

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

(produced by SZO/BGR - HANNOVER)

July 2017

UPDATED 22.August 2019

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

Event 70701002 Switzerland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/01	08:10:34.17	0.30	1.08	46.4650	7.0900	4.4	3.3	167	10.0				40 280	0.96	6.45	m i ke	BGR
OrigID 70701008																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.6		BGR	70701008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	3.44		Sg	08:12:22.341	-1.0					T__				m_e	
ABH	3.44		Pn	08:11:26.342	-0.1					T__				m_e	
ABH	3.44		Pg	08:11:37.605	-1.3					T__				m_e	
AHRW	4.08		Pn	08:11:34.945	-0.1					T__				m_e ML	4.5
AHRW	4.08		Pg	08:11:48.034	-2.9					T__				m_e	
BALST	0.96		Sg	08:11:06.415	1.5					T__				m_e	
BALST	0.96		Pn	08:10:52.244	-0.8					T__				m_e	
BERGE	1.59		Sg	08:11:24.372	-0.4					T__				m_e	
BERGE	1.59		Pn	08:11:01.085	-0.4					T__				m_e	
BERGE	1.59		Pg	08:11:04.014	-0.1					T__				m_e	
BFO	2.05		Pn	08:11:06.945	-0.7					T__				m_e ML	4.2
BFO	2.05		Pg	08:11:12.247	-0.5					T__				m_e	
BUG	4.98		Sn	08:12:44.329	4.1					T__				m_e	
BUG	4.98		Pn	08:11:48.800	1.6					T__				m_e ML	4.4
CLZ	5.80		Pn	08:11:57.994	-0.2					T__				m_e ML	4.8
ECH	1.75		Pn	08:11:03.566	-0.1					T__				m_e	
EMING	1.87		Sg	08:11:33.331	-0.1					T__				m_e	
EMING	1.87		Pn	08:11:05.060	-0.2					T__				m_e	
EMING	1.87		Pg	08:11:09.066	-0.3					T__				m_e	
FUR	3.32		Sg	08:12:20.155	0.8					T__				m_e	
FUR	3.32		Pn	08:11:26.029	1.3					T__				m_e ML	4.7

FUR	3.32	Pg	08:11:35.162	-1.4	T__	m_e		
GEC2	5.06	Pn	08:11:49.427	1.1	T__	m_e		
GEC2	5.06	Pg	08:12:07.475	-2.0	T__	m_e		
GRA1	4.25	Sg	08:12:48.479	-0.6	T__	m_e		
GRA1	4.25	Pn	08:11:36.205	-1.2	T__	m_e	ML	4.9
GRA1	4.25	Pg	08:11:53.958	-0.3	T__	m_e		
GRFO	4.25	Sg	08:12:47.406	2.0	T__	m_e		
GRFO	4.25	Pn	08:11:36.389	-1.0	T__	m_e		
GRFO	4.25	Pg	08:11:53.884	-0.3	T__	m_e		
GUNZ	5.23	Sg	08:13:21.202	1.0	T__	m_e		
GUNZ	5.23	Pn	08:11:49.264	-1.4	T__	m_e	ML	4.7
IBBN	5.86	Pn	08:12:00.526	1.4	T__	m_e	ML	4.6
KAST	4.82	Pn	08:11:45.838	0.8	T__	m_e	ML	4.3
KTD	2.93	Pn	08:11:19.453	-0.2	T__	m_e		
LDE	2.80	Pn	08:11:17.638	-0.2	T__	m_e		
METMA	1.48	Sn	08:11:18.756	0.4	T__	m_e		
METMA	1.48	Sg	08:11:21.116	-0.1	T__	m_e		
METMA	1.48	Pn	08:10:59.586	-0.4	T__	m_e		
MILB	3.67	Sg	08:12:31.346	0.6	T__	m_e		
MILB	3.67	Pn	08:11:28.508	-1.1	T__	m_e		
MILB	3.67	Pg	08:11:42.322	-1.0	T__	m_e		
MOX	5.15	Pn	08:11:47.902	-1.6	T__	m_e	ML	4.5
NEUB	5.65	Pg	08:12:20.274	-0.2	T__	m_e	ML	5.0
NORI	3.29	Sg	08:12:19.504	1.0	T__	m_e		
NORI	3.29	Pn	08:11:23.907	-0.5	T__	m_e		
OBER	2.39	Sg	08:11:50.082	0.1	T__	m_e		
OBER	2.39	Pn	08:11:13.877	1.6	T__	m_e		
OBER	2.39	Pg	08:11:18.898	-0.3	T__	m_e		
PLONS	1.68	Sg	08:11:28.747	1.2	T__	m_e		
PLONS	1.68	Pn	08:11:04.421	1.7	T__	m_e		
PLONS	1.68	Pg	08:11:06.487	0.7	T__	m_e		
RETH	6.45	Pn	08:12:08.336	1.3	T__	m_e		
RIVT	3.25	Sn	08:12:02.147	2.3	T__	m_e		
RIVT	3.25	Pn	08:11:24.994	1.1	T__	m_e		
RIVT	3.25	Pg	08:11:34.557	-0.8	T__	m_e		
ROTT	2.76	Pn	08:11:17.334	0.1	T__	m_e		
ROTT	2.76	Pg	08:11:26.727	0.6	T__	m_e		
ROTZ	4.76	Sg	08:13:04.809	-0.3	T__	m_e		
ROTZ	4.76	Pn	08:11:43.189	-1.1	T__	m_e	ML	4.5
ROTZ	4.76	Pg	08:12:02.550	-1.2	T__	m_e		
SLE	1.61	Sg	08:11:25.418	-0.1	T__	m_e		
SLE	1.61	Pn	08:11:01.534	-0.3	T__	m_e		
SLE	1.61	Pg	08:11:04.504	-0.1	T__	m_e		
STU	2.71	Sg	08:11:59.795	-0.4	T__	m_e		
STU	2.71	Pn	08:11:15.636	-1.0	T__	m_e	ML	4.6
SULZ	1.27	Sg	08:11:14.500	-0.2	T__	m_e		
SULZ	1.27	Pn	08:10:57.310	0.1	T__	m_e		
SULZ	1.27	Pg	08:10:58.850	0.6	T__	m_e		
TNS	3.87	Sn	08:12:17.295	3.1	T__	m_e		

TNS	3.87	Sg	08:12:35.643	-1.2	T__	m_e		
TNS	3.87	Pn	08:11:32.312	0.1	T__	m_e ML	4.5	
UBR	2.39	Sg	08:11:50.774	0.6	T__	m_e		
UBR	2.39	Pn	08:11:13.465	1.1	T__	m_e ML	4.5	
UBR	2.39	Pg	08:11:19.259	0.0	T__	m_e		
WALHA	1.89	Sg	08:11:34.673	0.3	T__	m_e		
WALHA	1.89	Pn	08:11:05.752	0.1	T__	m_e		
WALHA	1.89	Pg	08:11:09.131	-0.7	T__	m_e		
WERD	5.28	Pn	08:11:50.485	-0.8	T__	m_e ML	4.5	
WERD	5.28	Pg	08:12:13.544	-0.1	T__	m_e		
WERN	5.20	Sg	08:13:18.081	-1.0	T__	m_e		
WERN	5.20	Pn	08:11:49.123	-1.0	T__	m_e ML	4.6	
WERN	5.20	Pg	08:12:11.961	-0.0	T__	m_e		
WET	4.73	Sn	08:12:35.944	1.5	T__	m_e		
WET	4.73	Sg	08:13:03.375	-0.9	T__	m_e		
WET	4.73	Pn	08:11:44.247	0.4	T__	m_e ML	4.5	
WET	4.73	Pg	08:12:03.325	0.1	T__	m_e		
WILA	1.57	Sg	08:11:24.791	0.8	T__	m_e		
WILA	1.57	Pn	08:11:01.923	0.7	T__	m_e		
WILA	1.57	Pg	08:11:03.648	-0.1	T__	m_e		
WLF	3.26	Sg	08:12:17.176	-0.5	T__	m_e		
WLF	3.26	Pn	08:11:25.786	1.7	T__	m_e ML	4.6	
WLF	3.26	Pg	08:11:34.749	-0.8	T__	m_e		

Event 70701006 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/01	14:45:45.21			41.6860	143.6360				33.0			19		76.68	82.06	m i ke	BGR
70701012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70701012
Ms	5.0		BGR	70701012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.61		P	14:57:51.823		34.1		5.43		TAS		96.2	2.07	m_e	mb 5.5
BFO	82.06		P	14:57:59.838		34.1		5.43		TAS		48.4	1.81	m_e	mb 5.3
BRG	77.91		P	14:57:37.502	0.2	34.1		5.43		TAS		28.3	1.74	m_e	mb 5.1
BSEG	76.68		P	14:57:30.755	0.1	34.1		5.43		TAS		18.3	1.29	m_e	mb 5.1
CLL	77.90		P	14:57:37.270	-0.3	34.1		5.43		TAS		81.4	2.29	m_e	mb 5.5
CLZ	78.40		P	14:57:40.760	-0.1	34.1		5.43		TAS		61.5	1.76	m_e	mb 5.4
FBE	78.09		P	14:57:38.200	0.8	34.1		5.43		TAS		77.8	2.06	m_e	mb 5.5
GEC2	79.64		P	14:57:47.333		34.1		5.43		TAS		61.1	2.62	m_e	mb 5.1
GOR1	77.12		P	14:57:33.314	-0.1	34.1		5.43		TAS		48.3	1.36	m_e	mb 5.5
GRA1	79.88		P	14:57:49.259		34.1		5.43		TAS		149.5	2.31	m_e	mb 5.5
GRA1	79.88		L	15:35:31.432						T__		686.1	19.30	a_e	Ms 5.0

GTTG	78.78	P	14:57:42.854	-0.5	34.1	5.43	TAS	74.5	1.98	m_e	mb	5.4
GUNZ	78.92	P	14:57:42.854		34.1	5.43	TAS	32.2	1.92	m_e	mb	5.0
IBBN	78.88	P	14:57:43.129	-0.4	34.1	5.43	TAS	120.1	1.99	m_e	mb	5.6
MOX	78.95	P	14:57:43.230	-0.4	34.1	5.43	TAS	28.3	1.79	m_e	mb	5.0
MOX	78.95	L	15:34:52.741				T__	824.7	19.10	a_e	Ms	5.1
NRDL	77.94	P	14:57:37.735	0.5	34.1	5.43	TAS	36.2	1.66	m_e	mb	5.2
RETH	77.99	P	14:57:38.200	0.2	34.1	5.43	TAS	46.8	1.68	m_e	mb	5.3
ROTZ	79.46	P	14:57:46.344		34.1	5.43	TAS	24.9	2.41	m_e	mb	4.8
TNS	80.42	P	14:57:51.240		34.1	5.43	TAS	23.3	1.53	m_e	mb	4.9
WERD	78.86	P	14:57:43.073		34.1	5.43	TAS	25.2	1.91	m_e	mb	4.9

Event 70705002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/05	06:10:12.45			-22.0300	174.0560				33.0			15		145.84	151.34	m i ke	BGR
OrigID 70705008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.0		BGR	70705008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	147.28		PKPbc	06:29:52.541		32.3		2.65		TAS				m_e		
BSEG	145.84		PKPbc	06:29:48.607	-0.2	32.3		2.65		TAS				m_e		
CLL	147.26		PKPbc	06:29:52.358	-0.6	32.3		2.65		TAS				m_e		
CLZ	147.67		PKPbc	06:29:54.554	0.4	32.3		2.65		TAS				m_e		
FBE	147.46		PKPbc	06:29:53.639		32.3		2.65		TAS				m_e		
FLT1	146.98		PKPbc	06:29:51.901	0.2	32.3		2.65		TAS				m_e		
GEC2	149.01		PKPbc	06:29:57.573		32.3		2.65		TAS				m_e		
GRA1	149.24	L		07:36:43.046						T__		24.4	21.70	a_e	Ms	4.0
GUNZ	148.29		PKPbc	06:29:55.743		32.3		2.65		TAS				m_e		
MOX	148.30	L		07:37:36.815						T__		31.9	18.80	a_e	Ms	4.1
RETH	147.16		PKPbc	06:29:52.907	-0.5	32.3		2.65		TAS				m_e		
RJOB	150.26		PKPbc	06:30:00.317		32.3		2.65		TAS				m_e		
ROTZ	148.83		PKPbc	06:29:57.390		32.3		2.65		TAS				m_e		
UBR	151.34		PKPbc	06:30:03.245		32.3		2.65		TAS				m_e		
WERD	148.22		PKPbc	06:29:55.652		32.3		2.65		TAS				m_e		
WERN	148.33		PKPbc	06:29:56.201		32.3		2.65		TAS				m_e		
WET	149.09		PKPbc	06:29:57.756		32.3		2.65		TAS				m_e		

Event 70705009 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/05	23:29:45.51			-21.0610	-173.2640				33.0			29		147.07	153.31	m i ke	BGR
OrigID																	

70705015

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	70705015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.84		PKPbc	23:49:29.086	0.1	8.7		2.45		TAS				m_e	
BFO	152.76		PKPbc	23:49:38.597		8.7		2.45		TAS				m_e	
BRG	149.71		PKPbc	23:49:31.361	0.0	8.7		2.45		TAS				m_e	
BSEG	147.07		PKPbc	23:49:24.331	-0.4	8.7		2.45		TAS				m_e	
BUG	149.68		PKPbc	23:49:31.257	0.4	8.7		2.45		TAS				m_e	
CLL	149.42		PKPbc	23:49:30.637	0.1	8.7		2.45		TAS				m_e	
CLZ	149.15		PKPbc	23:49:30.224	-0.2	8.7		2.45		TAS				m_e	
FBE	149.75		PKPbc	23:49:31.878	-0.0	8.7		2.45		TAS				m_e	
FLT1	148.59		PKPbc	23:49:28.259	0.3	8.7		2.45		TAS				m_e	
GEC2	151.72		PKPbc	23:49:36.013	-0.3	8.7		2.45		TAS				m_e	
GOR1	147.93		PKPbc	23:49:27.019	-0.2	8.7		2.45		TAS				m_e	
GRA1	151.21		PKPbc	23:49:35.392	-0.2	8.7		2.45		TAS				m_e	
GRA1	151.21		L	00:58:07.452						T__		134.6	20.60	a_e Ms	4.7
GTTG	149.47		PKPbc	23:49:30.844	0.1	8.7		2.45		TAS				m_e	
GUNZ	150.43		PKPbc	23:49:33.428	0.2	8.7		2.45		TAS				m_e	
IBBN	148.80		PKPbc	23:49:28.983	-0.0	8.7		2.45		TAS				m_e	
KAST	149.89		PKPbc	23:49:32.188	0.5	8.7		2.45		TAS				m_e	
MOX	150.23		PKPbc	23:49:32.498	0.4	8.7		2.45		TAS				m_e	
MOX	150.23		L	00:57:16.040						T__		109.1	21.30	a_e Ms	4.6
NEUB	149.67		PKPbc	23:49:31.257	0.0	8.7		2.45		TAS				m_e	
NRDL	148.52		PKPbc	23:49:28.156	-0.3	8.7		2.45		TAS				m_e	
RETH	148.31		PKPbc	23:49:27.536	-0.2	8.7		2.45		TAS				m_e	
RJOB	152.94		PKPbc	23:49:38.494		8.7		2.45		TAS				m_e	
ROTZ	151.03		PKPbc	23:49:34.669	0.0	8.7		2.45		TAS				m_e	
RUE	148.17		PKPbc	23:49:27.329	-0.2	8.7		2.45		TAS				m_e	
TNS	150.87		PKPbc	23:49:34.152	0.5	8.7		2.45		TAS				m_e	
UBR	153.31		PKPbc	23:49:39.734		8.7		2.45		TAS				m_e	
WERD	150.35		PKPbc	23:49:32.808	-0.1	8.7		2.45		TAS				m_e	
WERN	150.50		PKPbc	23:49:33.532	0.5	8.7		2.45		TAS				m_e	
WET	151.55		PKPbc	23:49:35.806	-0.7	8.7		2.45		TAS				m_e	
WLF	151.45		PKPbc	23:49:36.426	-0.3	8.7		2.45		TAS				m_e	

Event 70706002 Montana, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/06	06:30:24.70			48.0400	-112.4100				17.9	2.6		10		67.46	73.39	m i ke	BGR
70706008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70706008

Ms 5.7 BGR 70706008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	69.03		P	06:41:27.388	0.0	323.8		6.12		TAS				m_e	
BFO	71.14		P	06:41:40.181		323.8		6.12		TAS		15.4	1.04	m_e mb	5.1
BRG	71.25		P	06:41:40.883	-0.2	323.8		6.12		TAS		61.3	2.06	m_e mb	5.4
BSEG	67.46		P	06:41:18.110	0.7	323.8		6.12		TAS				m_e	
CLZ	69.15		P	06:41:28.513	0.1	323.8		6.12		TAS		36.0	1.60	m_e mb	5.4
CLZ	69.15		pP	06:41:33.622	0.0	325.0		6.06		TAS				m_e	
FBE	70.99		P	06:41:39.478	-0.1	323.8		6.12		TAS		29.7	1.62	m_e mb	5.2
FLT1	69.07		P	06:41:27.107	0.4	323.8		6.12		TAS		28.3	1.77	m_e mb	5.2
FLT1	69.07		pP	06:41:32.356	0.2	325.0		6.06		TAS				m_e	
GEC2	72.83		P	06:41:50.302		323.8		6.12		TAS		26.4	1.65	m_e mb	5.1
GRA1	71.19		L	07:13:35.611						T__		5398.4	21.00	a_e Ms	5.8
GUNZ	71.07		P	06:41:39.899	0.1	323.8		6.12		TAS		16.1	1.47	m_e mb	4.9
IBBN	67.78		P	06:41:19.234	-0.0	323.8		6.12		TAS				m_e	
IBBN	67.78		pP	06:41:25.040	-0.1	325.0		6.06		TAS				m_e	
KAST	68.91		P	06:41:26.685	-0.0	323.8		6.12		TAS		9.9	1.59	m_e mb	4.8
KAST	68.91		pP	06:41:31.799		325.0		6.06		TAS				m_e	
MOX	70.57		P	06:41:37.088	0.1	323.8		6.12		TAS		29.1	1.60	m_e mb	5.2
MOX	70.57		pP	06:41:42.072		325.0		6.06		TAS				m_e	
MOX	70.57		L	07:12:56.269						T__		3742.1	19.90	a_e Ms	5.6
NRDL	68.53		P	06:41:24.014	-0.6	323.8		6.12		TAS		74.6	1.85	m_e mb	5.6
NRDL	68.53		pP	06:41:29.582	0.4	325.0		6.06		TAS				m_e	
RETH	68.06		P	06:41:22.186	-0.6	323.8		6.12		TAS		129.3	2.05	m_e mb	5.8
RETH	68.06		pP	06:41:26.499	-0.3	325.0		6.06		TAS				m_e	
RJOB	73.39		P	06:41:54.238		323.8		6.12		TAS		9.7	1.17	m_e mb	4.8
ROTZ	71.51		P	06:41:42.430		323.8		6.12		TAS		5.5	1.64	m_e mb	4.4
ROTZ	71.51		pP	06:41:47.544		325.0		6.06		TAS				m_e	
TNS	69.69		P	06:41:31.425		323.8		6.12		TAS		44.4	2.10	m_e mb	5.2
UBR	72.38		P	06:41:48.194		323.8		6.12		TAS		59.5	1.73	m_e mb	5.4
WERD	70.99		P	06:41:39.478	-0.1	323.8		6.12		TAS		18.9	1.82	m_e mb	4.9
WERD	70.99		pP	06:41:44.118		325.0		6.06		TAS				m_e	
WERN	71.15		P	06:41:40.602	0.3	323.8		6.12		TAS		41.7	1.75	m_e mb	5.3
WERN	71.15		pP	06:41:45.339		325.0		6.06		TAS				m_e	
WET	72.27		P	06:41:47.350		323.8		6.12		TAS		27.8	1.91	m_e mb	5.1

Event 70706004 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/06	08:04:18.96			14.5360	121.9810				33.0			19		89.83	94.85	m i ke	BGR
70706010																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	70706010
Ms	6.8		BGR	70706010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	91.18		P	08:17:20.674	0.3	64.9		4.62		TAS		216.2	1.90	m_e	mb	6.2
BRG	89.83		P	08:17:14.370	-0.0	64.9		4.62		TAS		279.9	1.84	m_e	mb	6.2
CLL	90.20		P	08:17:15.883	0.3	64.9		4.62		TAS		243.2	1.83	m_e	mb	6.1
CLZ	91.47		P	08:17:22.440	0.1	64.9		4.62		TAS		399.1	2.04	m_e	mb	6.4
FLT1	90.78		P	08:17:18.279	0.0	64.9		4.62		TAS		197.6	1.86	m_e	mb	6.1
GEC2	90.77		P	08:17:19.035		64.9		4.62		TAS		293.5	1.96	m_e	mb	6.3
GRA1	91.91		L	09:08:17.771						T__		29710.0	18.40	a_e	Ms	6.8
GUNZ	90.98		P	08:17:19.918		64.9		4.62		TAS		282.1	1.89	m_e	mb	6.3
KAST	92.85		P	08:17:28.240	0.3	64.9		4.62		TAS		203.9	1.85	m_e	mb	6.2
MOX	91.27		P	08:17:21.179	-0.6	64.9		4.62		TAS		238.1	1.89	m_e	mb	6.2
MOX	91.27		L	09:00:38.617						T__		34671.0	22.00	a_e	Ms	6.8
NRDL	91.33		P	08:17:21.935	-0.3	64.9		4.62		TAS		324.2	1.83	m_e	mb	6.3
RETH	91.63		P	08:17:22.314	0.4	64.9		4.62		TAS		268.4	1.84	m_e	mb	6.3
RJOB	91.77		P	08:17:23.448		64.9		4.62		TAS		306.9	2.19	m_e	mb	6.2
ROTZ	91.29		P	08:17:21.557		64.9		4.62		TAS		61.7	1.85	m_e	mb	5.6
TNS	93.28		P	08:17:30.510		64.9		4.62		TAS		201.7	1.83	m_e	mb	6.2
UBR	93.44		P	08:17:30.636		64.9		4.62		TAS		271.0	1.93	m_e	mb	6.3
WERD	90.96		P	08:17:20.044		64.9		4.62		TAS		210.9	1.83	m_e	mb	6.2
WERN	90.98		P	08:17:20.548		64.9		4.62		TAS		219.2	1.86	m_e	mb	6.2
WET	91.15		P	08:17:20.170		64.9		4.62		TAS		211.5	1.85	m_e	mb	6.2
WLF	94.85		P	08:17:37.949		64.9		4.62		TAS		349.8	1.90	m_e	mb	6.5

Event 70706011 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
2017/07/06	23:02:54.24			54.3140	160.1040				33.0			31		68.10	75.26	m i ke	BGR
70706017																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	70706017
Ms	4.1		BGR	70706017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.10		P	23:14:18.078	-1.0	18.4		5.94		TAS		39.0	1.18	a_e	mb	5.4
ASSE	70.91		P	23:14:06.228	0.1	18.4		5.94		TAS		49.4	1.33	a_e	mb	5.5
BFO	74.99		P	23:14:30.028	-0.4	18.4		5.94		TAS				a_e		
BRG	71.42		P	23:14:08.878	-0.3	18.4		5.94		TAS		34.2	1.20	m_e	mb	5.4
BSEG	69.26		P	23:13:56.428	0.1	18.4		5.94		TAS		56.7	1.09	a_e	mb	5.7
BUG	72.20		P	23:14:13.678	-0.0	18.4		5.94		TAS		47.9	0.99	a_e	mb	5.6
CLL	71.22		P	23:14:07.528	-0.5	18.4		5.94		TAS		74.4	1.04	a_e	mb	5.8
CLZ	71.24		P	23:14:08.578	0.5	18.4		5.94		TAS		95.4	1.07	a_e	mb	5.8
FBE	71.51		P	23:14:09.728	0.0	18.4		5.94		TAS		56.3	1.07	a_e	mb	5.6
FLT1	70.61		P	23:14:03.828	-0.6	18.4		5.94		TAS		50.9	1.09	a_e	mb	5.6
FUR	74.56		P	23:14:27.678	-0.2	18.4		5.94		TAS				a_e		

GEC2	73.38	P	23:14:20.778	-0.1	18.4	5.94	TAS			a_e						
GOR1	69.97	P	23:14:00.928	0.4	18.4	5.94	TAS	109.0	1.27	a_e mb						5.8
GRA1	73.12	P	23:14:19.678	0.4	18.4	5.94	TAS			a_e						
GRA1	73.12	L	23:50:18.402				T__	114.0	21.30	a_e Ms						4.1
GUNZ	72.25	P	23:14:14.378	0.2	18.4	5.94	TAS			a_e						
IBBN	71.28	P	23:14:08.428	0.2	18.4	5.94	TAS	88.5	1.22	a_e mb						5.8
KAST	72.22	P	23:14:14.178	0.3	18.4	5.94	TAS	50.6	1.28	a_e mb						5.5
MOX	72.13	P	23:14:13.428	-0.0	18.4	5.94	TAS	36.4	1.05	a_e mb						5.4
MOX	72.13	L	23:49:49.358				T__	112.6	20.80	a_e Ms						4.1
NEUB	71.58	P	23:14:09.928	-0.2	18.4	5.94	TAS	149.2	1.81	a_e mb						5.8
NRDL	70.67	P	23:14:04.678	-0.0	18.4	5.94	TAS	40.3	1.03	a_e mb						5.5
RETH	70.58	P	23:14:04.228	0.1	18.4	5.94	TAS	51.1	1.06	a_e mb						5.6
RGN	68.10	P	23:13:49.328	-0.1	18.4	5.94	TAS	190.8	1.22	a_e mb						6.2
RJOB	74.63	P	23:14:28.428	0.2	18.4	5.94	TAS			a_e						
ROTZ	72.84	P	23:14:17.878	0.2	18.4	5.94	TAS			a_e						
RUE	69.95	P	23:14:00.328	-0.2	18.4	5.94	TAS	106.6	1.14	a_e mb						5.9
TNS	73.15	P	23:14:19.578	0.1	18.4	5.94	TAS			a_e						
UBR	75.26	P	23:14:31.828	-0.2	18.4	5.94	TAS			a_e						
WERD	72.17	P	23:14:13.828	0.1	18.4	5.94	TAS			a_e						
WERN	72.31	P	23:14:14.678	0.2	18.4	5.94	TAS			a_e						
WET	73.28	P	23:14:20.628	0.3	18.4	5.94	TAS			a_e						
WLF	74.10	P	23:14:25.378	0.4	18.4	5.94	TAS			a_e						

Event 70707002 North Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/07	01:42:39.90			58.3300	1.5800				15.0					6.57	9.65	m i ke	EMSC
70707034																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	70707008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	8.43		Pn	01:44:43.084						T__					m_e
ASSE	8.10		Pn	01:44:38.359						T__					m_e
BSEG	6.57		Sn	01:45:28.188						T__					m_e
BSEG	6.57		Pn	01:44:17.213						T__					m_e ML 4.1
BUG	7.64		Sn	01:45:54.472						T__					m_e ML 4.1
CLL	9.63		Pn	01:44:58.680						T__					m_e
CLZ	8.22		Sn	01:46:06.485						T__					m_e
CLZ	8.22		Pn	01:44:39.637						T__					m_e ML 4.3
FLT1	8.15		Sn	01:46:04.860						T__					m_e
FLT1	8.15		Pn	01:44:39.017						T__					m_e ML 4.1
GTTG	8.33		Sn	01:46:10.762						T__					m_e
GTTG	8.33		Pn	01:44:41.961						T__					m_e ML 4.6
IBBN	6.99		Sn	01:45:40.111						T__					m_e ML 4.3

KAST	8.16	Sn	01:46:05.976	T__	m_e		
KAST	8.16	Pn	01:44:40.024	T__	m_e ML	4.0	
MOX	9.65	Pn	01:44:59.880	T__	m_e		
NRDL	7.60	Pn	01:44:31.775	T__	m_e		
RETH	7.13	Pn	01:44:25.733	T__	m_e		
RGN	7.53	Sn	01:45:51.620	T__	m_e ML	4.8	
TNS	9.06	Sn	01:46:28.177	T__	m_e		
TNS	9.06	Pn	01:44:52.677	T__	m_e		

