS	17.2	0.78	m_e	mb	5.5
TNS	93.37	pP	13:37:50.215			T__			m_e		
WERD	91.02	P	13:37:04.968	-0.4 291.7	4.90	TAS			m_e		
WERN	91.04	P	13:37:05.628	-0.4 291.7	4.90	TAS	2.5	0.72	m_e	mb	4.6
WET	91.17	P	13:37:09.589	291.7	4.90	TAS	3.1	0.86	m_e	mb	4.7
WLF	94.94	P	13:36:48.539	291.7	4.90	TAS	6.2	0.75	m_e	mb	5.1

Event 70923006 Mindoro, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/23	13:30:39.68			13.5510	120.7570				234.9				11	89.89	94.26	m i ke	BGR
OrigID 70923012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70923012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	91.29		P	13:43:18.481	-0.1	66.6		4.24		TAS				m_e		
BFO	94.26		P	13:43:30.976		66.6		4.24		TAS		2.1	0.87	m_e	mb	4.5
BRG	89.89		P	13:43:12.160	-0.2	66.6		4.24		TAS		4.1	1.00	m_e	mb	4.6
BSEG	90.75		P	13:43:15.759	0.3	66.6		4.24		TAS		5.8	0.93	m_e	mb	4.9
CLZ	91.58		P	13:43:19.919	-0.1	66.6		4.24		TAS				m_e		
FLT1	90.89		P	13:43:16.425	0.3	66.6		4.24		TAS				m_e		
FUR	92.53		P	13:43:23.937		66.6		4.24		TAS		19.2	0.52	m_e	mb	5.8
GEC2	90.78		P	13:43:16.321	-0.1	66.6		4.24		TAS		3.8	0.96	m_e	mb	4.7
GRA1	91.96		P	13:43:22.015	-0.1	66.6		4.24		TAS		4.7	0.63	m_e	mb	5.0
GUNZ	91.04		P	13:43:17.389	-0.1	66.6		4.24		TAS		2.2	0.80	m_e	mb	4.5
KAST	92.96		P	13:43:25.786		66.6		4.24		TAS		2.2	0.92	m_e	mb	4.6
MOX	91.35		P	13:43:18.181	-0.1	66.6		4.24		TAS		1.6	0.95	m_e	mb	4.3
NRDL	91.46		P	13:43:19.205		66.6		4.24		TAS		1.7	0.75	m_e	mb	4.5
ROTZ	91.34		P	13:43:18.672	-0.1	66.6		4.24		TAS		0.5	0.83	m_e	mb	3.9
TANN	90.94		P	13:43:16.837	-0.1	66.6		4.24		TAS		1.5	0.85	m_e	mb	4.3
TNS	93.37		P	13:43:27.289		66.6		4.24		TAS		2.4	0.79	m_e	mb	4.7
UBR	93.45		P	13:43:27.805		66.6		4.24		TAS		3.5	0.84	m_e	mb	4.8
WERD	91.02		P	13:43:17.389	-0.1	66.6		4.24		TAS		2.9	1.12	m_e	mb	4.5
WERN	91.04		P	13:43:17.328	-0.1	66.6		4.24		TAS		2.4	1.03	m_e	mb	4.5
WET	91.17		P	13:43:17.947	-0.3	66.6		4.24		TAS		4.7	1.25	m_e	mb	4.7

