

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

(produced by SZO/BGR - HANNOVER)

February 2017 UPDATED 31.July 2019

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

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
70201001 Xizang	2017/02/01	10:07:44.30			30.7500	83.3800				10.0					56.07	56.07	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70201007
Ms	4.7		BGR	70201007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	56.07		P	10:17:23.329		81.0		5.80		TAS		8.2	1.06	m_e mb	4.7
GRA1	56.07		L	10:44:08.328						T__		591.7	19.30	a_e Ms	4.7

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
70201003 Tonga Islands	2017/02/01	13:48:53.70			-19.7300	-175.7400				200.0					149.59	149.59	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.59		PKP	14:08:18.777		13.0		1.76		TAS				m_e	

./2017/bull1702.txt Thu Apr 23 08:38:25 2020 2

Event 70201004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/01	15:18:01.55			49.0250	153.6780				33.0					76.50	76.50	m i ke	BGR
OrigID 70201010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70201010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.50		P	15:29:46.670		24.1		4.93		TAS		12.7	0.91	m_e mb	5.0

Event 70201005 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/01	18:11:37.39			29.5260	130.9370				33.0					84.71	84.71	m i ke	BGR
OrigID 70201011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70201011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.71		P	18:24:07.081		58.4		4.87		TAS		11.4	1.05	m_e mb	5.0

Event 70202002 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/02	05:05:39.70			-37.8200	177.5200				38.0					164.58	164.58	m i ke	GNS
OrigID 70202059																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	164.58		PKP	05:26:30.454		44.9		4.09		TAS				m_e	

Event 70203002 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/03	03:47:55.00			42.9900	13.0200				6.0					3.68	7.26	m i ke	ingv
OrigID 70203092																	

Magnitude Err Nsta Author OrigID
ML 4.7 BGR 70203009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.61		Sn	04:12:08.220						T__				m_e	
ARSA	4.61		Pn	04:11:16.004						T__				m_e ML	4.4
CKRC	5.90		Sn	04:12:39.658						T__				m_e	
CKRC	5.90		Pn	04:11:33.291						T__				m_e ML	4.7
DAVA	4.84		Pn	04:11:20.747						T__				m_e	
DPC	7.73		Pn	04:11:57.431						T__				m_e ML	5.4
FUR	5.32		Pn	04:11:26.794						T__				m_e ML	5.0
GEC2	5.87		Sn	04:12:40.096						T__				m_e	
GEC2	5.87		Pn	04:11:32.864						T__				m_e ML	4.6
KBA	4.09		Sn	04:11:57.312						T__				m_e	
KBA	4.09		Pn	04:11:09.886						T__				m_e ML	4.5
KHC	6.15		Sn	04:12:46.156						T__				m_e	
KHC	6.15		Pn	04:11:36.753						T__				m_e ML	4.6
KRUC	6.51		Sn	04:12:53.549						T__				m_e	
KRUC	6.51		Pn	04:11:41.259						T__				m_e ML	4.4
MANZ	7.03		Sn	04:13:02.518						T__				m_e	
MANZ	7.03		Pn	04:11:48.017						T__				m_e ML	4.7
MOA	4.94		Sn	04:12:17.553						T__				m_e	
MOA	4.94		Pn	04:11:21.150						T__				m_e ML	4.4
MORC	7.47		Pn	04:11:55.344						T__				m_e	
MOX	7.72		Sn	04:13:21.358						T__				m_e	
MOX	7.72		Pn	04:11:57.313						T__				m_e ML	4.6
NKC	7.26		Sn	04:13:09.911						T__				m_e	
NKC	7.26		Pn	04:11:52.167						T__				m_e ML	5.0
OBER	4.82		Sn	04:12:19.128						T__				m_e	
OBER	4.82		Pn	04:11:21.434						T__				m_e ML	4.4
OBKA	3.68		Sn	04:11:48.707						T__				m_e	
OBKA	3.68		Pn	04:11:02.962						T__				m_e ML	4.9
PART	4.71		Sn	04:12:15.129						T__				m_e ML	4.3
PRU	7.08		Sn	04:13:05.063						T__				m_e	
PRU	7.08		Pn	04:11:49.084						T__				m_e ML	4.7
PVCC	7.61		Pn	04:11:55.961						T__				m_e ML	5.2
RJOB	4.75		Sn	04:12:15.129						T__				m_e	
RJOB	4.75		Pn	04:11:18.921						T__				m_e ML	4.6
ROTZ	6.80		Sn	04:12:58.518						T__				m_e	
ROTZ	6.80		Pn	04:11:45.029						T__				m_e ML	4.6
TNS	7.89		Sn	04:13:25.766						T__				m_e ML	4.8
UBR	5.12		Sn	04:12:24.219						T__				m_e	
UBR	5.12		Pn	04:11:24.256						T__				m_e ML	4.7
VRAC	6.79		Sn	04:12:56.700						T__				m_e	
VRAC	6.79		Pn	04:11:45.219						T__				m_e ML	4.4
WTTA	4.39		Sn	04:12:06.402						T__				m_e	
WTTA	4.39		Pn	04:11:14.463						T__				m_e ML	4.9
ZUGS	4.66		Sn	04:12:12.583						T__				m_e	
ZUGS	4.66		Pn	04:11:18.873						T__				m_e ML	4.6

Event 70203006 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/03	19:55:33.40			16.7900	-58.2630				64.3	1.0		8		61.57	65.95	m i ke	BGR
OrigID 70203012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70203012
Ms	5.3		BGR	70203012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	61.57		P	20:04:53.569	-0.2	265.6		6.33		TAS		78.1	1.17	m_e mb	5.8
AHRW	61.57		pP	20:05:10.664		265.7		6.34		TAS				m_e	
ASSE	64.01		P	20:05:08.906	-0.1	265.6		6.33		TAS		42.6	1.09	m_e mb	5.6
BFO	62.11		P	20:04:56.343		265.6		6.33		TAS		15.6	1.11	m_e mb	5.1
BRG	65.95		P	20:05:21.081	-0.2	265.6		6.33		TAS		38.5	0.97	m_e mb	5.6
BRG	65.95		pP	20:05:38.057		265.7		6.34		TAS				m_e	
BSEG	64.00		P	20:05:08.274	0.0	265.6		6.33		TAS		34.7	1.06	m_e mb	5.5
BUG	61.82		P	20:04:54.360	-0.3	265.6		6.33		TAS		28.4	0.98	m_e mb	5.5
BUG	61.82		pP	20:05:11.595		265.7		6.34		TAS				m_e	
CLL	65.38		P	20:05:17.128	-0.3	265.6		6.33		TAS		51.6	1.02	m_e mb	5.7
CLL	65.38		pP	20:05:34.457		265.7		6.34		TAS				m_e	
CLZ	63.79		P	20:05:07.167	0.2	265.6		6.33		TAS		42.6	1.34	m_e mb	5.5
CLZ	63.79		pP	20:05:24.378		265.7		6.34		TAS				m_e	
FBE	65.58		P	20:05:18.709	0.0	265.6		6.33		TAS		31.3	1.13	m_e mb	5.4
FBE	65.58		pP	20:05:35.961		265.7		6.34		TAS				m_e	
FLT1	64.37		P	20:05:10.645	0.3	265.6		6.33		TAS		25.8	0.96	m_e mb	5.4
GEC2	65.70		P	20:05:19.628		265.6		6.33		TAS		41.8	1.04	m_e mb	5.6
GRA1	64.13		L	20:30:04.297						T_		2045.1	19.90	a_e Ms	5.3
GTTG	63.51		P	20:05:05.744	-0.5	265.6		6.33		TAS		38.9	1.29	m_e mb	5.5
GUNZ	64.89		P	20:05:14.413	0.2	265.6		6.33		TAS		12.6	0.80	m_e mb	5.2
IBBN	62.25		P	20:04:57.364	-0.3	265.6		6.33		TAS		58.3	1.06	m_e mb	5.7
KAST	62.50		P	20:04:58.945	0.0	265.6		6.33		TAS		29.5	1.14	m_e mb	5.3
MANZ	64.72		P	20:05:13.737	0.1	265.6		6.33		TAS		14.6	1.10	m_e mb	5.1
MANZ	64.72		pP	20:05:30.621		265.7		6.34		TAS				m_e	
MOX	64.46		P	20:05:11.436	-0.3	265.6		6.33		TAS		8.6	0.86	m_e mb	5.0
MOX	64.46		L	20:31:04.164						T_		1621.7	19.10	a_e Ms	5.2
NEUB	64.60		P	20:05:12.543	-0.0	265.6		6.33		TAS		36.9	1.17	m_e mb	5.5
NRDL	63.70		P	20:05:07.167	-0.1	265.6		6.33		TAS		30.2	0.98	m_e mb	5.5
NRDL	63.70		pP	20:05:24.075	-0.1	265.7		6.34		TAS				m_e	
PLN	64.79		P	20:05:13.491	-0.0	265.6		6.33		TAS		32.1	1.54	m_e mb	5.3
RETH	63.28		P	20:05:04.321	0.5	265.6		6.33		TAS		39.3	1.16	m_e mb	5.4
ROTZ	64.77		P	20:05:13.551	0.0	265.6		6.33		TAS		6.9	1.21	m_e mb	4.8
RUE	65.94		P	20:05:20.765	-0.1	265.6		6.33		TAS		34.4	0.77	m_e mb	5.7
STU	62.73		P	20:05:00.711		265.6		6.33		TAS		199.3	1.33	m_e mb	6.1

TANN	64.98	P	20:05:14.914	0.2	265.6	6.33	TAS	37.6	1.24	m_e	mb	5.5
TNS	62.40	P	20:04:58.852	-0.1	265.6	6.33	TAS	56.0	0.97	m_e	mb	5.8
UBR	63.24	P	20:05:04.238		265.6	6.33	TAS	35.0	1.01	m_e	mb	5.4
WERD	64.88	P	20:05:14.124	0.0	265.6	6.33	TAS	28.6	1.28	m_e	mb	5.3
WERN	64.92	P	20:05:14.806	0.4	265.6	6.33	TAS	27.3	1.13	m_e	mb	5.4

Event 70204002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/04	19:16:06.07			-20.2650	-177.4950				33.0			19		145.86	150.52	m i ke	BGR
70204008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	148.15		PKPbc	19:35:48.605	0.1	16.4		2.59		TAS				m_e	
BSEG	145.86		PKPbc	19:35:42.293	-0.0	16.4		2.59		TAS				m_e	
CLL	147.94		PKPbc	19:35:48.079	0.1	16.4		2.59		TAS				m_e	
FBE	148.23		PKPbc	19:35:49.131	-0.2	16.4		2.59		TAS				m_e	
FLT1	147.28		PKPbc	19:35:46.080	0.0	16.4		2.59		TAS				m_e	
GEC2	150.10		PKPbc	19:35:53.129		16.4		2.59		TAS				m_e	
GOR1	146.63		PKPbc	19:35:44.607	-0.2	16.4		2.59		TAS				m_e	
GTTG	148.24		PKPbc	19:35:49.131	0.2	16.4		2.59		TAS				m_e	
MANZ	149.38		PKPbc	19:35:51.866		16.4		2.59		TAS				m_e	
MOX	148.84		PKPbc	19:35:50.288	0.1	16.4		2.59		TAS				m_e	
NEUB	148.28		PKPbc	19:35:49.026	0.1	16.4		2.59		TAS				m_e	
NRDL	147.29		PKPbc	19:35:46.396	0.4	16.4		2.59		TAS				m_e	
PLN	148.89		PKPbc	19:35:50.499		16.4		2.59		TAS				m_e	
RETH	147.15		PKPbc	19:35:46.185	0.1	16.4		2.59		TAS				m_e	
ROTZ	149.56		PKPbc	19:35:52.287		16.4		2.59		TAS				m_e	
TANN	148.90		PKPbc	19:35:50.288		16.4		2.59		TAS				m_e	
TNS	149.74		PKPbc	19:35:52.498		16.4		2.59		TAS				m_e	
WERD	148.90		PKPbc	19:35:50.604		16.4		2.59		TAS				m_e	
WLF	150.52		PKPbc	19:35:55.128		16.4		2.59		TAS				m_e	

Event 70205003 Turkmenistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/05	13:46:38.20			39.8600	53.3100				33.0			18		29.43	33.40	m i ke	BGR
70205009																	

Magnitude Err Nsta Author OrigID

mb	5.0		BGR	70205009
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Ms 3.7 BGR 70205009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	29.43		P	13:52:42.075	0.1	93.9		8.88		TAS		17.5	1.03	m_e	mb 4.8
BSEG	32.04		P	13:53:04.722		93.9		8.88		TAS		17.0	1.13	m_e	mb 4.9
CLL	30.07		P	13:52:47.416	-0.1	93.9		8.88		TAS				m_e	
FBE	29.81		P	13:52:44.853	-0.4	93.9		8.88		TAS		27.1	0.27	m_e	mb 5.6
FLT1	31.28		P	13:52:57.672		93.9		8.88		TAS		13.7	0.84	m_e	mb 4.9
GEC2	29.43		P	13:52:41.541	0.1	93.9		8.88		TAS		5.9	0.97	m_e	mb 4.4
GRA1	31.09		L	14:05:56.911						T__		154.7	18.80	a_e	Ms 3.7
GTTG	31.99		P	13:53:04.509		93.9		8.88		TAS		13.5	1.03	m_e	mb 4.8
GUNZ	30.41		P	13:52:50.598	0.0	93.9		8.88		TAS		10.2	1.03	m_e	mb 4.6
IBBN	33.40		P	13:53:16.580		93.9		8.88		TAS		29.7	1.41	m_e	mb 5.0
MOX	30.88		P	13:52:55.001	0.1	93.9		8.88		TAS		27.6	1.14	m_e	mb 5.1
MOX	30.88		L	14:15:32.044						T__		147.7	19.30	a_e	Ms 3.7
NEUB	30.83		P	13:52:54.360	-0.2	93.9		8.88		TAS		31.6	0.99	m_e	mb 5.2
PLN	30.53		P	13:52:51.700	-0.1	93.9		8.88		TAS		12.8	0.98	m_e	mb 4.8
RETH	32.46		P	13:53:08.461		93.9		8.88		TAS		58.8	1.75	m_e	mb 5.2
RJOB	30.00		P	13:52:46.350	0.5	93.9		8.88		TAS		17.8	0.81	m_e	mb 4.9
RUE	29.75		P	13:52:43.891	-0.4	93.9		8.88		TAS		213.3	2.94	m_e	mb 5.5
STU	32.40		P	13:53:07.607		93.9		8.88		TAS		76.9	0.97	m_e	mb 5.6
TNS	32.89		P	13:53:12.628		93.9		8.88		TAS		20.1	1.11	m_e	mb 5.0
WERD	30.43		P	13:52:50.756	0.2	93.9		8.88		TAS		10.3	0.92	m_e	mb 4.7

Event 70205004 Turkmenistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/05	15:59:18.18			39.9100	53.2000				33.0			15		29.33	32.31	m i ke	BGR
70205010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70205010
Ms	3.4		BGR	70205010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	29.34		P	16:05:24.409	0.4	94.1		8.98		TAS		12.8	0.86	m_e	mb 4.8
BSEG	31.94		P	16:05:46.837		94.1		8.98		TAS		17.5	1.08	m_e	mb 4.9
CLL	29.97		P	16:05:29.392	-0.1	94.1		8.98		TAS		10.2	1.05	m_e	mb 4.6
CLZ	31.66		P	16:05:44.676		94.1		8.98		TAS		8.6	0.86	m_e	mb 4.7
FLT1	31.18		P	16:05:39.895		94.1		8.98		TAS		19.4	0.86	m_e	mb 5.1
FUR	30.93		P	16:05:37.786		94.1		8.98		TAS		13.3	0.83	m_e	mb 4.9
GEC2	29.33		P	16:05:23.765	0.3	94.1		8.98		TAS		16.2	1.44	m_e	mb 4.7
GRA1	30.99		L	16:20:00.271						T__		71.4	21.00	a_e	Ms 3.3
GTTG	31.89		P	16:05:46.847		94.1		8.98		TAS		20.1	1.10	m_e	mb 5.0
MOX	30.79		P	16:05:37.216		94.1		8.98		TAS		27.8	0.90	m_e	mb 5.2
MOX	30.79		L	16:18:04.071						T__		114.7	21.00	a_e	Ms 3.5