Event 70707010 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
2017/07/07	03:42:51.00			-6.7200	147.9400				40.0			30		121.81	126.55	m i ke	EMSC
	70707042																

Magnitude Err Nsta Author
 Ms 5.7 BGR OrigID 70707016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	125.53		PKPdf	04:01:46.683	-1.1	55.1		1.90		TAS				a_e	
ASSE	122.77		PKPdf	04:01:42.483	0.1	55.1		1.90		TAS				a_e	
BFO	126.26		PKPdf	04:01:48.733	-0.3	55.1		1.90		TAS				a_e	
BFO	126.26		L	04:59:07.595						T__		1433.8	21.20	a_e Ms	5.6
BRG	121.81		PKPdf	04:01:40.533		55.1		1.90		TAS				a_e	
BSEG	121.84		PKPdf	04:01:40.776	0.1	55.1		1.90		TAS				m_e	
BSEG	121.84		L	04:56:58.288						T__		2025.4	20.50	a_e Ms	5.8
BUG	124.86		PKPdf	04:01:46.383	-0.1	55.1		1.90		TAS				a_e	
CLL	122.06		PKPdf	04:01:40.733	0.2	55.1		1.90		TAS				a_e	
CLL	122.06		L	04:56:09.517						T__		2852.0	21.70	a_e Ms	5.9
CLZ	123.09		PKPdf	04:01:43.333	0.0	55.1		1.90		TAS				m_e	
FBE	122.09		PKPdf	04:01:41.333	-0.1	55.1		1.90		TAS				a_e	
FLT1	122.37		PKPdf	04:01:41.383	-0.1	55.1		1.90		TAS				a_e	
FUR	124.75		PKPdf	04:01:46.183	0.0	55.1		1.90		TAS				a_e	
FUR	124.75		L	04:59:58.674						T__		873.0	21.30	a_e Ms	5.4
GEC2	123.03		PKPdf	04:01:42.833	-0.3	55.1		1.90		TAS				a_e	
GEC2	123.03		L	04:57:59.624						T__		1950.6	21.10	a_e Ms	5.7
GOR1	121.94		PKPdf	04:01:41.083	-0.3	55.1		1.90		TAS				a_e	
GRA1	123.92		PKPdf	04:01:44.583	-0.0	55.1		1.90		TAS				a_e	
GRA1	123.92		L	04:57:27.124						T__		2045.9	21.80	a_e Ms	5.7
GTTG	123.47		PKPdf	04:01:43.983	0.2	55.1		1.90		TAS				a_e	
GUNZ	122.94		PKPdf	04:01:42.883	0.0	55.1		1.90		TAS				a_e	
IBBN	124.07		PKPdf	04:01:45.033	-0.0	55.1		1.90		TAS				a_e	
KAST	124.45		PKPdf	04:01:45.833	0.1	55.1		1.90		TAS				a_e	
MOX	123.16		PKPdf	04:01:43.133	0.2	55.1		1.90		TAS				a_e	
MOX	123.16		L	04:57:03.167						T__		2070.0	21.50	a_e Ms	5.8
NEUB	122.77		PKPdf	04:01:42.233	-0.1	55.1		1.90		TAS				a_e	

NRDL	122.83	PKPdf	04:01:42.783	0.2	55.1	1.90	TAS	a_e									
RETH	123.03	PKPdf	04:01:43.133	0.2	55.1	1.90	TAS	a_e									
ROTZ	123.34	PKPdf	04:01:43.533	-0.0	55.1	1.90	TAS	a_e									
STU	125.53	PKPdf	04:01:47.733	0.1	55.1	1.90	TAS	a_e									
TNS	125.04	PKPdf	04:01:46.933	0.2	55.1	1.90	TAS	a_e									
TNS	125.04	L	04:57:28.267				T__		4757.2	22.00	a_e	Ms				6.1	
UBR	125.67	PKPdf	04:01:47.833	-0.1	55.1	1.90	TAS	a_e									
WERD	122.91	PKPdf	04:01:42.683	-0.2	55.1	1.90	TAS	a_e									
WERN	122.96	PKPdf	04:01:42.933	0.1	55.1	1.90	TAS	a_e									
WET	123.32	PKPdf	04:01:43.633	0.0	55.1	1.90	TAS	a_e									
WET	123.32	L	04:58:24.853				T__		1149.7	21.20	a_e	Ms				5.5	
WLF	126.55	PKPdf	04:01:50.483	0.8	55.1	1.90	TAS	a_e									

Event 70707011 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/07	12:48:30.58			37.8640	142.7310				33.0				27	79.79	85.09	m i ke	BGR
	70707017																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70707017
Ms	3.9		BGR	70707017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.72		P	13:00:53.783		36.6		5.20		TAS		18.8	0.95	m_e	mb	5.3
ASSE	81.12		P	13:00:40.868	0.2	36.6		5.20		TAS		6.6	0.83	m_e	mb	4.7
BFO	85.09		P	13:01:01.373		36.6		5.20		TAS		38.3	1.11	m_e	mb	5.5
BRG	80.87		P	13:00:39.336	-0.0	36.6		5.20		TAS		11.6	0.80	m_e	mb	5.0
BSEG	79.79		P	13:00:33.977	-0.3	36.6		5.20		TAS		26.5	1.21	m_e	mb	5.0
BUG	82.90		P	13:00:50.086	-0.4	36.6		5.20		TAS		25.4	1.19	a_e	mb	5.3
CLL	80.89		P	13:00:39.236	0.1	36.6		5.20		TAS		29.5	1.02	m_e	mb	5.3
CLZ	81.46		P	13:00:43.021	0.0	36.6		5.20		TAS		28.4	1.25	m_e	mb	5.2
FBE	81.06		P	13:00:40.816	0.3	36.6		5.20		TAS		33.6	1.19	m_e	mb	5.3
FLT1	80.75		P	13:00:38.386	-0.1	36.6		5.20		TAS		21.2	0.79	m_e	mb	5.2
FUR	84.08		P	13:00:56.593		36.6		5.20		TAS		52.3	0.81	m_e	mb	5.8
GEC2	82.55		P	13:00:48.086	0.2	36.6		5.20		TAS		12.1	0.65	a_e	mb	5.3
GRA1	82.87		P	13:00:50.582	0.1	36.6		5.20		TAS		55.2	1.31	m_e	mb	5.6
GRA1	82.87		L	13:45:11.630						T__		52.1	19.10	a_e	Ms	3.9
GTTG	81.85		P	13:00:44.891	0.3	36.6		5.20		TAS		27.2	1.29	m_e	mb	5.2
GUNZ	81.90		P	13:00:44.999	-0.3	36.6		5.20		TAS		11.0	0.88	m_e	mb	5.0
IBBN	82.01		P	13:00:45.702	0.6	36.6		5.20		TAS		31.9	1.09	m_e	mb	5.4
KAST	82.69		P	13:00:49.130	0.3	36.6		5.20		TAS		10.8	1.02	m_e	mb	5.0
MOX	81.95		P	13:00:45.308	0.1	36.6		5.20		TAS		11.3	0.92	m_e	mb	5.0
MOX	81.95		L	13:35:33.250						T__		52.4	21.20	a_e	Ms	3.9
NRDL	81.03		P	13:00:40.327	-0.0	36.6		5.20		TAS		8.4	0.92	m_e	mb	4.8
RETH	81.10		P	13:00:40.886	0.0	36.6		5.20		TAS		22.0	1.03	m_e	mb	5.1

ROTZ	82.43	P	13:00:48.070	-0.0	36.6	5.20	TAS	6.0	1.42	m_e	mb	4.5
STU	84.40	P	13:00:58.071		36.6	5.20	TAS	58.8	0.79	m_e	mb	5.9
TNS	83.49	P	13:00:53.386	-0.2	36.6	5.20	TAS	15.9	1.39	a_e	mb	5.1
UBR	84.93	P	13:01:00.309		36.6	5.20	TAS	9.1	0.63	m_e	mb	5.2
WERD	81.84	P	13:00:44.686	0.2	36.6	5.20	TAS	10.7	1.23	m_e	mb	4.8
WERN	81.95	P	13:00:45.384	0.1	36.6	5.20	TAS	13.8	1.00	m_e	mb	5.0
WET	82.65	P	13:00:49.007	-0.6	36.6	5.20	TAS	12.6	1.01	m_e	mb	5.1

Event 70707012 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/07	20:28:10.10			-24.6300	-178.7500				374.0			10		149.95	153.89	m i ke	NEIC
70707051																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	70707018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	151.62		PKPbc	20:47:20.134	-0.0	20.9		2.14		TAS				m_e		
BRG	152.03		PKPbc	20:47:21.399		20.9		2.14		TAS				m_e		
BSEG	149.95		PKPbc	20:47:16.662	0.3	20.9		2.14		TAS				m_e		
CLL	151.87		PKPbc	20:47:20.799	0.2	20.9		2.14		TAS				m_e		
CLL	151.87		PKPab	20:47:31.473		20.9		2.14		TAS				m_e		
CLZ	151.95		PKPbc	20:47:21.222		20.9		2.14		TAS				m_e		
FBE	152.14		PKPbc	20:47:21.785		20.9		2.14		TAS				m_e		
FBE	152.14		PKPab	20:47:32.669		20.9		2.14		TAS				m_e		
FLT1	151.31		PKPbc	20:47:19.392	-0.2	20.9		2.14		TAS				m_e		
FLT1	151.31		PKPab	20:47:28.799		20.9		2.14		TAS				m_e		
GOR1	150.68		PKPbc	20:47:18.560	-0.1	20.9		2.14		TAS				m_e		
GRA1	153.80		PKPab	20:47:40.283		20.9		2.14		TAS				m_e		
GRA1	153.80		L	21:45:26.648						T__		44.5	21.70	a_e	Ms	4.2
GTTG	152.31		PKPab	20:47:33.595		20.9		2.14		TAS				m_e		
GUNZ	152.91		PKPab	20:47:36.342		20.9		2.14		TAS				m_e		
MOX	152.82		L	21:42:30.130						T__		38.4	19.60	a_e	Ms	4.2
NRDL	151.37		PKPbc	20:47:19.656	0.2	20.9		2.14		TAS				m_e		
RETH	151.27		PKPbc	20:47:19.533	-0.1	20.9		2.14		TAS				m_e		
ROTZ	153.49		PKPab	20:47:38.594		20.9		2.14		TAS				m_e		
WERD	152.84		PKPab	20:47:35.892		20.9		2.14		TAS				m_e		
WERN	152.97		PKPab	20:47:36.483		20.9		2.14		TAS				m_e		
WET	153.89		PKPab	20:47:40.452		20.9		2.14		TAS				m_e		

Event 70708007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2017/07/08 07:27:40.60 -22.5200 173.1200 53.0 29 146.04 151.53 m i ke EMSC
 70708039

Magnitude Err Nsta Author OrigID
 Ms 5.6 BGR 70708013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.49		PKPbc	07:47:17.479	0.3	34.3		2.49		TAS				m_e	
BFO	151.53		PKPbc	07:47:26.893		34.3		2.49		TAS				m_e	
BFO	151.53		L	08:53:23.444						T__		810.4	21.10	a_e Ms	5.5
BRG	147.37		PKPbc	07:47:17.208	-0.1	34.3		2.49		TAS				m_e	
BSEG	146.04		PKPbc	07:47:13.441	-0.3	34.3		2.49		TAS				m_e	
BSEG	146.04		L	08:51:00.909						T__		1062.4	21.60	a_e Ms	5.6
BUG	149.11		PKPbc	07:47:21.576	0.3	34.3		2.49		TAS				m_e	
CLL	147.38		PKPbc	07:47:17.046	0.0	34.3		2.49		TAS				m_e	
CLL	147.38		L	08:56:39.113						T__		1220.9	20.70	a_e Ms	5.7
CLZ	147.83		PKPbc	07:47:18.667	0.1	34.3		2.49		TAS				m_e	
FBE	147.56		PKPbc	07:47:17.929	0.2	34.3		2.49		TAS				m_e	
FLT1	147.14		PKPbc	07:47:16.180	-0.1	34.3		2.49		TAS				m_e	
FUR	150.59		L	08:54:15.780						T__		1258.9	21.70	a_e Ms	5.7
GEC2	149.06		PKPbc	07:47:21.463	0.1	34.3		2.49		TAS				m_e	
GEC2	149.06		L	08:56:46.438						T__		972.0	20.10	a_e Ms	5.6
GOR1	146.55		PKPbc	07:47:15.071	0.0	34.3		2.49		TAS				m_e	
GRA1	149.36		PKPbc	07:47:22.429	-0.0	34.3		2.49		TAS				m_e	
GRA1	149.36		L	08:58:50.585						T__		676.2	22.00	a_e Ms	5.4
GTTG	148.22		PKPbc	07:47:19.613	0.4	34.3		2.49		TAS				m_e	
GUNZ	148.40		PKPbc	07:47:20.149	0.4	34.3		2.49		TAS				m_e	
IBBN	148.20		PKPbc	07:47:19.459	0.2	34.3		2.49		TAS				m_e	
KAST	149.00		PKPbc	07:47:21.310	-0.1	34.3		2.49		TAS				m_e	
MOX	148.43		PKPbc	07:47:19.884	0.1	34.3		2.49		TAS				m_e	
MOX	148.43		L	08:57:26.228						T__		733.2	20.40	a_e Ms	5.5
NEUB	147.91		PKPbc	07:47:18.697	0.3	34.3		2.49		TAS				a_e	
NRDL	147.35		PKPbc	07:47:17.173	-0.2	34.3		2.49		TAS				m_e	
RETH	147.37		PKPbc	07:47:17.076	0.2	34.3		2.49		TAS				m_e	
ROTZ	148.93		PKPbc	07:47:21.232	-0.2	34.3		2.49		TAS				m_e	
RUE	146.15		PKPbc	07:47:13.891	-0.1	34.3		2.49		TAS				m_e	
STU	150.85		PKPbc	07:47:25.841		34.3		2.49		TAS				m_e	
TNS	149.85		PKPbc	07:47:23.589	0.4	34.3		2.49		TAS				m_e	
TNS	149.85		L	08:53:48.910						T__		845.9	21.30	a_e Ms	5.5
UBR	151.44		PKPbc	07:47:26.819		34.3		2.49		TAS				m_e	
WERD	148.34		PKPbc	07:47:19.831	0.1	34.3		2.49		TAS				m_e	
WERN	148.44		PKPbc	07:47:20.300	0.0	34.3		2.49		TAS				m_e	
WET	149.16		PKPbc	07:47:21.937	0.2	34.3		2.49		TAS				m_e	
WET	149.16		L	08:58:30.329						T__		933.9	19.80	a_e Ms	5.6
WLF	151.02		PKPbc	07:47:26.759		34.3		2.49		TAS				m_e	

Event 70708008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/08	15:10:14.90			-20.2400	-173.3900				10.0					149.40	150.38	m i ke	EMSC
OrigID 70708040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	70708014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.38		PKPab	15:30:10.824		8.8		3.57		TAS				m_e	
GRA1	150.38		L	16:38:22.591						T__		72.8	18.20	a_e	Ms 4.5
MOX	149.40		L	16:34:52.125						T__		59.9	18.40	a_e	Ms 4.4

Event 70708009 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/08	17:42:19.38			44.3190	147.3440				33.0				6	75.47	80.97	m i ke	BGR
OrigID 70708015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70708015
Ms	4.1		BGR	70708015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.97		P	17:54:28.672		29.6		4.78		TAS		10.7	1.22	m_e	mb 4.7
BFO	80.97		L	18:39:47.126						T__		77.0	19.60	a_e	Ms 4.1
BRG	76.93		P	17:54:07.003		29.6		4.78		TAS		9.2	1.39	m_e	mb 4.7
BSEG	75.47		L	18:37:55.789						T__		93.2	20.50	a_e	Ms 4.1
CLL	76.88		P	17:54:06.008		29.6		4.78		TAS		11.6	0.66	m_e	mb 5.1
CLL	76.88		L	18:38:03.815						T__		122.0	19.40	a_e	Ms 4.2
FBE	77.09		P	17:54:08.292		29.6		4.78		TAS		8.1	0.86	m_e	mb 4.9
FLT1	76.57		P	17:54:04.075		29.6		4.78		TAS		6.5	0.75	m_e	mb 4.8
FUR	80.15		L	18:38:19.003						T__		93.5	20.70	a_e	Ms 4.1
GEC2	78.73		L	18:36:30.508						T__		107.8	21.60	a_e	Ms 4.1
GRA1	78.85		P	17:54:17.730		29.6		4.78		TAS		15.3	0.77	m_e	mb 5.1
GRA1	78.85		L	18:37:43.883						T__		90.7	21.10	a_e	Ms 4.1
GUNZ	77.90		P	17:54:13.036		29.6		4.78		TAS		21.0	1.87	m_e	mb 5.0
KAST	78.42		P	17:54:15.685		29.6		4.78		TAS		8.3	0.90	m_e	mb 4.9
MOX	77.90		P	17:54:12.745		29.6		4.78		TAS		18.1	1.79	m_e	mb 4.9
MOX	77.90		L	18:37:41.776						T__		116.1	21.80	a_e	Ms 4.2
ROTZ	78.46		P	17:54:15.379		29.6		4.78		TAS				m_e	
TNS	79.27		L	18:40:34.213						T__		85.5	18.20	a_e	Ms 4.1
WET	78.76		P	17:54:17.133		29.6		4.78		TAS		9.3	1.00	m_e	mb 4.8
WET	78.76		L	18:33:21.387						T__		84.0	20.60	a_e	Ms 4.1

Event 70708010 Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/08	22:48:38.80			-7.3100	106.0400				65.0					98.41	98.64	m i ke	EMSC
OrigID 70708042																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	70708016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	98.64		PP	23:06:12.377						T__					m_e
GRA1	98.64		L	23:51:42.199						T__		60.5	21.00	a_e	Ms 4.1
MOX	98.41		L	23:55:32.542						T__		95.4	19.40	a_e	Ms 4.3

Event 70709005 Southwestern Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/09	11:35:18.94			25.6150	64.2820				33.0				21	45.45	50.46	m i ke	BGR
OrigID 70709011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70709011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	48.03		P	11:43:54.040	-0.1	100.5		7.80		TAS		5.2	0.93	m_e	mb 4.6
BFO	48.89		P	11:44:00.603		100.5		7.80		TAS		6.3	1.16	m_e	mb 4.5
BRG	45.75		P	11:43:36.916	0.4	100.5		7.80		TAS		10.3	0.90	m_e	mb 4.9
BUG	49.98		P	11:44:10.007	0.4	100.5		7.80		TAS		27.4	0.94	m_e	mb 5.2
CLL	46.43		P	11:43:42.004	0.0	100.5		7.80		TAS		8.4	0.96	m_e	mb 4.7
CLZ	48.15		P	11:43:55.597	0.2	100.5		7.80		TAS		10.8	0.87	m_e	mb 5.0
FBE	46.13		P	11:43:40.209	-0.0	100.5		7.80		TAS		16.0	1.09	m_e	mb 5.0
FLT1	47.73		P	11:43:51.602	0.1	100.5		7.80		TAS		20.9	0.96	m_e	mb 5.2
GEC2	45.45		P	11:43:34.590		100.5		7.80		TAS		9.4	0.84	m_e	mb 4.8
GOR1	47.84		P	11:43:52.621	-0.1	100.5		7.80		TAS		16.1	0.90	m_e	mb 5.2
GRA1	47.21		L	12:03:55.498						T__		22.3	19.80	a_e	
GTTG	48.34		P	11:43:57.267	0.3	100.5		7.80		TAS		13.4	1.03	m_e	mb 5.0
IBBN	49.82		P	11:44:08.329	0.2	100.5		7.80		TAS		21.4	1.08	m_e	mb 5.0
KAST	49.24		P	11:44:04.317	0.3	100.5		7.80		TAS		9.3	1.17	m_e	mb 4.7
MOX	47.14		P	11:43:48.105	-0.1	100.5		7.80		TAS		15.6	0.84	m_e	mb 5.2
MOX	47.14		L	12:07:25.657						T__		24.7	18.50	a_e	
NEUB	47.16		P	11:43:48.114	-0.3	100.5		7.80		TAS		14.2	0.89	m_e	mb 5.1
NRDL	48.45		P	11:43:57.800	-0.4	100.5		7.80		TAS		16.4	1.01	m_e	mb 5.1

RETH	48.94	P	11:44:01.202	-0.5	100.5	7.80	TAS	9.5	1.01	m_e	mb	4.8
ROTZ	46.60	P	11:43:43.581		100.5	7.80	TAS	1.5	1.04	m_e	mb	4.0
UBR	47.62	P	11:43:51.464		100.5	7.80	TAS	12.5	0.76	m_e	mb	5.1
WERD	46.67	P	11:43:43.876	0.1	100.5	7.80	TAS	4.9	1.26	m_e	mb	4.5
WLF	50.46	P	11:44:14.116		100.5	7.80	TAS	7.0	0.78	m_e	mb	4.7

Event 70709006 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/09	20:09:39.30			28.9200	139.3900				432.0					86.77	89.20	m i ke	EMSC
OrigID 70709038																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70709012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	87.13		P	20:21:37.723		43.6		4.41		TAS		4.3	0.91	m_e	mb	4.6
CLL	87.25		P	20:21:37.971		43.6		4.41		TAS		3.9	0.76	m_e	mb	4.6
GEC2	88.66		P	20:21:44.901		43.6		4.41		TAS		4.3	0.76	m_e	mb	4.8
GOR1	86.77		P	20:21:35.369		43.6		4.41		TAS		9.1	0.81	m_e	mb	5.0
GRA1	89.20		P	20:21:48.135		43.6		4.41		TAS		8.0	1.09	m_e	mb	4.9
GUNZ	88.22		P	20:21:42.976		43.6		4.41		TAS		3.6	0.80	m_e	mb	4.8
IBBN	88.73		P	20:21:45.049		43.6		4.41		TAS		15.5	0.98	m_e	mb	5.2
MOX	88.33		P	20:21:43.219		43.6		4.41		TAS		4.6	1.31	m_e	mb	4.6
RETH	87.76		P	20:21:40.239		43.6		4.41		TAS		3.8	0.96	m_e	mb	4.7
WERN	88.25		P	20:21:43.230		43.6		4.41		TAS		4.5	0.68	m_e	mb	4.9

Event 70710002 Leyte, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/07/10	01:41:49.90			11.0100	124.8400				10.0					21	94.31	99.32	m i ke	EMSC
OrigID 70710034																		

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	70710008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	98.69		Pdiff	01:55:30.075						T__						a_e	
BFO	98.69		L	02:42:30.508						T__		2621.4	21.90	a_e	Ms	5.7	
BRG	94.31		Pdiff	01:55:10.375	-0.3					T__						a_e	
BSEG	95.05		Pdiff	01:55:13.675	-0.3					T__						a_e	
BSEG	95.05		L	02:42:13.107						T__		4982.5	18.20	a_e	Ms	6.0	
CLL	94.68		Pdiff	01:55:11.725	0.2					T__						a_e	

CLL	94.68	L	02:39:31.439		T__	3852.4	21.10	a_e	Ms	5.8
CLZ	95.94	Pdiff	01:55:18.025	-0.2	T__			a_e		
FBE	94.63	Pdiff	01:55:11.725	-0.0	T__			a_e		
FLT1	95.25	Pdiff	01:55:14.125	-0.1	T__			a_e		
FUR	97.00	L	02:41:23.945		T__	2644.0	22.00	a_e	Ms	5.7
GEC2	95.25	Pdiff	01:55:14.825	-0.2	T__			a_e		
GEC2	95.25	L	02:40:20.103		T__	2762.0	20.80	a_e	Ms	5.7
GRA1	96.38	L	02:39:47.903		T__	1853.9	20.30	a_e	Ms	5.6
GTTG	96.30	Pdiff	01:55:19.525		T__			a_e		
GUNZ	95.45	Pdiff	01:55:15.325	0.4	T__			a_e		
IBBN	97.16	Pdiff	01:55:23.375		T__			a_e		
KAST	97.32	Pdiff	01:55:24.325		T__			a_e		
MOX	95.75	Pdiff	01:55:16.975	0.1	T__			a_e		
MOX	95.75	L	02:39:42.985		T__	3402.5	20.70	a_e	Ms	5.8
NRDL	95.80	Pdiff	01:55:17.425	0.2	T__			a_e		
RETH	96.10	Pdiff	01:55:18.475	-0.4	T__			a_e		
ROTZ	95.77	Pdiff	01:55:17.425	-0.1	T__			a_e		
TNS	97.75	L	02:44:14.238		T__	4666.2	18.70	a_e	Ms	6.0
UBR	97.92	Pdiff	01:55:26.725		T__			a_e		
WERD	95.43	Pdiff	01:55:15.175	0.1	T__			a_e		
WERN	95.46	Pdiff	01:55:15.525	0.3	T__			a_e		
WET	95.63	Pdiff	01:55:16.775	0.2	T__			a_e		
WET	95.63	L	02:40:18.820		T__	4136.8	21.70	a_e	Ms	5.9
WLF	99.32	Pdiff	01:55:33.675		T__			a_e		

Event 70710016 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/10	02:16:28.10			-23.3600	179.4400				579.0				15	148.38	154.10	m i ke	GFZ
70710068																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	70710022

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	154.10		PKPab	02:35:40.671		23.7		2.20		TAS				m_e		
BRG	150.31		PKPbc	02:35:16.714	0.2	23.7		2.20		TAS				m_e		
BSEG	148.38		PKPbc	02:35:12.096	-0.3	23.7		2.20		TAS				m_e		
BSEG	148.38		PKPab	02:35:17.498		23.7		2.20		TAS				m_e		
CLL	150.19		PKPbc	02:35:16.256	0.1	23.7		2.20		TAS				m_e		
CLZ	150.34		PKPbc	02:35:17.046	0.1	23.7		2.20		TAS				m_e		
FBE	150.44		PKPbc	02:35:17.311	-0.0	23.7		2.20		TAS				m_e		
FLT1	149.69		PKPbc	02:35:14.970	0.1	23.7		2.20		TAS				m_e		
GEC2	152.17		PKPbc	02:35:20.499		23.7		2.20		TAS				m_e		
GRA1	152.14		L	04:07:51.914						T__		130.7	21.60	a_e	Ms	4.7
GTTG	150.71		PKPbc	02:35:17.577		23.7		2.20		TAS				m_e		

GUNZ	151.23	PKPbc	02:35:18.517	23.7	2.20	TAS	m_e
GUNZ	151.23	PKPab	02:35:29.626	23.7	2.20	TAS	m_e
KAST	151.35	PKPbc	02:35:18.903	23.7	2.20	TAS	m_e
MOX	151.16	PKPbc	02:35:18.494	23.7	2.20	TAS	m_e
MOX	151.16	L	04:05:42.579			T__	157.1 21.90 a_e Ms 4.8
NEUB	150.62	PKPbc	02:35:17.382	-0.8 23.7	2.20	TAS	m_e
NRDL	149.79	PKPbc	02:35:15.179	0.4 23.7	2.20	TAS	m_e
RETH	149.71	PKPbc	02:35:15.128	0.3 23.7	2.20	TAS	m_e
ROTZ	151.80	PKPab	02:35:32.087	23.7	2.20	TAS	m_e
WERD	151.16	PKPbc	02:35:18.644	23.7	2.20	TAS	a_e
WERN	151.28	PKPbc	02:35:19.042	23.7	2.20	TAS	m_e
WERN	151.28	PKPab	02:35:30.043	23.7	2.20	TAS	m_e
WET	152.17	PKPab	02:35:33.852	23.7	2.20	TAS	m_e