Event 70924002 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/24	10:06:15.66			15.4190	-93.9820				40.0	3.0		27		84.80	89.72	m i ke	BGR
OrigID 70924008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70924008
Ms	5.4		BGR	70924008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.70		P	10:18:51.251	0.6	290.2		4.92		TAS				m_e	
BFO	86.59		P	10:18:50.010	-0.3	290.2		4.92		TAS		9.1	0.84	m_e mb	4.9
BRG	89.06		P	10:19:02.242	-0.6	290.2		4.92		TAS		8.0	0.84	m_e mb	5.0
BRG	89.06		pP	10:19:14.584	0.2					T__				m_e	
BSEG	85.86		P	10:18:47.530	0.3	290.2		4.92		TAS		40.4	0.87	m_e mb	5.6
BUG	84.94		P	10:18:41.970	-0.5	290.2		4.92		TAS		15.4	0.83	m_e mb	5.3
CLL	88.35		P	10:18:59.248	-0.1	290.2		4.92		TAS		9.7	0.81	m_e mb	5.2
CLL	88.35		pP	10:19:10.972	0.2					T__				m_e	
CLZ	86.63		P	10:18:50.951	0.1	290.2		4.92		TAS		12.9	0.68	m_e mb	5.2
FBE	88.70		P	10:19:01.301	0.2	290.2		4.92		TAS		6.7	0.84	m_e mb	4.9
FBE	88.70		pP	10:19:12.695	0.2					T__				m_e	
FLT1	86.95		P	10:18:52.149	-0.3	290.2		4.92		TAS		14.8	0.86	m_e mb	5.1
GEC2	89.72		P	10:19:05.664	-0.2	290.2		4.92		TAS		7.9	0.85	m_e mb	5.0
GEC2	89.72		pP	10:19:17.551	0.2					T__				m_e	
GRA1	87.90		P	10:18:57.367	0.4	290.2		4.92		TAS				m_e	
GRA1	87.90		L	10:57:27.080						T__		2230.3	20.10	a_e Ms	5.6
GTTG	86.49		P	10:18:49.839	-0.3	290.2		4.92		TAS		27.1	0.77	m_e mb	5.4
GUNZ	88.32		P	10:18:59.077	0.0	290.2		4.92		TAS		9.0	0.68	m_e mb	5.2
GUNZ	88.32		pP	10:19:10.534	0.2					T__				m_e	
IBBN	84.95		P	10:18:42.398	-0.2	290.2		4.92		TAS		44.6	1.00	m_e mb	5.7
KAST	85.69		P	10:18:45.990	-0.2	290.2		4.92		TAS		18.3	0.82	m_e mb	5.2
MOX	87.79		P	10:18:56.478	-0.7	290.2		4.92		TAS				m_e	
MOX	87.79		L	10:59:41.320						T__		1180.6	20.00	a_e Ms	5.3
NEUB	87.67		P	10:18:56.155	0.3	290.2		4.92		TAS		10.5	0.75	m_e mb	5.2
NRDL	86.24		P	10:18:49.241	0.2	290.2		4.92		TAS		27.5	0.86	m_e mb	5.4
ROTZ	88.47		P	10:19:00.360	0.6	290.2		4.92		TAS		1.1	0.73	m_e mb	4.3
ROTZ	88.47		pP	10:19:11.131	0.2					T__				m_e	
STU	86.98		P	10:18:52.491	0.2	290.2		4.92		TAS		70.9	0.80	m_e mb	5.9
TANN	88.37		P	10:18:59.163	-0.2	290.2		4.92		TAS		5.5	0.81	m_e mb	4.9
TANN	88.37		pP	10:19:10.824	0.2					T__				m_e	
TNS	86.03		P	10:18:47.701	-0.1	290.2		4.92		TAS		43.0	0.74	m_e mb	5.7
UBR	87.93		P	10:18:57.195	0.3	290.2		4.92		TAS				m_e	
WERD	88.27		P	10:18:59.419	0.6	290.2		4.92		TAS				m_e	
WERN	88.37		P	10:18:59.505	0.2	290.2		4.92		TAS		4.8	0.86	m_e mb	4.8
WET	89.11		P	10:19:02.413	-0.5	290.2		4.92		TAS		10.7	0.84	m_e mb	5.1
WET	89.11		pP	10:19:14.254	0.2					T__				m_e	
WLF	84.80		P	10:18:41.755	0.2	290.2		4.92		TAS				m_e	

Event 70924004 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/24	23:31:21.52		30.7230	131.3850					33.0					83.94	83.94	m i ke	BGR
OrigID 70924010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70924010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.94		P	23:43:47.298		54.5		4.52		TAS		7.1	0.91	m_e mb	4.9