NEUB	30.73	P	16:05:36.552	-0.1	94.1	8.98	TAS	22.9	0.88	m_e	mb	5.1
PLN	30.43	P	16:05:32.879	-0.0	94.1	8.98	TAS	15.9	0.96	m_e	mb	4.8
ROTZ	30.35	P	16:05:32.841	-0.1	94.1	8.98	TAS	3.0	1.37	m_e	mb	3.9
RUE	29.66	P	16:05:26.371	-0.1	94.1	8.98	TAS	16.9	1.00	m_e	mb	4.8
STU	32.31	P	16:05:50.022		94.1	8.98	TAS	88.3	0.93	m_e	mb	5.7
WERD	30.33	P	16:05:33.021	-0.4	94.1	8.98	TAS	9.4	0.87	m_e	mb	4.6

Event 70206001 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/06	03:51:31.88			39.0240	26.0740				10.0			27		13.24	18.38	m i ke	BGR
70206007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70206007
Ms	4.0		BGR	70206007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	16.92		P	03:55:36.192	-1.0	129.7		13.76		TAS		120.5	1.84	m_e	mb	4.7
BSEG	18.38		P	03:55:51.316		129.7		13.76		TAS		125.4	1.46	m_e	mb	4.8
BUG	18.09		P	03:55:50.152		129.7		13.76		TAS		261.1	2.04	m_e	mb	5.0
CLL	15.33		P	03:55:11.032	-2.3	129.7		13.76		TAS		118.1	1.60	m_e		
CLZ	16.85		P	03:55:36.192	-2.4	129.7		13.76		TAS		167.5	1.78	m_e		
FBE	14.89		P	03:55:05.479	2.0	129.7		13.76		TAS		126.0	1.46	m_e		
FLT1	16.82		P	03:55:30.608	-0.7	129.7		13.76		TAS		176.3	1.68	m_e		
FUR	14.07		P	03:54:55.236	-1.2	129.7		13.76		TAS		99.3	1.29	m_e		
GEC2	13.24		P	03:54:45.004	0.1	129.7		13.76		TAS		221.3	2.03	m_e		
GOR1	17.28		P	03:55:39.680	-0.8	129.7		13.76		TAS		223.8	1.77	m_e		
GRA1	15.02		L	04:02:54.707						T__		1273.2	20.20	a_e	Ms	4.1
GTTG	16.84		P	03:55:35.145	0.9	129.7		13.76		TAS		594.0	2.49	m_e		
GUNZ	14.94		P	03:55:09.202	-0.5	129.7		13.76		TAS		78.8	1.53	m_e		
KAST	17.37		P	03:55:40.613		129.7		13.76		TAS		151.9	1.70	m_e		
MANZ	14.78		P	03:55:04.548	-1.1	129.7		13.76		TAS		83.3	2.41	m_e		
MOX	15.46		P	03:55:13.125	-1.5	129.7		13.76		TAS		193.5	1.66	m_e		
MOX	15.46		L	04:04:28.509						T__		1025.0	19.40	a_e	Ms	4.0
NEUB	15.78		P	03:55:17.343	1.4	129.7		13.76		TAS		380.5	2.41	m_e		
NRDL	17.43		P	03:55:41.311		129.7		13.76		TAS		130.9	1.60	m_e		
PLN	15.10		P	03:55:08.409	-1.2	129.7		13.76		TAS		164.5	2.47	m_e		
RETH	17.92		P	03:55:45.499		129.7		13.76		TAS		392.3	2.02	m_e		
ROTZ	14.59		P	03:55:01.756	-0.2	129.7		13.76		TAS		20.5	1.60	m_e		
STU	15.56		P	03:55:14.553	1.8	129.7		13.76		TAS		450.5	1.81	m_e		
TANN	14.92		P	03:55:05.944	-1.3	129.7		13.76		TAS		35.1	1.26	m_e		
TNS	16.77		P	03:55:34.563	0.4	129.7		13.76		TAS		153.9	1.46	m_e		
UBBA	16.35		P	03:55:24.830	2.2	129.7		13.76		TAS		198.7	2.11	m_e		
WERD	15.01		P	03:55:10.321	-1.6	129.7		13.76		TAS		133.4	2.33	m_e		
WERN	14.87		P	03:55:08.220	1.8	129.7		13.76		TAS		28.5	0.88	m_e		

WLF 17.73 P 03:55:45.499 129.7 13.76 TAS 275.0 2.00 m_e

Event 70206005 Turkey

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/02/06 10:58:01.30 39.5200 26.0900 6.0 12.87 18.00 m i ke emsc
70206041

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 70206005.

Event 70206006 Off east coast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/02/06 11:58:27.14 36.7900 142.5500 33.0 14 81.63 83.58 m i ke BGR
70206012

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 70206012

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 70206006.

CLZ	82.34	P	12:10:41.775	-0.1	37.4	5.20	TAS	37.1	1.11	m_e	mb	5.4
FBE	81.92	P	12:10:39.572	-0.1	37.4	5.20	TAS	50.2	1.14	m_e	mb	5.5
FLT1	81.63	P	12:10:37.453	-0.0	37.4	5.20	TAS	22.5	0.96	m_e	mb	5.3
GUNZ	82.76	P	12:10:43.640	-0.1	37.4	5.20	TAS	19.8	1.07	m_e	mb	5.3
KAST	83.58	P	12:10:47.793		37.4	5.20	TAS	20.0	0.99	m_e	mb	5.3
MANZ	83.15	P	12:10:45.504		37.4	5.20	TAS	3.9	1.04	m_e	mb	4.6
MOX	82.82	P	12:10:43.809	-0.0	37.4	5.20	TAS	22.7	1.25	m_e	mb	5.3
NEUB	82.33	P	12:10:41.182	0.4	37.4	5.20	TAS	45.6	1.02	m_e	mb	5.6
PLN	82.73	P	12:10:43.386	0.1	37.4	5.20	TAS	19.2	1.40	m_e	mb	5.1
ROTZ	83.28	P	12:10:46.352		37.4	5.20	TAS	9.1	1.31	m_e	mb	4.8
TANN	82.67	P	12:10:42.962	0.0	37.4	5.20	TAS	9.5	1.01	m_e	mb	5.0
WERD	82.71	P	12:10:43.301	-0.1	37.4	5.20	TAS	25.3	1.45	m_e	mb	5.2

Event 70206007 Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/06	13:03:06.57			4.3320	-72.7370				33.0			21		79.52	84.57	m i ke	BGR
OrigID 70206013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	70206013
Ms	4.8		BGR	70206013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.19	P		13:15:01.728	0.2	268.2		5.15		TAS		74.5	0.90	m_e	mb	5.6
ASSE	82.55	P		13:15:13.850	0.2	268.2		5.15		TAS		24.0	0.92	m_e	mb	5.4
BFO	80.84	P		13:15:04.306	-0.5	268.2		5.15		TAS		53.8	1.30	m_e	mb	5.4
BRG	84.57	P		13:15:23.810		268.2		5.15		TAS		44.8	0.93	m_e	mb	5.7
BUG	80.40	P		13:15:02.146	-0.4	268.2		5.15		TAS		85.8	0.87	m_e	mb	5.7
CLL	83.98	P		13:15:20.849		268.2		5.15		TAS		26.0	0.87	m_e	mb	5.5
CLZ	82.35	P		13:15:12.621	0.1	268.2		5.15		TAS		54.4	0.91	m_e	mb	5.7
FBE	84.20	P		13:15:22.104		268.2		5.15		TAS		49.6	1.14	m_e	mb	5.6
FLT1	82.91	P		13:15:15.072	-0.2	268.2		5.15		TAS		68.2	0.82	m_e	mb	5.9
GEC2	84.42	P		13:15:23.000		268.2		5.15		TAS		51.3	0.84	m_e	mb	5.8
GRA1	82.81	L		13:49:42.954						T__		440.2	20.10	a_e	Ms	4.8
IBBN	80.77	P		13:15:04.493	0.1	268.2		5.15		TAS		84.3	0.89	m_e	mb	5.8
KAST	81.09	P		13:15:05.787	0.3	268.2		5.15		TAS		33.3	0.89	m_e	mb	5.4
MANZ	83.39	P		13:15:18.027		268.2		5.15		TAS		7.6	0.89	m_e	mb	4.9
MOX	83.09	L		13:50:04.289						T__		467.9	20.90	a_e	Ms	4.8
NEUB	83.20	P		13:15:16.981		268.2		5.15		TAS		66.4	1.37	m_e	mb	5.7
NRDL	82.22	P		13:15:11.930	0.0	268.2		5.15		TAS		52.2	0.89	m_e	mb	5.7
RETH	81.78	P		13:15:09.933	0.0	268.2		5.15		TAS		69.2	0.85	m_e	mb	5.8
TANN	83.62	P		13:15:19.321		268.2		5.15		TAS		38.8	0.96	m_e	mb	5.6
TNS	81.04	P		13:15:05.800	-0.3	268.2		5.15		TAS		50.7	0.87	m_e	mb	5.6
UBR	82.00	P		13:15:11.180	0.0	268.2		5.15		TAS		86.3	1.13	m_e	mb	5.8
WERN	83.57	P		13:15:19.090		268.2		5.15		TAS		27.4	0.93	m_e	mb	5.5

WLF 79.52 P 13:14:58.167 0.1 268.2 5.15 TAS 179.2 0.87 m_e mb 6.0

Event 70206008 Northern India

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/06	17:03:00.82			29.3680	79.3170				19.4	0.6		5		52.56	57.65	m i ke	BGR
OrigID 70206014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	70206014
Ms	4.8		BGR	70206014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	56.94		P	17:12:44.111	-0.3	85.1		7.30		TAS		74.7	1.21	m_e mb	5.6
BRG	52.56		P	17:12:12.252		85.1		7.30		TAS		63.2	1.10	m_e mb	5.5
BSEG	54.66		P	17:12:27.481	0.1	85.1		7.30		TAS		66.8	0.95	m_e mb	5.6
BUG	56.71		P	17:12:42.419	-0.2	85.1		7.30		TAS		123.0	1.05	m_e mb	5.9
CLL	53.14		P	17:12:16.054		85.1		7.30		TAS		100.6	1.60	m_e mb	5.5
CLZ	54.74		P	17:12:28.384	-0.6	85.1		7.30		TAS		133.9	0.94	m_e mb	6.0
FBE	52.93		P	17:12:15.134		85.1		7.30		TAS		96.5	1.10	m_e mb	5.6
FLT1	54.18		P	17:12:23.427	0.0	85.1		7.30		TAS		120.4	0.90	m_e mb	5.9
FUR	54.48		P	17:12:26.883	0.5	85.1		7.30		TAS		219.4	1.57	m_e mb	5.9
GEC2	52.82		P	17:12:14.136		85.1		7.30		TAS		71.6	1.71	m_e mb	5.3
GOR1	54.11		P	17:12:23.424	0.4	85.1		7.30		TAS		270.1	1.37	m_e mb	6.1
GRA1	54.37		P	17:12:26.277	-0.1	85.1		7.30		TAS		190.5	1.54	m_e mb	5.9
GRA1	54.37		L	17:38:07.751						T__		758.9	19.60	a_e Ms	4.8
GTTG	55.02		P	17:12:30.206	0.6	85.1		7.30		TAS		113.4	1.05	m_e mb	5.8
GTTG	55.02		pP	17:12:35.544		85.5		7.11		TAS				m_e	
GUNZ	53.61		P	17:12:20.040	0.0	85.1		7.30		TAS		102.1	1.47	m_e mb	5.6
GUNZ	53.61		pP	17:12:25.536		85.5		7.11		TAS				m_e	
IBBN	56.31		P	17:12:39.491	-0.0	85.1		7.30		TAS		189.3	1.22	m_e mb	6.0
MANZ	53.78		P	17:12:21.821	0.1	85.1		7.30		TAS		40.0	1.58	m_e mb	5.2
MANZ	53.78		pP	17:12:27.143		85.5		7.11		TAS				m_e	
MOX	54.05		P	17:12:23.357	-0.1	85.1		7.30		TAS		104.7	1.45	m_e mb	5.7
MOX	54.05		pP	17:12:28.602		85.5		7.11		TAS				m_e	
MOX	54.05		L	17:37:49.924						T__		741.1	19.60	a_e Ms	4.8
NEUB	53.91		P	17:12:22.140	-0.1	85.1		7.30		TAS		99.8	0.85	m_e mb	5.9
NRDL	54.86		P	17:12:29.272	0.5	85.1		7.30		TAS		159.3	1.01	m_e mb	6.0
NRDL	54.86		pP	17:12:34.476		85.5		7.11		TAS				m_e	
PLN	53.71		P	17:12:20.886	-0.2	85.1		7.30		TAS		101.4	1.58	m_e mb	5.6
RETH	55.30		P	17:12:32.143	0.3	85.1		7.30		TAS		107.1	1.23	m_e mb	5.7
RJOB	53.51		P	17:12:18.994	-0.2	85.1		7.30		TAS		77.3	1.72	m_e mb	5.5
ROTZ	53.73		P	17:12:21.393	-0.2	85.1		7.30		TAS		39.4	1.54	m_e mb	5.2
RUE	52.62		P	17:12:12.272		85.1		7.30		TAS		107.2	0.95	m_e mb	5.8
STU	55.79		P	17:12:36.109	-0.1	85.1		7.30		TAS		196.4	0.99	m_e mb	6.1
TANN	53.52		P	17:12:19.324	-0.3	85.1		7.30		TAS		87.5	1.54	m_e mb	5.6

TNS	56.10	P	17:12:38.183	0.1	85.1	7.30	TAS	53.2	1.04	m_e	mb	5.5
UBR	55.32	P	17:12:32.353	0.2	85.1	7.30	TAS	75.5	1.04	m_e	mb	5.7
WERD	53.62	P	17:12:20.144	-0.5	85.1	7.30	TAS	108.0	1.50	m_e	mb	5.7
WERN	53.59	P	17:12:20.079	-0.2	85.1	7.30	TAS	88.1	1.63	m_e	mb	5.5
WLF	57.65	P	17:12:49.406	-0.2	85.1	7.30	TAS	119.7	1.21	m_e	mb	5.8

Event 70207002 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/07	02:24:03.40			39.5300	26.1200				8.0					14.16	17.01	m i ke	emsc
	70207038																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	15.52		Pn	02:27:42.913						T__				m_e	
CLZ	16.47		Pn	02:27:59.000						T__				m_e	
FLT1	16.42		Pn	02:27:58.898						T__				m_e	
GOR1	16.87		Pn	02:28:01.740						T__				m_e	
GRA1	14.66		Pn	02:27:35.859						T__				m_e	
GUNZ	14.56		Pn	02:27:31.952						T__				m_e	
KAST	17.01		Pn	02:28:04.328						T__				m_e	
MANZ	14.41		Pn	02:27:27.841						T__				m_e	
MOX	15.08		Pn	02:27:39.361						T__				m_e	
PLN	14.72		Pn	02:27:36.620						T__				m_e	
ROTZ	14.22		Pn	02:27:28.146						T__				m_e	
TANN	14.53		Pn	02:27:31.140						T__				m_e	
TNS	16.42		Pn	02:27:58.137						T__				m_e	
UBR	14.16		Pn	02:27:26.167						T__				m_e	
WERD	14.62		Pn	02:27:33.880						T__				m_e	

Event 70207007 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/02/07	12:22:18.73			-22.1940	-177.8150				33.0					23	147.71	151.87	m i ke	BGR
	70207013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.41		PKPbc	12:42:04.629	0.0	17.8		2.41		TAS				m_e	
BRG	149.94		PKPbc	12:42:05.968	0.2	17.8		2.41		TAS				m_e	
BSEG	147.71		PKPbc	12:42:00.330	-0.2	17.8		2.41		TAS				m_e	