Event 70710015 Southeast of Easter Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/10	15:37:23.60			-36.1900	-100.7400				10.0					127.89	131.98	m i ke	EMSC
70710047																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	70710021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	127.89		L	16:44:32.626						T__		204.9	22.00	a_e Ms	4.8
BRG	131.98		PKPdf	15:56:38.248		258.6		2.16		TAS				m_e	
BSEG	130.24		PKPdf	15:56:34.250		258.6		2.16		TAS				m_e	
BSEG	130.24		L	16:46:57.662						T__		396.6	21.50	a_e Ms	5.1
CLL	131.46		L	16:48:50.074						T__		304.9	21.60	a_e Ms	5.0
FBE	131.62		PKPdf	15:56:38.961		258.6		2.16		TAS				m_e	
FLT1	130.54		PKPdf	15:56:33.986		258.6		2.16		TAS				m_e	
FUR	129.77		L	16:47:55.414						T__		366.6	21.50	a_e Ms	5.0
GEC2	131.49		L	16:48:05.730						T__		346.6	21.10	a_e Ms	5.0
GRA1	130.05		PKPdf	15:56:33.740		258.6		2.16		TAS				m_e	
GRA1	130.05		L	16:45:25.286						T__		282.5	22.00	a_e Ms	4.9
GUNZ	130.88		PKPdf	15:56:37.282		258.6		2.16		TAS				m_e	
MOX	130.48		L	16:50:44.845						T__		294.1	19.40	a_e Ms	5.0
TNS	128.41		L	16:46:48.873						T__		265.0	20.70	a_e Ms	4.9
WERN	130.90		PKPdf	15:56:36.901		258.6		2.16		TAS				m_e	
WET	131.01		PKPdf	15:56:36.961		258.6		2.16		TAS				m_e	
WET	131.01		L	16:51:04.215						T__		248.2	21.50	a_e Ms	4.9

Event 70710003 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/10	21:37:58.09			-6.7780	-12.6530				10.0			23		57.83	63.51	m i k e	BGR
70710009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70710009
Ms	4.1		BGR	70710009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	59.59		P	21:48:03.149	-0.2	207.6		6.86		TAS		66.2	2.01	m_e	mb	5.3
ASSE	61.97		P	21:48:20.181		207.6		6.86		TAS		21.2	1.99	m_e	mb	5.0
BFO	57.89		P	21:47:52.012	-0.1	207.6		6.86		TAS		50.5	1.79	a_e	mb	5.3
BFO	57.89		L	22:10:52.447						T__		75.9	19.80	a_e	Ms	3.8
BRG	61.84		P	21:48:18.875	-0.6	207.6		6.86		TAS		12.5	1.22	m_e	mb	5.0
BSEG	63.51		P	21:48:29.896		207.6		6.86		TAS		32.6	1.41	m_e	mb	5.4
BSEG	63.51		L	22:16:35.379						T__		189.2	20.50	a_e	Ms	4.3
CLL	61.92		L	22:16:10.436						T__		178.4	18.90	a_e	Ms	4.2
CLZ	61.63		P	21:48:17.804	-0.1	207.6		6.86		TAS		43.7	2.20	m_e	mb	5.3
FLT1	62.31		P	21:48:22.312		207.6		6.86		TAS		51.2	1.65	a_e	mb	5.5
FUR	58.62		P	21:47:57.091	0.2	207.6		6.86		TAS		64.4	1.40	m_e	mb	5.5
FUR	58.62		L	22:14:01.652						T__		208.9	18.80	a_e	Ms	4.3
GEC2	60.01		P	21:48:06.978	0.2	207.6		6.86		TAS		36.3	1.41	m_e	mb	5.2
GEC2	60.01		L	22:14:43.889						T__		145.3	21.70	a_e	Ms	4.1
GOR1	62.92		P	21:48:26.627		207.6		6.86		TAS		67.5	1.24	m_e	mb	5.6
GRA1	59.96		P	21:48:06.166	0.4	207.6		6.86		TAS		23.8	1.29	m_e	mb	5.1
GRA1	59.96		L	22:12:39.109						T__		117.6	21.60	a_e		
GUNZ	60.89		P	21:48:12.684	-0.1	207.6		6.86		TAS		26.3	1.35	m_e	mb	4.9
KAST	60.53		P	21:48:10.304	-0.0	207.6		6.86		TAS		14.3	1.36	m_e	mb	4.6
MOX	60.92		P	21:48:12.912	0.1	207.6		6.86		TAS		32.4	1.67	a_e	mb	4.9
MOX	60.92		L	22:05:58.506						T__		106.1	21.40	a_e	Ms	4.0
NEUB	61.45		P	21:48:16.512	0.5	207.6		6.86		TAS		48.7	1.62	a_e	mb	5.1
NRDL	62.15		P	21:48:21.679		207.6		6.86		TAS		35.2	1.64	m_e	mb	5.3
RETH	62.18		P	21:48:21.856		207.6		6.86		TAS		54.7	1.85	m_e	mb	5.5
ROTZ	60.33		P	21:48:08.846	-0.1	207.6		6.86		TAS		10.6	1.72	m_e	mb	4.6
TNS	59.65		P	21:48:04.312	0.2	207.6		6.86		TAS		45.3	1.88	a_e	mb	5.2
TNS	59.65		L	22:13:17.929						T__		68.9	22.00	a_e	Ms	3.7
UBR	57.83		P	21:47:51.558	-0.2	207.6		6.86		TAS		64.6	1.78	m_e	mb	5.4
WERD	60.96		P	21:48:12.962	-0.3	207.6		6.86		TAS		36.8	1.74	a_e	mb	4.9
WERN	60.84		P	21:48:12.262	-0.2	207.6		6.86		TAS		23.4	1.34	a_e	mb	4.8
WET	60.00		P	21:48:06.712	0.0	207.6		6.86		TAS		40.7	1.60	m_e	mb	5.2
WET	60.00		L	22:15:12.760						T__		151.9	18.10	a_e	Ms	4.2

Event 70711080 Northern Sumatera, Indonesia

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

2017/07/11 01:24:17.75 2.4200 98.7740 33.0 15 84.87 89.07 m i ke BGR
70711086

Magnitude Err Nsta Author OrigID
mb 5.5 BGR 70711086
Ms 4.0 BGR 70711086

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.94		P	01:36:59.465		90.3		4.88		TAS		72.2	1.77	m_e	mb 5.5
BRG	84.87		P	01:36:49.368	-0.2	90.3		4.88		TAS		33.7	1.52	m_e	mb 5.3
BSEG	87.15		P	01:37:00.824		90.3		4.88		TAS		78.8	1.51	m_e	mb 5.6
BUG	89.07		P	01:37:09.819		90.3		4.88		TAS		77.1	1.73	m_e	mb 5.6
CLZ	87.12		P	01:37:00.764		90.3		4.88		TAS		93.5	1.66	m_e	mb 5.6
FBE	85.24		P	01:36:51.581	-0.0	90.3		4.88		TAS		53.4	1.57	m_e	mb 5.5
FLT1	86.59		P	01:36:57.305		90.3		4.88		TAS		54.5	1.78	m_e	mb 5.4
GRA1	86.58		P	01:36:58.010		90.3		4.88		TAS		37.6	1.45	m_e	mb 5.3
GRA1	86.58		L	02:17:30.789						T__		63.1	19.40	a_e	Ms 4.0
IBBN	88.73		P	01:37:08.384		90.3		4.88		TAS		89.1	1.55	m_e	mb 5.8
KAST	88.36		P	01:37:06.596		90.3		4.88		TAS		62.7	1.74	m_e	mb 5.7
MOX	86.34		L	02:13:30.566						T__		58.0	21.40	a_e	Ms 3.9
NRDL	87.28		P	01:37:01.777		90.3		4.88		TAS		97.3	1.52	m_e	mb 5.7
RETH	87.74		P	01:37:03.397		90.3		4.88		TAS		55.4	1.49	m_e	mb 5.7
ROTZ	85.94		P	01:36:54.791	-0.1	90.3		4.88		TAS		2.4	1.08	m_e	mb 4.2
TNS	88.37		P	01:37:06.685		90.3		4.88		TAS		21.9	1.15	m_e	mb 5.4
WET	85.49		P	01:36:52.596	-0.2	90.3		4.88		TAS		44.1	1.89	m_e	mb 5.4

Event 70711081 Kyushu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/07/11 02:56:40.57 30.9700 131.1610 33.0 81.23 85.95 m i ke BGR
70711087

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 70711087
Ms 5.2 BGR 70711087

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.95		P	03:09:15.989		57.1		4.94		TAS		15.0	1.20	m_e	mb 5.0
BFO	85.95		L	03:47:48.161						T__		904.0	19.50	a_e	Ms 5.2
BSEG	81.23		L	03:45:23.795						T__		766.4	20.80	a_e	Ms 5.0
CLL	81.71		P	03:08:53.277		57.1		4.94		TAS		26.7	1.49	m_e	mb 5.2
CLL	81.71		L	03:48:29.372						T__		1277.3	19.70	a_e	Ms 5.3
FUR	84.62		L	03:50:35.227						T__		1114.8	18.30	a_e	Ms 5.3
GEC2	82.95		L	03:46:42.676						T__		914.8	21.80	a_e	Ms 5.1
GRA1	83.63		P	03:09:04.745		57.1		4.94		TAS		84.7	1.77	m_e	mb 5.7
GRA1	83.63		L	03:49:38.461						T__		1039.5	18.00	a_e	Ms 5.3

./2017/bull1707.txt

Thu Apr 23 08:38:25 2020

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MOX	82.81	P	03:08:59.799	57.1	4.94	TAS	29.6	1.96	m_e	mb	5.2
MOX	82.81	L	03:46:04.031			T__	854.7	20.20	a_e	Ms	5.1
TNS	84.59	L	03:51:07.557			T__	1031.3	18.60	a_e	Ms	5.2
WET	83.17	P	03:09:00.839	57.1	4.94	TAS	31.1	2.15	m_e	mb	5.2
WET	83.17	L	03:47:57.435			T__	647.0	20.00	a_e	Ms	5.0

Event 70711082 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/11	03:18:21.60			35.5490	-1.6340				33.0					14.75	20.20	m i ke	BGR
70711088																	

Magnitude	Err	Nsta	Author	OrigID
Ms	3.6		BGR	70711088

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	14.75		P	03:21:53.303		213.7		11.79		TAS		22.2	1.13	m_e		
BFO	14.75		L	03:26:35.603						T__		363.5	18.00	a_e	Ms	3.5
BSEG	20.20		P	03:22:53.090		213.7		11.79		TAS		44.4	0.99	m_e		
BSEG	20.20		L	03:29:13.421						T__		225.0	21.50	a_e	Ms	3.5
CLL	18.94		P	03:22:40.747		213.7		11.79		TAS		171.8	3.12	m_e		
CLL	18.94		L	03:29:32.820						T__		254.3	18.50	a_e	Ms	3.6
FUR	15.82		L	03:27:27.026						T__		731.7	20.00	a_e	Ms	3.9
GEC2	17.44		L	03:28:16.203						T__		1027.6	20.20	a_e	Ms	4.1
GRA1	16.97		P	03:22:18.541		213.7		11.79		TAS		74.5	1.34	m_e		
GRA1	16.97		L	03:30:39.165						T__		149.1	21.60	a_e	Ms	3.2
MOX	17.88		L	03:30:15.818						T__		327.1	18.60	a_e	Ms	3.6
TNS	16.40		L	03:30:06.643						T__		221.9	20.70	a_e	Ms	3.3
WET	17.27		L	03:28:21.329						T__		620.2	20.20	a_e	Ms	3.8

Event 70711083 Auckland Islands, New Zealand, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/11	07:00:07.90			-49.3000	164.3400				15.0					160.81	164.41	m i ke	EMSC
70711147																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.7		BGR	70711089

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	164.18		L	08:43:01.329						T__		12450.3	21.50	a_e	Ms	6.7
BSEG	163.26		L	08:43:30.216						T__		6949.7	20.90	a_e	Ms	6.5
CLL	161.63		L	08:40:24.678						T__		11950.9	21.60	a_e	Ms	6.7

FUR	162.22	L	08:46:53.430			T__	15221.1	19.20	a_e	Ms	6.9
GEC2	160.81	L	08:42:21.518			T__	8176.1	21.00	a_e	Ms	6.6
GRA1	162.56	PKPdf	07:20:12.853	99.0	0.80	TAS			m_e		
GRA1	162.56	L	08:43:19.326			T__	7751.2	21.00	a_e	Ms	6.5
MOX	162.44	L	08:40:43.758			T__	9538.8	21.00	a_e	Ms	6.6
TNS	164.41	L	08:48:56.074			T__	12813.6	18.70	a_e	Ms	6.8
WET	161.40	L	08:38:48.724			T__	12026.8	22.00	a_e	Ms	6.7

Event 70712017 Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
OrigID																		
2017/07/12	19:47:02.05			39.2460	134.7140				33.0			33		73.95	80.68	m i ke	BGR	
70712023																		

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	70712023
MBB	6.7		BGR	70712023
Ms	4.6		BGR	70712023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.48		P	19:59:02.400	-0.0	41.3		5.54		TAS		365.4	1.05	m_e	mb	6.3
ASSE	76.81		P	19:58:48.658	0.4	41.3		5.54		TAS		80.1	0.82	m_e	mb	5.9
BFO	80.68		P	19:59:10.118	0.2	41.3		5.54		TAS		339.7	0.87	m_e	mb	6.4
BRG	76.36		P	19:58:46.040	0.0	41.3		5.54		TAS		164.0	0.84	m_e	mb	6.2
BSEG	75.60		P	19:58:42.208	0.1	41.3		5.54		TAS		293.7	0.81	a_e	mb	6.5
BUG	78.70		P	19:58:59.092	-0.4	41.3		5.54		TAS		179.4	1.00	m_e	mb	6.1
CLL	76.45		P	19:58:46.408	0.1	41.3		5.54		TAS		460.9	0.71	m_e	MBB	6.8
CLZ	77.15		P	19:58:51.008	0.2	41.3		5.54		TAS		280.5	0.78	m_e	mb	6.5
FBE	76.58		P	19:58:47.667	-0.2	41.3		5.54		TAS		437.1	0.82	m_e	mb	6.6
FLT1	76.43		P	19:58:46.158	-0.1	41.3		5.54		TAS		338.5	0.77	m_e	mb	6.5
FUR	79.54		P	19:59:04.103	-0.4	41.3		5.54		TAS		406.4	0.92	m_e	mb	6.3
GEC2	77.95		P	19:58:54.827	-0.1	41.3		5.54		TAS		154.6	0.85	m_e	MBB	6.4
GOR1	75.91		P	19:58:43.807	0.2	41.3		5.54		TAS		725.4	1.43	m_e	mb	6.6
GRA1	78.41		P	19:58:58.195	0.2	41.3		5.54		TAS		603.7	0.79	m_e	mb	6.8
GRA1	78.41		L	20:33:07.205						T__		214.3	18.00	a_e	Ms	4.5
GTTG	77.54		P	19:58:53.009	-0.0	41.3		5.54		TAS		201.1	0.80	m_e	mb	6.3
GUNZ	77.44		P	19:58:52.408	0.2	41.3		5.54		TAS		224.5	0.75	m_e	mb	6.4
IBBN	77.84		P	19:58:54.436	-0.5	41.3		5.54		TAS		213.5	0.83	m_e	mb	6.3
KAST	78.43		P	19:58:57.781	-0.1	41.3		5.54		TAS		129.3	0.91	m_e	mb	6.1
MOX	77.53		P	19:58:52.772	-1.1	41.3		5.54		TAS		148.8	0.85	m_e	MBB	6.5
MOX	77.53		L	20:34:11.734						T__		274.8	19.20	a_e	Ms	4.6
NEUB	77.06		P	19:58:50.004	0.2	41.3		5.54		TAS		530.4	0.71	m_e	mb	6.8
NRDL	76.77		P	19:58:48.500	-0.3	41.3		5.54		TAS		132.2	0.90	m_e	mb	6.1
PLN	77.42		P	19:58:52.124	-0.1	41.3		5.54		TAS		150.0	0.88	m_e	mb	6.1
RETH	76.88		P	19:58:49.201	0.1	41.3		5.54		TAS		160.5	0.84	m_e	mb	6.2
RGN	73.95		P	19:58:32.608	-0.2	41.3		5.54		TAS		447.1	0.83	a_e	mb	6.5

ROTZ	77.93	P	19:58:55.302	0.2	41.3	5.54	TAS	49.8	0.86	m_e	mb	5.7
RUE	75.27	P	19:58:39.870	0.1	41.3	5.54	TAS	237.4	0.84	m_e	mb	6.3
STU	79.98	P	19:59:06.187	-0.1	41.3	5.54	TAS	493.5	0.93	m_e	mb	6.4
TNS	79.17	P	19:59:01.972	0.3	41.3	5.54	TAS	156.7	0.93	m_e	mb	6.0
UBR	80.42	P	19:59:08.380		41.3	5.54	TAS	158.5	1.14	m_e	mb	5.8
WERD	77.38	P	19:58:51.894	0.2	41.3	5.54	TAS	152.3	0.88	m_e	mb	6.1
WERN	77.47	P	19:58:52.664	0.2	41.3	5.54	TAS	254.6	0.76	m_e	mb	6.4
WET	78.10	P	19:58:56.084	-0.2	41.3	5.54	TAS	178.0	0.94	m_e	MBB	6.5
WLF	80.54	P	19:59:09.523	0.6	41.3	5.54	TAS	752.2	1.78	m_e	mb	6.4

Event 70713010 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/13	03:36:08.90			-4.7900	153.2000				40.0			29		122.46	127.33	m i ke	EMSC
70713042																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.4		BGR	70713016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	123.56		PKPdf	03:55:03.316	-0.1	49.1		1.95		TAS				m_e	
BFO	127.28		PKPdf	03:55:09.832		49.1		1.95		TAS				m_e	
BFO	127.28		L	04:53:08.244						T__		6727.3	21.70	a_e	Ms 6.3
BRG	122.86		PKPdf	03:55:01.650	-0.2	49.1		1.95		TAS				m_e	
BSEG	122.46		PKPdf	03:55:01.256	0.1	49.1		1.95		TAS				m_e	
BSEG	122.46		L	04:51:52.960						T__		6837.1	21.10	a_e	Ms 6.3
BUG	125.55		PKPdf	03:55:07.066	0.1	49.1		1.95		TAS				m_e	
CLL	123.03		PKPdf	03:55:01.742	0.4	49.1		1.95		TAS				m_e	
CLL	123.03		L	04:50:52.134						T__		14724.6	22.00	a_e	Ms 6.6
CLZ	123.90		PKPdf	03:55:03.938	-0.3	49.1		1.95		TAS				m_e	
FBE	123.11		PKPdf	03:55:02.666	-0.4	49.1		1.95		TAS				m_e	
FLT1	123.17		PKPdf	03:55:01.986	0.2	49.1		1.95		TAS				m_e	
FUR	125.93		L	04:51:03.276						T__		8365.3	21.80	a_e	Ms 6.4
GEC2	124.25		PKPdf	03:55:04.666		49.1		1.95		TAS				a_e	
GEC2	124.25		L	04:54:27.040						T__		8736.5	21.30	a_e	Ms 6.4
GOR1	122.69		PKPdf	03:55:01.693	0.2	49.1		1.95		TAS				m_e	
GRA1	124.95		PKPdf	03:55:05.966	-0.5	49.1		1.95		TAS				m_e	
GRA1	124.95		L	04:56:40.812						T__		7343.6	21.80	a_e	Ms 6.3
GTTG	124.28		PKPdf	03:55:04.838	-0.2	49.1		1.95		TAS				m_e	
GUNZ	123.97		PKPdf	03:55:04.000	0.5	49.1		1.95		TAS				m_e	
IBBN	124.71		PKPdf	03:55:05.217	0.1	49.1		1.95		TAS				m_e	
KAST	125.22		PKPdf	03:55:06.198	-0.1	49.1		1.95		TAS				m_e	
MOX	124.13		PKPdf	03:55:03.858	0.1	49.1		1.95		TAS				m_e	
MOX	124.13		L	04:51:58.743						T__		8733.0	21.20	a_e	Ms 6.4
NEUB	123.69		PKPdf	03:55:03.516	-0.4	49.1		1.95		TAS				m_e	
NRDL	123.56		PKPdf	03:55:03.471	-0.4	49.1		1.95		TAS				m_e	

PLN	123.98	PKPdf	03:55:03.545	-0.1	49.1	1.95	TAS												m_e
RETH	123.72	PKPdf	03:55:03.620	-0.3	49.1	1.95	TAS												m_e
ROTZ	124.42	PKPdf	03:55:04.530	0.2	49.1	1.95	TAS												m_e
STU	126.56	PKPdf	03:55:09.216		49.1	1.95	TAS												a_e
TNS	125.90	PKPdf	03:55:07.606	0.0	49.1	1.95	TAS												m_e
TNS	125.90	L	04:54:57.089				T__					11670.2	21.70		a_e	Ms		6.5	
UBR	126.84	PKPdf	03:55:09.516		49.1	1.95	TAS												a_e
WERD	123.93	PKPdf	03:55:03.612	-0.2	49.1	1.95	TAS												m_e
WERN	124.00	PKPdf	03:55:04.168	0.2	49.1	1.95	TAS												m_e
WET	124.49	PKPdf	03:55:04.907	0.1	49.1	1.95	TAS												m_e
WET	124.49	L	04:53:21.118				T__					10172.2	21.00		a_e	Ms		6.5	
WLF	127.33	PKPdf	03:55:11.013	0.3	49.1	1.95	TAS												m_e

Event 70713011 Western Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/13	21:01:30.13			36.0160	-0.7020				10.0					14.15	19.50	m i ke	BGR
OrigID 70713017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	70713017
Ms	2.6		BGR	70713017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	19.50		L	21:12:22.809						T__		29.8	19.60	a_e	Ms	2.6
CLL	18.17		L	21:11:31.869						T__		26.9	21.10	a_e	Ms	2.5
FUR	15.02		L	21:10:46.150						T__		69.1	18.20	a_e	Ms	2.8
GEC2	16.62		L	21:11:27.792						T__		58.9	19.30	a_e	Ms	2.8
GRA1	16.20		P	21:05:21.072		213.6		11.77		TAS		37.3	1.92	m_e	mb	4.2
GRA1	16.20		L	21:10:45.257						T__		16.9	20.20	a_e	Ms	2.2
MOX	17.11		L	21:10:59.928						T__		34.9	19.80	a_e	Ms	2.6
TNS	15.67		L	21:11:05.652						T__		47.9	18.30	a_e	Ms	2.7
UBR	14.15		L	21:10:49.285						T__		42.2	19.50	a_e	Ms	2.5
WET	16.46		L	21:11:30.082						T__		30.8	20.90	a_e	Ms	2.5

Event 70714001 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/14	01:12:15.65			56.8030	160.7950				33.0				17	67.02	72.76	m i ke	BGR
OrigID 70714007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70714007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	72.76		P	01:23:37.945		17.1		6.10		TAS		5.3	0.94	m_e	mb	4.7
BRG	69.25		P	01:23:16.872	0.1	17.1		6.10		TAS		5.2	1.04	m_e	mb	4.7
BSEG	67.02		P	01:23:03.806	0.2	17.1		6.10		TAS		5.7	0.88	m_e	mb	4.8
CLL	69.03		P	01:23:15.367	0.0	17.1		6.10		TAS		13.5	1.27	m_e	mb	5.0
CLZ	69.01		P	01:23:16.213	-0.0	17.1		6.10		TAS		15.0	1.25	m_e	mb	5.1
FLT1	68.39		P	01:23:11.510	-0.4	17.1		6.10		TAS		4.4	0.93	m_e	mb	4.7
GEC2	71.23		P	01:23:29.196		17.1		6.10		TAS		5.7	1.30	m_e	mb	4.5
GRA1	70.92		P	01:23:27.879		17.1		6.10		TAS		9.3	0.83	m_e	mb	4.9
GUNZ	70.06		P	01:23:22.234		17.1		6.10		TAS		5.0	0.90	m_e	mb	4.6
MOX	69.93		P	01:23:21.388	0.4	17.1		6.10		TAS		8.7	1.07	m_e	mb	4.8
NRDL	68.44		P	01:23:11.873	0.4	17.1		6.10		TAS		10.7	1.35	m_e	mb	4.9
PLN	69.98		P	01:23:21.863	-0.1	17.1		6.10		TAS		5.8	0.97	m_e	mb	4.7
RETH	68.33		P	01:23:11.806	-0.5	17.1		6.10		TAS		6.3	1.32	m_e	mb	4.7
ROTZ	70.65		P	01:23:25.903		17.1		6.10		TAS		1.4	1.03	m_e	mb	4.0
TNS	70.91		P	01:23:27.596		17.1		6.10		TAS		4.3	0.59	m_e	mb	4.8
WERN	70.12		P	01:23:22.893		17.1		6.10		TAS		7.2	0.75	m_e	mb	4.9
WET	71.11		P	01:23:29.102		17.1		6.10		TAS		5.9	1.04	m_e	mb	4.7

Event 70714002 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/14	01:25:26.77		2.0660	98.0260					33.0			19		84.67	89.66	m i ke	BGR
OrigID 70714008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70714008
Ms	4.5		BGR	70714008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.75		P	01:38:07.495	0.2	91.1		4.90		TAS		10.4	1.13	m_e	mb	4.9
BRG	84.67		P	01:37:57.477	0.1	91.1		4.90		TAS		5.7	1.06	m_e	mb	4.7
BSEG	86.99		P	01:38:09.004	0.2	91.1		4.90		TAS		18.0	1.20	m_e	mb	5.1
FBE	85.04		P	01:37:59.320	-0.1	91.1		4.90		TAS		8.6	1.12	m_e	mb	4.9
FLT1	86.41		P	01:38:05.299	-0.1	91.1		4.90		TAS		7.3	1.18	m_e	mb	4.7
GEC2	84.71		P	01:37:57.752		91.1		4.90		TAS		9.0	1.15	m_e	mb	4.9
GRA1	86.36		L	02:26:07.655						T_		204.0	21.40	a_e	Ms	4.5
GTTG	87.19		P	01:38:09.965	0.0	91.1		4.90		TAS		12.2	0.77	m_e	mb	5.1
GUNZ	85.67		P	01:38:02.429	0.1	91.1		4.90		TAS		2.9	0.95	m_e	mb	4.4
IBBN	88.55		P	01:38:16.277	-0.7	91.1		4.90		TAS		20.5	1.23	m_e	mb	5.2
KAST	88.16		P	01:38:14.523	0.1	91.1		4.90		TAS		11.0	1.07	m_e	mb	5.1
MOX	86.13		P	01:38:04.613	0.2	91.1		4.90		TAS		4.6	1.13	m_e	mb	4.5
MOX	86.13		L	02:25:28.864						T_		193.8	21.40	a_e	Ms	4.5
NEUB	86.05		P	01:38:04.245	-0.0	91.1		4.90		TAS		6.6	0.78	m_e	mb	4.8
NRDL	87.10		P	01:38:09.690	-0.2	91.1		4.90		TAS		13.9	0.97	m_e	mb	5.1

RETH	87.56	P	01:38:11.611	0.3	91.1	4.90	TAS	8.2	1.08	m_e mb	5.0
ROTZ	85.73	P	01:38:03.092		91.1	4.90	TAS	1.5	1.14	m_e mb	4.0
TNS	88.16	P	01:38:14.705		91.1	4.90	TAS	12.0	0.81	m_e mb	5.3
WERD	85.69	P	01:38:02.280	-0.4	91.1	4.90	TAS	7.8	1.46	m_e mb	4.6
WET	85.27	P	01:37:59.947		91.1	4.90	TAS	4.8	0.99	m_e mb	4.7
WLF	89.66	P	01:38:21.825		91.1	4.90	TAS	15.9	1.33	m_e mb	5.1