Event 70925003 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/25	20:29:29.54		-6.2650	152.7440					33.0				14	123.59	128.44	m i ke	BGR
OrigID 70925009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	70925009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	124.66		PKPbc	20:48:25.940	-0.1	51.5		2.08		TAS				m_e	
BFO	128.33		PKPbc	20:48:32.806		51.5		2.08		TAS				m_e	
BRG	123.90		PKPbc	20:48:23.675		51.5		2.08		TAS				m_e	
BSEG	123.59		PKPbc	20:48:23.738	0.4	51.5		2.08		TAS				m_e	
BUG	126.67		PKPbc	20:48:29.868		51.5		2.08		TAS				m_e	
CLL	124.10		PKPbc	20:48:24.228	0.3	51.5		2.08		TAS				m_e	
CLZ	124.99		PKPbc	20:48:26.557	-0.1	51.5		2.08		TAS				m_e	
FBE	124.17		PKPbc	20:48:24.463	-0.1	51.5		2.08		TAS				m_e	
FLT1	124.27		PKPbc	20:48:24.872	-0.1	51.5		2.08		TAS				m_e	
FUR	126.95		PKPbc	20:48:29.618		51.5		2.08		TAS				m_e	
GEC2	125.26		PKPbc	20:48:26.966		51.5		2.08		TAS				m_e	
GRA1	126.00		PKPbc	20:48:28.061		51.5		2.08		TAS				m_e	
GRA1	126.00		L	21:44:44.668						T__		937.6	21.30	a_e Ms	5.4
GTTG	125.38		PKPbc	20:48:27.176	-0.1	51.5		2.08		TAS				m_e	
GUNZ	125.02		PKPbc	20:48:26.540	-0.1	51.5		2.08		TAS				m_e	
IBBN	125.84		PKPbc	20:48:27.817		51.5		2.08		TAS				m_e	
KAST	126.32		PKPbc	20:48:28.966		51.5		2.08		TAS				m_e	
MOX	125.19		PKPbc	20:48:26.601	0.8	51.5		2.08		TAS				m_e	
MOX	125.19		L	21:44:07.731						T__		768.8	21.20	a_e Ms	5.3
NEUB	124.76		PKPbc	20:48:25.980	-0.1	51.5		2.08		TAS				m_e	

NRDL	124.67	PKPbc	20:48:25.749	0.1	51.5	2.08	TAS	m_e
ROTZ	125.46	PKPbc	20:48:27.293	-0.1	51.5	2.08	TAS	m_e
STU	127.61	PKPbc	20:48:31.430		51.5	2.08	TAS	m_e
TANN	124.93	PKPbc	20:48:26.053	0.1	51.5	2.08	TAS	m_e
TNS	126.99	PKPbc	20:48:30.203		51.5	2.08	TAS	m_e
UBR	127.87	PKPbc	20:48:31.888		51.5	2.08	TAS	m_e
WERD	124.98	PKPbc	20:48:26.323	-0.1	51.5	2.08	TAS	m_e
WERN	125.05	PKPbc	20:48:26.540	-0.5	51.5	2.08	TAS	m_e
WET	125.51	PKPbc	20:48:27.128		51.5	2.08	TAS	m_e
WLF	128.44	PKPbc	20:48:33.802		51.5	2.08	TAS	m_e

Event 70926001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/26	01:41:36.45			-19.1900	-175.7700				33.0			29		145.00	151.18	m i ke	BGR
70926007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.74		PKPbc	02:01:14.141	-0.8	11.2		2.79		TAS					m_e
BFO	150.74		PKPbc	02:01:25.438	-0.8	11.2		2.79		TAS					m_e
BRG	147.46		PKPbc	02:01:17.079	-0.6	11.2		2.79		TAS					m_e
BSEG	145.00		PKPbc	02:01:08.964	-0.2	11.2		2.79		TAS					m_e
BUG	147.73		PKPbc	02:01:17.556	-0.8	11.2		2.79		TAS					m_e
CLL	147.21		PKPbc	02:01:15.727	0.2	11.2		2.79		TAS					m_e
CLZ	147.06		PKPbc	02:01:15.365	-0.8	11.2		2.79		TAS					m_e
FBE	147.52		PKPbc	02:01:17.121	-0.1	11.2		2.79		TAS					m_e
FLT1	146.47		PKPbc	02:01:13.231	0.4	11.2		2.79		TAS					m_e
FUR	150.54		PKPbc	02:01:24.850		11.2		2.79		TAS					m_e
GEC2	149.44		PKPbc	02:01:21.725		11.2		2.79		TAS					m_e
GRA1	149.06		PKPbc	02:01:21.133	-0.8	11.2		2.79		TAS					m_e
GTTG	147.40		PKPbc	02:01:16.186	-0.8	11.2		2.79		TAS					m_e
GUNZ	148.23		PKPbc	02:01:18.869		11.2		2.79		TAS					m_e
IBBN	146.84		PKPbc	02:01:14.490	-0.8	11.2		2.79		TAS					m_e
KAST	147.88		PKPbc	02:01:17.867	-0.8	11.2		2.79		TAS					m_e
MOX	148.07		PKPbc	02:01:18.388	-0.2	11.2		2.79		TAS					m_e
NEUB	147.51		PKPbc	02:01:16.793	-0.8	11.2		2.79		TAS					m_e
NRDL	146.45		PKPbc	02:01:13.071	-0.8	11.2		2.79		TAS					m_e
ROTZ	148.83		PKPbc	02:01:20.289		11.2		2.79		TAS					m_e
RUE	145.95		PKPbc	02:01:11.994	-0.8	11.2		2.79		TAS					m_e
STU	150.22		PKPbc	02:01:23.872	-0.8	11.2		2.79		TAS					m_e
TANN	148.16		PKPbc	02:01:18.811		11.2		2.79		TAS					m_e
TNS	148.85		PKPbc	02:01:20.643		11.2		2.79		TAS					m_e
UBR	151.18		PKPbc	02:01:26.286		11.2		2.79		TAS					m_e
WERD	148.16		PKPbc	02:01:18.853	-0.6	11.2		2.79		TAS					m_e