BUG	150.54	PKPbc	12:42:07.448	0.4	17.8	2.41	TAS	m_e
CLL	149.74	PKPbc	12:42:05.404	0.1	17.8	2.41	TAS	m_e
CLZ	149.73	PKPbc	12:42:05.757	0.1	17.8	2.41	TAS	m_e
FBE	150.03	PKPbc	12:42:06.532	0.0	17.8	2.41	TAS	m_e
FLT1	149.12	PKPbc	12:42:03.642	-0.2	17.8	2.41	TAS	m_e
GEC2	151.87	PKPbc	12:42:10.083		17.8	2.41	TAS	m_e
GTTG	150.08	PKPbc	12:42:06.320	0.1	17.8	2.41	TAS	m_e
GUNZ	150.78	PKPbc	12:42:08.087		17.8	2.41	TAS	m_e
IBBN	149.63	PKPbc	12:42:05.334	0.1	17.8	2.41	TAS	m_e
KAST	150.64	PKPbc	12:42:07.871	-0.0	17.8	2.41	TAS	m_e
MANZ	151.18	PKPbc	12:42:08.791		17.8	2.41	TAS	m_e
MOX	150.66	PKPbc	12:42:07.589	0.3	17.8	2.41	TAS	m_e
NEUB	150.10	PKPbc	12:42:06.320	0.1	17.8	2.41	TAS	m_e
NRDL	149.14	PKPbc	12:42:04.065	0.0	17.8	2.41	TAS	m_e
ROTZ	151.37	PKPbc	12:42:09.144		17.8	2.41	TAS	m_e
RUE	148.48	PKPbc	12:42:02.162	0.3	17.8	2.41	TAS	m_e
TANN	150.70	PKPbc	12:42:07.735	-0.6	17.8	2.41	TAS	m_e
TNS	151.60	PKPbc	12:42:09.965		17.8	2.41	TAS	m_e
WERD	150.70	PKPbc	12:42:07.852	-0.2	17.8	2.41	TAS	m_e
WERN	150.84	PKPbc	12:42:08.322		17.8	2.41	TAS	m_e

Event 70207009 Off coast of Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/07	22:03:56.09			24.5000	62.5000				29.3	1.0		32		45.09	49.70	m i ke	BGR
70207015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70207015
Ms	5.8		BGR	70207015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	49.65		P	22:12:45.581		103.8		7.79		TAS		86.8	1.20	m_e	mb 5.6
ASSE	47.79		P	22:12:30.432	-0.5	103.8		7.79		TAS		191.7	1.90	m_e	mb 5.9
ASSE	47.79		pP	22:12:38.407						T__					m_e
BFO	48.47		P	22:12:34.947	0.6	103.8		7.79		TAS		156.3	2.19	m_e	mb 5.8
BRG	45.49		P	22:12:12.774	0.1	103.8		7.79		TAS		67.1	1.33	m_e	mb 5.4
BSEG	48.48		P	22:12:35.749	-0.1	103.8		7.79		TAS		48.5	0.96	m_e	mb 5.6
BUG	49.70		P	22:12:45.682		103.8		7.79		TAS		159.1	1.10	m_e	mb 5.9
CLL	46.18		P	22:12:18.292	0.2	103.8		7.79		TAS		203.3	1.13	m_e	mb 6.1
CLZ	47.90		P	22:12:31.736	0.4	103.8		7.79		TAS		140.5	1.09	m_e	mb 6.0
FBE	45.86		P	22:12:15.684	0.1	103.8		7.79		TAS		137.7	1.65	m_e	mb 5.7
FLT1	47.51		P	22:12:27.823	-0.1	103.8		7.79		TAS		125.8	0.92	m_e	mb 6.0
FLT1	47.51		pP	22:12:35.966						T__					m_e
FUR	46.50		P	22:12:20.299	0.3	103.8		7.79		TAS		113.5	0.91	m_e	mb 6.0
FUR	46.50		pP	22:12:28.023						T__					m_e

GEC2	45.09	P	22:12:09.564	0.0	103.8	7.79	TAS	307.3	1.29	m_e	mb	6.1
GOR1	47.65	P	22:12:29.328	0.3	103.8	7.79	TAS	345.3	1.58	m_e	mb	6.2
GRA1	46.87	P	22:12:23.810	0.4	103.8	7.79	TAS	423.9	1.40	m_e	mb	6.4
GRA1	46.87	L	22:39:47.557				T__	10014.9	18.60	a_e	Ms	5.8
GTTG	48.08	P	22:12:33.241	0.3	103.8	7.79	TAS	105.9	0.91	m_e	mb	6.0
GUNZ	46.34	P	22:12:19.095	-0.3	103.8	7.79	TAS	88.2	1.87	m_e	mb	5.5
IBBN	49.58	P	22:12:43.575	0.1	103.8	7.79	TAS	401.5	1.45	m_e	mb	6.1
KAST	48.95	P	22:12:40.164	0.4	103.8	7.79	TAS	82.8	1.11	m_e	mb	5.7
KAST	48.95	pP	22:12:47.942				T__			m_e		
MANZ	46.38	P	22:12:19.596	-0.3	103.8	7.79	TAS	27.9	1.81	m_e	mb	5.0
MOX	46.85	P	22:12:23.610	-0.2	103.8	7.79	TAS	97.5	1.19	m_e	mb	5.8
MOX	46.85	L	22:36:06.422				T__	11271.2	20.20	a_e	Ms	5.8
NEUB	46.89	P	22:12:23.409	0.3	103.8	7.79	TAS	169.0	1.05	m_e	mb	6.1
NRDL	48.22	P	22:12:34.044	-0.7	103.8	7.79	TAS	165.5	1.21	m_e	mb	6.0
PLN	46.47	P	22:12:20.098	-0.1	103.8	7.79	TAS	42.3	1.34	m_e	mb	5.3
RETH	48.72	P	22:12:37.655	0.5	103.8	7.79	TAS	66.7	1.05	m_e	mb	5.6
RJOB	45.42	P	22:12:12.072	0.2	103.8	7.79	TAS	325.7	0.75	m_e	mb	6.3
ROTZ	46.26	P	22:12:18.894	0.1	103.8	7.79	TAS	37.1	1.24	m_e	mb	5.3
RUE	46.06	P	22:12:16.687	-0.2	103.8	7.79	TAS	110.2	1.02	m_e	mb	5.8
STU	47.98	P	22:12:31.435	0.2	103.8	7.79	TAS	370.1	1.24	m_e	mb	6.4
STU	47.98	pP	22:12:39.235				T__			m_e		
TANN	46.27	P	22:12:18.292	-0.5	103.8	7.79	TAS	128.1	2.17	m_e	mb	5.6
TNS	48.73	P	22:12:38.558	-1.0	103.8	7.79	TAS	529.2	2.02	m_e	mb	6.2
UBR	47.18	P	22:12:25.817	0.1	103.8	7.79	TAS	384.8	1.45	m_e	mb	6.3
WERN	46.29	P	22:12:19.095	0.1	103.8	7.79	TAS	91.7	1.53	m_e	mb	5.6

Event 70208001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/08	00:05:30.82			-19.2400	-177.3750				33.0			30		144.87	150.98	m i ke	BGR
	70208007																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.58		PKPbc	00:25:12.857	-0.2	15.8		2.70		TAS					m_e
BFO	150.62		PKPbc	00:25:23.685		15.8		2.70		TAS					m_e
BRG	147.18		PKPbc	00:25:14.893	0.2	15.8		2.70		TAS					m_e
BSEG	144.87		PKPbc	00:25:08.244	-0.2	15.8		2.70		TAS					m_e
BUG	147.66		PKPbc	00:25:15.911	-0.6	15.8		2.70		TAS					m_e
CLL	146.97		PKPbc	00:25:13.967	-0.1	15.8		2.70		TAS					m_e
FBE	147.26		PKPbc	00:25:15.356	0.5	15.8		2.70		TAS					m_e
FLT1	146.29		PKPbc	00:25:11.839	-0.4	15.8		2.70		TAS					m_e
GEC2	149.14		PKPbc	00:25:19.891	0.1	15.8		2.70		TAS					m_e
GOR1	145.65		PKPbc	00:25:10.265	0.5	15.8		2.70		TAS					m_e
GRA1	148.85		PKPbc	00:25:19.428	-0.1	15.8		2.70		TAS					m_e

GTTG	147.25	PKPbc	00:25:15.263	-0.1	15.8	2.70	TAS	m_e
GUNZ	148.00	PKPbc	00:25:17.299	0.4	15.8	2.70	TAS	m_e
IBBN	146.76	PKPbc	00:25:14.152	-0.3	15.8	2.70	TAS	m_e
KAST	147.78	PKPbc	00:25:16.374	0.4	15.8	2.70	TAS	m_e
MOX	147.86	PKPbc	00:25:16.651	0.2	15.8	2.70	TAS	m_e
NEUB	147.30	PKPbc	00:25:15.170	0.2	15.8	2.70	TAS	m_e
NRDL	146.30	PKPbc	00:25:12.209	0.1	15.8	2.70	TAS	m_e
PLN	147.91	PKPbc	00:25:16.836	0.2	15.8	2.70	TAS	m_e
RETH	146.16	PKPbc	00:25:11.839	-0.2	15.8	2.70	TAS	m_e
RJOB	150.39	PKPbc	00:25:22.852		15.8	2.70	TAS	m_e
ROTZ	148.59	PKPbc	00:25:18.595	0.3	15.8	2.70	TAS	m_e
RUE	145.70	PKPbc	00:25:09.988	-0.7	15.8	2.70	TAS	m_e
STU	150.07	PKPbc	00:25:22.482	-0.3	15.8	2.70	TAS	m_e
TANN	147.92	PKPbc	00:25:16.836	0.2	15.8	2.70	TAS	m_e
TNS	148.74	PKPbc	00:25:19.058	0.0	15.8	2.70	TAS	m_e
UBR	150.98	PKPbc	00:25:24.333		15.8	2.70	TAS	m_e
WERD	147.92	PKPbc	00:25:16.836	0.2	15.8	2.70	TAS	m_e
WERN	148.06	PKPbc	00:25:17.577	0.4	15.8	2.70	TAS	m_e
WLF	149.51	PKPbc	00:25:21.742		15.8	2.70	TAS	m_e

Event 70209003 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/09	09:58:27.50			42.6700	12.6800				9.0					5.07	7.70	m i ke	ingv
70209093																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	70209009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	6.43		Pn	10:00:02.838						T__				m_e	ML 4.2
GUNZ	7.70		Pn	10:00:20.557						T__				m_e	ML 4.3
RJOB	5.07		Pn	09:59:46.174						T__				m_e	ML 4.0

Event 70210001 South Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/10	02:58:17.60			-24.9560	-8.6930				10.0					76.40	76.40	m i ke	BGR
70210007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	70210007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.40		P	03:10:09.265		202.2		6.34		TAS		35.9	1.57	m_e	mb 5.3

Event 70210003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/10	07:18:25.72			-20.9270	-175.2750				85.9	1.6		24		146.77	152.96	m i ke	BGR
70210009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.51		PKPbc	07:38:17.563	-0.7	11.1		2.42		TAS				m_e	
BFO	152.51		pPKPbc	07:38:41.240	-0.5					T__				m_e	
BRG	149.25		PKPbc	07:38:10.121	-0.1	11.1		2.42		TAS				m_e	
BSEG	146.77		PKPbc	07:38:03.582	-0.5	11.1		2.42		TAS				m_e	
BUG	149.48		PKPbc	07:38:10.873	0.1	11.1		2.42		TAS				m_e	
CLL	148.99		PKPbc	07:38:09.445	-0.1	11.1		2.42		TAS				m_e	
CLZ	148.83		PKPbc	07:38:09.097	0.3	11.1		2.42		TAS				m_e	
CLZ	148.83		pPKPbc	07:38:32.851	-0.5					T__				m_e	
FBE	149.31		PKPbc	07:38:10.647	0.3	11.1		2.42		TAS				m_e	
FLT1	148.25		PKPbc	07:38:07.387	-0.5	11.1		2.42		TAS				m_e	
FLT1	148.25		pPKPbc	07:38:31.516	-0.5					T__				m_e	
GEC2	151.23		PKPbc	07:38:15.058	-0.3	11.1		2.42		TAS				m_e	
GTTG	149.17		PKPbc	07:38:10.046	0.2	11.1		2.42		TAS				m_e	
GUNZ	150.01		PKPbc	07:38:12.301	0.3	11.1		2.42		TAS				m_e	
KAST	149.65		PKPbc	07:38:11.174	0.1	11.1		2.42		TAS				m_e	
KAST	149.65		pPKPbc	07:38:34.642	-0.5					T__				m_e	
MANZ	150.42		PKPbc	07:38:12.843	0.3	11.1		2.42		TAS				m_e	
MANZ	150.42		pPKPbc	07:38:36.672	-0.5					T__				m_e	
MOX	149.85		PKPbc	07:38:11.625	0.1	11.1		2.42		TAS				m_e	
NEUB	149.29		PKPbc	07:38:10.196	0.0	11.1		2.42		TAS				m_e	
NRDL	148.22		PKPbc	07:38:07.340	-0.2	11.1		2.42		TAS				m_e	
NRDL	148.22		pPKPbc	07:38:31.298	-0.5					T__				m_e	
RJOB	152.47		PKPbc	07:38:17.956		11.1		2.42		TAS				m_e	
ROTZ	150.61		PKPbc	07:38:13.408	0.2	11.1		2.42		TAS				m_e	
ROTZ	150.61		pPKPbc	07:38:37.162	-0.5					T__				m_e	
RUE	147.74		PKPbc	07:38:06.137	-0.3	11.1		2.42		TAS				m_e	
RUE	147.74		pPKPbc	07:38:30.374	-0.5					T__				m_e	
TANN	149.94		PKPbc	07:38:12.076	0.3	11.1		2.42		TAS				m_e	
TNS	150.62		PKPbc	07:38:13.450	0.4	11.1		2.42		TAS				m_e	
UBR	152.96		PKPbc	07:38:18.315		11.1		2.42		TAS				m_e	
UBR	152.96		pPKPbc	07:38:42.163	-0.5					T__				m_e	
WERD	149.94		PKPbc	07:38:11.850	0.1	11.1		2.42		TAS				m_e	
WERD	149.94		pPKPbc	07:38:35.445	-0.5					T__				m_e	
WERN	150.08		PKPbc	07:38:12.452	0.3	11.1		2.42		TAS				m_e	

WERN	150.08	pPKPbc	07:38:35.954	-0.5						T__						m_e
WLF	151.30	PKPbc	07:38:15.383	0.1	11.1				2.42	TAS						m_e
WLF	151.30	pPKPbc	07:38:39.004	-0.5						T__						m_e

Event 70210007 Mindanao, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/10	14:03:51.01			9.8790	125.5000				14.3					95.06	100.62	m i ke	BGR
	70210013																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70210013
Ms	6.6		BGR	70210013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	99.67		P	14:17:26.707		64.1		4.52		TAS		4.3	0.71	m_e mb	5.2
BFO	99.98		P	14:17:28.425		64.1		4.52		TAS		5.4	0.96	m_e mb	5.1
BRG	95.60		P	14:17:07.955		64.1		4.52		TAS				m_e	
BSEG	96.34		P	14:17:11.366		64.1		4.52		TAS				m_e	
BUG	99.14		P	14:17:24.188		64.1		4.52		TAS		12.6	0.84	m_e mb	5.7
BUG	99.14		pP	14:17:28.377						T__				m_e	
CLL	95.97		P	14:17:09.966		64.1		4.52		TAS		4.6	0.82	m_e mb	5.1
CLZ	97.23		P	14:17:15.808		64.1		4.52		TAS				m_e	
FBE	95.92		P	14:17:09.613		64.1		4.52		TAS		5.6	0.80	m_e mb	5.1
FLT1	96.54		P	14:17:12.192		64.1		4.52		TAS				m_e	
GEC2	96.53		P	14:17:12.247		64.1		4.52		TAS				m_e	
GRA1	97.67		P	14:17:17.741		64.1		4.52		TAS				m_e	
GRA1	97.67		L	15:05:03.690						T__		30912.1	21.10	a_e Ms	6.8
GTTG	97.59		P	14:17:17.673		64.1		4.52		TAS				m_e	
GUNZ	96.74		P	14:17:13.183		64.1		4.52		TAS				m_e	
GUNZ	96.74		pP	14:17:17.549						T__				m_e	
IBBN	98.46		P	14:17:20.956		64.1		4.52		TAS				m_e	
IBBN	98.46		pP	14:17:25.323						T__				m_e	
KAST	98.61		P	14:17:22.105		64.1		4.52		TAS		4.5	0.80	m_e mb	5.2
MANZ	97.03		P	14:17:14.611		64.1		4.52		TAS				m_e	
MOX	97.04		P	14:17:14.786		64.1		4.52		TAS		3.2	0.86	m_e mb	5.0
MOX	97.04		pP	14:17:19.034						T__				m_e	
MOX	97.04		L	15:04:42.989						T__		17809.6	21.40	a_e Ms	6.5
NEUB	96.72		P	14:17:12.901		64.1		4.52		TAS		10.5	0.79	m_e mb	5.5
NRDL	97.09		P	14:17:15.262		64.1		4.52		TAS		5.5	0.84	m_e mb	5.2
NRDL	97.09		pP	14:17:19.098						T__				m_e	
RJOB	97.53		P	14:17:17.856		64.1		4.52		TAS				m_e	
ROTZ	97.06		P	14:17:15.124		64.1		4.52		TAS		2.1	0.88	m_e mb	4.8
RUE	95.06		P	14:17:05.496		64.1		4.52		TAS				m_e	
TANN	96.64		P	14:17:12.690		64.1		4.52		TAS				m_e	
TNS	99.05		P	14:17:23.993		64.1		4.52		TAS		9.5	1.11	m_e mb	5.4