Event 70714003 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/14	03:11:53.91			52.8000	-172.0200				33.0			21		75.06	79.25	m i ke	BGR
OrigID 70714009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70714009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.03		P	03:23:43.466	0.7	1.9		5.64		TAS		5.8	0.71	m_e mb	4.8
BFO	79.25		P	03:23:56.749		1.9		5.64		TAS		4.5	0.79	m_e mb	4.6
BRG	76.58		P	03:23:41.563	-0.9	1.9		5.64		TAS		5.8	0.67	m_e mb	4.8
CLL	76.18		P	03:23:39.078	0.0	1.9		5.64		TAS		4.4	0.62	m_e mb	4.8
CLZ	75.71		P	03:23:37.479	0.2	1.9		5.64		TAS		7.0	0.69	m_e mb	4.9
FBE	76.55		P	03:23:41.717	-0.1	1.9		5.64		TAS		5.3	0.75	m_e mb	4.8
FLT1	75.21		P	03:23:33.641	0.5	1.9		5.64		TAS		6.4	0.58	m_e mb	4.8
GEC2	78.62		P	03:23:53.071		1.9		5.64		TAS		2.9	0.75	m_e mb	4.4
GRA1	77.85		P	03:23:49.473	-0.1	1.9		5.64		TAS		10.6	0.71	m_e mb	5.1
GUNZ	77.15		P	03:23:45.250	0.2	1.9		5.64		TAS		2.2	0.83	m_e mb	4.3
IBBN	75.27		P	03:23:34.760	-0.5	1.9		5.64		TAS		7.6	0.85	m_e mb	4.8
KAST	76.37		P	03:23:40.837	-0.0	1.9		5.64		TAS		4.4	1.11	m_e mb	4.5
MOX	76.89		P	03:23:43.585	0.1	1.9		5.64		TAS		5.3	0.69	m_e mb	4.8
NEUB	76.33		P	03:23:40.517	-0.3	1.9		5.64		TAS		13.7	1.04	m_e mb	5.0
NRDL	75.06		P	03:23:33.321	0.3	1.9		5.64		TAS		3.7	0.80	m_e mb	4.5
PLN	77.03		P	03:23:44.536	0.1	1.9		5.64		TAS		3.2	0.71	m_e mb	4.6
ROTZ	77.75		P	03:23:48.593	-0.1	1.9		5.64		TAS		0.8	0.67	m_e mb	4.0
TNS	77.35		P	03:23:46.434	0.4	1.9		5.64		TAS		7.5	1.00	m_e mb	4.8
WERD	77.06		P	03:23:45.368	0.3	1.9		5.64		TAS		3.2	1.22	m_e mb	4.3
WERN	77.22		P	03:23:45.795	0.1	1.9		5.64		TAS		4.7	0.78	m_e mb	4.7
WET	78.35		P	03:23:51.792		1.9		5.64		TAS		1.9	0.96	m_e mb	4.2

Event 70714004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/14	03:35:58.11			-23.0690	179.2460				33.0			21		148.06	153.95	m i ke	BGR
OrigID																	

70714010

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	149.69		PKPbc	03:55:41.113	0.4	23.8		2.39		TAS					m_e	
BRG	149.98		PKPbc	03:55:42.778	0.3	23.8		2.39		TAS					m_e	
BSEG	148.06		PKPbc	03:55:36.782	-0.4	23.8		2.39		TAS					m_e	
CLL	149.86		PKPbc	03:55:42.138	0.1	23.8		2.39		TAS					m_e	
CLZ	150.02		PKPbc	03:55:42.394	0.1	23.8		2.39		TAS					m_e	
FBE	150.11		PKPbc	03:55:42.811	0.2	23.8		2.39		TAS					m_e	
FLT1	149.37		PKPbc	03:55:40.345	-0.1	23.8		2.39		TAS					m_e	
GEC2	151.84		PKPbc	03:55:47.133		23.8		2.39		TAS					m_e	
GTTG	150.39		PKPbc	03:55:42.906	-0.0	23.8		2.39		TAS					m_e	
GUNZ	150.90		PKPbc	03:55:44.699	0.3	23.8		2.39		TAS					m_e	
IBBN	150.09		PKPbc	03:55:41.882	-0.2	23.8		2.39		TAS					m_e	
KAST	151.03		PKPbc	03:55:44.315	-0.1	23.8		2.39		TAS					m_e	
MOX	150.83		PKPbc	03:55:44.443	0.1	23.8		2.39		TAS					m_e	
NRDL	149.47		PKPbc	03:55:40.631	0.0	23.8		2.39		TAS					m_e	
PLN	150.83		PKPbc	03:55:44.699	0.1	23.8		2.39		TAS					m_e	
RETH	149.38		PKPbc	03:55:39.961	0.0	23.8		2.39		TAS					m_e	
ROTZ	151.47		PKPbc	03:55:46.063	-0.6	23.8		2.39		TAS					m_e	
TNS	151.96		PKPbc	03:55:46.805	-0.3	23.8		2.39		TAS					m_e	
UBR	153.95		PKPbc	03:55:51.163		23.8		2.39		TAS					m_e	
WERD	150.83		PKPbc	03:55:44.571	0.3	23.8		2.39		TAS					m_e	
WERN	150.95		PKPbc	03:55:45.084	0.0	23.8		2.39		TAS					m_e	

Event 70714005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/14	03:42:16.68			49.8300	153.2000				33.0			15		71.99	75.72	m i ke	BGR

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 70714011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	73.82		P	03:53:48.196	-0.1	24.5		5.85		TAS		5.4	1.10	m_e mb	4.5	
BSEG	71.99		P	03:53:38.029	0.4	24.5		5.85		TAS		6.9	0.80	m_e mb	4.8	
CLL	73.69		P	03:53:47.380	-0.2	24.5		5.85		TAS		13.0	1.03	m_e mb	4.9	
CLZ	73.89		P	03:53:49.114	0.3	24.5		5.85		TAS		8.4	0.93	m_e mb	4.8	
FLT1	73.23		P	03:53:44.320	-0.6	24.5		5.85		TAS		8.0	0.93	m_e mb	4.8	
GEC2	75.72		P	03:53:59.315	-0.0	24.5		5.85		TAS		2.4	0.62	m_e mb	4.5	
GOR1	72.61		P	03:53:41.464	0.2	24.5		5.85		TAS		21.6	1.30	m_e mb	5.1	
GRA1	75.63		P	03:53:59.111	0.1	24.5		5.85		TAS		7.6	0.80	m_e mb	4.9	
GUNZ	74.72		P	03:53:53.704	0.1	24.5		5.85		TAS		7.2	1.23	m_e mb	4.6	

./2017/bull1707.txt

Thu Apr 23 08:38:25 2020

27

IBBN	74.10	P	03:53:49.725	-0.2	24.5	5.85	TAS	7.0	0.74	m_e	mb	4.8
NRDL	73.36	P	03:53:45.340	-0.3	24.5	5.85	TAS	9.7	1.07	m_e	mb	4.9
RETH	73.32	P	03:53:45.442	0.0	24.5	5.85	TAS	4.6	1.09	m_e	mb	4.5
ROTZ	75.30	P	03:53:56.866	-0.1	24.5	5.85	TAS	3.4	1.44	m_e	mb	4.2
WERN	74.78	P	03:53:54.010	0.1	24.5	5.85	TAS	13.6	1.28	m_e	mb	4.8
WET	75.68	P	03:53:59.417	0.2	24.5	5.85	TAS	4.3	0.87	m_e	mb	4.6

Event 70715001 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/15	20:30:16.80			34.7800	25.4000				15.0					16.51	21.89	m i ke	EMSC
70715033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.64		Pn	20:34:55.107						T__				m_e	
BFO	18.56		Pn	20:34:33.035						T__				m_e	
BRG	18.11		Pn	20:34:26.756						T__				m_e	
BSEG	21.89		Pn	20:35:08.267						T__				m_e	
BUG	21.18		Pn	20:34:59.569						T__				m_e	
CLL	18.80		Pn	20:34:35.857						T__				m_e	
CLZ	20.19		Pn	20:34:50.525						T__				m_e	
FLT1	20.26		Pn	20:34:51.704						T__				m_e	
GEC2	16.51		Pn	20:34:07.844						T__				m_e	
GRA1	18.18		Pn	20:34:28.482						T__				m_e	
GTTG	20.12		Pn	20:34:50.078						T__				m_e	
GUNZ	18.26		Pn	20:34:29.837						T__				m_e	
IBBN	21.59		Pn	20:35:05.787						T__				m_e	
MOX	18.76		Pn	20:34:35.271						T__				m_e	
NRDL	20.80		Pn	20:34:58.922						T__				m_e	
PLN	18.43		Pn	20:34:31.819						T__				m_e	
RETH	21.28		Pn	20:35:01.655						T__				m_e	
ROTZ	17.84		Pn	20:34:24.455						T__				m_e	
TNS	19.79		Pn	20:34:47.718						T__				m_e	
UBR	17.23		Pn	20:34:16.655						T__				m_e	
WERD	18.34		Pn	20:34:29.177						T__				m_e	
WERN	18.18		Pn	20:34:30.085						T__				m_e	
WET	17.07		Pn	20:34:15.900						T__				m_e	
WLF	20.51		Pn	20:34:55.281						T__				m_e	

Event 70716005 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2017/07/16 17:06:43.16 -20.6870 -172.1030 11.0 28 146.76 153.01 m i ke BGR
 70716011

Magnitude Err Nsta Author OrigID
 Ms 5.8 BGR 70716011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.20		PKPdf	17:26:27.275		9.7		1.98		TAS				m_e	
AHRW	150.20		PKPbc	17:26:33.145	0.4	6.4		2.48		TAS				m_e	
BFO	152.42		PKPbc	17:26:39.433		6.4		2.48		TAS				m_e	
BRG	149.50		PKPdf	17:26:27.606	-0.5	9.7		1.98		TAS				m_e	
BRG	149.50		PKPbc	17:26:32.164	0.5	6.4		2.48		TAS				m_e	
BSEG	146.76		PKPbc	17:26:24.907	-0.3	6.4		2.48		TAS				m_e	
BUG	149.30		PKPdf	17:26:27.180	-0.1	9.7		1.98		TAS				m_e	
BUG	149.30		PKPbc	17:26:31.781	0.1	6.4		2.48		TAS				m_e	
CLL	149.18		PKPdf	17:26:26.915	0.6	9.7		1.98		TAS				m_e	
CLL	149.18		PKPbc	17:26:31.120	0.0	6.4		2.48		TAS				m_e	
CLZ	148.85		PKPdf	17:26:26.633	0.1	9.7		1.98		TAS				m_e	
CLZ	148.85		PKPbc	17:26:30.795	0.3	6.4		2.48		TAS				m_e	
FBE	149.52		PKPbc	17:26:32.428	0.4	6.4		2.48		TAS				m_e	
FLT1	148.31		PKPdf	17:26:23.026	0.1	9.7		1.98		TAS				m_e	
FLT1	148.31		PKPbc	17:26:28.857	-0.1	6.4		2.48		TAS				m_e	
FUR	152.45		PKPbc	17:26:39.125		6.4		2.48		TAS				m_e	
GEC2	151.52		PKPdf	17:26:30.637		9.7		1.98		TAS				m_e	
GEC2	151.52		PKPbc	17:26:36.765		6.4		2.48		TAS				m_e	
GOR1	147.65		PKPbc	17:26:27.548	-0.5	6.4		2.48		TAS				m_e	
GRA1	150.94		PKPdf	17:26:29.955		9.7		1.98		TAS				m_e	
GRA1	150.94		PKPbc	17:26:35.676	-0.7	6.4		2.48		TAS				m_e	
GRA1	150.94		L	18:38:19.740						T__		1226.3	20.30	a_e Ms	5.7
GUNZ	150.18		PKPdf	17:26:28.346		9.7		1.98		TAS				m_e	
GUNZ	150.18		PKPbc	17:26:34.227	0.1	6.4		2.48		TAS				m_e	
IBBN	148.44		PKPdf	17:26:24.559	0.4	9.7		1.98		TAS				m_e	
KAST	149.54		PKPdf	17:26:27.653	-0.3	9.7		1.98		TAS				m_e	
KAST	149.54		PKPbc	17:26:32.419	-0.9	6.4		2.48		TAS				m_e	
MOX	149.96		PKPdf	17:26:28.048	-0.6	9.7		1.98		TAS				m_e	
MOX	149.96		PKPbc	17:26:33.166	0.2	6.4		2.48		TAS				m_e	
MOX	149.96		L	18:40:49.682						T__		1545.9	19.10	a_e Ms	5.8
NEUB	149.40		PKPdf	17:26:27.079	0.6	9.7		1.98		TAS				m_e	
NEUB	149.40		PKPbc	17:26:32.066	0.4	6.4		2.48		TAS				m_e	
NRDL	148.21		PKPbc	17:26:28.361	-0.2	6.4		2.48		TAS				m_e	
PLN	150.07		PKPdf	17:26:28.332		9.7		1.98		TAS				m_e	
PLN	150.07		PKPbc	17:26:33.857	0.2	6.4		2.48		TAS				m_e	
RETH	147.99		PKPbc	17:26:27.960	-0.4	6.4		2.48		TAS				m_e	
ROTZ	150.78		PKPdf	17:26:29.328		9.7		1.98		TAS				m_e	
ROTZ	150.78		PKPbc	17:26:35.416	0.1	6.4		2.48		TAS				m_e	
RUE	147.94		PKPbc	17:26:27.749	0.4	6.4		2.48		TAS				m_e	
TNS	150.52		PKPbc	17:26:35.089	-0.4	6.4		2.48		TAS				m_e	
UBR	153.01		PKPbc	17:26:40.069		6.4		2.48		TAS				m_e	

WERD	150.10	PKPdf	17:26:28.545		9.7	1.98	TAS	m_e
WERD	150.10	PKPbc	17:26:33.917	0.6	6.4	2.48	TAS	m_e
WERN	150.25	PKPdf	17:26:29.151		9.7	1.98	TAS	m_e
WERN	150.25	PKPbc	17:26:34.078	-0.6	6.4	2.48	TAS	m_e
WET	151.33	PKPdf	17:26:30.251		9.7	1.98	TAS	m_e
WET	151.33	PKPbc	17:26:35.979		6.4	2.48	TAS	m_e
WLF	151.05	PKPdf	17:26:30.912		9.7	1.98	TAS	m_e
WLF	151.05	PKPbc	17:26:36.894	-0.2	6.4	2.48	TAS	m_e

Event 70716006 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/16	22:56:10.39			32.1230	104.5740				33.0			19		66.20	71.25	m i ke	BGR
	70716012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70716012
Ms	4.2		BGR	70716012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	70.58		P	23:07:20.664		65.7		6.28		TAS		5.6	1.13	m_e	mb 4.6
BRG	66.20		P	23:06:53.484	0.0	65.7		6.28		TAS		7.7	1.10	m_e	mb 4.8
BSEG	67.08		P	23:06:59.393	0.5	65.7		6.28		TAS		12.6	0.89	m_e	mb 5.2
CLL	66.59		P	23:06:55.721	-0.1	65.7		6.28		TAS		5.1	0.96	m_e	mb 4.7
CLZ	67.89		P	23:07:04.467	-0.4	65.7		6.28		TAS		10.6	0.74	m_e	mb 5.2
FLT1	67.20		P	23:06:59.271	0.1	65.7		6.28		TAS		8.4	0.88	m_e	mb 5.0
FUR	68.88		P	23:07:11.268		65.7		6.28		TAS		20.6	0.95	m_e	mb 5.3
GEC2	67.12		P	23:06:59.717		65.7		6.28		TAS		6.1	0.97	m_e	mb 4.8
GOR1	66.90		P	23:06:58.278	0.2	65.7		6.28		TAS		9.2	0.91	m_e	mb 5.0
GRA1	68.27		P	23:07:07.165		65.7		6.28		TAS		8.6	0.77	m_e	mb 5.0
GRA1	68.27		L	23:38:30.002						T__		218.1	19.20	a_e	Ms 4.4
GUNZ	67.35		P	23:07:01.053	0.7	65.7		6.28		TAS		5.8	0.78	m_e	mb 4.9
MOX	67.66		L	23:37:20.081						T__		114.8	21.50	a_e	Ms 4.1
NRDL	67.77		P	23:07:03.819	0.3	65.7		6.28		TAS		13.8	0.97	m_e	mb 5.2
PLN	67.40		P	23:07:01.130	0.1	65.7		6.28		TAS		4.5	1.05	m_e	mb 4.6
RETH	68.09		P	23:07:05.389	-0.0	65.7		6.28		TAS		5.4	1.03	m_e	mb 4.7
ROTZ	67.66		P	23:07:03.171		65.7		6.28		TAS		2.0	1.00	m_e	mb 4.3
WERD	67.33		P	23:07:00.796	-0.7	65.7		6.28		TAS		3.8	0.97	m_e	mb 4.6
WERN	67.35		P	23:07:01.086		65.7		6.28		TAS		7.4	1.19	m_e	mb 4.8
WET	67.51		P	23:07:02.308		65.7		6.28		TAS		1.8	0.76	m_e	mb 4.4
WLF	71.25		P	23:07:25.498		65.7		6.28		TAS		17.4	0.95	m_e	mb 5.2

./2017/bull1707.txt

Thu Apr 23 08:38:25 2020

30

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/17	01:20:37.73			-20.8940	-172.6570				33.0			28		146.94	153.19	m i ke	BGR
70717007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	70717007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.41		PKPbc	01:40:25.190	-1.2	7.5		2.46		TAS					m_e
ASSE	148.72		PKPbc	01:40:22.103	0.1	7.5		2.46		TAS					m_e
BFO	152.62		PKPbc	01:40:31.546	-0.1	7.5		2.46		TAS					m_e
BRG	149.63		PKPbc	01:40:24.517	0.2	7.5		2.46		TAS					m_e
BSEG	146.94		PKPbc	01:40:17.308	-0.3	7.5		2.46		TAS					m_e
BUG	149.51		PKPbc	01:40:24.015	-0.1	7.5		2.46		TAS					m_e
CLL	149.32		PKPbc	01:40:22.295	-1.2	7.5		2.46		TAS					m_e
CLZ	149.02		PKPbc	01:40:23.322	0.6	7.5		2.46		TAS					m_e
FBE	149.66		PKPbc	01:40:24.821	0.5	7.5		2.46		TAS					m_e
FLT1	148.48		PKPbc	01:40:21.258	-0.1	7.5		2.46		TAS					m_e
FUR	152.61		PKPbc	01:40:31.343	-0.2	7.5		2.46		TAS					m_e
GEC2	151.65		PKPbc	01:40:28.151	-1.1	7.5		2.46		TAS					m_e
GOR1	147.81		PKPbc	01:40:18.644	-1.1	7.5		2.46		TAS					m_e
GRA1	151.10		PKPbc	01:40:27.346	-0.5	7.5		2.46		TAS					m_e
GRA1	151.10		L	02:51:49.575						T__		1888.2	20.40	a_e Ms	5.9
GTTG	149.34		PKPbc	01:40:23.830	0.3	7.5		2.46		TAS					m_e
GUNZ	150.33		PKPbc	01:40:26.448	0.5	7.5		2.46		TAS					m_e
IBBN	148.64		PKPbc	01:40:22.207	0.3	7.5		2.46		TAS					m_e
KAST	149.74		PKPbc	01:40:24.875	0.4	7.5		2.46		TAS					m_e
MOX	150.12		PKPbc	01:40:25.767	0.4	7.5		2.46		TAS					m_e
MOX	150.12		L	02:54:39.983						T__		2112.7	19.10	a_e Ms	6.0
NEUB	149.56		PKPbc	01:40:24.386	0.0	7.5		2.46		TAS					m_e
NRDL	148.38		PKPbc	01:40:21.186	0.4	7.5		2.46		TAS					m_e
PLN	150.22		PKPbc	01:40:26.097	0.0	7.5		2.46		TAS					m_e
RETH	148.18		PKPbc	01:40:20.710	0.4	7.5		2.46		TAS					m_e
ROTZ	150.93		PKPbc	01:40:27.797	0.4	7.5		2.46		TAS					m_e
UBR	153.19		PKPbc	01:40:32.768		7.5		2.46		TAS					m_e
WERD	150.25		PKPbc	01:40:26.143		7.5		2.46		TAS					m_e
WERN	150.40		PKPbc	01:40:26.730		7.5		2.46		TAS					m_e
WLF	151.28		PKPbc	01:40:29.296		7.5		2.46		TAS					m_e

Event 70717004 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/17	11:05:18.70			55.4220	169.2650				33.0	1.1		24		69.64	74.34	m i ke	BGR
70717010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70717010
MBB	6.3		BGR	70717010
Ms	6.0		BGR	70717010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.37		P	11:16:43.885	0.5	12.8		5.90		TAS		67.1	1.59	m_e	MBB 6.3
ASSE	71.36		P	11:16:32.957	-0.1	12.8		5.90		TAS		68.1	1.57	m_e	MBB 6.3
BRG	72.10		P	11:16:37.156	-0.0	12.8		5.90		TAS		50.6	1.42	m_e	MBB 6.3
BSEG	69.64		P	11:16:23.093	-0.1	12.8		5.90		TAS		79.6	1.35	m_e	MBB 6.5
BUG	72.46		P	11:16:39.231	-0.2	12.8		5.90		TAS		27.3	0.88	m_e	MBB 6.3
CLL	71.82		P	11:16:35.196	0.0	12.8		5.90		TAS		68.4	1.37	m_e	MBB 6.3
CLZ	71.68		P	11:16:35.196	-0.5	12.8		5.90		TAS		77.0	1.34	m_e	MBB 6.4
FBE	72.14		P	11:16:37.617	-0.8	12.8		5.90		TAS		96.3	1.37	m_e	MBB 6.2
FLT1	71.08		P	11:16:30.955	0.1	12.8		5.90		TAS		66.0	1.58	m_e	MBB 6.3
GEC2	74.10		P	11:16:49.144		12.8		5.90		TAS		59.3	1.31	m_e	MBB 6.2
GOR1	70.43		P	11:16:27.589	-0.1	12.8		5.90		TAS		150.9	1.60	m_e	MBB 6.5
GRA1	73.66		P	11:16:47.319		12.8		5.90		TAS				m_e	
GRA1	73.66		L	11:52:52.019						T__		7619.5	20.70	a_e	Ms 6.0
GTTG	72.02		P	11:16:36.994	0.2	12.8		5.90		TAS		47.4	1.38	m_e	MBB 6.3
GUNZ	72.84		P	11:16:41.767	0.4	12.8		5.90		TAS		102.0	1.54	m_e	MBB 6.1
IBBN	71.55		P	11:16:34.556	0.3	12.8		5.90		TAS		124.0	1.43	m_e	MBB 6.5
KAST	72.56		P	11:16:40.153	-0.2	12.8		5.90		TAS		52.0	1.48	m_e	MBB 6.3
MOX	72.67		P	11:16:40.499	0.0	12.8		5.90		TAS		47.1	1.31	m_e	MBB 6.3
MOX	72.67		L	12:02:27.133						T__		7510.0	20.50	a_e	Ms 6.0
NEUB	72.12		P	11:16:37.271	-0.3	12.8		5.90		TAS		158.4	1.89	m_e	MBB 6.4
NRDL	71.08		P	11:16:31.162	-0.4	12.8		5.90		TAS		57.8	1.60	m_e	MBB 6.3
PLN	72.75		P	11:16:41.190	0.1	12.8		5.90		TAS		78.3	1.64	m_e	MBB 6.4
RETH	70.93		P	11:16:30.355	0.6	12.8		5.90		TAS		95.7	1.68	m_e	MBB 6.4
ROTZ	73.44		P	11:16:45.340		12.8		5.90		TAS		17.9	1.43	m_e	MBB 5.7
WERN	72.91		P	11:16:42.689	-0.0	12.8		5.90		TAS		102.3	1.54	m_e	MBB 6.1
WET	73.95		P	11:16:48.683		12.8		5.90		TAS		84.8	1.43	m_e	MBB 6.2
WLF	74.34		P	11:16:50.626		12.8		5.90		TAS		70.7	1.66	m_e	MBB 6.2

Event 70717007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/17	12:07:50.71			-18.1780	-176.0510				33.0			13		143.97	149.71	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.71		PKPbc	12:27:37.024		13.1		2.79		TAS				m_e	
BRG	146.42		PKPbc	12:27:28.124		13.1		2.79		TAS				m_e	
BSEG	143.97		PKPbc	12:27:21.015	-0.0	13.1		2.79		TAS				m_e	

CLL	146.17	PKPbc	12:27:27.316	-0.4	13.1	2.79	TAS	m_e
CLZ	146.03	PKPbc	12:27:27.478	0.4	13.1	2.79	TAS	m_e
FBE	146.48	PKPbc	12:27:28.690		13.1	2.79	TAS	m_e
FLT1	145.44	PKPbc	12:27:25.135	0.5	13.1	2.79	TAS	m_e
GEC2	148.40	PKPbc	12:27:33.365		13.1	2.79	TAS	m_e
GUNZ	147.20	PKPbc	12:27:30.790		13.1	2.79	TAS	m_e
NRDL	145.42	PKPbc	12:27:25.378	0.3	13.1	2.79	TAS	m_e
ROTZ	147.79	PKPbc	12:27:32.083		13.1	2.79	TAS	m_e
TNS	147.83	PKPbc	12:27:32.567		13.1	2.79	TAS	m_e
WERN	147.26	PKPbc	12:27:30.629		13.1	2.79	TAS	m_e

Event 70717010 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/17	23:34:21.68			55.3490	168.2520				15.0			20		69.58	75.71	m i ke	BGR
OrigID 70717016																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	70717016
MBB	7.3		BGR	70717016
Ms	7.5		BGR	70717016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	71.29		P	23:45:38.524	0.0	13.6		5.94		TAS		584.5	1.44	m_e	MBB 7.4
BRG	72.01		P	23:45:42.603	-0.1	13.6		5.94		TAS		633.1	1.38	m_e	MBB 7.3
BSEG	69.58		P	23:45:28.454	0.1	13.6		5.94		TAS		269.1	0.86	m_e	MBB 7.5
CLL	71.74		P	23:45:40.500	-0.7	13.6		5.94		TAS		2333.4	1.84	m_e	MBB 7.3
CLZ	71.61		P	23:45:40.564	0.1	13.6		5.94		TAS		1523.3	1.47	m_e	MBB 7.4
FLT1	71.01		P	23:45:36.230	-0.6	13.6		5.94		TAS		170.9	0.95	m_e	MBB 7.3
GEC2	74.01		P	23:45:54.985	0.4	13.6		5.94		TAS		535.4	1.21	m_e	MBB 7.2
GRA1	73.58		P	23:45:52.400	0.3	13.6		5.94		TAS		282.6	0.85	m_e	mb 6.3
GRA1	73.58		L	00:30:29.414						T__	293619.0	19.40	a_e	Ms	7.6
IBBN	71.50		P	23:45:39.735	0.0	13.6		5.94		TAS		14447.4	2.29	m_e	MBB 7.5
MOX	72.59		P	23:45:46.300	0.0	13.6		5.94		TAS		124.3	0.82	m_e	MBB 7.3
MOX	72.59		L	00:22:16.799						T__	236506.0	22.00	a_e	Ms	7.4
ROTZ	73.36		P	23:45:50.889	0.1	13.6		5.94		TAS		277.9	1.54	m_e	MBB 6.7
UBR	75.71		P	23:46:04.365	-0.4	13.6		5.94		TAS		781.3	1.34	m_e	MBB 7.3
WET	73.85		P	23:45:53.873	0.2	13.6		5.94		TAS		427.0	1.17	m_e	MBB 7.3

Event 70718001 Near Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/17	23:57:46.25			53.1710	170.9080				33.0			5		73.95	78.21	m i ke	BGR
OrigID																	

70718007

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70718007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FBE	74.57		P	00:09:20.265		12.4		5.72		TAS		16.3	1.05	m_e	
IBBN	73.95		P	00:09:16.770		12.4		5.72		TAS		24.8	0.80	m_e	
UBR	78.21		P	00:09:41.186		12.4		5.72		TAS				m_e	
WERD	75.19		P	00:09:24.012		12.4		5.72		TAS		36.3	1.52	m_e mb	5.2
WERN	75.34		P	00:09:24.966		12.4		5.72		TAS		38.2	1.54	m_e	

Event 70718002 Near Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/18	01:06:36.10			53.8000	170.1200				10.0			9		72.77	75.80	m i ke	EMSC
70718034																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70718008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	73.80		P	01:18:10.287		12.8		6.12		TAS		2.7	0.90	m_e mb	4.3
CLL	73.52		P	01:18:09.226		12.8		6.12		TAS		2.5	0.80	m_e mb	4.3
FBE	73.84		P	01:18:11.819		12.8		6.12		TAS		3.4	0.75	m_e mb	4.5
GEC2	75.80		P	01:18:22.427		12.8		6.12		TAS		4.1	0.75	m_e mb	4.6
NRDL	72.77		P	01:18:06.515	0.3	12.8		6.12		TAS		2.3	0.86	m_e mb	4.3
ROTZ	75.14		P	01:18:19.598		12.8		6.12		TAS		3.8	1.40	m_e mb	4.2
WERD	74.46		P	01:18:15.355		12.8		6.12		TAS		4.7	0.96	m_e mb	4.5
WERN	74.61		P	01:18:16.534		12.8		6.12		TAS		6.3	0.91	m_e mb	4.6
WET	75.64		P	01:18:21.602		12.8		6.12		TAS		3.2	0.79	m_e mb	4.5