WERN	148.30	PKPbc	02:01:19.104		11.2	2.79	TAS	m_e
WET	149.32	PKPbc	02:01:21.623	-0.8	11.2	2.79	TAS	m_e
WLF	149.56	PKPbc	02:01:23.028	-0.8	11.2	2.79	TAS	m_e

Event 70926003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/26	08:15:47.13			-24.4280	178.7600				600.0		14		149.28	154.97	m i ke	BGR
70926009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.88		PKPbc	08:34:36.492	-0.2	22.3		2.34		TAS					m_e
ASSE	150.88		PKPab	08:34:46.447	-0.3	22.3		2.34		TAS					m_e
BFO	154.97		PKPbc	08:34:45.847	-0.3	22.3		2.34		TAS					m_e
BRG	151.11		PKPbc	08:34:37.632	0.1	22.3		2.34		TAS					m_e
BRG	151.11		PKPab	08:34:48.347	-0.3	22.3		2.34		TAS					m_e
BSEG	149.28		PKPbc	08:34:32.746	0.1	22.3		2.34		TAS					m_e
BSEG	149.28		PKPab	08:34:40.126	-0.3	22.3		2.34		TAS					m_e
CLL	151.01		PKPbc	08:34:36.928	-0.2	22.3		2.34		TAS					m_e
CLL	151.01		PKPab	08:34:47.137	-0.3	22.3		2.34		TAS					m_e
CLZ	151.22		PKPbc	08:34:37.574	0.4	22.3		2.34		TAS					m_e
CLZ	151.22		PKPab	08:34:48.442	-0.3	22.3		2.34		TAS					m_e
FBE	151.25		PKPbc	08:34:37.968	0.2	22.3		2.34		TAS					m_e
FBE	151.25		PKPab	08:34:48.909	-0.3	22.3		2.34		TAS					m_e
FLT1	150.56		PKPbc	08:34:35.586	-0.3	22.3		2.34		TAS					m_e
FLT1	150.56		PKPab	08:34:45.366	-0.3	22.3		2.34		TAS					m_e
GTTG	151.59		PKPbc	08:34:38.437	0.1	22.3		2.34		TAS					m_e
GTTG	151.59		PKPab	08:34:49.947	-0.3	22.3		2.34		TAS					m_e
GUNZ	152.05		PKPbc	08:34:39.679	-0.3	22.3		2.34		TAS					m_e
GUNZ	152.05		PKPab	08:34:52.158	-0.3	22.3		2.34		TAS					m_e
KAST	152.25		PKPbc	08:34:39.712		22.3		2.34		TAS					m_e
KAST	152.25		PKPab	08:34:53.201	-0.3	22.3		2.34		TAS					m_e
MOX	152.00		PKPbc	08:34:39.243	-0.3	22.3		2.34		TAS					m_e
MOX	152.00		PKPab	08:34:51.587	-0.3	22.3		2.34		TAS					m_e
NEUB	151.46		PKPbc	08:34:38.270	0.2	22.3		2.34		TAS					m_e
NEUB	151.46		PKPab	08:34:49.306	-0.3	22.3		2.34		TAS					m_e
NRDL	150.67		PKPbc	08:34:36.156	0.0	22.3		2.34		TAS					m_e
NRDL	150.67		PKPab	08:34:45.958	-0.3	22.3		2.34		TAS					m_e
ROTZ	152.61		PKPbc	08:34:40.632	-0.3	22.3		2.34		TAS					m_e
ROTZ	152.61		PKPab	08:34:54.620	-0.3	22.3		2.34		TAS					m_e
RUE	149.75		PKPbc	08:34:34.043	-0.1	22.3		2.34		TAS					m_e
RUE	149.75		PKPab	08:34:41.597	-0.3	22.3		2.34		TAS					m_e
TANN	151.96		PKPbc	08:34:39.328	-0.3	22.3		2.34		TAS					m_e
TANN	151.96		PKPab	08:34:51.605	-0.3	22.3		2.34		TAS					m_e