TNS	99.05	pP	14:17:27.924							T__						m_e	
UBR	99.20	P	14:17:24.765	64.1	4.52					TAS	9.3	0.79	m_e mb			5.6	
UBR	99.20	pP	14:17:28.895							T__						m_e	
WERD	96.72	P	14:17:12.841	64.1	4.52					TAS	7.8	1.05	m_e mb			5.3	
WERD	96.72	pP	14:17:17.571							T__						m_e	
WERN	96.75	P	14:17:13.390	64.1	4.52					TAS	7.7	1.00	m_e mb			5.3	
WERN	96.75	pP	14:17:17.697							T__						m_e	
WLF	100.62	P	14:17:31.254	64.1	4.52					TAS						m_e	
WLF	100.62	pP	14:17:35.266							T__						m_e	

Event 70210008 Queen Elizabeth Islands, Canada

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/10	15:01:51.42			74.3490	-92.1920				10.0			10		42.15	47.90	m i ke	BGR
70210014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70210014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	44.51		P	15:10:01.601	0.2	334.4		8.15		TAS					m_e
ASSE	43.90		P	15:09:57.587		334.4		8.15		TAS		3.2	0.92	m_e mb	4.0
BFO	46.87		P	15:10:20.434		334.4		8.15		TAS		2.3	0.74	m_e mb	4.4
BRG	45.83		P	15:10:13.785	-0.0	334.4		8.15		TAS		2.8	0.96	m_e mb	4.3
BSEG	42.15		P	15:09:43.270	0.1	334.4		8.15		TAS		5.1	0.73	m_e mb	4.3
CLL	45.21		P	15:10:09.009		334.4		8.15		TAS		3.0	0.77	m_e mb	4.3
CLZ	44.10		P	15:09:58.945		334.4		8.15		TAS					m_e
FBE	45.65		P	15:10:12.292	-0.0	334.4		8.15		TAS					m_e
FLT1	43.85		P	15:09:56.974		334.4		8.15		TAS		4.0	0.83	m_e mb	4.2
GEC2	47.67		P	15:10:29.167		334.4		8.15		TAS					m_e
GRA1	46.29		P	15:10:16.938	-0.0	334.4		8.15		TAS					m_e
GTTG	44.27		P	15:10:00.553	-0.0	334.4		8.15		TAS		24.5	0.99	m_e mb	4.9
GUNZ	45.93		P	15:10:14.409	-0.0	334.4		8.15		TAS					m_e
IBBN	43.04		P	15:09:49.652		334.4		8.15		TAS					m_e
KAST	44.22		P	15:09:59.299	-0.0	334.4		8.15		TAS		3.5	0.72	m_e mb	4.2
MANZ	46.23		P	15:10:17.021		334.4		8.15		TAS		0.6	0.84	m_e mb	3.6
NRDL	43.43		P	15:09:53.348		334.4		8.15		TAS		5.1	0.79	m_e mb	4.3
ROTZ	46.46		P	15:10:18.830		334.4		8.15		TAS		1.9	1.03	m_e mb	4.1
TANN	45.91		P	15:10:14.350		334.4		8.15		TAS		2.1	0.87	m_e mb	4.2
TNS	45.14		P	15:10:06.597	-0.2	334.4		8.15		TAS		3.8	0.73	m_e mb	4.4
UBR	47.90		P	15:10:29.342		334.4		8.15		TAS					m_e
WERD	45.84		P	15:10:13.489		334.4		8.15		TAS		2.8	0.86	m_e mb	4.3
WERN	46.01		P	15:10:15.158	-0.0	334.4		8.15		TAS		2.7	0.84	m_e mb	4.3

Event 70210009 Taiwan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2017/02/10 17:12:55.07 22.8190 120.1720 10.0 25 81.62 85.97 m i ke BGR
 70210015

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 70210015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	82.24		P	17:25:14.590	-0.2	61.2		5.15		TAS		7.2	0.82	m_e mb	4.8
BSEG	82.78		P	17:25:17.054	0.4	61.2		5.15		TAS		5.1	0.75	m_e mb	4.8
BUG	85.64		P	17:25:32.255	0.3	61.2		5.15		TAS				m_e	
CLL	82.58		P	17:25:16.136	-0.4	61.2		5.15		TAS		14.9	0.85	m_e mb	5.2
CLZ	83.77		P	17:25:22.975	0.3	61.2		5.15		TAS		18.4	0.91	m_e mb	5.3
FBE	82.56		P	17:25:16.121	0.2	61.2		5.15		TAS		15.9	0.96	m_e mb	5.2
FLT1	83.07		P	17:25:18.470	-0.7	61.2		5.15		TAS		10.4	0.87	m_e mb	5.1
FUR	85.05		P	17:25:29.108	0.5	61.2		5.15		TAS		25.0	0.77	m_e mb	5.5
GEC2	83.30		P	17:25:20.299	0.1	61.2		5.15		TAS		8.5	0.93	m_e mb	5.0
GRA1	84.34		P	17:25:25.710	0.1	61.2		5.15		TAS		7.5	0.81	m_e mb	5.0
GTTG	84.14		P	17:25:24.640	0.1	61.2		5.15		TAS		13.4	0.84	m_e mb	5.2
GUNZ	83.39		P	17:25:20.792	0.1	61.2		5.15		TAS		8.7	0.86	m_e mb	5.0
IBBN	84.93		P	17:25:28.608	-0.4	61.2		5.15		TAS		14.6	0.75	m_e mb	5.3
KAST	85.15		P	17:25:29.719	-0.4	61.2		5.15		TAS		5.6	0.92	m_e mb	4.8
MANZ	83.69		P	17:25:22.558	0.3	61.2		5.15		TAS		1.5	0.90	m_e mb	4.2
MOX	83.66		P	17:25:22.083	-0.0	61.2		5.15		TAS		5.3	0.88	m_e mb	4.8
NEUB	83.31		P	17:25:20.132	0.1	61.2		5.15		TAS		16.6	0.86	m_e mb	5.3
NRDL	83.59		P	17:25:21.763	0.3	61.2		5.15		TAS				m_e	
RJOB	84.35		P	17:25:25.710	0.1	61.2		5.15		TAS		13.7	0.84	m_e mb	5.2
ROTZ	83.74		P	17:25:22.856	0.3	61.2		5.15		TAS		2.9	0.86	m_e mb	4.5
RUE	81.62		P	17:25:11.238	-0.1	61.2		5.15		TAS		22.2	0.84	m_e mb	5.3
TANN	83.29		P	17:25:19.883	-0.3	61.2		5.15		TAS		4.5	0.93	m_e mb	4.7
UBR	85.97		P	17:25:33.440	-0.5	61.2		5.15		TAS		6.6	0.80	m_e mb	4.8
WERD	83.37		P	17:25:20.424	-0.3	61.2		5.15		TAS				m_e	
WERN	83.40		P	17:25:20.775	0.0	61.2		5.15		TAS		8.1	0.89	m_e mb	5.0

Event 70210010 Near east coast of eastern Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2017/02/10 21:05:33.63 37.5550 141.3690 33.0 30 79.42 84.83 m i ke BGR
 70210016

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 70210016
 Ms 5.0 BGR 70210016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.50		P	21:17:56.136	0.3	37.3		5.20		TAS		8.9	0.76	m_e	mb 5.1
BFO	84.83		P	21:18:02.723	-0.2	37.3		5.20		TAS		30.9	0.76	m_e	mb 5.6
BRG	80.59		P	21:17:40.657	-0.2	37.3		5.20		TAS		15.2	0.77	m_e	mb 5.1
BSEG	79.58		P	21:17:35.379	0.3	37.3		5.20		TAS		17.9	0.78	m_e	mb 5.1
BUG	82.69		P	21:17:51.580	-0.0	37.3		5.20		TAS		15.2	0.74	m_e	mb 5.3
CLL	80.63		P	21:17:40.712	-0.4	37.3		5.20		TAS		27.1	0.78	m_e	mb 5.3
CLZ	81.23		P	21:17:44.124	0.2	37.3		5.20		TAS		17.8	0.78	m_e	mb 5.2
FBE	80.79		P	21:17:41.974	0.1	37.3		5.20		TAS		27.0	0.74	m_e	mb 5.4
FLT1	80.51		P	21:17:40.144	-0.5	37.3		5.20		TAS		25.9	0.76	m_e	mb 5.3
FUR	83.79		P	21:17:57.410	0.4	37.3		5.20		TAS		48.5	0.71	m_e	mb 5.8
GEC2	82.25		P	21:17:49.385	-0.2	37.3		5.20		TAS		13.2	0.73	m_e	mb 5.2
GRA1	82.60		P	21:17:51.308	0.6	37.3		5.20		TAS		26.9	0.76	m_e	mb 5.5
GRA1	82.60		L	21:59:11.988						T__		780.9	18.40	a_e	Ms 5.1
GTTG	81.61		P	21:17:46.036	-0.1	37.3		5.20		TAS		15.7	0.84	m_e	mb 5.2
GUNZ	81.63		P	21:17:46.146	-0.2	37.3		5.20		TAS		10.8	0.75	m_e	mb 5.1
IBBN	81.81		P	21:17:47.134	0.1	37.3		5.20		TAS		33.3	0.69	m_e	mb 5.6
KAST	82.47		P	21:17:50.433	-0.5	37.3		5.20		TAS		7.9	0.81	m_e	mb 4.9
MANZ	82.02		P	21:17:48.397	0.1	37.3		5.20		TAS		3.0	0.72	m_e	mb 4.5
MOX	81.69		P	21:17:46.470	0.2	37.3		5.20		TAS		9.2	0.67	m_e	mb 5.0
MOX	81.69		L	21:58:41.587						T__		522.5	21.00	a_e	Ms 4.9
NEUB	81.20		P	21:17:43.896	-0.1	37.3		5.20		TAS		25.4	0.81	m_e	mb 5.3
NRDL	80.80		P	21:17:41.689	0.2	37.3		5.20		TAS		12.3	0.81	m_e	mb 5.0
RJOB	83.49		P	21:17:56.332	0.3	37.3		5.20		TAS		25.1	0.83	m_e	mb 5.5
ROTZ	82.15		P	21:17:49.275	0.3	37.3		5.20		TAS		2.2	0.74	m_e	mb 4.4
RUE	79.42		P	21:17:34.729	-0.1	37.3		5.20		TAS		18.4	0.74	m_e	mb 5.2
STU	84.14		P	21:17:59.155	-0.1	37.3		5.20		TAS				m_e	
TANN	81.54		P	21:17:45.707	-0.1	37.3		5.20		TAS		4.4	0.69	m_e	mb 4.7
TNS	83.25		P	21:17:54.654	0.0	37.3		5.20		TAS		8.2	0.70	m_e	mb 5.1
UBR	84.65		P	21:18:01.666	-0.5	37.3		5.20		TAS		3.9	0.83	m_e	mb 4.7
WERD	81.58		P	21:17:45.982	-0.0	37.3		5.20		TAS		6.4	0.78	m_e	mb 4.8
WERN	81.67		P	21:17:46.695	0.2	37.3		5.20		TAS		12.6	0.76	m_e	mb 5.1
WLF	84.56		P	21:18:01.321	-0.1	37.3		5.20		TAS		7.6	0.80	m_e	mb 5.0

Event 70211001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/11	11:15:59.46			-23.7360	-179.9890				500.0			19		150.19	153.97	m i ke	BGR
70211007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.68		PKPbc	11:34:56.163	-0.6	21.8		1.93		TAS				m_e	
BRG	150.83		PKPbc	11:34:51.797	-0.2	21.8		1.93		TAS				m_e	

CLL	150.70	PKPbc	11:34:51.336	-0.4	21.8	1.93	TAS	m_e
CLZ	150.83	PKPbc	11:34:51.592	-0.3	21.8	1.93	TAS	m_e
FBE	150.96	PKPbc	11:34:52.168	0.4	21.8	1.93	TAS	m_e
FLT1	150.19	PKPbc	11:34:50.157	-0.5	21.8	1.93	TAS	m_e
GEC2	152.71	PKPbc	11:34:55.939	-0.2	21.8	1.93	TAS	m_e
GTTG	151.19	PKPbc	11:34:52.828	0.4	21.8	1.93	TAS	m_e
IBBN	150.86	PKPbc	11:34:51.859	0.3	21.8	1.93	TAS	m_e
KAST	151.82	PKPbc	11:34:54.153	0.2	21.8	1.93	TAS	m_e
MANZ	152.14	PKPbc	11:34:54.768	0.3	21.8	1.93	TAS	m_e
MOX	151.66	PKPbc	11:34:53.436	-0.1	21.8	1.93	TAS	m_e
NEUB	151.12	PKPbc	11:34:52.652	0.4	21.8	1.93	TAS	m_e
NRDL	150.27	PKPbc	11:34:50.543	-0.2	21.8	1.93	TAS	m_e
RJOB	153.97	PKPbc	11:34:58.386	-0.3	21.8	1.93	TAS	m_e
TANN	151.66	PKPbc	11:34:53.539	-0.0	21.8	1.93	TAS	m_e
TNS	152.75	PKPbc	11:34:55.895	0.2	21.8	1.93	TAS	m_e
WERD	151.67	PKPbc	11:34:53.897	0.3	21.8	1.93	TAS	m_e
WERN	151.80	PKPbc	11:34:54.205	0.4	21.8	1.93	TAS	m_e

Event 70212001 Near north coast of Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/12	09:32:26.85			12.2170	-72.8990				10.0			20		74.31	78.69	m i ke	BGR
70212007																	

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 70212007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.31		P	09:44:06.339	1.6	274.6		5.11		TAS				m_e	
BFO	75.16		P	09:44:10.129	-0.4	274.6		5.11		TAS		2.3	0.77	m_e mb	4.3
BRG	78.65		P	09:44:29.997		274.6		5.11		TAS				m_e	
BSEG	76.24		P	09:44:15.655		274.6		5.11		TAS				m_e	
BUG	74.43		P	09:44:05.852	1.3	274.6		5.11		TAS				m_e	
CLL	78.02		P	09:44:26.972		274.6		5.11		TAS		14.2	1.46	m_e mb	4.9
CLZ	76.35		P	09:44:17.048	0.8	274.6		5.11		TAS				m_e	
FLT1	76.86		P	09:44:19.992	0.1	274.6		5.11		TAS				m_e	
GEC2	78.69		P	09:44:29.997		274.6		5.11		TAS		3.9	0.92	m_e mb	4.4
GRA1	77.00		P	09:44:22.551	0.1	274.6		5.11		TAS				m_e	
GTTG	76.11		P	09:44:15.106	-1.9	274.6		5.11		TAS		6.3	0.97	m_e mb	4.7
GUNZ	77.67		P	09:44:25.169		274.6		5.11		TAS				m_e	
KAST	75.15		P	09:44:10.039	-0.8	274.6		5.11		TAS		5.3	1.00	m_e mb	4.5
MANZ	77.55		P	09:44:24.645	0.7	274.6		5.11		TAS		1.4	0.93	m_e mb	4.1
MOX	77.19		P	09:44:22.086	0.6	274.6		5.11		TAS				m_e	
NEUB	77.26		P	09:44:22.731		274.6		5.11		TAS				m_e	
NRDL	76.16		P	09:44:14.760		274.6		5.11		TAS				m_e	
RJOB	78.19		P	09:44:28.833		274.6		5.11		TAS				m_e	