Event 70718003 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/18	01:51:41.95			55.6020	167.7780				31.0	3.8		23		69.26	75.39	m i ke	BGR
70718009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70718009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.97		P	02:02:54.773	-0.5	13.6		5.93		TAS		32.7	1.48	m_e mb	5.2

BFO	75.02	P	02:03:18.274		13.6	5.93	TAS	11.1	1.06	m_e	mb	4.8
BRG	71.68	P	02:02:58.308	0.5	13.6	5.93	TAS	15.9	1.29	m_e	mb	5.0
BRG	71.68	pP	02:03:08.239				T__			m_e		
BSEG	69.26	P	02:02:44.478	-0.1	13.6	5.93	TAS	30.4	1.16	m_e	mb	5.4
BUG	72.10	P	02:03:01.116	-0.5	13.6	5.93	TAS	12.4	0.85	m_e	mb	5.1
CLL	71.42	P	02:02:56.749	-0.2	13.6	5.93	TAS	27.4	1.27	m_e	mb	5.2
FBE	71.74	P	02:02:59.348	0.1	13.6	5.93	TAS	23.2	1.20	m_e	mb	5.2
FLT1	70.70	P	02:02:52.381	-0.1	13.6	5.93	TAS	10.6	1.06	m_e	mb	4.9
GEC2	73.68	P	02:03:10.787		13.6	5.93	TAS	23.9	1.34	m_e	mb	5.0
GOR1	70.04	P	02:02:48.846	0.1	13.6	5.93	TAS	39.8	1.34	m_e	mb	5.4
GTTG	71.64	P	02:02:58.724	0.2	13.6	5.93	TAS	15.7	1.27	m_e	mb	5.0
GUNZ	72.44	P	02:03:03.404	-0.5	13.6	5.93	TAS	22.7	1.23	m_e	mb	5.2
GUNZ	72.44	pP	02:03:11.856				T__			m_e		
IBBN	71.19	P	02:02:56.021	0.2	13.6	5.93	TAS	35.7	1.15	m_e	mb	5.4
KAST	72.19	P	02:03:02.052	0.1	13.6	5.93	TAS	21.8	1.34	m_e	mb	5.1
MOX	72.28	P	02:03:02.156	0.5	13.6	5.93	TAS	15.6	1.13	m_e	mb	5.0
NRDL	70.70	P	02:02:53.005	-0.6	13.6	5.93	TAS			m_e		
PLN	72.35	P	02:03:02.884	0.1	13.6	5.93	TAS	23.8	1.37	m_e	mb	5.1
RETH	70.56	P	02:02:51.965	0.2	13.6	5.93	TAS	26.5	1.32	m_e	mb	5.2
ROTZ	73.04	P	02:03:07.355		13.6	5.93	TAS	5.9	1.25	m_e	mb	4.6
ROTZ	73.04	pP	02:03:15.811				T__			m_e		
UBR	75.39	P	02:03:20.354		13.6	5.93	TAS	17.7	1.07	m_e	mb	5.0
WERD	72.36	P	02:03:02.988	-0.3	13.6	5.93	TAS	24.6	1.19	m_e	mb	5.2
WERD	72.36	pP	02:03:11.499				T__			m_e		
WERN	72.51	P	02:03:04.236		13.6	5.93	TAS	20.0	1.06	m_e	mb	5.2
WET	73.53	P	02:03:09.955		13.6	5.93	TAS	42.9	1.43	m_e	mb	5.3
WLF	73.99	pP	02:03:21.343				T__			m_e		

Event 70718004 Near coast of Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/18	02:05:19.30			-16.3900	-73.6600			40.0				32		95.90	101.28	m i ke	EMSC
	70718036																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	96.74		Pdiff	02:18:44.024	-1.0					T__					a_e
ASSE	99.34		Pdiff	02:18:57.624	0.4					T__					a_e
BFO	96.87		Pdiff	02:18:45.073	-0.5					T__					m_e
BRG	101.04		Pdiff	02:19:05.124	-0.0					T__					a_e
BSEG	99.59		Pdiff	02:18:58.124	-0.4					T__					a_e
BUG	97.12		Pdiff	02:18:46.874	0.0					T__					a_e
CLL	100.56		Pdiff	02:19:02.824	-0.1					T__					a_e
CLZ	99.09		Pdiff	02:18:56.274	0.2					T__					a_e
FBE	100.69		Pdiff	02:19:03.674	0.2					T__					a_e

FLT1	99.73	Pdiff	02:18:58.674	-0.4	T__	a_e
FUR	98.72	Pdiff	02:18:54.224	-0.0	T__	a_e
GEC2	100.45	Pdiff	02:19:01.924	-0.4	T__	a_e
GOR1	99.93	Pdiff	02:18:59.974	-0.1	T__	a_e
GRA1	99.07	Pdiff	02:18:56.074	0.2	T__	a_e
GTTG	98.77	Pdiff	02:18:54.774	0.2	T__	a_e
GUNZ	99.93	Pdiff	02:19:00.174	0.2	T__	a_e
IBBN	97.66	Pdiff	02:18:49.374	-0.1	T__	a_e
KAST	97.74	Pdiff	02:18:49.674	-0.1	T__	a_e
MOX	99.55	Pdiff	02:18:57.835	-0.3	T__	m_e
NEUB	99.78	Pdiff	02:18:59.474	0.2	T__	a_e
NRDL	99.10	Pdiff	02:18:56.474	0.3	T__	a_e
PLN	99.85	Pdiff	02:18:59.674	0.1	T__	a_e
RETH	98.73	Pdiff	02:18:54.824	0.4	T__	a_e
ROTZ	99.71	Pdiff	02:18:59.024	0.1	T__	a_e
RUE	101.28	Pdiff	02:19:05.824	-0.5	T__	a_e
STU	97.54	Pdiff	02:18:48.574	-0.2	T__	a_e
TNS	97.48	Pdiff	02:18:48.674	0.2	T__	a_e
UBR	97.83	Pdiff	02:18:50.474	0.3	T__	a_e
WERD	99.93	Pdiff	02:18:59.974	0.0	T__	a_e
WERN	99.94	Pdiff	02:19:00.274	0.3	T__	a_e
WET	99.99	Pdiff	02:19:00.174	-0.0	T__	a_e
WLF	95.90	Pdiff	02:18:41.624	0.5	T__	m_e

Event 70718005 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/18	06:02:50.84			56.2380	167.1020				8.1	0.6		25		68.55	74.68	m i ke	BGR
70718011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70718011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.26		P	06:13:58.775	-0.0	13.8		5.98		TAS		12.8	1.23	a_e mb	4.9
BFO	74.30		P	06:14:22.637	-0.5	13.8		5.98		TAS		9.7	0.94	m_e mb	4.8
BFO	74.30		pP	06:14:24.843	-0.6					T__				m_e	
BRG	70.96		P	06:14:02.799	-0.3	13.8		5.98		TAS		8.2	0.93	m_e mb	4.8
BSEG	68.55		P	06:13:48.575	0.0	13.8		5.98		TAS		27.0	1.02	a_e mb	5.4
CLL	70.70		P	06:14:00.925	-0.5	13.8		5.98		TAS		34.5	1.37	a_e mb	5.3
CLL	70.70		pP	06:14:03.404	-0.6					T__				m_e	
CLZ	70.58		P	06:14:01.075	0.4	13.8		5.98		TAS		27.9	1.09	a_e mb	5.3
FBE	71.01		P	06:14:03.358	-0.0	13.8		5.98		TAS		21.0	1.11	m_e mb	5.2
FLT1	69.98		P	06:13:56.710	-0.6	13.8		5.98		TAS		13.0	1.12	m_e mb	5.0
GEC2	72.96		P	06:14:15.088	0.2	13.8		5.98		TAS		7.8	0.87	m_e mb	4.9
GEC2	72.96		pP	06:14:17.272	-0.6					T__				m_e	

GOR1	69.33	P	06:13:53.475	0.2	13.8	5.98	TAS	58.1	1.58	a_e	mb	5.6
GRA1	72.55	P	06:14:12.875	0.4	13.8	5.98	TAS	18.3	0.88	a_e	mb	5.2
GUNZ	71.72	P	06:14:07.872	0.1	13.8	5.98	TAS	22.8	1.22	m_e	mb	5.2
IBBN	70.49	P	06:14:00.225	0.2	13.8	5.98	TAS	44.0	1.20	a_e	mb	5.5
KAST	71.48	P	06:14:06.225	0.2	13.8	5.98	TAS	40.4	1.77	a_e	mb	5.3
MOX	71.56	P	06:14:06.575	-0.0	13.8	5.98	TAS	17.7	1.00	a_e	mb	5.1
MOX	71.56	pP	06:14:08.854	-0.6			T__				m_e	
NRDL	69.99	P	06:13:57.025	-0.1	13.8	5.98	TAS	15.6	1.13	a_e	mb	5.0
PLN	71.63	P	06:14:07.075	0.1	13.8	5.98	TAS				a_e	
RETH	69.85	P	06:13:56.375	0.1	13.8	5.98	TAS	33.4	1.65	a_e	mb	5.2
ROTZ	72.32	P	06:14:11.375	0.3	13.8	5.98	TAS	4.4	1.02	m_e	mb	4.5
ROTZ	72.32	pP	06:14:13.706	-0.6			T__				m_e	
TNS	72.44	P	06:14:11.988	0.0	13.8	5.98	TAS	10.7	0.89	m_e	mb	5.0
UBR	74.68	P	06:14:24.975	-0.2	13.8	5.98	TAS	14.7	1.01	a_e	mb	5.0
WERD	71.64	P	06:14:07.286	0.1	13.8	5.98	TAS	17.8	1.00	m_e	mb	5.2
WERN	71.79	P	06:14:08.333	0.1	13.8	5.98	TAS	19.9	0.95	m_e	mb	5.2
WET	72.81	P	06:14:14.475	0.4	13.8	5.98	TAS	17.9	1.06	a_e	mb	5.1
WET	72.81	pP	06:14:16.808	-0.6			T__				m_e	

Event 70718010 Near Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/18	20:18:45.26			54.1200	171.0600				33.0			17		71.14	77.30	m i ke	BGR
	70718016																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70718016
Ms	3.9		BGR	70718016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	73.63		P	20:30:16.841	-0.2	12.3		5.82		TAS		9.8	1.36	m_e	mb	4.7
BSEG	71.14		P	20:30:02.709	0.1	12.3		5.82		TAS		10.8	0.90	m_e	mb	5.0
CLL	73.35		P	20:30:14.923	-0.1	12.3		5.82		TAS		9.6	1.39	m_e	mb	4.7
FBE	73.68		P	20:30:17.443	-0.3	12.3		5.82		TAS		18.7	1.26	m_e	mb	5.0
GEC2	75.64		P	20:30:29.054		12.3		5.82		TAS		15.3	1.39	m_e	mb	4.9
GRA1	75.18		P	20:30:27.540	0.2	12.3		5.82		TAS		16.7	1.27	m_e	mb	4.9
GRA1	75.18		L	21:00:49.403						T__		69.0	22.00	a_e	Ms	3.9
GUNZ	74.37		P	20:30:21.686	-0.0	12.3		5.82		TAS		10.9	1.32	m_e	mb	4.7
IBBN	73.03		P	20:30:13.849	0.2	12.3		5.82		TAS		32.6	1.12	m_e	mb	5.4
KAST	74.05		P	20:30:19.482	-0.2	12.3		5.82		TAS		7.4	1.32	m_e	mb	4.5
MOX	74.19		P	20:30:20.278	-0.1	12.3		5.82		TAS		9.0	1.25	m_e	mb	4.7
MOX	74.19		L	21:01:23.694						T__		73.9	21.30	a_e	Ms	3.9
NEUB	73.63		P	20:30:16.971	0.1	12.3		5.82		TAS		7.2	0.80	m_e	mb	4.8
PLN	74.27		P	20:30:20.746	-0.2	12.3		5.82		TAS				m_e		
ROTZ	74.97		P	20:30:24.915	1.4	12.3		5.82		TAS		6.9	1.82	m_e	mb	4.4
UBR	77.30		P	20:30:37.828		12.3		5.82		TAS		33.4	1.85	m_e	mb	5.2

WERD	74.29	P	20:30:20.777	0.2	12.3	5.82	TAS	10.6	1.36	m_e	mb	4.7
WET	75.48	P	20:30:28.247	-0.7	12.3	5.82	TAS	14.2	1.38	m_e	mb	4.8
WLF	75.81	P	20:30:29.667	0.4	12.3	5.82	TAS	11.1	1.03	m_e	mb	4.9

Event 70719001 Socotra region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/19	00:54:11.04			12.7240	56.1960				29.7	1.2		21		50.24	54.58	m i ke	BGR
70719007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70719007
Ms	3.7		BGR	70719007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	53.14		P	01:03:27.143		119.1		7.44		TAS		11.3	1.10	m_e	mb	4.7
BRG	51.18		P	01:03:11.972	0.3	119.1		7.44		TAS		9.1	0.90	m_e	mb	4.7
BRG	51.18		pP	01:03:19.840						T__				m_e		
CLL	51.91		P	01:03:17.389	-0.3	119.1		7.44		TAS		12.7	0.91	m_e	mb	4.8
CLZ	53.59		P	01:03:30.057	0.2	119.1		7.44		TAS		11.1	0.77	m_e	mb	5.0
FBE	51.52		P	01:03:14.601	0.2	119.1		7.44		TAS		21.0	1.25	m_e	mb	4.9
FLT1	53.38		P	01:03:27.906	0.1	119.1		7.44		TAS		364.1	3.18	m_e	mb	5.8
FUR	51.31		P	01:03:13.167		119.1		7.44		TAS		68.6	0.88	m_e	mb	5.6
FUR	51.31		pP	01:03:21.247						T__				m_e		
GEC2	50.24		P	01:03:04.801		119.1		7.44		TAS				m_e		
GOR1	53.68		P	01:03:30.057	0.1	119.1		7.44		TAS		20.6	1.14	m_e	mb	5.1
GRA1	52.07		P	01:03:18.186		119.1		7.44		TAS		26.8	0.89	m_e	mb	5.2
GRA1	52.07		L	01:27:35.827						T__		63.2	21.40	a_e	Ms	3.6
GUNZ	51.78		P	01:03:16.672	-0.2	119.1		7.44		TAS		25.4	0.92	m_e	mb	5.1
MOX	52.32		P	01:03:20.656	-0.3	119.1		7.44		TAS		9.7	0.82	m_e	mb	4.8
MOX	52.32		pP	01:03:28.694						T__				m_e		
MOX	52.32		L	01:28:16.389						T__		78.0	21.00	a_e	Ms	3.7
NEUB	52.51		P	01:03:22.090	-0.1	119.1		7.44		TAS		33.8	0.89	m_e	mb	5.3
NEUB	52.51		pP	01:03:30.064						T__				m_e		
NRDL	54.06		P	01:03:33.404	-0.2	119.1		7.44		TAS		33.9	1.20	m_e	mb	5.3
NRDL	54.06		pP	01:03:41.563						T__				m_e		
PLN	51.94		P	01:03:17.389	-0.5	119.1		7.44		TAS		3.8	0.80	m_e	mb	4.4
RETH	54.58		P	01:03:36.750	0.4	119.1		7.44		TAS		19.6	1.11	m_e	mb	5.0
ROTZ	51.55		P	01:03:14.521	0.5	119.1		7.44		TAS		2.4	0.92	m_e	mb	4.1
ROTZ	51.55		pP	01:03:22.650						T__				m_e		
RUE	52.14		P	01:03:19.063	0.2	119.1		7.44		TAS		42.8	0.78	m_e	mb	5.4
UBR	51.78		P	01:03:16.752		119.1		7.44		TAS		16.5	0.87	m_e	mb	5.0
WERD	51.84		P	01:03:16.832	-0.8	119.1		7.44		TAS		12.4	0.96	m_e	mb	4.8
WERD	51.84		pP	01:03:25.256						T__				m_e		
WERN	51.72		P	01:03:16.354	0.3	119.1		7.44		TAS		29.1	1.04	m_e	mb	5.1
WET	50.86		P	01:03:08.785		119.1		7.44		TAS		6.0	1.17	m_e	mb	4.4

Event 70719003 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/19	07:15:12.74			25.4810	127.9520				33.0			17		84.38	88.83	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70719009
Ms	4.0		BGR	70719009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	88.83		P	07:28:02.403		53.9		4.91		TAS		11.0	1.21	m_e mb	5.0
BRG	84.38		P	07:27:40.256	-0.5	53.9		4.91		TAS		4.3	0.76	m_e mb	4.8
BSEG	84.42		P	07:27:41.238	-0.1	53.9		4.91		TAS		20.3	0.76	m_e mb	5.4
CLZ	85.65		P	07:27:47.578	-0.8	53.9		4.91		TAS		22.8	1.00	m_e mb	5.3
FBE	84.66		P	07:27:42.022	0.3	53.9		4.91		TAS		6.7	0.83	m_e mb	4.9
FLT1	84.93		P	07:27:43.084	0.0	53.9		4.91		TAS		13.9	1.04	m_e mb	5.1
FUR	87.36		P	07:27:55.912		53.9		4.91		TAS		26.9	0.76	m_e mb	5.4
GRA1	86.48		L	08:09:01.736						T__		66.8	21.00	a_e Ms	4.0
GTTG	86.03		P	07:27:49.356	0.1	53.9		4.91		TAS		34.4	1.37	m_e mb	5.3
GUNZ	85.51		P	07:27:47.016		53.9		4.91		TAS		9.2	0.77	m_e mb	5.0
KAST	87.01		P	07:27:53.925	0.4	53.9		4.91		TAS		9.0	1.19	m_e mb	4.8
MOX	85.72		L	08:08:39.348						T__		77.3	21.40	a_e Ms	4.1
NRDL	85.39		P	07:27:45.986	0.3	53.9		4.91		TAS		35.7	1.56	m_e mb	5.4
PLN	85.53		P	07:27:46.829	-0.3	53.9		4.91		TAS		6.1	0.78	m_e mb	4.8
RETH	85.60		P	07:27:46.922	-0.6	53.9		4.91		TAS		27.1	1.47	m_e mb	5.2
ROTZ	85.92		P	07:27:48.888		53.9		4.91		TAS		2.4	0.85	m_e mb	4.3
UBR	88.28		P	07:27:59.875		53.9		4.91		TAS		21.6	1.21	m_e mb	5.4
WERD	85.48		P	07:27:46.641		53.9		4.91		TAS		5.4	0.83	m_e mb	4.8
WERN	85.53		P	07:27:47.203		53.9		4.91		TAS		9.5	0.74	m_e mb	5.0

Event 70719006 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/19	13:59:12.62			34.8000	72.6100				33.0			10		44.71	47.17	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70719012
Ms	3.8		BGR	70719012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BRG	44.71	P	14:07:25.571		86.3		7.84	TAS	19.4	0.71	m_e	mb	5.1
BSEG	46.81	P	14:07:42.263	-0.7	86.3		7.84	TAS	32.0	0.80	m_e	mb	5.5
CLZ	46.89	P	14:07:42.724		86.3		7.84	TAS	57.2	1.35	m_e	mb	5.5
FBE	45.08	P	14:07:28.807		86.3		7.84	TAS	36.8	0.95	m_e	mb	5.3
FLT1	46.33	P	14:07:37.721	-0.1	86.3		7.84	TAS	45.9	0.74	m_e	mb	5.6
GEC2	44.99	P	14:07:27.578		86.3		7.84	TAS	6.5	0.87	m_e	mb	4.6
GRA1	46.53	L	14:18:45.911					T__	125.5	21.60	a_e	Ms	3.8
GTTG	47.17	P	14:07:45.067		86.3		7.84	TAS	60.7	1.08	m_e	mb	5.6
MOX	46.20	P	14:07:37.476		86.3		7.84	TAS			m_e		
MOX	46.20	L	14:17:51.400					T__	137.7	21.90	a_e	Ms	3.9
NRDL	47.01	P	14:07:43.775	0.2	86.3		7.84	TAS	23.5	0.93	m_e	mb	5.3
TANN	45.68	P	14:07:33.140		86.3		7.84	TAS	14.9	1.11	m_e	mb	4.9

Event 70719008 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/19	17:04:29.76			-21.8900	-172.6100				33.0			13		147.93	153.61	m i ke	BGR
	70719014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.61		PKPbc	17:24:25.240		4.9		2.48		TAS					m_e
BRG	150.62		PKPbc	17:24:18.165		4.9		2.48		TAS					m_e
BSEG	147.93		PKPbc	17:24:11.276	0.5	4.9		2.48		TAS					m_e
CLL	150.31		PKPbc	17:24:17.399		4.9		2.48		TAS					m_e
CLZ	150.01		PKPbc	17:24:17.134	0.3	4.9		2.48		TAS					m_e
FBE	150.65		PKPbc	17:24:18.471		4.9		2.48		TAS					m_e
FLT1	149.47		PKPbc	17:24:15.026	0.1	4.9		2.48		TAS					m_e
GUNZ	151.32		PKPbc	17:24:20.308		4.9		2.48		TAS					m_e
MOX	151.11		PKPbc	17:24:19.619		4.9		2.48		TAS					m_e
PLN	151.21		PKPbc	17:24:19.704		4.9		2.48		TAS					m_e
ROTZ	151.92		PKPbc	17:24:21.397		4.9		2.48		TAS					m_e
TANN	151.25		PKPbc	17:24:20.002		4.9		2.48		TAS					m_e
WERD	151.24		PKPbc	17:24:19.848		4.9		2.48		TAS					m_e

Event 70719009 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/19	17:11:52.13			-17.0360	-172.0570				35.9	3.3		24		144.69	149.39	m i ke	BGR
	70719015																

Magnitude Err Nsta Author OrigID

Ms 5.0 BGR 70719015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.92		PKPbc	17:31:23.899	-0.2	5.8		2.88		TAS				m_e	
BFO	148.79		PKPbc	17:31:35.070		5.8		2.88		TAS				m_e	
BFO	148.79		pPKPbc	17:31:44.857						T__				m_e	
BRG	145.90		PKPbc	17:31:26.929	0.3	5.8		2.88		TAS				m_e	
BUG	145.67		PKPbc	17:31:26.501	-0.0	5.8		2.88		TAS				m_e	
BUG	145.67		pPKPbc	17:31:37.434						T__				m_e	
CLL	145.57		PKPbc	17:31:25.975	0.0	5.8		2.88		TAS				m_e	
CLZ	145.22		PKPbc	17:31:25.414	-0.2	5.8		2.88		TAS				m_e	
FBE	145.92		PKPbc	17:31:27.224	-0.1	5.8		2.88		TAS				m_e	
FLT1	144.69		PKPbc	17:31:22.943	0.1	5.8		2.88		TAS				a_e	
GEC2	147.93		PKPbc	17:31:32.993		5.8		2.88		TAS				a_e	
GEC2	147.93		pPKPbc	17:31:43.883						T__				m_e	
GRA1	147.32		PKPbc	17:31:31.629	-0.5	5.8		2.88		TAS				m_e	
GRA1	147.32		L	18:44:05.020						T__		220.5	18.00	a_e Ms	5.0
GTTG	145.53		PKPbc	17:31:26.155	0.0	5.8		2.88		TAS				m_e	
GUNZ	146.57		PKPbc	17:31:29.338	0.3	5.8		2.88		TAS				m_e	
GUNZ	146.57		pPKPbc	17:31:40.246						T__				m_e	
KAST	145.91		PKPbc	17:31:27.294	-0.3	5.8		2.88		TAS				m_e	
MOX	146.34		PKPbc	17:31:28.450	0.1	5.8		2.88		TAS				m_e	
MOX	146.34		pPKPbc	17:31:39.637						T__				m_e	
MOX	146.34		L	18:42:24.836						T__		294.3	18.60	a_e Ms	5.1
NEUB	145.79		PKPbc	17:31:26.757	0.1	5.8		2.88		TAS				m_e	
PLN	146.46		PKPbc	17:31:28.578	0.3	5.8		2.88		TAS				m_e	
ROTZ	147.17		PKPbc	17:31:31.035	0.0	5.8		2.88		TAS				m_e	
TANN	146.50		PKPbc	17:31:28.960	0.3	5.8		2.88		TAS				m_e	
TNS	146.89		PKPbc	17:31:30.367	0.5	5.8		2.88		TAS				m_e	
UBR	149.39		PKPbc	17:31:36.475		5.8		2.88		TAS				m_e	
WERD	146.49		PKPbc	17:31:29.090	0.4	5.8		2.88		TAS				m_e	
WERN	146.64		PKPbc	17:31:29.599	0.4	5.8		2.88		TAS				m_e	
WET	147.72		PKPbc	17:31:32.397	-0.7	5.8		2.88		TAS				m_e	
WLF	147.42		PKPbc	17:31:32.327	-0.1	5.8		2.88		TAS				m_e	
WLF	147.42		pPKPbc	17:31:43.214						T__				m_e	

Event 70720001 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/20	00:11:34.17			39.0360	141.8840				47.4	0.4		21		78.45	83.74	m i ke	BGR
70720007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70720007
Ms	5.7		BGR	70720007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.37		P	00:23:49.070		36.6		5.30		TAS		124.7	1.23	m_e	mb	5.9
AHRW	82.37		pP	00:24:02.642	0.4					T__					m_e	
ASSE	79.77		P	00:23:35.726	-0.4	36.6		5.30		TAS		68.3	1.18	m_e	mb	5.5
BFO	83.74		P	00:23:56.158		36.6		5.30		TAS		285.5	1.24	m_e	mb	6.4
BRG	79.52		P	00:23:34.252		36.6		5.30		TAS		98.1	1.09	m_e	mb	5.7
BSEG	78.45		P	00:23:29.018	0.4	36.6		5.30		TAS		176.4	1.13	m_e	mb	6.1
CLL	79.55		P	00:23:34.145	-0.3	36.6		5.30		TAS		180.4	1.07	m_e	mb	5.9
CLL	79.55		pP	00:23:47.949	0.4					T__					m_e	
CLZ	80.11		P	00:23:37.822	0.2	36.6		5.30		TAS		238.4	1.18	m_e	mb	6.0
FBE	79.72		P	00:23:35.372	0.1	36.6		5.30		TAS		231.7	1.24	m_e	mb	6.0
FLT1	79.40		P	00:23:33.157	-0.2	36.6		5.30		TAS		226.3	1.23	m_e	mb	6.1
FUR	82.73		P	00:23:52.012		36.6		5.30		TAS		242.1	1.12	m_e	mb	6.3
GEC2	81.21		P	00:23:42.885		36.6		5.30		TAS		77.7	1.09	m_e	mb	5.7
GRA1	81.52		P	00:23:45.007		36.6		5.30		TAS		261.4	1.20	m_e	mb	6.2
GRA1	81.52		L	01:05:05.747						T__		3154.9	18.60	a_e	Ms	5.7
GTTG	80.50		P	00:23:39.526	-0.1	36.6		5.30		TAS		177.6	1.18	m_e	mb	6.0
MOX	80.61		P	00:23:39.859		36.6		5.30		TAS		92.3	1.21	m_e	mb	5.7
MOX	80.61		L	01:04:35.949						T__		2969.8	20.00	a_e	Ms	5.6
RETH	79.75		P	00:23:35.668	-0.2	36.6		5.30		TAS		201.5	1.29	m_e	mb	5.9
ROTZ	81.08		pP	00:23:56.150	0.4					T__					m_e	
UBR	83.59		P	00:23:55.865		36.6		5.30		TAS		66.7	1.15	m_e	mb	5.8
WERD	80.50		P	00:23:39.021		36.6		5.30		TAS		84.3	1.26	m_e	mb	5.5
WERN	80.60		P	00:23:40.120		36.6		5.30		TAS		140.7	1.35	m_e	mb	5.8
WET	81.31		pP	00:23:57.524	0.4					T__					m_e	
WLF	83.43		P	00:23:54.804		36.6		5.30		TAS		200.8	1.48	m_e	mb	6.1