TNS	153.17	PKPbc	08:34:41.921	-0.3	22.3	2.34	TAS	m_e
TNS	153.17	PKPab	08:34:56.446	-0.3	22.3	2.34	TAS	m_e
WERD	151.98	PKPbc	08:34:39.377	0.0	22.3	2.34	TAS	m_e
WERD	151.98	PKPab	08:34:51.656	-0.3	22.3	2.34	TAS	m_e
WERN	152.10	PKPbc	08:34:39.684	-0.3	22.3	2.34	TAS	m_e
WERN	152.10	PKPab	08:34:52.531	-0.3	22.3	2.34	TAS	m_e
WET	152.96	PKPbc	08:34:41.651	-0.3	22.3	2.34	TAS	m_e
WET	152.96	PKPab	08:34:56.175	-0.3	22.3	2.34	TAS	m_e

Event 70926005 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/26	20:22:15.20			40.3720	142.1950			71.6		2.8		30		75.82	82.69	m i ke	BGR
	70926011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70926011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.71		P	20:34:10.374	-0.5	34.5		5.42		TAS		41.8	0.95	m_e mb	5.4
BFO	82.69		P	20:34:32.376	-0.2	34.5		5.42		TAS		80.1	0.91	m_e mb	5.9
BFO	82.69		pP	20:34:52.149						T__				m_e	
BRG	78.49		P	20:34:10.020	0.0	34.5		5.42		TAS		52.9	0.92	m_e mb	5.7
BSEG	77.36		P	20:34:03.441	0.1	34.5		5.42		TAS		188.3	0.94	m_e mb	6.2
BUG	80.47		P	20:34:20.137	-0.1	34.5		5.42		TAS		104.8	0.98	m_e mb	5.7
CLL	78.51		P	20:34:09.589	-0.4	34.5		5.42		TAS		119.8	0.90	m_e mb	5.9
CLZ	79.05		P	20:34:12.992	0.3	34.5		5.42		TAS		157.9	0.98	m_e mb	6.0
FBE	78.68		P	20:34:10.940	-0.0	34.5		5.42		TAS		83.2	0.85	m_e mb	5.8
FLT1	78.34		P	20:34:08.393	-0.5	34.5		5.42		TAS		147.5	0.88	m_e mb	6.1
FUR	81.71		P	20:34:27.424	-0.0	34.5		5.42		TAS		218.2	0.86	m_e mb	6.3
GEC2	80.20		P	20:34:19.429	0.1	34.5		5.42		TAS		60.1	0.95	m_e mb	5.5
GEC2	80.20		pP	20:34:38.086						T__				m_e	
GRA1	80.49		P	20:34:20.915	0.2	34.5		5.42		TAS		179.2	0.88	m_e mb	6.0
GTTG	79.44		P	20:34:15.043	0.2	34.5		5.42		TAS		126.2	0.96	m_e mb	5.9
GUNZ	79.52		P	20:34:15.680	0.2	34.5		5.42		TAS		44.1	0.86	m_e mb	5.4
IBBN	79.58		P	20:34:15.751	0.4	34.5		5.42		TAS		142.2	0.87	m_e mb	5.9
KAST	80.27		P	20:34:19.429	0.2	34.5		5.42		TAS		60.0	0.95	m_e mb	5.5
MOX	79.57		P	20:34:15.609	-0.1	34.5		5.42		TAS		48.6	0.92	m_e mb	5.4
NEUB	79.06		P	20:34:12.850	-0.1	34.5		5.42		TAS		128.9	0.90	m_e mb	6.0
NRDL	78.61		P	20:34:10.162	-0.1	34.5		5.42		TAS		54.8	0.92	m_e mb	5.6
NRDL	78.61		pP	20:34:29.304						T__				m_e	
RGN	75.82		P	20:33:55.305	0.2	34.5		5.42		TAS		203.6	0.91	m_e mb	6.2
ROTZ	80.05		P	20:34:18.722	0.3	34.5		5.42		TAS		18.6	0.97	m_e mb	5.0
RUE	77.29		P	20:34:03.087	-0.2	34.5		5.42		TAS		136.1	0.98	m_e mb	6.0
STU	82.00		P	20:34:28.768	-0.1	34.5		5.42		TAS		362.0	0.84	m_e mb	6.5
TANN	79.43		P	20:34:14.902	-0.1	34.5		5.42		TAS				m_e	