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ROTZ	77.63	P	09:44:25.111	0.1	274.6	5.11	TAS	0.9	1.03	m_e	mb	3.8
STU	75.72	P	09:44:13.710	-1.6	274.6	5.11	TAS			m_e		
TANN	77.75	P	09:44:26.274		274.6	5.11	TAS	7.1	1.14	m_e	mb	4.7
TNS	75.19	P	09:44:10.106	-0.4	274.6	5.11	TAS			m_e		
UBR	76.38	P	09:44:18.098		274.6	5.11	TAS			m_e		
WERD	77.65	P	09:44:25.576	0.8	274.6	5.11	TAS	4.4	1.06	m_e	mb	4.5
WERN	77.70	P	09:44:25.576	-0.5	274.6	5.11	TAS	2.5	0.93	m_e	mb	4.3

Event 70212002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/12	13:37:01.11			42.8650	145.4910				33.0			20		77.27	81.66	m i ke	BGR
	70212008																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70212008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	81.66	P		13:49:14.392	-0.6	34.3		5.51		TAS		5.3	0.89	m_e	mb	4.7
BRG	77.56	P		13:48:52.004	-0.1	34.3		5.51		TAS		7.4	1.11	m_e	mb	4.7
CLL	77.53	P		13:48:52.004	-0.1	34.3		5.51		TAS		4.7	0.91	m_e	mb	4.6
CLZ	77.97	P		13:48:54.573	-0.2	34.3		5.51		TAS		5.7	0.93	m_e	mb	4.7
FBE	77.73	P		13:48:53.289	0.2	34.3		5.51		TAS		4.3	0.76	m_e	mb	4.7
FLT1	77.27	P		13:48:50.613	-0.3	34.3		5.51		TAS		6.4	0.81	m_e	mb	4.8
FUR	80.78	P		13:49:09.772	-0.0	34.3		5.51		TAS		14.9	0.84	m_e	mb	5.0
GEC2	79.33	P		13:49:01.423	-0.2	34.3		5.51		TAS		3.7	0.90	m_e	mb	4.4
GRA1	79.51	P		13:49:03.350	0.4	34.3		5.51		TAS		8.1	0.74	m_e	mb	4.7
GTTG	78.36	P		13:48:56.220	-0.7	34.3		5.51		TAS		5.4	0.97	m_e	mb	4.6
GUNZ	78.55	P		13:48:58.105	0.4	34.3		5.51		TAS		2.7	0.82	m_e	mb	4.3
IBBN	78.41	P		13:48:57.679	0.3	34.3		5.51		TAS		6.9	0.71	m_e	mb	4.9
KAST	79.16	P		13:49:01.830	0.4	34.3		5.51		TAS		3.4	0.89	m_e	mb	4.4
MANZ	78.95	P		13:49:00.032	0.2	34.3		5.51		TAS		0.6	0.73	m_e	mb	3.7
MOX	78.57	P		13:48:57.356	-0.5	34.3		5.51		TAS		2.0	0.80	m_e	mb	4.2
RJOB	80.59	P		13:49:08.537	0.0	34.3		5.51		TAS		6.4	0.85	m_e	mb	4.7
ROTZ	79.10	P		13:49:00.781	0.2	34.3		5.51		TAS		0.9	0.86	m_e	mb	3.8
TNS	79.99	P		13:49:05.869	-0.1	34.3		5.51		TAS		3.5	0.74	m_e	mb	4.4
WERN	78.60	P		13:48:58.212	0.3	34.3		5.51		TAS		2.3	0.81	m_e	mb	4.3
WLF	81.21	P		13:49:13.052	0.3	34.3		5.51		TAS		4.4	0.87	m_e	mb	4.5

Event 70212003 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/12	13:48:11.10			39.1570	26.2780				33.0			25		13.00	18.37	m i ke	BGR

70212009

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	70212009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	17.69		P	13:52:21.224		128.9		13.28		TAS				m_e	
BFO	15.85		P	13:51:55.100	-1.4	128.9		13.28		TAS				m_e	
BRG	14.58		P	13:51:38.360	-1.3	128.9		13.28		TAS				m_e	
BSEG	18.35		P	13:52:28.188		128.9		13.28		TAS		15.1	0.97	m_e mb	4.1
BUG	18.09		P	13:52:26.431		128.9		13.28		TAS				m_e	
CLL	15.30		P	13:51:48.443	5.3	128.9		13.28		TAS				m_e	
CLZ	16.84		P	13:52:10.264	-1.4	128.9		13.28		TAS				m_e	
FBE	14.87		P	13:51:42.503	1.6	128.9		13.28		TAS				m_e	
FLT1	16.80		P	13:52:07.769	-0.2	128.9		13.28		TAS				m_e	
GEC2	13.24		P	13:51:21.771	-1.6	128.9		13.28		TAS		29.0	1.33	m_e	
GRA1	15.02		P	13:51:46.471	-0.2	128.9		13.28		TAS				m_e	
GUNZ	14.93		P	13:51:45.154	-1.2	128.9		13.28		TAS				m_e	
IBBN	18.37		P	13:52:30.823		128.9		13.28		TAS		18.5	0.96	m_e	
KAST	17.37		P	13:52:16.880	0.0	128.9		13.28		TAS				m_e	
MANZ	14.78		P	13:51:42.409	-0.3	128.9		13.28		TAS		4.8	1.18	m_e	
MOX	15.45		P	13:51:51.302	4.6	128.9		13.28		TAS				m_e	
NEUB	15.76		P	13:51:55.329	0.4	128.9		13.28		TAS				m_e	
NRDL	17.41		P	13:52:17.429	-0.6	128.9		13.28		TAS		26.6	1.14	m_e	
RJOB	13.00		P	13:51:18.575	1.6	128.9		13.28		TAS				m_e	
ROTZ	14.58		P	13:51:39.994	-1.2	128.9		13.28		TAS				m_e	
RUE	15.88		P	13:51:53.806	1.0	128.9		13.28		TAS				m_e	
STU	15.58		P	13:51:51.082	-1.3	128.9		13.28		TAS				m_e	
TANN	14.90		P	13:51:43.837	1.1	128.9		13.28		TAS		57.2	1.66	m_e	
TNS	16.78		P	13:52:09.245	0.2	128.9		13.28		TAS				m_e	
UBR	14.49		P	13:51:37.012	-1.3	128.9		13.28		TAS				m_e	
WERD	15.00		P	13:51:45.922	-2.4	128.9		13.28		TAS				m_e	
WERN	14.85		P	13:51:43.159	5.3	128.9		13.28		TAS				m_e	
WLF	17.75		P	13:52:21.035		128.9		13.28		TAS				m_e	

Event 70213001 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/13	07:17:16.94			62.8400	-142.6750				10.0				8	61.66	68.06	m i ke	BGR
OrigID 70213007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70213007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	63.47		P	07:27:45.849	1.3	351.6		6.58		TAS				m_e	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	66.81	P		07:28:09.718	-0.4	351.6		6.58		TAS					
BRG	65.13	P		07:27:56.328	0.2	351.6		6.58		TAS					
BSEG	61.66	P		07:27:34.233	0.2	351.6		6.58		TAS	3.5	0.66	m_e	mb	4.7
BUG	63.62	P		07:27:48.482	0.2	351.6		6.58		TAS	6.2	0.61	m_e	mb	5.0
CLL	64.59	P		07:27:52.919		351.6		6.58		TAS					
CLZ	63.70	P		07:27:47.735	-0.4	351.6		6.58		TAS					
FBE	65.01	P		07:27:55.858	0.2	351.6		6.58		TAS					
FLT1	63.35	P		07:27:45.024	0.6	351.6		6.58		TAS	4.1	1.01	m_e	mb	4.5
GEC2	67.09	P		07:28:09.849	-0.4	351.6		6.58		TAS	1.9	0.89	m_e	mb	4.3
GRA1	65.92	P		07:28:02.902	-0.4	351.6		6.58		TAS					
GTTG	63.93	P		07:27:49.410	0.2	351.6		6.58		TAS					
GUNZ	65.42	P		07:27:59.080		351.6		6.58		TAS	2.6	0.90	m_e	mb	4.5
IBBN	62.86	P		07:27:43.507	0.2	351.6		6.58		TAS	6.9	0.85	m_e	mb	4.8
KAST	64.03	P		07:27:50.776		351.6		6.58		TAS					
MOX	65.05	P		07:27:56.603		351.6		6.58		TAS	4.3	0.94	m_e	mb	4.7
NEUB	64.53	P		07:27:52.919	0.2	351.6		6.58		TAS					
NRDL	63.03	P		07:27:43.272	-0.8	351.6		6.58		TAS					
RJOB	68.06	P		07:28:16.309	-0.4	351.6		6.58		TAS	2.1	0.84	m_e	mb	4.4
ROTZ	65.99	P		07:28:03.026	-0.4	351.6		6.58		TAS					
TANN	65.39	P		07:27:58.620	-0.4	351.6		6.58		TAS					
TNS	64.99	P		07:27:57.006		351.6		6.58		TAS	3.0	0.84	m_e	mb	4.5
UBBA	64.65	P		07:27:54.156	0.2	351.6		6.58		TAS					
UBR	67.72	P		07:28:15.010	-0.4	351.6		6.58		TAS	3.7	0.91	m_e	mb	4.6
WERD	65.34	P		07:27:58.178	0.2	351.6		6.58		TAS					
WERN	65.50	P		07:27:59.668	0.2	351.6		6.58		TAS	3.3	0.99	m_e	mb	4.5

Event 70213003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/13	12:31:55.58			-15.5410	-177.3090				400.0			28		141.23	147.37	m i ke	BGR
	70213009																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	144.91		PKPbc	12:50:46.081	0.0	14.5		2.99		TAS					m_e
ASSE	142.95		PKPbc	12:50:40.094	0.2	14.5		2.99		TAS					m_e
BFO	146.97		PKPbc	12:50:52.008		14.5		2.99		TAS					m_e
BRG	143.61		PKPbc	12:50:41.768	-0.1	14.5		2.99		TAS					m_e
BSEG	141.23		PKPbc	12:50:34.586	-0.2	14.5		2.99		TAS					m_e
BUG	144.00		PKPbc	12:50:42.738	-0.4	14.5		2.99		TAS					m_e
CLL	143.37		PKPbc	12:50:41.056	-0.2	14.5		2.99		TAS					m_e
CLZ	143.27		PKPbc	12:50:40.924	-0.5	14.5		2.99		TAS					m_e
FBE	143.68		PKPbc	12:50:42.005	-0.8	14.5		2.99		TAS					m_e
FLT1	142.67		PKPbc	12:50:39.203	0.6	14.5		2.99		TAS					m_e
GEC2	145.58		PKPbc	12:50:47.937	-0.1	14.5		2.99		TAS					m_e

GRA1	145.24	PKPbc	12:50:46.707	0.6	14.5	2.99	TAS	m_e
GTTG	143.61	PKPbc	12:50:41.677	-0.2	14.5	2.99	TAS	m_e
GUNZ	144.40	PKPbc	12:50:44.400	0.2	14.5	2.99	TAS	m_e
IBBN	143.10	PKPbc	12:50:40.770	0.2	14.5	2.99	TAS	m_e
KAST	144.13	PKPbc	12:50:43.320	-1.0	14.5	2.99	TAS	m_e
MANZ	144.80	PKPbc	12:50:45.621	0.4	14.5	2.99	TAS	m_e
MOX	144.25	PKPbc	12:50:43.367	-0.1	14.5	2.99	TAS	m_e
NEUB	143.69	PKPbc	12:50:41.864	-0.2	14.5	2.99	TAS	m_e
NRDL	142.67	PKPbc	12:50:38.962	0.6	14.5	2.99	TAS	m_e
RJOB	146.82	PKPbc	12:50:51.491	-0.1	14.5	2.99	TAS	m_e
ROTZ	145.00	PKPbc	12:50:45.920	0.6	14.5	2.99	TAS	m_e
RUE	142.11	PKPbc	12:50:37.200	0.6	14.5	2.99	TAS	m_e
TANN	144.33	PKPbc	12:50:43.978	0.4	14.5	2.99	TAS	m_e
TNS	145.09	PKPbc	12:50:46.420	-0.1	14.5	2.99	TAS	m_e
UBBA	144.32	PKPbc	12:50:43.224	-0.0	14.5	2.99	TAS	m_e
UBR	147.37	PKPbc	12:50:52.994		14.5	2.99	TAS	m_e
WERD	144.32	PKPbc	12:50:43.837	0.2	14.5	2.99	TAS	m_e
WERN	144.47	PKPbc	12:50:44.776	-0.2	14.5	2.99	TAS	m_e
WLF	145.85	PKPbc	12:50:49.337	0.0	14.5	2.99	TAS	m_e

Event 70213004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/13	14:35:11.37			-23.1670	179.8920				550.0			19		148.28	154.01	m i ke	BGR
OrigID 70213010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.92		PKPbc	14:54:02.395	0.1	23.1		2.26		TAS					m_e
BFO	154.01		PKPbc	14:54:11.366		23.1		2.26		TAS					m_e
BRG	150.26		PKPbc	14:54:03.186	0.1	23.1		2.26		TAS					m_e
BSEG	148.28		PKPbc	14:53:58.509	-0.2	23.1		2.26		TAS					m_e
CLL	150.13		PKPbc	14:54:02.539	-0.2	23.1		2.26		TAS					m_e
CLZ	150.25		PKPbc	14:54:03.078	-0.0	23.1		2.26		TAS					m_e
FBE	150.38		PKPbc	14:54:03.371	0.4	23.1		2.26		TAS					m_e
FLT1	149.61		PKPbc	14:54:01.373	-0.4	23.1		2.26		TAS					m_e
GEC2	152.14		PKPbc	14:54:07.001	-0.4	23.1		2.26		TAS					m_e
GTTG	150.62		PKPbc	14:54:03.870	-0.1	23.1		2.26		TAS					m_e
GUNZ	151.16		PKPbc	14:54:05.095	0.3	23.1		2.26		TAS					m_e
IBBN	150.29		PKPbc	14:54:03.690	0.2	23.1		2.26		TAS					m_e
KAST	151.24		PKPbc	14:54:05.273	-0.2	23.1		2.26		TAS					m_e
MANZ	151.57		PKPbc	14:54:05.821	0.0	23.1		2.26		TAS					m_e
MOX	151.09		PKPbc	14:54:04.770	-0.1	23.1		2.26		TAS					m_e
NEUB	150.54		PKPbc	14:54:03.870	0.2	23.1		2.26		TAS					m_e
NRDL	149.69		PKPbc	14:54:01.607	0.2	23.1		2.26		TAS					m_e

TANN	151.08	PKPbc	14:54:04.842	-0.0	23.1	2.26	TAS	m_e
WERD	151.09	PKPbc	14:54:04.842	-0.1	23.1	2.26	TAS	m_e
WERN	151.22	PKPbc	14:54:05.083	0.1	23.1	2.26	TAS	m_e