Event 70720009 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/20	22:31:11.60			36.9300	27.4200				10.0					15.55	21.89	m i ke	EMSC
	70720041																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	19.94		Pn	22:35:43.521						T__					m_e
ASSE	19.25		Pn	22:35:36.158						T__					m_e
BFO	18.03		Pn	22:35:23.784						T__					m_e
BRG	16.95		Pn	22:35:09.355						T__					m_e
BSEG	20.72		Pn	22:35:51.062						T__					m_e
BUG	20.38		Pn	22:35:48.334						T__					m_e
CLL	17.66		Pn	22:35:18.077						T__					m_e
CLZ	19.18		Pn	22:35:35.833						T__					m_e
FBE	17.23		Pn	22:35:13.908						T__					m_e
FLT1	19.16		Pn	22:35:35.173						T__					m_e

FUR	16.32	Pn	22:35:02.870	T__	m_e
GEC2	15.55	Pn	22:34:51.451	T__	m_e
GOR1	19.62	Pn	22:35:40.785	T__	m_e
GRA1	17.32	Pn	22:35:13.585	T__	m_e
GTTG	19.16	Pn	22:35:36.189	T__	m_e
GUNZ	17.26	Pn	22:35:13.851	T__	m_e
HLG	21.89	Pn	22:36:05.183	T__	m_e
IBBN	20.69	Pn	22:35:51.870	T__	m_e
KAST	19.67	Pn	22:35:41.771	T__	m_e
MOX	17.78	Pn	22:35:19.844	T__	m_e
NEUB	18.10	Pn	22:35:26.389	T__	m_e
NRDL	19.76	Pn	22:35:41.354	T__	m_e
RETH	20.25	Pn	22:35:47.005	T__	m_e
RGN	20.11	Pn	22:35:46.944	T__	m_e
ROTZ	16.90	Pn	22:35:09.428	T__	m_e
RUE	18.27	Pn	22:35:26.803	T__	m_e
STU	17.80	Pn	22:35:21.892	T__	m_e
TANN	17.24	Pn	22:35:13.507	T__	m_e
TNS	19.04	Pn	22:35:35.080	T__	m_e
UBR	16.68	Pn	22:35:04.068	T__	m_e
WERD	17.33	Pn	22:35:13.964	T__	m_e
WERN	17.19	Pn	22:35:13.059	T__	m_e
WET	16.15	Pn	22:34:59.025	T__	m_e
WLF	19.95	Pn	22:35:45.191	T__	m_e

Event 70720010 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/20	22:59:42.89			55.1600	169.5100				33.0			12		71.84	75.68	m i ke	BGR
70720016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70720016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	75.68		P	23:11:24.704		12.5		5.80		TAS		14.5	1.15	m_e mb	5.0
BRG	72.39		P	23:11:05.468	0.1	12.5		5.80		TAS				m_e	
CLZ	71.97		P	23:11:03.809	-0.7	12.5		5.80		TAS		30.0	1.12	m_e mb	5.3
FUR	75.43		P	23:11:24.207		12.5		5.80		TAS		15.2	0.81	m_e mb	5.1
GEC2	74.40		P	23:11:17.915		12.5		5.80		TAS		68.4	1.81	m_e mb	5.4
GRA1	73.95		P	23:11:15.577	-0.5	12.5		5.80		TAS		21.6	0.79	m_e mb	5.2
GUNZ	73.13		P	23:11:10.523	0.3	12.5		5.80		TAS		13.5	0.96	m_e mb	5.0
IBBN	71.84		P	23:11:02.904	0.1	12.5		5.80		TAS		39.5	0.82	m_e mb	5.6
ROTZ	73.73		P	23:11:14.143	0.1	12.5		5.80		TAS		5.6	1.07	m_e mb	4.5
WERD	73.05		P	23:11:09.994	0.1	12.5		5.80		TAS		22.3	0.99	m_e mb	5.3
WERN	73.20		P	23:11:10.975	0.4	12.5		5.80		TAS		22.8	0.84	m_e mb	5.3

WET 74.24 P 23:11:17.311 12.5 5.80 TAS 24.6 1.00 m_e mb 5.2

Event 70721003 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
2017/07/21	07:24:03.34			3.6600	95.1400				48.1	0.5		19		81.61	85.17	m i ke	BGR
OrigID 70721009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70721009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.17		P	07:36:34.148		92.5		5.13		TAS		8.2	0.74	m_e mb	5.0
BRG	81.61		P	07:36:16.210	-0.1	92.5		5.13		TAS		10.3	0.94	m_e mb	4.9
BRG	81.61		pP	07:36:30.145	0.0	91.6		5.20		TAS				m_e	
BSEG	84.01		P	07:36:28.649		92.5		5.13		TAS		19.4	0.91	m_e mb	5.3
BSEG	84.01		pP	07:36:42.468		91.6		5.20		TAS				m_e	
CLL	82.24		P	07:36:18.948	-0.5	92.5		5.13		TAS		17.5	1.24	m_e mb	5.0
CLL	82.24		pP	07:36:32.936	-0.1	91.6		5.20		TAS				m_e	
CLZ	83.90		P	07:36:28.033		92.5		5.13		TAS		11.6	0.82	m_e mb	5.1
CLZ	83.90		pP	07:36:41.987		91.6		5.20		TAS				m_e	
FBE	81.99		P	07:36:18.401	0.2	92.5		5.13		TAS		16.9	0.78	m_e mb	5.2
FBE	81.99		pP	07:36:32.390	0.1	91.6		5.20		TAS				m_e	
GEC2	81.62		P	07:36:16.362	0.1	92.5		5.13		TAS		18.7	0.86	m_e mb	5.2
GEC2	81.62		pP	07:36:30.433	0.1	91.6		5.20		TAS				m_e	
GRA1	83.29		P	07:36:25.334	0.1	92.5		5.13		TAS		14.5	0.86	m_e mb	5.2
GUNZ	82.60		P	07:36:21.318	-0.2	92.5		5.13		TAS		10.9	1.07	m_e mb	5.0
MOX	83.08		P	07:36:23.620	-0.0	92.5		5.13		TAS		21.0	1.51	m_e mb	5.1
RETH	84.55		P	07:36:31.434		92.5		5.13		TAS		8.8	1.07	m_e mb	4.9
RETH	84.55		pP	07:36:45.233		91.6		5.20		TAS				m_e	
ROTZ	82.65		P	07:36:21.945	-0.2	92.5		5.13		TAS		2.4	0.84	m_e mb	4.4
RUE	81.84		P	07:36:17.372	-0.1	92.5		5.13		TAS		56.6	0.64	m_e mb	5.8
TANN	82.53		P	07:36:20.899	0.1	92.5		5.13		TAS		13.9	1.37	m_e mb	5.0
TANN	82.53		pP	07:36:34.791	-0.2	91.6		5.20		TAS				m_e	
TNS	85.09		P	07:36:34.266		92.5		5.13		TAS		13.3	1.09	m_e mb	5.1
UBR	83.97		P	07:36:28.080		92.5		5.13		TAS		9.8	0.85	m_e mb	5.1
WERD	82.63		P	07:36:21.272	0.4	92.5		5.13		TAS		7.8	0.93	m_e mb	4.9
WERD	82.63		pP	07:36:35.225	-0.0	91.6		5.20		TAS				m_e	
WERN	82.57		P	07:36:21.258	-0.0	92.5		5.13		TAS		7.8	0.89	m_e mb	4.9
WERN	82.57		pP	07:36:35.109	0.0	91.6		5.20		TAS				m_e	
WET	82.18		P	07:36:19.251	0.1	92.5		5.13		TAS		7.4	0.91	m_e mb	4.8
WET	82.18		pP	07:36:33.312	-0.4	91.6		5.20		TAS				m_e	

Event 70721004 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/21	09:15:52.36			-15.8570	-172.8990				33.0			21		143.63	148.17	m i ke	BGR
OrigID 70721010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	70721010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.60		PKPbc	09:35:32.917		7.1		3.09		TAS					m_e
BRG	144.64		PKPbc	09:35:23.492	-0.1	7.1		3.09		TAS					m_e
BUG	144.50		PKPbc	09:35:23.315	0.3	7.1		3.09		TAS					m_e
CLL	144.32		PKPbc	09:35:22.155	0.4	7.1		3.09		TAS					m_e
CLZ	144.01		PKPbc	09:35:22.107	0.1	7.1		3.09		TAS					m_e
FBE	144.66		PKPbc	09:35:24.040	0.3	7.1		3.09		TAS					m_e
FUR	147.60		PKPbc	09:35:32.788		7.1		3.09		TAS					m_e
GEC2	146.66		PKPbc	09:35:30.127		7.1		3.09		TAS					m_e
GRA1	146.09		L	10:27:14.438						T__		446.8	20.30	a_e Ms	5.2
GTTG	144.32		PKPbc	09:35:23.035	0.2	7.1		3.09		TAS					m_e
GUNZ	145.32		PKPbc	09:35:26.301		7.1		3.09		TAS					m_e
IBBN	143.63		PKPbc	09:35:20.851	0.1	7.1		3.09		TAS					m_e
KAST	144.73		PKPbc	09:35:24.193	0.4	7.1		3.09		TAS					m_e
MOX	145.11		PKPbc	09:35:25.364	-0.2	7.1		3.09		TAS					m_e
MOX	145.11		L	10:25:29.496						T__		460.2	20.60	a_e Ms	5.2
NEUB	144.55		PKPbc	09:35:23.495	0.5	7.1		3.09		TAS					m_e
ROTZ	145.93		PKPbc	09:35:28.233		7.1		3.09		TAS					m_e
TANN	145.26		PKPbc	09:35:26.008		7.1		3.09		TAS					m_e
UBR	148.17		PKPbc	09:35:34.313		7.1		3.09		TAS					m_e
WERD	145.24		PKPbc	09:35:25.832	-0.5	7.1		3.09		TAS					m_e
WERN	145.39		PKPbc	09:35:26.593		7.1		3.09		TAS					m_e
WET	146.47		PKPbc	09:35:29.894		7.1		3.09		TAS					m_e
WLF	146.27		PKPbc	09:35:29.823		7.1		3.09		TAS					m_e

Event 70722001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	01:46:51.24			41.0800	143.5900				33.0			24		77.20	81.90	m i ke	BGR
OrigID 70722007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70722007
Ms	4.8		BGR	70722007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	78.42		P	01:58:49.757	-0.2	34.6		5.41		TAS		6.6	0.97	m_e mb	4.7

BSEG	77.20	P	01:58:43.496	-0.0	34.6	5.41	TAS	29.6	1.11	m_e	mb	5.3
BUG	80.31	P	01:58:59.923	-0.0	34.6	5.41	TAS	7.1	0.92	m_e	mb	4.6
CLL	78.41	P	01:58:49.469	-0.1	34.6	5.41	TAS	16.6	1.00	m_e	mb	5.1
CLZ	78.92	P	01:58:53.067	0.1	34.6	5.41	TAS	26.3	1.23	m_e	mb	5.1
FBE	78.60	P	01:58:50.980	0.1	34.6	5.41	TAS	12.1	0.93	m_e	mb	4.9
FLT1	78.21	P	01:58:48.389	-0.5	34.6	5.41	TAS	16.1	0.91	m_e	mb	5.1
FUR	81.63	P	01:59:07.316		34.6	5.41	TAS	23.4	0.81	m_e	mb	5.4
GEC2	80.15	P	01:58:59.112		34.6	5.41	TAS	6.0	1.02	m_e	mb	4.5
GRA1	80.39	P	01:59:01.055		34.6	5.41	TAS	19.1	0.90	m_e	mb	5.0
GRA1	80.39	L	02:38:16.836				T__	359.6	18.20	a_e	Ms	4.8
GTTG	79.31	P	01:58:54.938	-0.2	34.6	5.41	TAS	14.5	0.93	m_e	mb	5.0
GUNZ	79.43	P	01:58:55.514	-0.2	34.6	5.41	TAS	10.3	1.22	m_e	mb	4.7
IBBN	79.41	P	01:58:55.370	-0.2	34.6	5.41	TAS	21.0	0.94	m_e	mb	5.1
MOX	79.46	P	01:58:55.586	0.4	34.6	5.41	TAS	10.5	1.18	m_e	mb	4.8
MOX	79.46	L	02:39:40.690				T__	585.9	19.20	a_e	Ms	4.9
NEUB	78.96	P	01:58:52.635	0.1	34.6	5.41	TAS	21.6	1.09	m_e	mb	5.1
NRDL	78.47	P	01:58:50.189	0.4	34.6	5.41	TAS	43.4	1.91	m_e	mb	5.3
RETH	78.52	P	01:58:50.612	-0.4	34.6	5.41	TAS	25.0	1.46	m_e	mb	5.0
ROTZ	79.97	P	01:58:58.681		34.6	5.41	TAS	7.6	1.63	m_e	mb	4.4
STU	81.90	P	01:59:08.540		34.6	5.41	TAS	55.0	0.94	m_e	mb	5.7
TANN	79.34	P	01:58:54.938	-0.2	34.6	5.41	TAS	34.5	2.16	m_e	mb	5.0
TNS	80.94	P	01:59:03.349		34.6	5.41	TAS	13.8	1.19	m_e	mb	4.9
WERD	79.37	P	01:58:55.010	0.4	34.6	5.41	TAS	18.4	1.23	m_e	mb	5.0
WERN	79.48	P	01:58:55.730	-0.0	34.6	5.41	TAS	14.9	1.16	m_e	mb	4.9
WET	80.22	P	01:59:00.048		34.6	5.41	TAS	16.8	1.15	m_e	mb	4.9

Event 70722002 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	02:13:08.18	0.50	1.36	42.5240	13.4930	8.9	8.9	157	10.0			26	305	4.06	8.45	m i ke	BGR
70722008																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	70722008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.94		Sn	02:15:17.467	-0.2					T__					m_e
ARSA	4.94		Pn	02:14:22.473	0.4					T__					m_e ML 3.8
BALST	6.33		Sn	02:15:50.060	-0.5					T__					m_e
BALST	6.33		Pn	02:14:40.201	-0.6					T__					m_e
BERGE	6.53		Sn	02:15:53.418	-2.0					T__					m_e
BERGE	6.53		Pn	02:14:43.534	0.0					T__					m_e
DAVA	5.41		Sn	02:15:32.300	3.6					T__					m_e
DAVA	5.41		Pn	02:14:29.874	1.5					T__					m_e
ECH	7.23		Sn	02:16:08.853	-3.1					T__					m_e
ECH	7.23		Pn	02:14:52.335	-0.6					T__					m_e

2017/07/22 08:44:08.56 35.2520 73.6390 269.8 46.92 46.92 m i ke BGR
70722010

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 70722010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	46.92		P	08:52:09.883		91.8		6.73		TAS		8.8	1.11	m_e	mb 4.8
GRA1	46.92		pP	08:53:07.806		92.8		7.31		TAS				m_e	

Event 70722005 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	09:29:36.51			32.6720	140.6000				108.1	0.7		24		83.64	86.75	m i ke	BGR
OrigID 70722011																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 70722011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.88		P	09:41:57.778	-0.4	40.7		4.95		TAS		13.5	1.04	a_e	mb 5.1
ASSE	84.88		pP	09:42:25.938						T__				m_e	
BRG	84.46		P	09:41:55.728	-0.0	40.7		4.95		TAS		19.6	0.76	m_e	mb 5.4
BSEG	83.64		P	09:41:51.828	0.0	40.7		4.95		TAS		29.0	1.06	a_e	mb 5.4
BUG	86.75		P	09:42:06.678	-0.1	40.7		4.95		TAS		33.4	1.44	a_e	mb 5.3
CLL	84.54		P	09:41:55.878	0.2	40.7		4.95		TAS		46.0	0.83	a_e	mb 5.7
CLZ	85.22		P	09:41:59.878	-0.3	40.7		4.95		TAS		30.8	0.99	a_e	mb 5.5
FBE	84.67		P	09:41:57.128	-0.1	40.7		4.95		TAS		37.2	0.78	a_e	mb 5.7
FLT1	84.50		P	09:41:55.478	0.1	40.7		4.95		TAS		35.8	0.86	a_e	mb 5.6
GEC2	86.05		P	09:42:03.281		40.7		4.95		TAS		6.0	0.68	m_e	mb 4.8
GOR1	83.97		P	09:41:53.678	-0.0	40.7		4.95		TAS		34.0	1.11	a_e	mb 5.5
GRA1	86.50		P	09:42:06.428		40.7		4.95		TAS		26.9	1.30	a_e	mb 5.2
GTTG	85.61		P	09:42:01.578	0.0	40.7		4.95		TAS		19.9	0.90	a_e	mb 5.2
GUNZ	85.52		P	09:42:01.128	0.0	40.7		4.95		TAS		10.0	0.81	a_e	mb 5.0
IBBN	85.88		P	09:42:02.778	0.3	40.7		4.95		TAS		31.3	1.05	a_e	mb 5.4
KAST	86.49		P	09:42:05.828	-0.1	40.7		4.95		TAS		9.8	1.15	a_e	mb 4.8
MOX	85.61		P	09:42:01.578	0.0	40.7		4.95		TAS		11.4	1.07	a_e	mb 4.9
NEUB	85.14		P	09:41:59.128	0.0	40.7		4.95		TAS		44.6	0.93	a_e	mb 5.7
NRDL	84.82		P	09:41:57.578	-0.5	40.7		4.95		TAS		11.7	1.00	a_e	mb 5.1
NRDL	84.82		pP	09:42:25.436						T__				m_e	
RETH	84.93		P	09:41:58.128	-0.0	40.7		4.95		TAS		20.3	1.13	a_e	mb 5.3
ROTZ	86.02		P	09:42:03.928		40.7		4.95		TAS		4.7	1.31	a_e	mb 4.5
TANN	85.43		P	09:42:00.628	0.5	40.7		4.95		TAS		19.7	1.57	a_e	mb 5.1
WERD	85.47		P	09:42:00.778	0.3	40.7		4.95		TAS		17.9	1.31	a_e	mb 5.1
WERN	85.56		P	09:42:01.428	-0.5	40.7		4.95		TAS		12.9	0.97	a_e	mb 5.0
WET	86.20		P	09:42:04.478		40.7		4.95		TAS		5.1	1.09	a_e	mb 4.6

Event 70722006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	10:11:15.20			-20.0900	170.1960				33.0					146.04	146.04	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.04		PKPbc	10:30:51.060		44.7		3.20		TAS					m_e

Event 70722008 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	17:09:21.50			36.9600	27.3400				10.0					15.49	19.12	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
CLL	17.61		P	17:13:32.603		131.4		0.00		TAS					m_e
CLZ	19.12		P	17:13:46.521		131.4		0.00		TAS					m_e
GEC2	15.49		P	17:13:03.523		131.4		0.00		TAS					m_e
MOX	17.72		P	17:13:30.827		131.4		0.00		TAS					m_e
UBR	16.61		P	17:13:18.002		131.4		0.00		TAS					m_e

Event 70722009 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	17:25:46.10			36.6200	26.7800				142.0				17	15.51	19.61	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	19.24		P	17:29:59.971		133.0		10.80		TAS					m_e
CLL	17.67		P	17:29:43.677	-0.0	133.0		10.80		TAS					m_e
CLZ	19.16		P	17:29:59.438		133.0		10.80		TAS					m_e
FBE	17.23		P	17:29:39.301	0.8	133.0		10.80		TAS					m_e

FLT1	19.16	P	17:29:58.797	133.0	10.80	TAS	m_e
FUR	16.22	P	17:29:27.676	-0.5 133.0	10.80	TAS	m_e
FUR	16.22	pP	17:29:54.004			T__	m_e
GEC2	15.51	P	17:29:19.323	-1.4 133.0	10.80	TAS	m_e
GTTG	19.13	P	17:29:59.602	133.0	10.80	TAS	m_e
GUNZ	17.24	P	17:29:39.366	1.1 133.0	10.80	TAS	m_e
KAST	19.61	P	17:30:04.150	133.0	10.80	TAS	m_e
NEUB	18.09	P	17:29:48.513	-0.4 133.0	10.80	TAS	m_e
STU	17.68	P	17:29:44.721	-0.3 133.0	10.80	TAS	m_e
TANN	17.22	P	17:29:38.882	0.5 133.0	10.80	TAS	m_e
TNS	18.96	P	17:29:57.745	133.0	10.80	TAS	m_e
UBR	16.55	P	17:29:31.559	0.7 133.0	10.80	TAS	m_e
WERD	17.31	P	17:29:40.312	-0.2 133.0	10.80	TAS	m_e
WET	16.11	P	17:29:26.237	-0.9 133.0	10.80	TAS	m_e

Event 70722010 Northeastern China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/22	23:13:54.94			46.7520	123.9420				33.0			25		65.00	69.27	m i ke	BGR
OrigID 70722016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70722016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	66.16	P		23:24:37.083	-0.4	43.2		6.33		TAS		15.5	1.40	m_e mb	5.0
BRG	65.62	P		23:24:33.802	0.1	43.2		6.33		TAS		10.4	1.11	m_e mb	5.0
BSEG	65.00	P		23:24:30.042	0.1	43.2		6.33		TAS		8.0	1.06	m_e mb	4.9
BUG	68.09	P		23:24:49.168	-0.2	43.2		6.33		TAS		15.0	1.13	m_e mb	5.1
CLL	65.73	P		23:24:34.270	0.1	43.2		6.33		TAS		13.1	1.10	m_e mb	5.1
CLZ	66.49	P		23:24:39.648	-0.2	43.2		6.33		TAS		17.7	1.17	m_e mb	5.2
FBE	65.85	P		23:24:35.463	-0.0	43.2		6.33		TAS		12.4	1.14	m_e mb	5.0
FLT1	65.77	P		23:24:34.239	-0.2	43.2		6.33		TAS		20.8	1.21	m_e mb	5.2
FUR	68.78	P		23:24:53.988		43.2		6.33		TAS		19.2	1.13	m_e mb	5.2
GEC2	67.17	P		23:24:43.645		43.2		6.33		TAS		5.6	1.09	m_e mb	4.7
GRA1	67.69	P		23:24:47.487		43.2		6.33		TAS		26.6	1.11	m_e mb	5.4
GRA1	67.69	L		23:58:05.417						T__		700.9	20.80	a_e	
GTTG	66.88	P		23:24:42.002	0.0	43.2		6.33		TAS		15.5	1.17	m_e mb	5.1
GUNZ	66.71	P		23:24:40.833	-0.1	43.2		6.33		TAS		12.1	1.11	m_e mb	5.0
IBBN	67.25	P		23:24:43.851	0.1	43.2		6.33		TAS		53.0	1.93	m_e mb	5.4
MOX	66.82	P		23:24:41.707	0.0	43.2		6.33		TAS		9.2	1.15	m_e mb	4.9
MOX	66.82	L		23:57:28.171						T__		607.9	19.20	a_e	
NEUB	66.36	P		23:24:38.368	0.0	43.2		6.33		TAS		15.6	1.15	m_e mb	5.1
NRDL	66.13	P		23:24:37.091	-0.2	43.2		6.33		TAS		11.5	1.14	m_e mb	5.0
RETH	66.26	P		23:24:38.083	-0.6	43.2		6.33		TAS		12.1	1.12	m_e mb	5.0
ROTZ	67.19	P		23:24:44.130		43.2		6.33		TAS		3.3	1.17	m_e mb	4.5

STU	69.27	P	23:24:56.674		43.2	6.33	TAS	35.4	1.04	m_e mb	5.5
TANN	66.61	P	23:24:40.266	0.2	43.2	6.33	TAS	8.1	1.07	m_e mb	4.9
TNS	68.51	P	23:24:52.205	0.0	43.2	6.33	TAS	4.0	0.72	m_e mb	4.7
WERD	66.66	P	23:24:40.529	0.4	43.2	6.33	TAS	12.4	1.21	m_e mb	5.0
WERN	66.74	P	23:24:41.199	-0.4	43.2	6.33	TAS	9.8	1.14	m_e mb	4.9
WET	67.34	P	23:24:45.009		43.2	6.33	TAS	7.4	1.09	m_e mb	4.8

Event 70723001 Near Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/23	04:10:10.77			54.2250	171.8350				21.5	0.3		16		71.13	76.87	m i ke	BGR
70723007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70723007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	76.87		P	04:21:59.023		11.6		5.80		TAS		18.4	1.68	m_e mb	4.9	
BRG	73.65		P	04:21:40.470		11.6		5.80		TAS		5.3	0.81	m_e mb	4.6	
BSEG	71.13		P	04:21:26.098	0.3	11.6		5.80		TAS		9.2	0.83	m_e mb	4.9	
BUG	73.92		P	04:21:42.152	0.2	11.6		5.80		TAS		6.7	0.84	m_e mb	4.7	
CLL	73.36		P	04:21:38.513	0.2	11.6		5.80		TAS		5.0	0.82	m_e mb	4.7	
CLZ	73.18		P	04:21:38.379	0.1	11.6		5.80		TAS		84.9	2.31	m_e mb	5.5	
GEC2	75.66		P	04:21:52.495		11.6		5.80		TAS		8.6	0.78	m_e mb	4.9	
GEC2	75.66		pP	04:21:58.540						T__				m_e		
GRA1	75.18		P	04:21:49.939		11.6		5.80		TAS		5.7	0.83	m_e mb	4.6	
GUNZ	74.37		P	04:21:45.118		11.6		5.80		TAS		10.3	1.34	m_e mb	4.7	
GUNZ	74.37		pP	04:21:51.339						T__				m_e		
IBBN	73.01		P	04:21:37.275	0.1	11.6		5.80		TAS		14.6	0.69	m_e mb	5.2	
MOX	74.19		P	04:21:43.956		11.6		5.80		TAS		5.2	0.94	m_e mb	4.5	
ROTZ	74.97		P	04:21:48.723		11.6		5.80		TAS		0.8	0.90	m_e mb	3.7	
TANN	74.31		P	04:21:44.653		11.6		5.80		TAS		15.5	1.53	m_e mb	4.8	
WERD	74.29		P	04:21:44.711		11.6		5.80		TAS		7.0	1.07	m_e mb	4.6	
WERN	74.44		P	04:21:45.568		11.6		5.80		TAS		9.8	0.91	m_e mb	4.8	
WET	75.49		P	04:21:51.740		11.6		5.80		TAS		6.0	0.86	m_e mb	4.6	

Event 70723002 Kyrgyzstan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/23	10:36:29.18			40.6210	77.0640				14.2					45.94	45.94	m i ke	BGR
70723008																	

Magnitude	Err	Nsta	Author	OrigID
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mb 4.8 BGR 70723008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.94		P	10:44:50.414		80.1		7.21		TAS		11.6	1.23	m_e	mb 4.8
GRA1	45.94		pP	10:44:54.229						T__		11.6	1.23	m_e	

Event 70723003 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/23	11:38:43.30			5.3600	94.3900				53.0					81.52	81.52	m i ke	NEIC-M
																	70723098

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 70723009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.52		P	11:50:55.773		91.7		4.19		TAS		4.5	1.03	m_e	mb 4.5

Event 70723004 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/23	15:35:48.70			40.4870	143.4740				33.1				31	77.66	83.06	m i ke	BGR
																	70723010

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 70723010
MBB 6.0 BGR 70723010
Ms 5.7 BGR 70723010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.06		P	15:47:48.313	0.1	34.8		5.37		TAS		396.5	2.65	a_e	MBB 6.0
BFO	83.06		P	15:48:09.463		34.8		5.37		TAS		251.0	1.91	a_e	MBB 6.2
BRG	78.89		P	15:47:47.263	-0.1	34.8		5.37		TAS		40.8	1.15	a_e	MBB 5.9
BSEG	77.70		P	15:47:41.013	0.1	34.8		5.37		TAS		90.6	1.12	a_e	MBB 6.2
BUG	80.80		P	15:47:57.413	0.1	34.8		5.37		TAS		124.3	1.44	a_e	MBB 6.0
CLL	78.89		P	15:47:46.913	-0.3	34.8		5.37		TAS		61.6	1.08	a_e	MBB 6.0
CLZ	79.40		P	15:47:50.463	-0.2	34.8		5.37		TAS		191.4	1.56	a_e	MBB 6.0
FBE	79.07		P	15:47:48.363	0.0	34.8		5.37		TAS		192.0	1.66	a_e	MBB 6.0
FLT1	78.70		P	15:47:45.813	0.3	34.8		5.37		TAS		69.7	1.04	a_e	MBB 6.1
FUR	82.10		P	15:48:04.713		34.8		5.37		TAS		65.6	0.87	a_e	MBB 6.3
GEC2	80.61		P	15:47:56.563	0.1	34.8		5.37		TAS		122.5	1.93	a_e	MBB 5.8
GOR1	78.13		P	15:47:43.613	0.0	34.8		5.37		TAS		244.4	1.59	a_e	MBB 6.4
GRA1	80.87		P	15:47:58.463	-0.3	34.8		5.37		TAS		368.0	1.82	a_e	MBB 6.2