TNS	81.08	P	20:34:23.462	-0.2	34.5	5.42	TAS	62.4	0.98	m_e	mb	5.6
UBR	82.56	P	20:34:31.810	-0.2	34.5	5.42	TAS	21.0	0.76	m_e	mb	5.4
WERD	79.46	P	20:34:15.185	0.0	34.5	5.42	TAS	39.0	0.93	m_e	mb	5.4
WERD	79.46	pP	20:34:34.738				T__				m_e	
WERN	79.56	P	20:34:15.832	0.1	34.5	5.42	TAS	52.6	0.85	m_e	mb	5.5
WET	80.29	P	20:34:20.137	0.4	34.5	5.42	TAS	106.4	0.96	m_e	mb	5.7
WLF	82.35	P	20:34:30.466	0.0	34.5	5.42	TAS	34.3	0.87	m_e	mb	5.5

Event 70926006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/26	21:29:07.01			-23.5760	179.9560				575.8	4.4		18		148.69	154.42	m i ke	BGR
	70926012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	154.42		PKPab	21:48:21.630		19.3		2.22		TAS				m_e	
BRG	150.67		PKPbc	21:47:56.714	0.1	19.3		2.22		TAS				m_e	
BRG	150.67		PKPab	21:48:07.048		19.3		2.22		TAS				m_e	
BRG	150.67		pPKPbc	21:50:09.154						T__				m_e	
BSEG	148.69		PKPbc	21:47:51.819	-0.1	19.3		2.22		TAS				m_e	
BSEG	148.69		PKPab	21:47:58.176		19.3		2.22		TAS				m_e	
CLL	150.53		PKPbc	21:47:56.095	-0.1	19.3		2.22		TAS				m_e	
CLL	150.53		PKPab	21:48:05.680		19.3		2.22		TAS				m_e	
CLL	150.53		pPKPbc	21:50:08.205						T__				m_e	
CLZ	150.66		PKPbc	21:47:56.376	0.1	19.3		2.22		TAS				m_e	
CLZ	150.66		PKPab	21:48:06.439		19.3		2.22		TAS				m_e	
CLZ	150.66		pPKPbc	21:50:07.806						T__				m_e	
FBE	150.79		PKPbc	21:47:56.939	0.1	19.3		2.22		TAS				m_e	
FBE	150.79		PKPab	21:48:07.052		19.3		2.22		TAS				m_e	
FBE	150.79		pPKPbc	21:50:09.568						T__				m_e	
FLT1	150.02		PKPbc	21:47:54.745	-0.2	19.3		2.22		TAS				m_e	
FLT1	150.02		PKPab	21:48:03.109		19.3		2.22		TAS				m_e	
FUR	153.86		PKPab	21:48:20.093		19.3		2.22		TAS				m_e	
GEC2	152.54		PKPbc	21:48:00.652	0.3	19.3		2.22		TAS				m_e	
GRA1	152.47		PKPbc	21:48:00.146	-0.3	19.3		2.22		TAS				m_e	
GUNZ	151.57		PKPbc	21:47:58.739	0.2	19.3		2.22		TAS				m_e	
GUNZ	151.57		PKPab	21:48:10.263		19.3		2.22		TAS				m_e	
KAST	151.65		PKPbc	21:47:58.458	-0.0	19.3		2.22		TAS				m_e	
MOX	151.50		PKPbc	21:47:58.008	-0.2	19.3		2.22		TAS				m_e	
MOX	151.50		PKPab	21:48:09.785		19.3		2.22		TAS				m_e	
NRDL	150.10		PKPbc	21:47:54.970	-0.1	19.3		2.22		TAS				m_e	
NRDL	150.10		pPKPbc	21:50:07.756						T__				m_e	
ROTZ	152.15		PKPbc	21:47:59.639	-0.2	19.3		2.22		TAS				m_e	
RUE	149.27		PKPbc	21:47:53.507	0.1	19.3		2.22		TAS				m_e	