Event 70213007 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/13	20:41:12.04			13.8800	-94.6200				33.0			24		86.37	91.30	m i ke	BGR
OrigID 70213013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70213013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.68		P	20:53:50.628		290.2		4.83		TAS		14.5	0.79	m_e mb	5.4	
ASSE	88.29		P	20:53:58.138	-0.7	290.2		4.83		TAS		7.2	0.80	m_e mb	4.9	
BFO	88.15		P	20:53:57.342		290.2		4.83		TAS		10.6	1.06	m_e mb	4.9	
BRG	90.66		P	20:54:09.480	0.3	290.2		4.83		TAS		4.3	0.74	m_e mb	4.8	
BSEG	87.47		P	20:53:54.393	0.1	290.2		4.83		TAS		16.6	0.86	m_e mb	5.2	
CLL	89.94		P	20:54:06.287	0.0	290.2		4.83		TAS		2.9	0.76	m_e mb	4.6	
CLZ	88.22		P	20:53:57.583	-0.7	290.2		4.83		TAS		6.4	0.77	m_e mb	4.8	
FLT1	88.55		P	20:53:59.354	-0.4	290.2		4.83		TAS		5.9	0.78	m_e mb	4.8	
GEC2	91.30		P	20:54:12.477	0.3	290.2		4.83		TAS		4.5	0.86	m_e mb	4.7	
GTTG	88.08		P	20:53:57.680		290.2		4.83		TAS		16.2	0.87	m_e mb	5.2	
GUNZ	89.90		P	20:54:06.055	-0.4	290.2		4.83		TAS		4.5	0.68	m_e mb	4.8	
IBBN	86.54		P	20:53:50.149		290.2		4.83		TAS		14.5	0.82	m_e mb	5.4	
KAST	87.28		P	20:53:53.179		290.2		4.83		TAS		8.4	0.85	m_e mb	4.9	
MANZ	89.91		P	20:54:05.939	-0.7	290.2		4.83		TAS		0.6	0.74	m_e mb	3.9	
MOX	89.37		P	20:54:03.150	-0.7	290.2		4.83		TAS		2.6	0.59	m_e mb	4.6	
NRDL	87.84		P	20:53:56.545	0.0	290.2		4.83		TAS		9.7	0.82	m_e mb	5.0	
ROTZ	90.05		P	20:54:06.486	-0.2	290.2		4.83		TAS		0.6	0.66	m_e mb	3.9	
STU	88.55		P	20:53:59.621	0.3	290.2		4.83		TAS		42.2	0.72	m_e mb	5.7	
TANN	89.96		P	20:54:06.339	0.3	290.2		4.83		TAS		2.8	0.74	m_e mb	4.6	
TNS	87.61		P	20:53:54.915		290.2		4.83		TAS		26.2	0.72	m_e mb	5.5	
UBR	89.49		P	20:54:04.219	0.3	290.2		4.83		TAS		7.0	0.89	m_e mb	4.8	
WERD	89.86		P	20:54:05.597	-0.2	290.2		4.83		TAS				m_e		
WERN	89.96		P	20:54:06.376	0.1	290.2		4.83		TAS		3.7	0.64	m_e mb	4.8	
WLF	86.37		P	20:53:49.372		290.2		4.83		TAS		7.4	0.69	m_e mb	5.0	

Event 70214001 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/14	01:51:13.59			34.1440	72.2070				178.5	0.6		13		44.88	49.25	m i ke	BGR
OrigID																	

70214007

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70214007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	49.25		P	01:59:57.681	-0.2	85.5		7.84		TAS		9.2	0.73	m_e	mb	4.9
BRG	44.88		P	01:59:23.255	0.1	85.5		7.84		TAS		12.8	0.80	m_e	mb	4.9
BSEG	47.03		P	01:59:39.454		85.5		7.84		TAS		19.3	0.76	m_e	mb	5.3
BUG	49.03		P	01:59:55.442	-0.1	85.5		7.84		TAS		11.9	0.91	m_e	mb	4.9
CLL	45.46		P	01:59:27.335	-0.1	85.5		7.84		TAS		7.9	0.73	m_e	mb	4.7
CLZ	47.07		P	01:59:40.044	-0.0	85.5		7.84		TAS		7.5	0.79	m_e	mb	4.9
FBE	45.25		P	01:59:26.116	-0.2	85.5		7.84		TAS		16.2	0.80	m_e	mb	5.0
FLT1	46.52		P	01:59:35.454	-0.7	85.5		7.84		TAS		33.9	0.73	m_e	mb	5.6
FUR	46.78		P	01:59:38.272		85.5		7.84		TAS		8.7	0.76	m_e	mb	5.0
GTTG	47.35		P	01:59:42.425	0.0	85.5		7.84		TAS		21.7	0.77	m_e	mb	5.3
GUNZ	45.92		P	01:59:31.446		85.5		7.84		TAS		6.2	0.85	m_e	mb	4.7
IBBN	48.65		P	01:59:51.980		85.5		7.84		TAS		19.2	0.77	m_e	mb	5.2
MANZ	46.09		P	01:59:32.916		85.5		7.84		TAS		1.1	0.82	m_e	mb	3.9
MOX	46.36		P	01:59:34.724	-0.2	85.5		7.84		TAS		6.0	0.83	m_e	mb	4.7
NEUB	46.23		P	01:59:33.527	-0.2	85.5		7.84		TAS		14.3	0.82	m_e	mb	5.0
NEUB	46.23		pP	02:00:12.871						T__				m_e		
NRDL	47.20		P	01:59:41.074		85.5		7.84		TAS		8.6	0.75	m_e	mb	5.0
NRDL	47.20		pP	02:00:20.245						T__				m_e		
RGN	45.27		P	01:59:25.811	0.9	85.5		7.84		TAS		60.4	0.85	m_e	mb	5.6
RJOB	45.81		P	01:59:30.365		85.5		7.84		TAS				m_e		
ROTZ	46.04		P	01:59:32.649		85.5		7.84		TAS		1.1	0.88	m_e	mb	3.9
RUE	44.96		P	01:59:23.080	-0.2	85.5		7.84		TAS		21.2	0.75	m_e	mb	5.2
TANN	45.84		P	01:59:30.749		85.5		7.84		TAS		4.2	0.86	m_e	mb	4.5
UBBA	47.37		P	01:59:42.190	-0.2	85.5		7.84		TAS		4.2	0.64	m_e	mb	4.7
UBBA	47.37		pP	02:00:21.535						T__				m_e		
UBR	47.62		P	01:59:44.691		85.5		7.84		TAS		5.1	0.70	m_e	mb	4.8
WERD	45.93		P	01:59:31.620		85.5		7.84		TAS		5.8	0.86	m_e	mb	4.6

Event 70214003 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/14	08:28:01.28	0.92	0.80	42.2710	13.6240	13.3	10.0	161	10.0			17	307	4.29	7.56	m i ke	BGR
70214009																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	70214009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	5.16		Pn	08:29:17.307	0.6					T__				m_e	ML	3.6
ARSA	5.16		Sn	08:30:10.717	-0.8					T__				m_e		

BALST	6.59	Pn	08:29:35.605	-0.4	T__	m_e ML	4.3
BFO	7.11	Sn	08:30:56.019	-1.1	T__	m_e	
BFO	7.11	Pn	08:29:42.240	-0.8	T__	m_e	
DAVA	5.68	Pn	08:29:24.975	1.2	T__	m_e	
GEC2	6.58	Pn	08:29:34.743	-1.1	T__	m_e ML	4.0
GEC2	6.58	Sn	08:30:45.601	1.0	T__	m_e	
KBA	4.81	Pn	08:29:11.937	-0.1	T__	m_e ML	4.0
MOA	5.60	Pn	08:29:22.936	0.3	T__	m_e	
OBER	5.65	Pn	08:29:24.741	1.3	T__	m_e ML	3.8
OBKA	4.29	Pn	08:29:04.958	-0.1	T__	m_e ML	4.3
PLONS	5.65	Sn	08:30:23.784	0.7	T__	m_e	
PLONS	5.65	Pn	08:29:24.132	0.7	T__	m_e ML	4.0
RJOB	5.50	Pn	08:29:21.503	0.2	T__	m_e ML	4.1
ROTZ	7.56	Pn	08:29:47.877	-1.2	T__	m_e	
SLE	6.59	Pn	08:29:34.728	-1.2	T__	m_e	
SULZ	6.55	Pn	08:29:35.344	-0.2	T__	m_e ML	4.4
UBR	5.96	Pn	08:29:27.776	0.3	T__	m_e ML	4.3
WILA	6.14	Pn	08:29:29.871	-0.1	T__	m_e ML	4.4
WTTA	5.19	Pn	08:29:17.844	0.7	T__	m_e ML	4.3

Event 70215004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/15	13:40:26.69			-16.9430	-175.9050				33.0			15		144.83	148.95	m i ke	BGR
	70215010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.51		PKPbc	14:00:14.493		12.5		2.96		TAS				m_e	
CLL	144.99		PKPbc	14:00:03.938	-0.2	12.5		2.96		TAS				m_e	
CLZ	144.83		PKPbc	14:00:03.616	-0.3	12.5		2.96		TAS				m_e	
FBE	145.30		PKPbc	14:00:04.941		12.5		2.96		TAS				m_e	
GTTG	145.16		PKPbc	14:00:04.853	-0.4	12.5		2.96		TAS				m_e	
GUNZ	146.01		PKPbc	14:00:07.304	0.3	12.5		2.96		TAS				m_e	
KAST	145.65		PKPbc	14:00:06.054		12.5		2.96		TAS				m_e	
MANZ	146.41		PKPbc	14:00:08.276	0.5	12.5		2.96		TAS				m_e	
MOX	145.84		PKPbc	14:00:06.647	-0.1	12.5		2.96		TAS				m_e	
NEUB	145.28		PKPbc	14:00:05.127	0.1	12.5		2.96		TAS				m_e	
RJOB	148.47		PKPbc	14:00:14.424		12.5		2.96		TAS				m_e	
ROTZ	146.61		PKPbc	14:00:09.074		12.5		2.96		TAS				m_e	
STU	147.99		PKPbc	14:00:12.702	-0.2	12.5		2.96		TAS				m_e	
TANN	145.94		PKPbc	14:00:07.034	0.1	12.5		2.96		TAS				m_e	
TNS	146.62		PKPbc	14:00:09.027	-0.3	12.5		2.96		TAS				m_e	
UBBA	145.88		PKPbc	14:00:06.078	0.5	12.5		2.96		TAS				m_e	
UBR	148.95		PKPbc	14:00:15.865		12.5		2.96		TAS				m_e	

WERD	145.93	PKPbc	14:00:07.106	0.5	12.5	2.96	TAS	m_e
WERN	146.07	PKPbc	14:00:07.505	0.0	12.5	2.96	TAS	m_e
WLF	147.32	PKPbc	14:00:11.707		12.5	2.96	TAS	m_e

Event 70215009 Near west coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/15	19:40:15.33			36.1050	136.8260				33.0					78.81	84.23	m i ke	BGR
OrigID 70215015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70215015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.03		P	19:52:37.669		41.6		5.27		TAS		10.6	0.74	m_e mb	5.2
ASSE	80.36		P	19:52:23.040		41.6		5.27		TAS		2.3	0.99	m_e mb	4.4
BFO	84.23		P	19:52:43.298		41.6		5.27		TAS		8.8	0.83	m_e mb	5.0
BRG	79.90		P	19:52:20.828		41.6		5.27		TAS		4.4	0.78	m_e mb	4.5
BSEG	79.15		P	19:52:16.938		41.6		5.27		TAS		3.9	0.85	m_e mb	4.7
BUG	82.26		P	19:52:33.127		41.6		5.27		TAS		5.1	0.75	m_e mb	4.8
CLL	79.99		P	19:52:21.360		41.6		5.27		TAS		17.4	0.82	m_e mb	5.2
CLZ	80.70		P	19:52:24.895		41.6		5.27		TAS		9.3	0.90	m_e mb	5.0
FBE	80.13		P	19:52:21.850		41.6		5.27		TAS		12.0	0.78	m_e mb	5.0
FLT1	79.98		P	19:52:20.894		41.6		5.27		TAS		8.0	0.81	m_e mb	5.0
FUR	83.08		P	19:52:37.432		41.6		5.27		TAS		19.1	0.93	m_e mb	5.3
GEC2	81.48		P	19:52:29.071		41.6		5.27		TAS		4.4	0.79	m_e mb	4.6
GRA1	81.96		P	19:52:31.332		41.6		5.27		TAS		14.0	0.75	m_e mb	5.3
GTTG	81.09		P	19:52:27.358		41.6		5.27		TAS		10.2	0.82	m_e mb	5.1
GUNZ	80.98		P	19:52:26.944		41.6		5.27		TAS		4.8	0.67	m_e mb	4.8
IBBN	81.39		P	19:52:28.438		41.6		5.27		TAS		16.1	0.78	m_e mb	5.3
MANZ	81.35		P	19:52:28.673		41.6		5.27		TAS		1.3	0.72	m_e mb	4.2
MOX	81.08		P	19:52:27.144		41.6		5.27		TAS		10.9	1.25	m_e mb	4.8
NEUB	80.60		P	19:52:24.883		41.6		5.27		TAS		15.0	0.79	m_e mb	5.2
NRDL	80.32		P	19:52:23.061		41.6		5.27		TAS		3.5	0.90	m_e mb	4.6
ROTZ	81.47		P	19:52:29.337		41.6		5.27		TAS		1.3	0.67	m_e mb	4.2
RUE	78.81		P	19:52:15.044		41.6		5.27		TAS		11.2	0.80	m_e mb	4.9
STU	83.52		P	19:52:39.839		41.6		5.27		TAS				m_e	
TANN	80.88		P	19:52:26.213		41.6		5.27		TAS		1.8	0.76	m_e mb	4.3
TNS	82.72		P	19:52:35.651		41.6		5.27		TAS		6.3	0.66	m_e mb	5.0
UBBA	81.63		P	19:52:29.523		41.6		5.27		TAS		2.5	0.74	m_e mb	4.5
UBR	83.96		P	19:52:42.285		41.6		5.27		TAS		3.6	0.73	m_e mb	4.7
WERD	80.93		P	19:52:26.412		41.6		5.27		TAS		2.7	0.70	m_e mb	4.5
WERN	81.01		P	19:52:27.011		41.6		5.27		TAS		5.8	0.64	m_e mb	4.9

Event 70215008 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/15	19:47:03.29			4.5510	96.8250				19.3	1.7		31		82.00	87.00	m i ke	BGR
OrigID 70215014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70215014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.36		P	19:59:43.740	0.4	90.4		5.11		TAS		14.7	0.74	m_e	mb	5.2
AHRW	86.36		pP	19:59:49.181	-0.7					T__				m_e		
ASSE	84.07		P	19:59:31.541	-0.2	90.4		5.11		TAS		10.0	0.87	m_e	mb	5.1
ASSE	84.07		pP	19:59:37.121	-0.7					T__				m_e		
BFO	85.63		P	19:59:39.698	-0.4	90.4		5.11		TAS		20.1	0.78	m_e	mb	5.3
BFO	85.63		pP	19:59:45.139	-0.7					T__				m_e		
BRG	82.00		P	19:59:20.938	-0.2	90.4		5.11		TAS		12.4	0.80	m_e	mb	5.1
BRG	82.00		pP	19:59:26.490	-0.7					T__				m_e		
BSEG	84.29		P	19:59:32.934	0.5	90.4		5.11		TAS		23.7	1.04	m_e	mb	5.4
BSEG	84.29		pP	19:59:38.561	-0.7					T__				m_e		
BUG	86.20		P	19:59:42.851	0.3	90.4		5.11		TAS		30.6	0.90	m_e	mb	5.4
BUG	86.20		pP	19:59:48.339	-0.7					T__				m_e		
CLL	82.61		P	19:59:23.821	-0.4	90.4		5.11		TAS		11.4	0.96	m_e	mb	5.1
CLL	82.61		pP	19:59:29.638	-0.7					T__				m_e		
CLZ	84.26		P	19:59:32.657	-0.0	90.4		5.11		TAS		23.6	0.83	m_e	mb	5.5
CLZ	84.26		pP	19:59:38.446	-0.7					T__				m_e		
FBE	82.37		P	19:59:22.863	0.3	90.4		5.11		TAS				m_e		
FLT1	83.73		P	19:59:29.362	-0.7	90.4		5.11		TAS		9.6	0.80	m_e	mb	5.1
FUR	83.67		P	19:59:29.638	-0.3	90.4		5.11		TAS		15.1	0.78	m_e	mb	5.3
GEC2	82.07		P	19:59:21.273	0.1	90.4		5.11		TAS		21.3	0.84	m_e	mb	5.3
GRA1	83.71		P	19:59:29.828	0.4	90.4		5.11		TAS				m_e		
GTTG	84.51		P	19:59:34.238	0.2	90.4		5.11		TAS		23.7	1.05	m_e	mb	5.4
GTTG	84.51		pP	19:59:39.517	-0.7					T__				m_e		
GUNZ	83.00		P	19:59:26.053	-0.2	90.4		5.11		TAS		8.9	0.81	m_e	mb	5.0
GUNZ	83.00		pP	19:59:31.861	-0.7					T__				m_e		
IBBN	85.86		P	19:59:40.934	-0.2	90.4		5.11		TAS		37.6	0.83	m_e	mb	5.6
IBBN	85.86		pP	19:59:46.188	-0.7					T__				m_e		
KAST	85.49		P	19:59:38.981	0.0	90.4		5.11		TAS		10.6	0.78	m_e	mb	5.1
MANZ	83.14		P	19:59:27.205	0.5	90.4		5.11		TAS		4.7	0.94	m_e	mb	4.7
MANZ	83.14		pP	19:59:32.739	-0.7					T__				m_e		
MOX	83.47		P	19:59:28.657	0.0	90.4		5.11		TAS		7.9	0.85	m_e	mb	5.0
NEUB	83.38		P	19:59:28.146	-0.0	90.4		5.11		TAS				m_e		
NRDL	84.42		P	19:59:33.860	0.3	90.4		5.11		TAS		23.5	0.93	m_e	mb	5.4
NRDL	84.42		pP	19:59:39.301	-0.7					T__				m_e		
RJOB	82.64		P	19:59:24.024	0.5	90.4		5.11		TAS				m_e		
ROTZ	83.07		P	19:59:26.672	0.2	90.4		5.11		TAS		3.2	0.78	m_e	mb	4.6
ROTZ	83.07		pP	19:59:32.392	-0.7					T__				m_e		
RUE	82.17		P	19:59:21.919	0.0	90.4		5.11		TAS		50.2	0.78	m_e	mb	5.7