GRA1	80.87	L	16:27:15.028							T__	2432.4	18.10	a_e	Ms	5.6
GTTG	79.79	P	15:47:52.363	-0.5	34.8		5.37			TAS	63.3	1.15	a_e	MBB	5.9
GUNZ	79.90	P	15:47:52.913	0.4	34.8		5.37			TAS	101.3	1.56	a_e	MBB	5.7
GUNZ	79.90	pP	15:48:02.456							T__			m_e		
IBBN	79.91	P	15:47:52.763	0.0	34.8		5.37			TAS	77.5	1.06	a_e	MBB	6.0
KAST	80.62	P	15:47:56.713	-0.0	34.8		5.37			TAS	151.0	1.92	a_e	MBB	5.8
MOX	79.94	P	15:47:53.063	0.1	34.8		5.37			TAS	84.9	1.49	m_e	MBB	5.8
MOX	79.94	L	16:28:48.418							T__	3780.6	19.40	a_e	Ms	5.7
NEUB	79.43	P	15:47:50.013	-0.1	34.8		5.37			TAS	81.8	1.11	a_e	MBB	6.1
NRDL	78.96	P	15:47:47.763	-0.0	34.8		5.37			TAS	192.0	1.94	a_e	MBB	6.0
RETH	79.01	P	15:47:48.113	-0.1	34.8		5.37			TAS	194.3	1.65	a_e	MBB	6.1
ROTZ	80.44	P	15:47:56.113	0.4	34.8		5.37			TAS	54.2	1.81	a_e	MBB	5.3
RUE	77.66	P	15:47:40.713	-0.6	34.8		5.37			TAS	164.0	1.35	a_e	MBB	6.3
STU	82.38	P	15:48:05.863	-0.2	34.8		5.37			TAS	107.0	0.90	a_e	MBB	6.5
TANN	79.81	P	15:47:52.463	0.0	34.8		5.37			TAS	117.2	1.92	a_e	MBB	5.7
TNS	81.43	P	15:48:01.013	0.4	34.8		5.37			TAS	104.2	1.65	a_e	MBB	5.9
UBR	82.95	P	15:48:08.963		34.8		5.37			TAS	70.3	1.59	a_e	MBB	6.1
WERD	79.85	P	15:47:52.463	0.1	34.8		5.37			TAS	97.4	1.67	a_e	MBB	5.6
WERN	79.95	P	15:47:53.213	0.2	34.8		5.37			TAS	71.8	1.34	a_e	MBB	5.7
WET	80.69	P	15:47:57.463	-0.3	34.8		5.37			TAS	88.3	1.38	a_e	MBB	6.0
WLF	82.69	P	15:48:07.963	-0.1	34.8		5.37			TAS	205.3	2.05	a_e	MBB	6.2

Event 70723005 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/23	17:32:23.58			29.9900	55.7400				9.1			22		36.96	41.97	m i k e	BGR
70723011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70723011
Ms	4.3		BGR	70723011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	39.71		P	17:39:56.058	-0.1	105.1		8.36		TAS		8.7	1.01	m_e	mb 4.3
BRG	37.39		P	17:39:36.670	-0.3	105.1		8.36		TAS		3.7	0.90	m_e	mb 4.1
BSEG	40.44		P	17:40:01.881	-0.0	105.1		8.36		TAS		10.4	0.91	m_e	mb 4.5
BUG	41.59		P	17:40:11.986	-0.3	105.1		8.36		TAS		19.2	0.87	m_e	mb 4.8
CLL	38.08		P	17:39:42.859	-0.2	105.1		8.36		TAS		25.2	1.06	m_e	mb 4.9
CLZ	39.81		P	17:39:57.395	0.2	105.1		8.36		TAS		16.2	0.96	m_e	mb 4.6
FBE	37.76		P	17:39:39.745	-0.0	105.1		8.36		TAS				m_e	
FLT1	39.43		P	17:39:53.585	0.2	105.1		8.36		TAS		25.7	0.94	m_e	mb 4.8
FUR	38.38		P	17:39:44.626		105.1		8.36		TAS				m_e	
GEC2	36.96		P	17:39:33.351		105.1		8.36		TAS		14.9	0.88	m_e	mb 4.7
GOR1	39.59		P	17:39:55.024	0.3	105.1		8.36		TAS		22.5	1.11	m_e	mb 4.7
GRA1	38.75		P	17:39:48.429		105.1		8.36		TAS		14.2	0.93	m_e	mb 4.6
GRA1	38.75		L	18:01:04.395						T__		477.4	19.90	a_e	Ms 4.3

GTTG	39.98	P	17:39:58.775	0.1	105.1	8.36	TAS	21.4	1.44	m_e	mb	4.6
IBBN	41.49	P	17:40:10.810	0.3	105.1	8.36	TAS	21.6	1.17	m_e	mb	4.8
KAST	40.84	P	17:40:05.905	-0.3	105.1	8.36	TAS	11.1	0.88	m_e	mb	4.6
MOX	38.74	P	17:39:47.936	0.3	105.1	8.36	TAS	41.8	2.59	m_e	mb	4.6
MOX	38.74	pP	17:39:50.331				T__				m_e	
MOX	38.74	L	17:58:05.184				T__	598.4	21.60	a_e	Ms	4.4
NRDL	40.14	P	17:40:00.094	-0.3	105.1	8.36	TAS	11.5	1.13	m_e	mb	4.4
RETH	40.65	P	17:40:03.956	-0.3	105.1	8.36	TAS	6.6	1.00	m_e	mb	4.3
ROTZ	38.15	P	17:39:43.140		105.1	8.36	TAS	1.3	1.01	m_e	mb	3.6
TNS	40.61	P	17:40:04.033		105.1	8.36	TAS	12.0	0.91	m_e	mb	4.6
WET	37.56	P	17:39:38.023		105.1	8.36	TAS	8.5	1.06	m_e	mb	4.4
WLF	41.97	P	17:40:14.620		105.1	8.36	TAS	7.3	0.73	m_e	mb	4.5

Event 70725002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/25	01:11:24.24			-23.8780	-173.8590			43.9		0.9		22		149.82	154.38	m i ke	BGR
	70725008																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	70725008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	151.58		PKPbc	01:31:14.029	-0.3	9.5		2.18		TAS					m_e	
ASSE	151.58		pPKPbc	01:31:27.112	-0.1	10.6		2.21		TAS					m_e	
BRG	152.38		PKPbc	01:31:15.707	-0.2	9.5		2.18		TAS					m_e	
BRG	152.38		pPKPbc	01:31:29.012	0.1	10.6		2.21		TAS					m_e	
BSEG	149.82		PKPbc	01:31:09.837	0.1	9.5		2.18		TAS					m_e	
BSEG	149.82		pPKPbc	01:31:23.074	-0.2	10.6		2.21		TAS					m_e	
BUG	152.47		PKPbc	01:31:15.684	-0.1	9.5		2.18		TAS					m_e	
BUG	152.47		pPKPbc	01:31:29.192	0.0	10.6		2.21		TAS					m_e	
CLL	152.11		PKPbc	01:31:15.036	0.1	9.5		2.18		TAS					m_e	
CLL	152.11		pPKPbc	01:31:28.211	0.0	10.6		2.21		TAS					m_e	
CLZ	151.89		PKPbc	01:31:14.952	-0.1	9.5		2.18		TAS					m_e	
CLZ	151.89		pPKPbc	01:31:28.313	0.1	10.6		2.21		TAS					m_e	
FBE	152.43		pPKPbc	01:31:29.364	0.3	10.6		2.21		TAS					m_e	
FLT1	151.32		PKPbc	01:31:13.275	0.1	9.5		2.18		TAS					m_e	
FLT1	151.32		pPKPbc	01:31:26.433	-0.1	10.6		2.21		TAS					m_e	
GEC2	154.38		PKPbc	01:31:19.786		9.5		2.18		TAS					m_e	
GEC2	154.38		pPKPbc	01:31:32.979		10.6		2.21		TAS					m_e	
GOR1	150.67		PKPbc	01:31:12.017	-0.3	9.5		2.18		TAS					m_e	
GOR1	150.67		pPKPbc	01:31:25.260	0.1	10.6		2.21		TAS					m_e	
GRA1	153.93		L	02:42:01.381						T__		213.8	21.70	a_e	Ms	4.9
GTTG	152.22		PKPbc	01:31:15.405	0.1	9.5		2.18		TAS					m_e	
GUNZ	153.12		PKPbc	01:31:17.543		9.5		2.18		TAS					m_e	
IBBN	151.59		pPKPbc	01:31:27.385	0.4	10.6		2.21		TAS					m_e	

MOX	152.94	PKPbc	01:31:16.956	-0.4	9.5	2.18	TAS	m_e
MOX	152.94	pPKPbc	01:31:30.268		10.6	2.21	TAS	m_e
MOX	152.94	L	02:43:52.170				T__	221.9 19.30 a_e Ms 5.0
NEUB	152.38	PKPbc	01:31:15.790	0.2	9.5	2.18	TAS	m_e
NEUB	152.38	pPKPbc	01:31:29.056	0.3	10.6	2.21	TAS	m_e
NRDL	151.27	PKPbc	01:31:12.939	-0.1	9.5	2.18	TAS	m_e
NRDL	151.27	pPKPbc	01:31:26.469	-0.0	10.6	2.21	TAS	m_e
RETH	151.08	PKPbc	01:31:12.939	-0.1	9.5	2.18	TAS	m_e
RETH	151.08	pPKPbc	01:31:26.206	-0.2	10.6	2.21	TAS	m_e
ROTZ	153.73	PKPbc	01:31:18.417		9.5	2.18	TAS	m_e
RUE	150.86	PKPbc	01:31:12.268	0.1	9.5	2.18	TAS	m_e
RUE	150.86	pPKPbc	01:31:25.423	-0.0	10.6	2.21	TAS	m_e
TANN	153.06	PKPbc	01:31:17.216		9.5	2.18	TAS	m_e
WERD	153.05	pPKPbc	01:31:30.433		10.6	2.21	TAS	m_e
WERN	153.19	PKPbc	01:31:17.869		9.5	2.18	TAS	m_e
WERN	153.19	pPKPbc	01:31:31.005		10.6	2.21	TAS	m_e

Event 70725006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/25	19:23:32.70			-22.3600	-178.0700				391.0			17		149.85	153.02	m i ke	NEIC
	70725101																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	150.03		PKPbc	19:42:38.489	0.1	18.4		2.17		TAS					m_e
BUG	150.68		PKPbc	19:42:39.618	-0.0	18.4		2.17		TAS					m_e
CLL	149.85		PKPbc	19:42:37.867	0.2	18.4		2.17		TAS					m_e
CLZ	149.85		PKPbc	19:42:38.194	0.2	18.4		2.17		TAS					m_e
FBE	150.13		PKPbc	19:42:38.951	0.2	18.4		2.17		TAS					m_e
GEC2	151.96		PKPbc	19:42:42.704		18.4		2.17		TAS					m_e
GTTG	150.21		PKPbc	19:42:38.849	-0.2	18.4		2.17		TAS					m_e
GUNZ	150.88		PKPbc	19:42:40.618		18.4		2.17		TAS					m_e
KAST	150.77		PKPbc	19:42:40.189		18.4		2.17		TAS					m_e
MOX	150.77		PKPbc	19:42:40.072		18.4		2.17		TAS					m_e
NEUB	150.22		PKPbc	19:42:38.796	-0.2	18.4		2.17		TAS					m_e
ROTZ	151.47		PKPbc	19:42:41.764		18.4		2.17		TAS					m_e
STU	153.02		PKPbc	19:42:44.898		18.4		2.17		TAS					m_e
TANN	150.81		PKPbc	19:42:40.290		18.4		2.17		TAS					m_e
TNS	151.72		PKPbc	19:42:42.400		18.4		2.17		TAS					m_e
WERD	150.81		PKPbc	19:42:40.356		18.4		2.17		TAS					m_e
WET	151.90		PKPbc	19:42:42.488		18.4		2.17		TAS					m_e

Event 70725007 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/25	23:23:23.40			-5.6600	101.3800				10.0			10		92.69	94.37	m i ke	NEIC
OrigID 70725102																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	70725013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	92.73		P	23:36:45.921						T__					m_e
CLL	93.36		P	23:36:48.115						T__					m_e
FBE	93.10		P	23:36:47.283						T__					m_e
GEC2	92.69		P	23:36:45.804						T__					m_e
GRA1	94.37		L	00:24:37.474						T__		395.1	21.10	a_e Ms	4.9
GUNZ	93.71		P	23:36:49.949						T__					m_e
MOX	94.18		P	23:36:52.153						T__					m_e
MOX	94.18		L	00:25:07.296						T__		549.2	21.40	a_e Ms	5.0
NEUB	94.12		P	23:36:51.731						T__					m_e
ROTZ	93.74		P	23:36:50.433						T__					m_e
TANN	93.63		P	23:36:49.717						T__					m_e
WET	93.26		P	23:36:48.146						T__					m_e

Event 70726004 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/26	10:32:51.30			25.6250	131.6100				22.4	0.6		4		85.27	90.77	m i ke	BGR
OrigID 70726010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70726010
MBB	6.3		BGR	70726010
Ms	5.9		BGR	70726010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.99		P	10:45:33.908	-0.1	51.1		4.75		TAS		176.1	1.75	m_e MBB	6.2
BFO	90.59		P	10:45:50.455		51.1		4.75		TAS		37.0	1.24	m_e MBB	6.2
BRG	86.15		P	10:45:29.712	-0.4	51.1		4.75		TAS		54.4	0.96	m_e MBB	6.3
BSEG	86.01		P	10:45:29.230	0.2	51.1		4.75		TAS		163.4	0.94	m_e MBB	6.4
BUG	89.04		P	10:45:43.646		51.1		4.75		TAS		68.8	1.25	m_e MBB	6.3
CLL	86.36		P	10:45:30.558	0.0	51.1		4.75		TAS		119.9	0.92	m_e MBB	6.3
CLZ	87.31		P	10:45:36.023	0.1	51.1		4.75		TAS		211.7	1.56	m_e MBB	6.3
FBE	86.42		P	10:45:31.293	-0.3	51.1		4.75		TAS		123.3	1.03	m_e MBB	6.3
FLT1	86.59		P	10:45:31.788	-0.0	51.1		4.75		TAS		135.9	1.13	m_e MBB	6.3
GEC2	87.49		P	10:45:36.807	0.2	51.1		4.75		TAS		27.4	0.88	m_e MBB	6.1

GOR1	86.14	P	10:45:30.149	-0.3	51.1	4.75	TAS	285.6	1.31	m_e	MBB	6.6
GOR1	86.14	pP	10:45:36.505	-0.0	51.9	4.81	TAS			m_e		
GRA1	88.25	L	11:29:58.777				T__	4607.0	19.60	a_e	Ms	5.9
GTTG	87.70	P	10:45:37.369	-0.0	51.1	4.75	TAS	37.5	1.03	m_e	MBB	6.4
GTTG	87.70	pP	10:45:43.942		51.9	4.81	TAS			m_e		
GUNZ	87.27	P	10:45:35.523	-0.1	51.1	4.75	TAS	72.3	1.36	m_e	MBB	6.0
IBBN	88.24	P	10:45:40.054	-0.6	51.1	4.75	TAS	67.6	0.88	m_e	MBB	6.5
KAST	88.66	P	10:45:41.872		51.1	4.75	TAS	58.8	1.51	m_e	MBB	6.2
MOX	87.46	P	10:45:36.123	0.1	51.1	4.75	TAS	26.0	1.24	m_e	MBB	6.1
MOX	87.46	pP	10:45:42.756		51.9	4.81	TAS			m_e		
MOX	87.46	L	11:26:07.236				T__	5885.2	21.00	a_e	Ms	6.0
NEUB	87.04	P	10:45:34.064	0.0	51.1	4.75	TAS	218.3	1.47	m_e	MBB	6.4
NRDL	87.02	P	10:45:33.911	-0.1	51.1	4.75	TAS	230.4	1.80	m_e	MBB	6.3
RETH	87.22	P	10:45:35.050	0.3	51.1	4.75	TAS	246.8	1.79	m_e	MBB	6.3
ROTZ	87.71	P	10:45:37.510	-0.1	51.1	4.75	TAS	9.6	0.97	m_e	MBB	5.8
RUE	85.27	P	10:45:25.811	-0.1	51.1	4.75	TAS	247.7	1.01	m_e	MBB	6.7
TANN	87.18	P	10:45:34.722	0.2	51.1	4.75	TAS	47.4	1.36	m_e	MBB	6.2
TANN	87.18	pP	10:45:41.321		51.9	4.81	TAS			m_e		
TNS	89.29	P	10:45:44.720		51.1	4.75	TAS	16.0	0.84	m_e	MBB	6.2
WERN	87.30	P	10:45:35.715	0.5	51.1	4.75	TAS			m_e		
WLF	90.77	P	10:45:52.250		51.1	4.75	TAS	57.8	1.00	m_e	MBB	6.3

Event 70726006 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/26	22:18:02.26			64.9990	-21.6240				33.0			9		22.43	24.12	m i ke	BGR
70726012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70726012
Ms	3.4		BGR	70726012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	23.09		P	22:23:03.902		324.0		10.15		TAS		24.8	1.01	m_e	mb 4.7
BRG	23.17		P	22:23:05.119		324.0		10.15		TAS		12.1	1.00	m_e	mb 4.4
CLL	22.46		P	22:22:57.528		324.0		10.15		TAS		16.2	1.24	m_e	mb 4.3
FBE	22.90		P	22:23:02.302		324.0		10.15		TAS		12.3	1.28	m_e	mb 4.3
GRA1	23.04		L	22:30:27.906						T__		92.1	18.80	a_e	Ms 3.3
GUNZ	22.93		P	22:23:02.262		324.0		10.15		TAS		13.3	0.97	m_e	mb 4.4
MOX	22.43		L	22:31:33.169						T__		172.4	18.10	a_e	Ms 3.5
ROTZ	23.36		P	22:23:06.907		324.0		10.15		TAS		3.1	1.29	m_e	mb 3.7
WERD	22.86		P	22:23:01.356		324.0		10.15		TAS		18.2	1.04	m_e	mb 4.5
WERN	23.01		P	22:23:03.312		324.0		10.15		TAS		14.4	0.91	m_e	mb 4.5
WET	24.12		P	22:23:15.093		324.0		10.15		TAS		20.9	1.33	m_e	mb 4.5

Event 70727006 Waldmuenchen/Oberpfaelzer Wald, German-Czech border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/27	13:08:17.29	0.22	0.48	49.2330	12.7880	2.2	2.2	43	0.0			14	111	0.11	1.21	m i km	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	0.72		Sg	13:08:39.924	-0.1					T__				m_e	
GEC2	0.72		Pg	13:08:30.632	-0.1					T__				m_e ML	1.3
GRA3	1.09		Sg	13:08:53.084	1.0					T__				m_e	
GRA3	1.09		Pg	13:08:37.985	0.1					T__				m_e	
GRB3	0.65		Pg	13:08:29.018	-0.6					T__				m_e ML	1.3
GRC1	0.87		Sg	13:08:44.933	0.2					T__				m_e	
GRC1	0.87		Pg	13:08:34.716	1.1					T__				m_e ML	1.4
GRC2	1.00		Sg	13:08:48.701	-0.3					T__				m_e	
GRC2	1.00		Pg	13:08:36.079	-0.0					T__				m_e	
GRC4	0.84		Sg	13:08:43.321	-0.7					T__				m_e	
GRC4	0.84		Pg	13:08:33.184	0.1					T__				m_e ML	1.5
GUNZ	1.17		Sg	13:08:54.472	0.0					T__				m_e ML	1.5
KHC	0.53		Sg	13:08:34.293	0.2					T__				m_e	
KHC	0.53		Pg	13:08:27.160	-0.1					T__				m_e	
MULD	1.21		Pg	13:08:39.418	-0.6					T__				m_e	
ROHR	1.05		Sg	13:08:50.896	0.3					T__				m_e	
ROHR	1.05		Pg	13:08:37.567	0.5					T__				m_e ML	1.9
ROTZ	0.66		Sg	13:08:37.390	-0.7					T__				m_e	
ROTZ	0.66		Pg	13:08:29.039	-0.6					T__				m_e ML	1.1
TANN	1.20		Sg	13:08:55.152	-0.3					T__				m_e	
TANN	1.20		Pg	13:08:39.466	-0.5					T__				m_e ML	1.5
WERN	1.09		Sg	13:08:52.232	0.4					T__				m_e	
WERN	1.09		Pg	13:08:38.388	0.6					T__				m_e	
WET	0.11		Sg	13:08:20.796	0.1					T__				m_e	
WET	0.11		Pg	13:08:19.221	-0.1					T__				m_e	

Event 70727007 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/27	17:53:26.84			13.0390	-48.1550				10.0			26		57.33	62.46	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	5.9		BGR	70727013
MBB	6.2		BGR	70727013

Ms 5.5 BGR 70727013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	58.18		P	18:03:20.140	-1.0	254.5		6.84		TAS		221.4	1.18	m_e	MBB 6.4
ASSE	60.83		P	18:03:39.448	0.3	254.5		6.84		TAS		203.2	1.36	m_e	MBB 6.0
BFO	58.26		P	18:03:21.903	0.7	254.5		6.84		TAS		217.1	1.32	m_e	MBB 6.3
BRG	62.46		P	18:03:50.401	-0.1	254.5		6.84		TAS		130.7	1.32	m_e	MBB 6.4
BSEG	61.18		P	18:03:41.234	0.1	254.5		6.84		TAS		468.4	1.58	m_e	MBB 6.2
CLL	61.99		P	18:03:47.216	-0.0	254.5		6.84		TAS		8421.6	4.29	m_e	MBB 6.6
CLZ	60.56		P	18:03:37.500	0.1	254.5		6.84		TAS		164.4	1.28	m_e	MBB 6.0
FBE	62.11		P	18:03:48.145	0.1	254.5		6.84		TAS		185.5	1.33	m_e	MBB 6.4
FLT1	61.22		P	18:03:41.552	-0.2	254.5		6.84		TAS		236.0	1.30	m_e	MBB 6.1
GEC2	61.84		P	18:03:45.958	0.0	254.5		6.84		TAS		159.5	1.54	m_e	MBB 6.3
GOR1	61.45		P	18:03:43.064	-0.2	254.5		6.84		TAS		335.2	1.51	m_e	MBB 6.2
GRA1	60.47		P	18:03:36.868	-0.2	254.5		6.84		TAS		89.3	1.22	m_e	mb 5.7
GRA1	60.47		L	18:23:49.355						T__		3456.0	20.80	a_e	Ms 5.5
IBBN	59.18		P	18:03:27.960	0.2	254.5		6.84		TAS		222.6	1.05	m_e	MBB 6.4
KAST	59.20		P	18:03:27.776	-0.3	254.5		6.84		TAS		210.5	1.54	m_e	MBB 6.2
MOX	60.97		P	18:03:40.217	-0.1	254.5		6.84		TAS		79.3	1.19	m_e	MBB 6.0
MOX	60.97		L	18:25:47.480						T__		3985.5	19.70	a_e	Ms 5.6
NEUB	61.22		P	18:03:41.893	-0.1	254.5		6.84		TAS		209.7	1.05	m_e	MBB 6.2
NRDL	60.60		P	18:03:38.092	0.5	254.5		6.84		TAS		342.1	1.47	m_e	MBB 6.2
RETH	60.25		P	18:03:35.419	0.4	254.5		6.84		TAS		274.8	1.41	m_e	MBB 6.4
RJOB	61.00		P	18:03:40.364		254.5		6.84		TAS		84.7	1.12	m_e	MBB 5.9
ROTZ	61.11		P	18:03:41.093	-0.0	254.5		6.84		TAS		15.5	1.13	m_e	MBB 5.3
TANN	61.43		P	18:03:43.477	0.0	254.5		6.84		TAS		167.8	1.48	m_e	MBB 6.0
TNS	58.91		P	18:03:26.331	-0.0	254.5		6.84		TAS		355.3	1.72	m_e	MBB 6.3
UBR	59.23		P	18:03:28.963		254.5		6.84		TAS		161.1	1.15	m_e	MBB 6.4
WERD	61.34		P	18:03:42.822	-0.1	254.5		6.84		TAS		117.8	1.39	m_e	MBB 5.8
WET	61.38		P	18:03:42.961	0.2	254.5		6.84		TAS		176.5	1.77	m_e	mb 5.6
WLF	57.33		P	18:03:15.325	-0.1	254.5		6.84		TAS		188.9	1.07	m_e	mb 6.0

Event 70728001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/27	23:59:02.75			30.5170	142.4420				33.0			25		84.64	91.41	m i ke	BGR
70728007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70728007
Ms	5.0		BGR	70728007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.41		P	00:12:03.780	-0.2	40.4		4.70		TAS		36.0	0.92	m_e	mb 5.7
BRG	87.10		P	00:11:43.531	-0.2	40.4		4.70		TAS		11.3	0.99	m_e	mb 5.0
BSEG	86.26		P	00:11:39.873	0.1	40.4		4.70		TAS		53.9	0.98	m_e	mb 5.6

Station	Dist	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	87.18	P	00:11:43.862	0.4	40.4		4.70		TAS		25.5	1.09	m_e mb	5.3
CLZ	87.85	P	00:11:47.616	0.3	40.4		4.70		TAS		36.5	0.95	m_e mb	5.7
FBE	87.32	P	00:11:44.856	-0.4	40.4		4.70		TAS		36.3	1.15	m_e mb	5.4
FLT1	87.13	P	00:11:43.421	0.6	40.4		4.70		TAS		34.8	0.99	m_e mb	5.4
FUR	90.29	P	00:11:58.985	0.1	40.4		4.70		TAS		43.6	0.82	m_e mb	5.7
GRA1	89.15	P	00:11:53.908	0.2	40.4		4.70		TAS		41.7	1.05	m_e mb	5.6
GRA1	89.15	L	00:59:10.689						T__		378.8	19.50	a_e Ms	4.8
GUNZ	88.17	P	00:11:48.830	-0.1	40.4		4.70		TAS		15.1	0.85	m_e mb	5.4
IBBN	88.50	P	00:11:50.265	-0.1	40.4		4.70		TAS		58.2	1.09	m_e mb	5.8
KAST	89.12	P	00:11:53.356	-0.1	40.4		4.70		TAS		14.2	0.89	m_e mb	5.2
MANZ	88.55	P	00:11:50.486	-0.1	40.4		4.70		TAS		2.5	0.94	m_e mb	4.4
MOX	88.26	P	00:11:49.051	0.1	40.4		4.70		TAS		11.7	0.98	m_e mb	5.2
MOX	88.26	L	00:58:44.050						T__		745.4	18.00	a_e Ms	5.1
NEUB	87.78	P	00:11:46.843	0.1	40.4		4.70		TAS		29.2	1.01	m_e mb	5.6
NRDL	87.45	P	00:11:45.308	0.1	40.4		4.70		TAS		17.8	1.05	m_e mb	5.1
RETH	87.55	P	00:11:45.739	-0.1	40.4		4.70		TAS		20.0	1.02	m_e mb	5.4
RGN	84.64	P	00:11:32.289	-0.3	40.4		4.70		TAS		56.7	0.89	m_e mb	5.8
RJOB	89.94	P	00:11:57.215	-0.0	40.4		4.70		TAS		27.1	0.88	m_e mb	5.5
ROTZ	88.67	P	00:11:51.176	-0.2	40.4		4.70		TAS		9.5	1.35	m_e mb	4.8
TANN	88.08	P	00:11:48.259	0.1	40.4		4.70		TAS		6.6	1.04	m_e mb	4.9
UBR	91.16	P	00:12:02.487		40.4		4.70		TAS		14.9	0.85	m_e mb	5.3
WERD	88.12	P	00:11:48.278		40.4		4.70		TAS		10.8	0.98	m_e mb	5.1
WERN	88.21	P	00:11:49.051		40.4		4.70		TAS		13.6	0.85	m_e mb	5.3
WET	88.85	P	00:11:51.921		40.4		4.70		TAS		19.2	1.39	m_e mb	5.1