TANN	151.49	PKPbc	21:47:58.458	0.1	19.3	2.22	TAS	m_e
TANN	151.49	PKPab	21:48:09.814		19.3	2.22	TAS	m_e
TNS	152.59	PKPbc	21:48:00.678		19.3	2.22	TAS	m_e
WERD	151.50	PKPbc	21:47:58.345	0.0	19.3	2.22	TAS	m_e
WERD	151.50	PKPab	21:48:09.987		19.3	2.22	TAS	m_e
WERN	151.63	PKPbc	21:47:58.754	0.5	19.3	2.22	TAS	m_e
WERN	151.63	PKPab	21:48:10.457		19.3	2.22	TAS	m_e
WERN	151.63	pPKPbc	21:50:11.100				T__	m_e
WET	152.52	PKPbc	21:48:00.502	0.5	19.3	2.22	TAS	m_e

Event 70928003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/28	07:11:39.81			37.4320	142.7490				33.0					83.25	83.25	m i ke	BGR
OrigID 70928009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70928009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.25		P	07:24:01.813		41.6		4.57		TAS		13.8	0.79	m_e mb	5.2

Event 70928005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/28	22:55:27.100			34.3790	142.1870				33.0					85.68	85.68	m i ke	BGR
OrigID 70928011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70928011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.68		P	23:08:02.363		36.5		3.89		TAS		7.7	0.97	m_e mb	4.8

Event 70928006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/28	23:11:16.67			-23.9320	-179.1260				493.1	3.1		20		149.21	154.94	m i ke	BGR
OrigID 70928012																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	150.86		PKPbc	23:30:17.719	-0.1	21.2		2.17		TAS					m_e	
ASSE	150.86		pPKPbc	23:32:14.132	0.1					T__					m_e	
BFO	154.94		PKPbc	23:30:26.743	0.1	21.2		2.17		TAS					m_e	
BRG	151.26		PKPbc	23:30:19.016	0.1	21.2		2.17		TAS					m_e	
BRG	151.26		pPKPbc	23:32:15.384	0.1					T__					m_e	
BSEG	149.21		PKPbc	23:30:14.368	0.1	21.2		2.17		TAS					m_e	
CLL	151.11		PKPbc	23:30:18.120	0.1	21.2		2.17		TAS					m_e	
CLZ	151.20		PKPbc	23:30:18.650	0.1	21.2		2.17		TAS					m_e	
FBE	151.38		PKPbc	23:30:18.949	-0.3	21.2		2.17		TAS					m_e	
FLT1	150.56		PKPbc	23:30:16.530	-0.1	21.2		2.17		TAS					m_e	
GEC2	153.15		PKPbc	23:30:22.510	0.1	21.2		2.17		TAS					m_e	
GTTG	151.56		PKPbc	23:30:18.981	-0.4	21.2		2.17		TAS					m_e	
GUNZ	152.15		PKPbc	23:30:20.462	-0.5	21.2		2.17		TAS					m_e	
IBBN	151.18		PKPbc	23:30:18.806	-0.1	21.2		2.17		TAS					m_e	
KAST	152.16		PKPbc	23:30:20.313	0.2	21.2		2.17		TAS					m_e	
KAST	152.16		pPKPbc	23:32:17.012	0.1					T__					m_e	
MANZ	152.55		PKPbc	23:30:20.854	0.3	21.2		2.17		TAS					m_e	
MOX	152.06		PKPbc	23:30:20.211	0.0	21.2		2.17		TAS					m_e	
NEUB	151.51		PKPbc	23:30:19.340	0.1	21.2		2.17		TAS					m_e	
NEUB	151.51		pPKPbc	23:32:15.595	0.1					T__					m_e	
NRDL	150.62		PKPbc	23:30:17.611	0.1	21.2		2.17		TAS					m_e	
ROTZ	152.73		PKPbc	23:30:21.180	0.1	21.2		2.17		TAS					m_e	
ROTZ	152.73		pPKPbc	23:32:18.146	0.1					T__					m_e	
RUE	149.85		PKPbc	23:30:15.557	0.4	21.2		2.17		TAS					m_e	
TANN	152.07		PKPbc	23:30:20.404	0.3	21.2		2.17		TAS					m_e	
TANN	152.07		pPKPbc	23:32:16.823	0.1					T__					m_e	
TNS	153.10		PKPbc	23:30:22.776		21.2		2.17		TAS					m_e	
WERD	152.08		PKPbc	23:30:20.733	0.1	21.2		2.17		TAS					m_e	
WERD	152.08		pPKPbc	23:32:16.510	0.1					T__					m_e	
WERN	152.21		PKPbc	23:30:21.070		21.2		2.17		TAS					m_e	
WET	153.12		PKPbc	23:30:22.937		21.2		2.17		TAS					m_e	
WLF	153.98		PKPbc	23:30:25.178		21.2		2.17		TAS					m_e	