RUE	82.17	pP	19:59:27.313	-0.7						T__				m_e	
TANN	82.92	P	19:59:25.635	-0.2	90.4		5.11			TAS	6.0	0.91	m_e mb	4.8	
TANN	82.92	pP	19:59:31.492	-0.7						T__				m_e	
TNS	85.50	P	19:59:39.028	0.0	90.4		5.11			TAS	13.6	0.86	m_e mb	5.2	
TNS	85.50	pP	19:59:44.591	-0.7						T__				m_e	
UBBA	84.49	P	19:59:33.902	-0.6	90.4		5.11			TAS	3.6	0.74	m_e mb	4.7	
UBBA	84.49	pP	19:59:39.622	-0.7						T__				m_e	
UBR	84.45	P	19:59:33.823	-0.1	90.4		5.11			TAS	18.2	0.88	m_e mb	5.3	
WERD	83.02	P	19:59:26.565	0.2	90.4		5.11			TAS	8.5	0.78	m_e mb	5.0	
WERD	83.02	pP	19:59:31.906	-0.7						T__				m_e	
WERN	82.97	P	19:59:26.007	-0.1	90.4		5.11			TAS	6.8	0.78	m_e mb	4.9	
WERN	82.97	pP	19:59:32.079	-0.7						T__				m_e	
WLF	87.00	P	19:59:46.825	-0.1	90.4		5.11			TAS	16.2	0.99	m_e mb	5.1	
WLF	87.00	pP	19:59:52.452	-0.7						T__				m_e	

Event 70216002 Marshall Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/16	12:09:57.87			10.7800	175.6300				33.0			34		113.23	120.39	m i ke	BGR
	70216008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	118.13		PKPdf	12:28:39.328		17.4		2.43		TAS					m_e
AHRW	118.13		PKPbc	12:28:44.605	-0.5	17.4		2.43		TAS					m_e
ASSE	116.02		PKPbc	12:28:39.334	-0.0	17.4		2.43		TAS					m_e
ASSE	116.02		PKPab	12:28:44.233		17.4		2.43		TAS					m_e
BFO	120.08		PKPbc	12:28:49.126		17.4		2.43		TAS					m_e
BFO	120.08		PKPab	12:29:01.262		17.4		2.43		TAS					m_e
BRG	116.57		PKPbc	12:28:40.748	0.3	17.4		2.43		TAS					m_e
BRG	116.57		PKPab	12:28:46.591		17.4		2.43		TAS					m_e
BSEG	114.34		PKPbc	12:28:35.207	-0.1	17.4		2.43		TAS					m_e
BUG	117.22		PKPbc	12:28:42.470	0.3	17.4		2.43		TAS					m_e
BUG	117.22		PKPab	12:28:49.744		17.4		2.43		TAS					m_e
CLL	116.36		PKPbc	12:28:40.192	-0.0	17.4		2.43		TAS					m_e
CLZ	116.35		PKPdf	12:28:36.495		17.4		2.43		TAS					m_e
CLZ	116.35		PKPbc	12:28:40.091	0.2	17.4		2.43		TAS					m_e
CLZ	116.35		PKPab	12:28:45.648		17.4		2.43		TAS					m_e
FBE	116.65		PKPbc	12:28:40.826	0.1	17.4		2.43		TAS					m_e
FBE	116.65		PKPab	12:28:47.159		17.4		2.43		TAS					m_e
FLT1	115.72		PKPdf	12:28:35.300		17.4		2.43		TAS					m_e
FLT1	115.72		PKPbc	12:28:38.650	0.1	17.4		2.43		TAS					m_e
FUR	119.70		PKPbc	12:28:48.091		17.4		2.43		TAS					m_e
FUR	119.70		PKPab	12:28:59.818		17.4		2.43		TAS					m_e
GEC2	118.53		PKPdf	12:28:40.037		17.4		2.43		TAS					m_e

GEC2	118.53	PKPbc	12:28:45.627	-0.3	17.4	2.43	TAS	m_e
GRA1	118.25	PKPbc	12:28:44.776	0.1	17.4	2.43	TAS	m_e
GRA1	118.25	PKPab	12:28:53.602		17.4	2.43	TAS	m_e
GTTG	116.70	PKPbc	12:28:41.003	0.0	17.4	2.43	TAS	m_e
GTTG	116.70	PKPab	12:28:47.377		17.4	2.43	TAS	m_e
GUNZ	117.39	PKPbc	12:28:42.745	0.0	17.4	2.43	TAS	m_e
GUNZ	117.39	PKPab	12:28:50.304		17.4	2.43	TAS	m_e
HLG	114.46	PKPbc	12:28:35.777	-0.1	17.4	2.43	TAS	m_e
IBBN	116.31	PKPbc	12:28:40.151	0.5	17.4	2.43	TAS	m_e
IBBN	116.31	PKPab	12:28:45.522		17.4	2.43	TAS	m_e
KAST	117.28	PKPbc	12:28:42.603	-0.1	17.4	2.43	TAS	m_e
MANZ	117.79	PKPbc	12:28:43.597	0.1	17.4	2.43	TAS	m_e
MOX	117.27	PKPdf	12:28:37.768		17.4	2.43	TAS	m_e
MOX	117.27	PKPbc	12:28:42.467	0.3	17.4	2.43	TAS	m_e
MOX	117.27	PKPab	12:28:49.291		17.4	2.43	TAS	m_e
NEUB	116.71	PKPdf	12:28:36.915		17.4	2.43	TAS	m_e
NEUB	116.71	PKPbc	12:28:41.173	0.3	17.4	2.43	TAS	m_e
NRDL	115.76	PKPbc	12:28:38.689	-0.1	17.4	2.43	TAS	m_e
NRDL	115.76	PKPab	12:28:43.102		17.4	2.43	TAS	m_e
RGN	113.23	PKPbc	12:28:32.182	-0.6	17.4	2.43	TAS	m_e
RJOB	119.78	PKPbc	12:28:48.417		17.4	2.43	TAS	m_e
RJOB	119.78	PKPab	12:29:00.144		17.4	2.43	TAS	m_e
ROTZ	117.98	PKPbc	12:28:44.074	0.1	17.4	2.43	TAS	m_e
RUE	115.09	PKPbc	12:28:37.168	-0.5	17.4	2.43	TAS	m_e
STU	119.51	PKPbc	12:28:47.842		17.4	2.43	TAS	m_e
TANN	117.31	PKPbc	12:28:42.603	0.1	17.4	2.43	TAS	m_e
TNS	118.23	PKPbc	12:28:44.973	-0.4	17.4	2.43	TAS	m_e
TNS	118.23	PKPab	12:28:53.375		17.4	2.43	TAS	m_e
UBBA	117.39	PKPdf	12:28:37.656		17.4	2.43	TAS	m_e
UBR	120.39	PKPbc	12:28:49.713		17.4	2.43	TAS	m_e
WERD	117.32	PKPbc	12:28:42.481	0.3	17.4	2.43	TAS	m_e
WERN	117.45	PKPbc	12:28:42.941		17.4	2.43	TAS	m_e
WERN	117.45	PKPab	12:28:50.500		17.4	2.43	TAS	m_e
WLF	119.11	PKPbc	12:28:47.098		17.4	2.43	TAS	m_e

Event 70216003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/16	19:53:58.77			-16.4600	-173.6730				100.0			23		144.83	148.71	m i ke	BGR
70216009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.18		PKPbc	20:13:28.654	-0.2	8.2		3.22		TAS				m_e	
BRG	145.13		PKPbc	20:13:18.759	-0.4	8.2		3.22		TAS				m_e	

BUG	145.09	PKPbc	20:13:18.759	-0.4	8.2	3.22	TAS	m_e
CLL	144.83	PKPbc	20:13:17.470	-0.6	8.2	3.22	TAS	m_e
FBE	145.16	PKPbc	20:13:19.119	-0.1	8.2	3.22	TAS	m_e
FUR	148.12	PKPbc	20:13:28.190	-0.4	8.2	3.22	TAS	m_e
GEC2	147.14	PKPbc	20:13:25.243	1.4	8.2	3.22	TAS	m_e
GRA1	146.62	PKPbc	20:13:23.706	1.1	8.2	3.22	TAS	m_e
GTTG	144.88	PKPbc	20:13:17.743	0.1	8.2	3.22	TAS	m_e
GUNZ	145.84	PKPbc	20:13:21.335	0.0	8.2	3.22	TAS	m_e
KAST	145.30	PKPbc	20:13:19.738	0.1	8.2	3.22	TAS	m_e
MANZ	146.23	PKPbc	20:13:22.624	0.1	8.2	3.22	TAS	m_e
MOX	145.63	PKPbc	20:13:20.511	-0.1	8.2	3.22	TAS	m_e
NEUB	145.08	PKPbc	20:13:18.449	-0.4	8.2	3.22	TAS	m_e
RJOB	148.36	PKPbc	20:13:29.089	-0.7	8.2	3.22	TAS	m_e
ROTZ	146.44	PKPbc	20:13:23.345	0.1	8.2	3.22	TAS	m_e
TANN	145.77	PKPbc	20:13:21.078	-0.0	8.2	3.22	TAS	m_e
TNS	146.28	PKPbc	20:13:23.345	0.6	8.2	3.22	TAS	m_e
UBBA	145.60	PKPbc	20:13:20.099	-0.4	8.2	3.22	TAS	m_e
UBR	148.71	PKPbc	20:13:30.154	-0.6	8.2	3.22	TAS	m_e
WERD	145.76	PKPbc	20:13:21.129	0.1	8.2	3.22	TAS	m_e
WERN	145.91	PKPbc	20:13:21.851	0.3	8.2	3.22	TAS	m_e
WLF	146.88	PKPbc	20:13:25.458	0.4	8.2	3.22	TAS	m_e

Event 70216004 Southwestern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/16	21:52:32.09			59.5810	104.1540				33.0					50.38	50.38	m i ke	BGR
70216010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70216010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	50.38		P	22:01:24.594		37.8		6.64		TAS		17.9	1.43	m_e mb	4.8

Event 70224001 Lake Tanganyika region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/02/24	00:32:27.84			-6.4150	30.6640				33.0					33	56.18	61.67	m i ke	BGR
70224007																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	70224007
MBB	6.1		BGR	70224007

Ms	5.5	BGR	70224007													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	60.28		P	00:42:35.169	0.3	157.2		6.97		TAS		315.7	1.39	a_e	MBB	6.3
AHRW	60.28		pP	00:42:44.141	0.3	157.1		6.99		TAS				a_e		
ASSE	60.77		P	00:42:38.319	-0.1	157.2		6.97		TAS		288.7	1.34	a_e	MBB	6.1
ASSE	60.77		pP	00:42:47.241	-0.1	157.1		6.99		TAS				a_e		
BFO	57.94		P	00:42:18.469	-0.0	157.2		6.97		TAS		196.5	1.55	a_e	MBB	6.0
BFO	57.94		pP	00:42:27.391	-0.0	157.1		6.99		TAS				a_e		
BRG	58.86		P	00:42:24.619	-0.3	157.2		6.97		TAS		124.3	1.74	a_e	MBB	5.8
BRG	58.86		pP	00:42:33.541	-0.3	157.1		6.99		TAS				a_e		
BUG	61.03		P	00:42:39.869	-0.3	157.2		6.97		TAS		349.2	1.41	a_e	MBB	6.1
BUG	61.03		pP	00:42:48.791	-0.3	157.1		6.99		TAS				a_e		
CLL	59.47		P	00:42:28.919	-0.3	157.2		6.97		TAS		122.7	1.37	a_e	MBB	5.9
CLL	59.47		pP	00:42:37.891	-0.3	157.1		6.99		TAS				a_e		
CLZ	60.58		P	00:42:37.019	-0.1	157.2		6.97		TAS		265.9	1.67	a_e	MBB	5.9
CLZ	60.58		pP	00:42:45.941	-0.1	157.1		6.99		TAS				a_e		
FBE	59.03		P	00:42:26.019	-0.1	157.2		6.97		TAS		170.4	1.83	a_e	MBB	5.9
FBE	59.03		pP	00:42:34.941	-0.1	157.1		6.99		TAS				a_e		
FLT1	60.82		P	00:42:38.269	-0.5	157.2		6.97		TAS		116.9	1.35	a_e	MBB	5.7
FLT1	60.82		pP	00:42:47.141	-0.6	157.1		6.99		TAS				a_e		
FUR	56.96		P	00:42:11.669	-0.2	157.2		6.97		TAS		137.7	1.10	a_e	MBB	6.3
FUR	56.96		pP	00:42:20.541	-0.2	157.1		6.99		TAS				a_e		
GEC2	57.00		P	00:42:12.469	0.4	157.2		6.97		TAS		373.5	1.58	a_e	MBB	6.2
GEC2	57.00		pP	00:42:21.391	0.4	157.1		6.99		TAS				a_e		
GOR1	61.42		P	00:42:42.969	0.1	157.2		6.97		TAS		875.4	1.25	a_e	MBB	6.6
GOR1	61.42		pP	00:42:51.891	0.1	157.1		6.99		TAS				a_e		
GRA1	58.38		P	00:42:21.869	0.1	157.2		6.97		TAS		375.1	1.23	a_e	MBB	6.4
GRA1	58.38		pP	00:42:30.791	0.1	157.1		6.99		TAS				a_e		
GRA1	58.38		L	01:11:23.991						T__		3396.1	19.70	a_e	Ms	5.5
GTTG	60.41		P	00:42:35.969	0.1	157.2		6.97		TAS		198.9	1.40	a_e	MBB	6.2
GTTG	60.41		pP	00:42:44.891	0.1	157.1		6.99		TAS				a_e		
GUNZ	58.74		P	00:42:24.619	0.4	157.2		6.97		TAS		190.2	1.57	a_e	MBB	6.0
GUNZ	58.74		pP	00:42:33.541	0.4	157.1		6.99		TAS				a_e		
IBBN	61.67		P	00:42:44.519	-0.2	157.2		6.97		TAS		175.2	1.43	a_e	mb	6.1
IBBN	61.67		pP	00:42:53.491	-0.2	157.1		6.99		TAS				a_e		
KAST	60.50		P	00:42:36.619	0.1	157.2		6.97		TAS		170.4	1.38	a_e	MBB	6.1
KAST	60.50		pP	00:42:45.541	0.1	157.1		6.99		TAS				a_e		
MANZ	58.44		P	00:42:22.219	0.1	157.2		6.97		TAS		78.9	1.53	a_e	MBB	5.6
MANZ	58.44		pP	00:42:31.141	0.1	157.1		6.99		TAS				a_e		
MOX	59.17		P	00:42:27.269	0.0	157.2		6.97		TAS		160.0	1.36	m_e	MBB	6.2
MOX	59.17		pP	00:42:36.191	0.0	157.1		6.99		TAS				m_e		
MOX	59.17		L	01:10:59.172						T__		4125.7	21.40	a_e	Ms	5.5
NEUB	59.64		P	00:42:30.569	0.0	157.2		6.97		TAS		154.0	0.99	a_e	MBB	6.3
NEUB	59.64		pP	00:42:39.491	0.0	157.1		6.99		TAS				a_e		
NRDL	61.24		P	00:42:41.919	0.2	157.2		6.97		TAS		318.9	1.39	a_e	MBB	6.1
NRDL	61.24		pP	00:42:50.891	0.2	157.1		6.99		TAS				a_e		
PLN	58.89		P	00:42:25.419	0.1	157.2		6.97		TAS		87.6	1.07	a_e	MBB	6.0
PLN	58.89		pP	00:42:34.341	0.1	157.1		6.99		TAS				a_e		