Event 70728002 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/28	02:39:26.72			56.1700	168.4600				10.0			10		70.24	73.26	m i ke	EMSC
70728034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70728008
Ms	4.7		BGR	70728008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLZ	70.84		P	02:50:44.163	0.2	13.1		5.58		TAS		33.6	1.31	m_e mb	5.3
FLT1	70.24		P	02:50:39.874		13.1		5.58		TAS		38.0	1.67	m_e mb	5.3
GEC2	73.26		P	02:50:58.393		13.1		5.58		TAS		32.7	1.40	m_e mb	5.3
GRA1	72.82		L	03:27:07.992						T__		425.9	21.60	a_e Ms	4.7
GUNZ	72.00		P	02:50:50.973		13.1		5.58		TAS		30.2	1.33	m_e mb	5.3
MANZ	72.40		P	02:50:53.003		13.1		5.58		TAS		4.6	1.32	m_e mb	4.4
MOX	71.83		L	03:26:29.489						T__		516.2	21.00	a_e Ms	4.8
ROTZ	72.60		P	02:50:54.202		13.1		5.58		TAS		8.4	1.45	m_e mb	4.7
TANN	71.93		P	02:50:50.495		13.1		5.58		TAS		32.7	1.50	m_e mb	5.2
WERD	71.92		P	02:50:50.444		13.1		5.58		TAS		31.8	1.37	m_e mb	5.3

WERN	72.07	P	02:50:51.471	13.1	5.58	TAS	25.5	1.26	m_e	mb	5.2
WET	73.10	P	02:50:57.462	13.1	5.58	TAS	29.1	1.30	m_e	mb	5.2

Event 70728003 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
2017/07/28	07:16:27.40			36.3000	141.9600				10.0			17		81.84	83.92	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70728009
Ms	4.5		BGR	70728009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	81.91		P	07:28:47.427	-0.2	38.0		5.39		TAS		4.0	0.68	m_e	mb	4.7
CLL	81.95		P	07:28:46.971	-0.2	38.0		5.39		TAS		11.9	0.87	m_e	mb	5.0
CLZ	82.55		P	07:28:50.835	-0.4	38.0		5.39		TAS		7.4	0.72	m_e	mb	5.0
FBE	82.11		P	07:28:48.540	0.3	38.0		5.39		TAS		12.2	0.76	m_e	mb	5.1
FLT1	81.84		P	07:28:46.387	0.3	38.0		5.39		TAS		10.9	0.69	m_e	mb	5.1
GEC2	83.57		P	07:28:55.709		38.0		5.39		TAS		3.7	0.73	m_e	mb	4.7
GRA1	83.92		L	08:11:33.756						T__		250.7	18.30	a_e	Ms	4.6
GUNZ	82.95		P	07:28:52.897	0.1	38.0		5.39		TAS		5.6	0.89	m_e	mb	4.8
IBBN	83.14		P	07:28:53.645	-0.3	38.0		5.39		TAS		16.4	0.58	m_e	mb	5.5
MANZ	83.34		P	07:28:54.974	0.3	38.0		5.39		TAS		1.1	0.65	m_e	mb	4.2
MOX	83.02		P	07:28:52.920	-0.1	38.0		5.39		TAS		4.4	0.75	m_e	mb	4.8
MOX	83.02		L	08:06:38.249						T__		124.5	19.50	a_e	Ms	4.3
NEUB	82.53		P	07:28:50.187	0.3	38.0		5.39		TAS		16.5	0.85	m_e	mb	5.3
NRDL	82.13		P	07:28:48.193	-0.0	38.0		5.39		TAS		5.5	0.95	m_e	mb	4.7
RETH	82.21		P	07:28:48.752	-0.1	38.0		5.39		TAS		18.8	1.17	m_e	mb	5.1
ROTZ	83.47		P	07:28:55.790	-0.1	38.0		5.39		TAS		1.4	0.78	m_e	mb	4.2
WERD	82.90		P	07:28:52.397	0.1	38.0		5.39		TAS		5.0	1.19	m_e	mb	4.6
WERN	82.99		P	07:28:53.073	0.1	38.0		5.39		TAS		6.9	1.02	m_e	mb	4.8
WET	83.68		P	07:28:56.560	-0.3	38.0		5.39		TAS		5.4	0.89	m_e	mb	4.8

Event 70729001 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
2017/07/29	00:02:47.04			41.1540	-125.4370				33.0			22		77.95	84.06	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70729007
Ms	4.3		BGR	70729007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.59		P	00:14:49.138	-0.1	328.5		5.28		TAS		10.1	1.11	m_e	mb 4.7
BFO	81.97		P	00:15:01.756		328.5		5.28		TAS		10.9	1.27	m_e	mb 4.8
BRG	81.72		P	00:15:00.759	0.3	328.5		5.28		TAS		11.8	1.01	m_e	mb 5.0
BSEG	77.95		P	00:14:40.427	-0.1	328.5		5.28		TAS		19.8	1.08	m_e	mb 5.2
CLL	81.05		P	00:14:56.755	-0.1	328.5		5.28		TAS		12.0	1.05	m_e	mb 4.9
CLZ	79.73		P	00:14:50.380	0.4	328.5		5.28		TAS		23.4	1.34	m_e	mb 4.9
FLT1	79.60		P	00:14:48.887	-0.4	328.5		5.28		TAS		18.9	1.04	m_e	mb 5.0
GEC2	83.40		P	00:15:09.185	-0.1	328.5		5.28		TAS		9.5	1.40	m_e	mb 4.8
GOR1	79.06		P	00:14:46.623	0.2	328.5		5.28		TAS		33.5	1.27	m_e	mb 5.2
GRA1	81.85		P	00:15:01.570	-0.2	328.5		5.28		TAS		15.5	1.36	m_e	mb 5.0
GRA1	81.85		L	00:52:42.817						T__		126.3	19.00	a_e	Ms 4.3
GUNZ	81.64		P	00:15:00.132	0.3	328.5		5.28		TAS		4.6	0.96	m_e	mb 4.6
IBBN	78.46		P	00:14:43.115	-0.2	328.5		5.28		TAS		27.4	1.17	m_e	mb 5.3
MOX	81.16		P	00:14:57.455	-0.1	328.5		5.28		TAS		11.3	1.25	m_e	mb 4.8
MOX	81.16		L	00:53:01.810						T__		151.4	18.60	a_e	Ms 4.4
NEUB	80.75		P	00:14:55.370	0.0	328.5		5.28		TAS		14.2	1.01	m_e	mb 4.9
NRDL	79.09		P	00:14:46.615	-0.0	328.5		5.28		TAS		15.2	1.19	m_e	mb 4.9
RETH	78.64		P	00:14:44.469	0.2	328.5		5.28		TAS		17.0	1.14	m_e	mb 5.0
RJOB	84.06		P	00:15:12.736		328.5		5.28		TAS		5.6	1.04	m_e	mb 4.7
ROTZ	82.11		P	00:15:02.540	0.4	328.5		5.28		TAS		1.0	1.00	m_e	mb 3.9
TANN	81.64		P	00:15:00.036	0.1	328.5		5.28		TAS		4.4	1.09	m_e	mb 4.5
WERD	81.56		P	00:14:59.271	-0.0	328.5		5.28		TAS		7.4	1.24	m_e	mb 4.7
WERN	81.72		P	00:15:00.801	-0.0	328.5		5.28		TAS		7.4	1.14	m_e	mb 4.7

Event 70729002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/29	07:36:33.62			-22.6140	174.6620				33.0			20		146.77	152.09	m i ke	BGR
70729008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.3		BGR	70729008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	148.04		PKPbc	07:56:15.425	0.5	31.7		2.57		TAS				m_e	
CLL	148.01		PKPbc	07:56:15.193	-0.1	31.7		2.57		TAS				m_e	
CLZ	148.40		PKPbc	07:56:15.896	-0.4	31.7		2.57		TAS				m_e	
FBE	148.21		PKPbc	07:56:16.247	0.3	31.7		2.57		TAS				m_e	
FLT1	147.71		PKPbc	07:56:14.349	0.3	31.7		2.57		TAS				m_e	
GEC2	149.77		PKPbc	07:56:20.044		31.7		2.57		TAS				m_e	
GRA1	149.99		L	09:01:42.397						T__		68.3	21.20	a_e	Ms 4.4
GTTG	148.78		PKPbc	07:56:17.794	0.3	31.7		2.57		TAS				m_e	
GUNZ	149.04		PKPbc	07:56:18.557	0.0	31.7		2.57		TAS				m_e	
IBBN	148.69		PKPbc	07:56:17.607	-0.6	31.7		2.57		TAS				m_e	

KAST	149.52	PKPbc	07:56:19.063	0.1	31.7	2.57	TAS	m_e
MOX	149.04	PKPbc	07:56:18.147	0.2	31.7	2.57	TAS	m_e
MOX	149.04	L	08:59:17.844				T__	51.3 22.00 a_e Ms 4.3
NRDL	147.90	PKPbc	07:56:15.614	0.1	31.7	2.57	TAS	m_e
RETH	147.88	PKPbc	07:56:15.333	-0.2	31.7	2.57	TAS	m_e
ROTZ	149.58	PKPbc	07:56:19.622		31.7	2.57	TAS	m_e
RUE	146.77	PKPbc	07:56:12.029	-0.4	31.7	2.57	TAS	m_e
TANN	148.95	PKPbc	07:56:18.200	0.4	31.7	2.57	TAS	m_e
UBR	152.09	PKPbc	07:56:25.246		31.7	2.57	TAS	m_e
WERN	149.09	PKPbc	07:56:18.427	-0.1	31.7	2.57	TAS	m_e
WET	149.85	PKPbc	07:56:20.255		31.7	2.57	TAS	m_e
WLF	151.52	PKPbc	07:56:25.198		31.7	2.57	TAS	m_e

Event 70730001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/30	03:29:35.20			-22.5770	-177.4640				33.0			33		148.14	154.23	m i ke	BGR
	70730007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.84		PKPbc	03:49:21.723	0.1	17.3		2.37		TAS					m_e
BFO	153.89		PKPbc	03:49:30.993	-0.2	17.3		2.37		TAS					m_e
BRG	150.39		PKPbc	03:49:23.029	0.1	17.3		2.37		TAS					m_e
BSEG	148.14		PKPbc	03:49:17.232	-0.4	17.3		2.37		TAS					m_e
BUG	150.96		PKPbc	03:49:24.370	-0.2	17.3		2.37		TAS					m_e
CLL	150.19		PKPbc	03:49:22.330	-0.1	17.3		2.37		TAS					m_e
CLZ	150.16		PKPbc	03:49:22.712	0.3	17.3		2.37		TAS					m_e
FBE	150.48		PKPbc	03:49:23.517	0.4	17.3		2.37		TAS					m_e
FLT1	149.55		PKPbc	03:49:20.582	-0.3	17.3		2.37		TAS					m_e
FUR	153.53		PKPbc	03:49:30.154	-0.7	17.3		2.37		TAS					m_e
GEC2	152.32		PKPbc	03:49:27.551	0.1	17.3		2.37		TAS					m_e
GOR1	148.90		PKPbc	03:49:19.211	-0.2	17.3		2.37		TAS					m_e
GRA1	152.09		PKPbc	03:49:27.220	-0.1	17.3		2.37		TAS					m_e
GTTG	150.51		PKPbc	03:49:23.490	0.2	17.3		2.37		TAS					m_e
GUNZ	151.22		PKPbc	03:49:25.221	0.5	17.3		2.37		TAS					m_e
IBBN	150.05		PKPbc	03:49:22.348	-0.0	17.3		2.37		TAS					m_e
KAST	151.06		PKPbc	03:49:24.698	0.0	17.3		2.37		TAS					m_e
MANZ	151.63		PKPbc	03:49:26.077	0.1	17.3		2.37		TAS					m_e
MOX	151.10		PKPbc	03:49:24.651	0.1	17.3		2.37		TAS					m_e
NEUB	150.54		PKPbc	03:49:23.232	-0.0	17.3		2.37		TAS					m_e
NRDL	149.57		PKPbc	03:49:20.910	-0.1	17.3		2.37		TAS					m_e
RETH	149.44		PKPbc	03:49:20.682	-0.1	17.3		2.37		TAS					m_e
RJOB	153.58		PKPbc	03:49:29.918	-0.4	17.3		2.37		TAS					m_e
ROTZ	151.81		PKPbc	03:49:26.438	0.3	17.3		2.37		TAS					m_e

RUE	148.93	PKPbc	03:49:19.111	-0.3	17.3	2.37	TAS	m_e
STU	153.33	PKPbc	03:49:30.031	-0.3	17.3	2.37	TAS	m_e
TANN	151.15	PKPbc	03:49:24.922	0.3	17.3	2.37	TAS	m_e
TNS	152.02	PKPbc	03:49:27.123	0.2	17.3	2.37	TAS	m_e
UBR	154.23	PKPbc	03:49:31.611		17.3	2.37	TAS	m_e
WERD	151.15	PKPbc	03:49:24.890	0.2	17.3	2.37	TAS	m_e
WERN	151.28	PKPbc	03:49:25.550	0.2	17.3	2.37	TAS	m_e
WET	152.25	PKPbc	03:49:27.321	-0.1	17.3	2.37	TAS	m_e
WLF	152.82	PKPbc	03:49:29.402	0.3	17.3	2.37	TAS	m_e

Event 70730002 Uganda

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/30	07:02:42.07			1.2960	30.4280				10.0			11		49.51	53.29	m i ke	BGR
70730008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70730008
Ms	4.5		BGR	70730008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	53.29		P	07:12:02.422	-0.1	155.0		7.52		TAS		11.8	1.08	m_e	mb	4.7
FUR	49.54		P	07:11:34.372		155.0		7.52		TAS		24.6	0.81	m_e	mb	5.2
GEC2	49.51		P	07:11:34.606		155.0		7.52		TAS		17.0	1.20	m_e	mb	4.9
GRA1	50.93		P	07:11:44.903		155.0		7.52		TAS		19.7	1.25	m_e	mb	4.9
GRA1	50.93		L	07:36:50.684						T__		436.3	21.00	a_e	Ms	4.5
GTTG	52.95		P	07:12:00.611	0.2	155.0		7.52		TAS		37.6	1.05	m_e	mb	5.3
MANZ	50.96		P	07:11:45.266		155.0		7.52		TAS		4.1	1.04	m_e	mb	4.3
MOX	51.70		P	07:11:50.637	-0.1	155.0		7.52		TAS		9.4	1.17	m_e	mb	4.6
MOX	51.70		L	07:38:33.923						T__		495.6	18.50	a_e	Ms	4.6
ROTZ	50.74		P	07:11:43.417		155.0		7.52		TAS		3.3	1.09	m_e	mb	4.2
TANN	51.27		P	07:11:47.754	-0.2	155.0		7.52		TAS		16.0	1.34	m_e	mb	4.8
TNS	52.21		P	07:11:54.729	-0.1	155.0		7.52		TAS		15.2	0.96	m_e	mb	4.9
WET	49.99		P	07:11:37.798		155.0		7.52		TAS		9.1	1.06	m_e	mb	4.6

Event 70730003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/30	12:45:09.23			37.1900	143.9500				11.8	0.5		21		81.79	86.14	m i ke	BGR
70730009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70730009

Ms 4.8 BGR 70730009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	82.16		P	12:57:29.646	0.4	36.1		5.11		TAS		12.4	0.88	m_e	mb 5.0
BFO	86.14		P	12:57:49.954		36.1		5.11		TAS		28.1	0.91	m_e	mb 5.4
BFO	86.14		pP	12:57:53.288						T__				m_e	
BRG	81.93		P	12:57:28.828	0.1	36.1		5.11		TAS		14.1	0.84	m_e	mb 5.1
BRG	81.93		pP	12:57:32.295						T__				m_e	
CLL	81.95		P	12:57:28.673	-0.0	36.1		5.11		TAS		30.6	0.87	m_e	mb 5.4
CLL	81.95		pP	12:57:31.957						T__				m_e	
CLZ	82.50		P	12:57:32.175	0.2	36.1		5.11		TAS		32.5	0.99	m_e	mb 5.5
FBE	82.12		P	12:57:29.915	0.2	36.1		5.11		TAS		23.9	0.81	m_e	mb 5.4
FLT1	81.79		P	12:57:27.689	-0.3	36.1		5.11		TAS		32.7	0.94	m_e	mb 5.4
FLT1	81.79		pP	12:57:31.109						T__				m_e	
FUR	85.14		P	12:57:45.398		36.1		5.11		TAS		48.7	0.95	m_e	mb 5.7
GEC2	83.63		P	12:57:37.268		36.1		5.11		TAS		25.1	1.26	m_e	mb 5.3
GEC2	83.63		pP	12:57:40.770						T__				m_e	
GRA1	83.93		P	12:57:39.339	0.1	36.1		5.11		TAS		62.3	1.23	m_e	mb 5.7
GRA1	83.93		L	13:37:10.361						T__		437.3	18.00	a_e	Ms 4.9
GTTG	82.89		P	12:57:33.957	-0.3	36.1		5.11		TAS		24.4	0.83	m_e	mb 5.5
GTTG	82.89		pP	12:57:37.506						T__				m_e	
GUNZ	82.96		P	12:57:34.265	0.3	36.1		5.11		TAS		11.0	0.87	m_e	mb 5.1
IBBN	83.04		P	12:57:34.625	-0.4	36.1		5.11		TAS		36.0	0.83	m_e	mb 5.6
MANZ	83.35		P	12:57:36.181	-0.4	36.1		5.11		TAS		4.0	1.14	m_e	mb 4.5
MOX	83.01		P	12:57:34.357	0.1	36.1		5.11		TAS		12.1	1.05	m_e	mb 5.1
MOX	83.01		L	13:34:15.360						T__		337.8	21.00	a_e	Ms 4.7
NRDL	82.07		P	12:57:29.371	-0.1	36.1		5.11		TAS		11.4	0.95	m_e	mb 5.0
RETH	82.13		P	12:57:29.919	0.1	36.1		5.11		TAS		18.3	0.97	m_e	mb 5.2
RJOB	84.88		P	12:57:44.000		36.1		5.11		TAS		26.7	0.93	m_e	mb 5.5
ROTZ	83.49		pP	12:57:40.686						T__				m_e	
STU	85.45		P	12:57:46.692		36.1		5.11		TAS		115.5	1.00	m_e	mb 6.1
WERN	83.01		P	12:57:34.420	-0.2	36.1		5.11		TAS		20.6	1.09	m_e	mb 5.3

Event 70730004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/30	21:00:47.28			47.1630	152.2220				33.0			19		74.22	79.93	m i ke	BGR
	70730010																

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	70730010
MBB	6.5		BGR	70730010
Ms	5.0		BGR	70730010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.14		P	21:12:40.031		26.0		5.59		TAS		557.7	1.17	m_e	MBB 6.7

BFO	79.83	P	21:12:50.506		26.0	5.59	TAS	197.7	0.84	m_e	MBB	6.3
BRG	75.95	P	21:12:28.478	0.2	26.0	5.59	TAS	78.1	0.70	m_e	MBB	6.4
BSEG	74.22	P	21:12:19.188	0.4	26.0	5.59	TAS	111.1	0.76	m_e	MBB	6.4
CLZ	76.09	P	21:12:30.146	0.2	26.0	5.59	TAS	205.0	0.68	m_e	MBB	6.7
FLT1	75.42	P	21:12:25.594	-0.2	26.0	5.59	TAS	194.5	0.62	m_e	MBB	6.5
FUR	79.15	P	21:12:47.105		26.0	5.59	TAS	266.4	0.81	m_e	MBB	6.7
GEC2	77.82	P	21:12:39.380		26.0	5.59	TAS	100.9	0.61	m_e	MBB	6.4
GRA1	77.79	P	21:12:39.710		26.0	5.59	TAS	419.9	0.74	m_e	MBB	6.8
GRA1	77.79	L	21:50:28.820				T__	771.0	21.60	a_e	Ms	5.0
MOX	76.82	P	21:12:33.559	-0.4	26.0	5.59	TAS	99.7	0.65	m_e	MBB	6.5
MOX	76.82	L	21:50:11.002				T__	652.4	21.20	a_e	Ms	4.9
NRDL	75.57	P	21:12:26.627	-0.5	26.0	5.59	TAS	104.9	0.75	m_e	MBB	6.5
RJOB	79.08	P	21:12:46.698		26.0	5.59	TAS	112.7	0.83	m_e	MBB	6.4
ROTZ	77.44	P	21:12:37.616		26.0	5.59	TAS	33.1	0.85	m_e	MBB	5.9
TANN	76.79	P	21:12:33.521		26.0	5.59	TAS	61.0	0.71	m_e	MBB	6.4
TNS	78.07	P	21:12:41.277		26.0	5.59	TAS	197.7	0.68	m_e	MBB	6.6
UBR	79.93	P	21:12:50.891		26.0	5.59	TAS	60.2	0.79	m_e	MBB	6.2
WET	77.80	P	21:12:39.608		26.0	5.59	TAS	168.9	0.76	m_e	MBB	6.6
WLF	79.18	P	21:12:47.636		26.0	5.59	TAS	76.7	0.67	m_e	MBB	6.5

Event 70731001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/31	02:17:15.60			-21.5410	-177.9150				33.0			17		147.06	151.75	m i ke	BGR
	70731007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	149.28		PKPbc	02:37:00.805	-0.0	17.7		2.47		TAS				m_e	
BSEG	147.06		PKPbc	02:36:55.181	-0.2	17.7		2.47		TAS				m_e	
CLL	149.09		PKPbc	02:37:00.169	-0.1	17.7		2.47		TAS				m_e	
CLZ	149.08		PKPbc	02:37:00.655	0.4	17.7		2.47		TAS				m_e	
FBE	149.37		PKPbc	02:37:01.261	0.2	17.7		2.47		TAS				m_e	
FLT1	148.46		PKPbc	02:36:58.476	-0.3	17.7		2.47		TAS				m_e	
GEC2	151.22		PKPbc	02:37:05.239	-0.4	17.7		2.47		TAS				m_e	
GUNZ	150.12		PKPbc	02:37:03.043	0.1	17.7		2.47		TAS				m_e	
KAST	149.98		PKPbc	02:37:02.592	-0.0	17.7		2.47		TAS				m_e	
MANZ	150.53		PKPbc	02:37:03.923	0.1	17.7		2.47		TAS				m_e	
MOX	150.00		PKPbc	02:37:02.586	0.0	17.7		2.47		TAS				m_e	
NRDL	148.49		PKPbc	02:36:58.858	0.1	17.7		2.47		TAS				m_e	
TANN	150.05		PKPbc	02:37:02.714		17.7		2.47		TAS				m_e	
TNS	150.94		PKPbc	02:37:05.016		17.7		2.47		TAS				m_e	
WERD	150.05		PKPbc	02:37:02.755		17.7		2.47		TAS				m_e	
WERN	150.19		PKPbc	02:37:03.077		17.7		2.47		TAS				m_e	
WLF	151.75		PKPbc	02:37:07.193		17.7		2.47		TAS				m_e	

Event 70731011 North of Svalbard

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/31	16:19:09.30			80.1400	0.3300				26.9	0.5		11		29.67	32.82	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70731017
Ms	3.3		BGR	70731017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	29.75		P	16:25:15.526	-0.2	356.4		9.09		TAS		4.2	0.97	m_e mb	4.2
FBE	29.67		P	16:25:15.052	-0.1	356.4		9.09		TAS		10.6	0.75	m_e mb	4.8
GEC2	31.76		P	16:25:34.556	0.4	356.4		9.09		TAS		9.9	0.97	m_e mb	4.7
GRA1	30.80		L	16:35:45.266						T__		95.4	22.00	a_e Ms	3.4
GUNZ	30.18		P	16:25:20.027	0.2	356.4		9.09		TAS		8.6	0.88	m_e mb	4.6
GUNZ	30.18		pP	16:25:26.879						T__				m_e	
MOX	29.86		P	16:25:17.105	0.1	356.4		9.09		TAS		9.4	0.81	m_e mb	4.7
MOX	29.86		L	16:37:42.713						T__		56.3	20.40	a_e Ms	3.2
RJOB	32.82		P	16:25:43.558	-0.3	356.4		9.09		TAS		8.3	0.75	m_e mb	4.7
ROTZ	30.77		P	16:25:24.923	-0.3	356.4		9.09		TAS		1.9	0.78	m_e mb	4.1
TANN	30.13		P	16:25:19.474	0.0	356.4		9.09		TAS		9.0	0.88	m_e mb	4.6
WERD	30.09		P	16:25:19.080	-0.0	356.4		9.09		TAS		7.1	0.81	m_e mb	4.5
WERD	30.09		pP	16:25:26.025						T__				m_e	
WERN	30.26		P	16:25:20.659	0.1	356.4		9.09		TAS		13.0	0.78	m_e mb	4.8
WERN	30.26		pP	16:25:27.749						T__				m_e	
WET	31.42		P	16:25:31.319	0.2	356.4		9.09		TAS		3.4	0.79	m_e mb	4.3

Event 70731012 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/31	16:36:26.69			-20.9380	-174.1150				33.0			14		148.39	153.10	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.60		PKPbc	16:56:20.639		10.3		2.47		TAS				m_e	
BRG	149.46		PKPbc	16:56:12.705	0.0	10.3		2.47		TAS				m_e	
CLL	149.18		PKPbc	16:56:11.884	0.2	10.3		2.47		TAS				m_e	
FLT1	148.39		PKPbc	16:56:09.623	0.2	10.3		2.47		TAS				m_e	
FUR	152.49		PKPbc	16:56:20.297		10.3		2.47		TAS				m_e	

GEC2	151.46	PKPbc	16:56:17.698	10.3	2.47	TAS	m_e
GUNZ	150.20	PKPbc	16:56:14.825	10.3	2.47	TAS	m_e
MANZ	150.60	PKPbc	16:56:15.851	10.3	2.47	TAS	m_e
NEUB	149.45	PKPbc	16:56:12.910	0.3 10.3	2.47	TAS	m_e
RJOB	152.69	PKPbc	16:56:20.502	10.3	2.47	TAS	m_e
ROTZ	150.80	PKPbc	16:56:16.330	10.3	2.47	TAS	m_e
TANN	150.13	PKPbc	16:56:14.551	-0.2 10.3	2.47	TAS	m_e
UBR	153.10	PKPbc	16:56:21.528	10.3	2.47	TAS	m_e
WERD	150.12	PKPbc	16:56:14.620	-0.3 10.3	2.47	TAS	m_e

Event 70731013 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/07/31	21:29:12.20			34.3900	24.0100				20.0			14		16.35	21.80	m i ke	EMSC
70731045																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.33		Pn	21:33:46.606						T__					m_e
BRG	18.03		Pn	21:33:20.434						T__					m_e
BSEG	21.80		Pn	21:34:01.166						T__					m_e
BUG	20.91		Pn	21:33:54.064						T__					m_e
CLZ	20.02		Pn	21:33:43.616						T__					m_e
FBE	18.25		Pn	21:33:24.574						T__					m_e
FLT1	20.14		Pn	21:33:44.023						T__					m_e
GEC2	16.35		Pn	21:32:58.013						T__					m_e
GOR1	20.68		Pn	21:33:50.319						T__					m_e
GRA1	17.96		Pn	21:33:20.237						T__					m_e
GTTG	19.93		Pn	21:33:42.990						T__					m_e
GUNZ	18.11		Pn	21:33:21.873						T__					m_e
IBBN	21.37		Pn	21:33:58.401						T__					m_e
RETH	21.12		Pn	21:33:55.433						T__					m_e
RGN	21.50		Pn	21:33:58.358						T__					m_e
TANN	18.11		Pn	21:33:21.698						T__					m_e
WERD	18.19		Pn	21:33:22.552						T__					m_e
WET	16.89		Pn	21:33:05.393						T__					m_e