Event 70929002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/29	01:22:43.05			52.3270	-167.9780				33.0					78.36	78.36	m i ke	BGR
70929008																	

Magnitude Err Nsta Author OrigID  
 mb 5.0 BGR 70929008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 78.36 P 01:34:38.466 2.4 4.93 TAS 13.3 1.02 m\_e mb 5.0

Event 70929003 Mexico-Guatemala border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/09/29 04:00:31.01 15.3920 -92.5260 33.0 34 83.63 88.86 m i ke BGR
70929009

Magnitude Err Nsta Author OrigID
mb 6.2 BGR 70929009
MBB 6.4 BGR 70929009
Ms 5.5 BGR 70929009

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists various station data points including ASSE, BFO, BRG, BSEG, BUG, CLL, CLZ, FBE, FLT1, FUR, GEC2, GOR1, GRA1, GTTG, GUNZ, HLG, IBBN, KAST, MANZ, MOX, NEUB, NRDL, PLN, RETH, RGN, ROTZ, STU, TANN, TNS, UBR, and WERD.

WERN	87.52	P	04:13:14.742	0.0	290.3	4.85	TAS	244.2	1.82	a_e mb	6.2
WET	88.24	P	04:13:18.442	0.2	290.3	4.85	TAS	465.1	2.50	a_e MBB	6.4
WLF	83.92	P	04:12:57.392	0.1	290.3	4.85	TAS	518.3	1.55	m_e MBB	6.7

Event 70929004 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/29	04:33:14.30			14.8700	-94.1400				20.0					88.42	88.42	m i ke	EMSC
OrigID 70929036																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70929010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.42		P	04:46:05.378		291.1		5.49		TAS		11.6	1.06	m_e mb	5.1

Event 70929009 Southeastern Uzbekistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/29	13:50:01.07			40.3400	68.7190				33.0					40.80	40.80	m i ke	BGR
OrigID 70929015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70929015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	40.80		P	13:57:38.472		89.6		7.45		TAS		50.6	1.42	m_e mb	5.1

Event 70929011 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/29	19:24:59.68			53.4400	162.5330				33.0					74.43	74.43	m i ke	BGR
OrigID 70929017																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70929017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	74.43		P	19:36:32.814		17.4		4.98		TAS		19.1	1.24	m_e mb	5.0

Event 70929012 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/29	20:30:59.70			14.8400	-94.2600				15.0					88.52	88.52	m i ke	EMSC
OrigID 70929044																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	70929018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.52		P	20:43:53.605		291.2		4.93		TAS		56.4	2.08	m_e mb	5.4

Event 70929013 Near coast of Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/29	21:50:50.40			15.2100	-94.0800				60.0					88.12	88.12	m i ke	EMSC
OrigID 70929045																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70929019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.12		P	22:03:36.235		291.3		5.26		TAS		5.6	0.99	m_e mb	4.9

Event 70930002 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/30	06:14:37.40			32.3000	105.0000				10.0					68.40	68.40	m i ke	EMSC
OrigID 70930034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70930008
Ms	4.9		BGR	70930008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	68.40		P	06:25:38.794		65.3		5.80		TAS		67.3	1.59	m_e mb	5.6
GRA1	68.40		PP	06:28:06.906		62.4		7.98		TAS				m_e	
GRA1	68.40		L	06:56:51.292						T__		663.9	18.50	a_e Ms	4.9

Event 70930004 North of Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/09/30	23:15:30.00			3.9400	128.5400				33.0					104.21	104.21	m i ke neic	
70930071																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	104.21		Pdiff	23:29:33.000						T__					m_e