RETH	61.65	P	00:42:44.719	0.2	157.2	6.97	TAS	453.2	1.90	a_e	MBB	6.5
RETH	61.65	pP	00:42:53.691	0.2	157.1	6.99	TAS			a_e		
RJOB	56.18	P	00:42:05.919	-0.5	157.2	6.97	TAS	84.3	1.34	a_e	mb	5.6
RJOB	56.18	pP	00:42:14.841	-0.5	157.1	6.99	TAS			a_e		
ROTZ	58.21	P	00:42:20.569	0.0	157.2	6.97	TAS	62.5	1.48	a_e	MBB	5.6
ROTZ	58.21	pP	00:42:29.491	0.0	157.1	6.99	TAS			a_e		
RUE	60.40	P	00:42:35.419	-0.2	157.2	6.97	TAS	285.9	1.36	a_e	MBB	6.3
RUE	60.40	pP	00:42:44.341	-0.2	157.1	6.99	TAS			a_e		
STU	58.09	P	00:42:19.919	0.3	157.2	6.97	TAS	520.8	1.27	a_e	MBB	6.6
STU	58.09	pP	00:42:28.841	0.3	157.1	6.99	TAS			a_e		
TANN	58.75	P	00:42:24.669	0.3	157.2	6.97	TAS	197.2	1.54	a_e	MBB	6.2
TANN	58.75	pP	00:42:33.591	0.3	157.1	6.99	TAS			a_e		
TNS	59.61	P	00:42:30.169	-0.1	157.2	6.97	TAS	403.2	1.53	a_e	MBB	6.3
TNS	59.61	pP	00:42:39.141	-0.0	157.1	6.99	TAS			a_e		
UBR	56.84	P	00:42:10.619	-0.3	157.2	6.97	TAS	150.7	1.63	a_e	MBB	6.1
UBR	56.84	pP	00:42:19.441	-0.4	157.1	6.99	TAS			a_e		
WERD	58.82	P	00:42:25.119	0.3	157.2	6.97	TAS	289.2	1.67	a_e	MBB	6.1
WERD	58.82	pP	00:42:33.991	0.3	157.1	6.99	TAS			a_e		
WERN	58.66	P	00:42:23.969	0.3	157.2	6.97	TAS	268.8	1.69	a_e	MBB	6.1
WERN	58.66	pP	00:42:32.891	0.3	157.1	6.99	TAS			a_e		
WLF	59.79	P	00:42:31.119	-0.1	157.2	6.97	TAS	369.8	1.59	a_e	MBB	6.4
WLF	59.79	pP	00:42:40.091	-0.1	157.1	6.99	TAS			a_e		

Event 70224003 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/24	10:24:14.91			51.8480	175.4500				33.0			19		74.69	80.06	m i ke	BGR
70224009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70224009
Ms	4.5		BGR	70224009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.51		P	10:36:05.325		9.9		5.58		TAS		44.5	1.55	m_e	mb 5.4
BFO	79.60		P	10:36:16.356		9.9		5.58		TAS		32.7	1.47	m_e	mb 5.0
BRG	76.46		P	10:35:58.993	0.5	9.9		5.58		TAS		15.1	1.32	m_e	mb 5.0
CLZ	75.92		P	10:35:56.405	0.1	9.9		5.58		TAS		21.6	1.04	m_e	mb 5.2
FBE	76.49		P	10:35:59.457	0.2	9.9		5.58		TAS		21.9	1.20	m_e	mb 5.2
GEC2	78.48		P	10:36:10.733		9.9		5.58		TAS		16.4	1.23	m_e	mb 5.0
GOR1	74.69		P	10:35:49.446	0.1	9.9		5.58		TAS		545.3	3.23	m_e	mb 6.0
GRA1	77.95		P	10:36:08.087		9.9		5.58		TAS		29.0	1.28	m_e	mb 5.3
GRA1	77.95		L	11:22:52.099						T_		278.4	18.20	a_e	Ms 4.6
IBBN	75.70		P	10:35:55.113	0.1	9.9		5.58		TAS		41.7	1.02	m_e	mb 5.5
MANZ	77.56		P	10:36:05.210		9.9		5.58		TAS		2.3	1.05	m_e	mb 4.2
MOX	76.97		P	10:36:02.015	-0.2	9.9		5.58		TAS		6.5	0.94	m_e	mb 4.7

MOX	76.97	L	11:20:01.649							T__	149.8	20.30	a_e	Ms	4.3
NRDL	75.30	P	10:35:52.475	0.0	9.9	5.58				TAS	30.2	1.43	m_e	mb	5.1
PLN	77.06	P	10:36:02.471		9.9	5.58				TAS	17.0	1.39	m_e	mb	5.0
RETH	75.13	P	10:35:51.824	-0.3	9.9	5.58				TAS	22.2	1.14	m_e	mb	5.1
RJOB	79.69	P	10:36:17.431		9.9	5.58				TAS	7.7	0.97	m_e	mb	4.6
ROTZ	77.76	P	10:36:06.678		9.9	5.58				TAS	3.1	1.29	m_e	mb	4.3
TANN	77.10	P	10:36:02.921		9.9	5.58				TAS	53.4	2.40	m_e	mb	5.2
UBR	80.06	P	10:36:19.214		9.9	5.58				TAS	29.3	1.50	m_e	mb	5.0
WERN	77.23	P	10:36:03.743		9.9	5.58				TAS	18.8	1.14	m_e	mb	5.1

Event 70224005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/24	17:28:51.82			-22.6600	-178.9700				468.9	2.9		32		148.66	154.00	m i ke	EMSC
70224037																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.77		PKPdf	17:47:44.997	0.1	19.7		1.44		TAS				m_e	
AHRW	151.77		PKPbc	17:47:52.085	0.0	16.9		2.14		TAS				m_e	
ASSE	149.66		PKPdf	17:47:41.607	-0.3	19.7		1.44		TAS				m_e	
ASSE	149.66		PKPbc	17:47:47.472	-0.2	16.9		2.14		TAS				m_e	
ASSE	149.66		pPKPbc	17:49:38.825	-0.1	11.6		2.12		TAS				m_e	
BFO	153.73		PKPdf	17:47:47.268		19.7		1.44		TAS				m_e	
BFO	153.73		PKPbc	17:47:55.735		16.9		2.14		TAS				m_e	
BRG	150.09		PKPdf	17:47:42.369	0.1	19.7		1.44		TAS				m_e	
BRG	150.09		PKPbc	17:47:48.705	-0.0	16.9		2.14		TAS				m_e	
BUG	150.87		PKPdf	17:47:43.228	0.1	19.7		1.44		TAS				a_e	
BUG	150.87		PKPbc	17:47:50.032	0.0	16.9		2.14		TAS				m_e	
BUG	150.87		pPKPbc	17:49:41.045	0.3	11.6		2.12		TAS				m_e	
CLL	149.93		PKPdf	17:47:41.906	0.2	19.7		1.44		TAS				m_e	
CLL	149.93		PKPbc	17:47:48.214	0.2	16.9		2.14		TAS				m_e	
CLL	149.93		pPKPbc	17:49:40.117	-0.3	11.6		2.12		TAS				m_e	
CLZ	149.99		PKPdf	17:47:42.374	-0.2	19.7		1.44		TAS				m_e	
CLZ	149.99		PKPbc	17:47:48.603	-0.2	16.9		2.14		TAS				m_e	
FBE	150.20		PKPdf	17:47:42.730	0.1	19.7		1.44		TAS				m_e	
FBE	150.20		PKPbc	17:47:49.259	-0.1	16.9		2.14		TAS				m_e	
FLT1	149.35		PKPdf	17:47:41.378	0.0	19.7		1.44		TAS				a_e	
FLT1	149.35		PKPbc	17:47:46.668	0.2	16.9		2.14		TAS				m_e	
FUR	153.27		PKPdf	17:47:46.767		19.7		1.44		TAS				m_e	
FUR	153.27		PKPbc	17:47:55.142		16.9		2.14		TAS				m_e	
GEC2	152.00		PKPdf	17:47:45.031	-0.1	19.7		1.44		TAS				m_e	
GEC2	152.00		PKPbc	17:47:53.688	-0.4	16.9		2.14		TAS				m_e	
GOR1	148.72		PKPdf	17:47:40.278	-0.2	19.7		1.44		TAS				a_e	
GOR1	148.72		PKPbc	17:47:45.506	-0.5	16.9		2.14		TAS				m_e	

GRA1	151.85	PKPdf	17:47:44.908	-0.3	19.7	1.44	TAS	m_e
GRA1	151.85	PKPbc	17:47:53.414	-0.6	16.9	2.14	TAS	m_e
GTTG	150.34	PKPdf	17:47:42.723	0.0	19.7	1.44	TAS	m_e
GTTG	150.34	PKPbc	17:47:49.278	0.1	16.9	2.14	TAS	m_e
GUNZ	150.97	PKPdf	17:47:43.727	0.1	19.7	1.44	TAS	m_e
GUNZ	150.97	PKPbc	17:47:50.760	0.1	16.9	2.14	TAS	m_e
GUNZ	150.97	pPKPbc	17:49:42.115		11.6	2.12	TAS	m_e
IBBN	149.95	PKPdf	17:47:42.091	0.2	19.7	1.44	TAS	m_e
IBBN	149.95	PKPbc	17:47:48.259	0.3	16.9	2.14	TAS	m_e
KAST	150.94	PKPdf	17:47:43.628	0.0	19.7	1.44	TAS	a_e
KAST	150.94	PKPbc	17:47:50.499	-0.2	16.9	2.14	TAS	m_e
KAST	150.94	pPKPbc	17:49:41.683		11.6	2.12	TAS	m_e
MANZ	151.37	PKPdf	17:47:44.215	0.1	19.7	1.44	TAS	m_e
MANZ	151.37	PKPbc	17:47:51.547	1.0	16.9	2.14	TAS	m_e
MANZ	151.37	pPKPbc	17:49:43.354		11.6	2.12	TAS	m_e
MOX	150.87	PKPdf	17:47:43.428	0.1	19.7	1.44	TAS	m_e
MOX	150.87	PKPbc	17:47:50.309	0.1	16.9	2.14	TAS	m_e
MOX	150.87	pPKPbc	17:49:41.824		11.6	2.12	TAS	m_e
NEUB	150.32	PKPdf	17:47:42.699	0.0	19.7	1.44	TAS	m_e
NEUB	150.32	PKPbc	17:47:49.130	-0.0	16.9	2.14	TAS	m_e
NEUB	150.32	pPKPbc	17:49:40.703		11.6	2.12	TAS	m_e
NRDL	149.41	PKPdf	17:47:41.123	0.1	19.7	1.44	TAS	m_e
NRDL	149.41	PKPbc	17:47:46.996	-0.3	16.9	2.14	TAS	m_e
PLN	150.89	PKPdf	17:47:43.578	0.1	19.7	1.44	TAS	a_e
PLN	150.89	PKPbc	17:47:50.386	0.2	16.9	2.14	TAS	m_e
PLN	150.89	pPKPbc	17:49:41.936		11.6	2.12	TAS	m_e
RETH	149.30	PKPdf	17:47:41.076	-0.2	19.7	1.44	TAS	m_e
RETH	149.30	PKPbc	17:47:46.756	-0.0	16.9	2.14	TAS	m_e
ROTZ	151.55	PKPdf	17:47:44.267	-0.1	19.7	1.44	TAS	m_e
ROTZ	151.55	PKPbc	17:47:51.813	0.6	16.9	2.14	TAS	m_e
ROTZ	151.55	pPKPbc	17:49:43.157		11.6	2.12	TAS	m_e
RUE	148.66	PKPdf	17:47:40.079	-0.1	19.7	1.44	TAS	m_e
RUE	148.66	PKPbc	17:47:45.233	-0.2	16.9	2.14	TAS	m_e
STU	153.15	PKPdf	17:47:46.822	-0.4	19.7	1.44	TAS	m_e
STU	153.15	PKPbc	17:47:55.336	-1.1	16.9	2.14	TAS	m_e
TANN	150.89	PKPdf	17:47:43.578	0.2	19.7	1.44	TAS	a_e
TANN	150.89	PKPbc	17:47:50.476	0.2	16.9	2.14	TAS	m_e
TANN	150.89	pPKPbc	17:49:41.940		11.6	2.12	TAS	m_e
TNS	151.88	PKPdf	17:47:45.146	0.5	19.7	1.44	TAS	m_e
TNS	151.88	PKPbc	17:47:52.624	0.7	16.9	2.14	TAS	m_e
TNS	151.88	pPKPbc	17:49:43.446		11.6	2.12	TAS	m_e
UBR	154.00	PKPdf	17:47:47.494		19.7	1.44	TAS	m_e
UBR	154.00	PKPbc	17:47:55.944		16.9	2.14	TAS	m_e
WERD	150.89	PKPdf	17:47:43.578	0.3	19.7	1.44	TAS	a_e
WERD	150.89	PKPbc	17:47:50.529	0.2	16.9	2.14	TAS	m_e
WERD	150.89	pPKPbc	17:49:41.878		11.6	2.12	TAS	m_e
WERN	151.03	PKPdf	17:47:43.928	-0.1	19.7	1.44	TAS	m_e
WERN	151.03	PKPbc	17:47:50.968	-0.1	16.9	2.14	TAS	m_e
WERN	151.03	pPKPbc	17:49:42.534		11.6	2.12	TAS	m_e

WLF	152.75	PKPdf	17:47:46.801	0.1	19.7	1.44	TAS	m_e
WLF	152.75	PKPbc	17:47:54.977	0.2	16.9	2.14	TAS	m_e

Event 70225001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/24	23:46:49.05			-17.1410	-176.9750				600.0			32		142.84	148.99	m i ke	BGR
70225007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.52		PKPbc	00:05:24.205	-0.3	14.4		2.78		TAS					m_e
AHRW	146.52		PKPab	00:05:26.963		13.9		4.17		TAS					m_e
BFO	148.59		PKPbc	00:05:29.146		14.4		2.78		TAS					m_e
BFO	148.59		PKPab	00:05:35.276		13.9		4.17		TAS					m_e
BRG	145.23		PKPbc	00:05:20.255	0.0	14.4		2.78		TAS					m_e
BUG	145.61		PKPbc	00:05:21.416	0.2	14.4		2.78		TAS					m_e
BUG	145.61		PKPab	00:05:22.950	-0.1	13.9		4.17		TAS					m_e
CLL	145.00		PKPbc	00:05:19.456	0.3	14.4		2.78		TAS					m_e
CLZ	144.89		PKPbc	00:05:19.581	0.2	14.4		2.78		TAS					m_e
FBE	145.30		PKPbc	00:05:20.706	0.1	14.4		2.78		TAS					m_e
FLT1	144.29		PKPbc	00:05:17.206	0.3	14.4		2.78		TAS					m_e
FUR	148.33		PKPbc	00:05:28.458		14.4		2.78		TAS					m_e
FUR	148.33		PKPab	00:05:34.359		13.9		4.17		TAS					m_e
GEC2	147.20		PKPbc	00:05:25.509	-0.5	14.4		2.78		TAS					m_e
GEC2	147.20		PKPab	00:05:29.486		13.9		4.17		TAS					m_e
GOR1	143.64		PKPbc	00:05:15.581	0.0	14.4		2.78		TAS					m_e
GRA1	146.86		PKPab	00:05:28.397		13.9		4.17		TAS					m_e
GTTG	145.23		PKPbc	00:05:20.456	-0.1	14.4		2.78		TAS					m_e
GUNZ	146.02		PKPdf	00:05:20.215		25.4		1.46		TAS					m_e
GUNZ	146.02		PKPbc	00:05:22.707	0.2	14.4		2.78		TAS					m_e
GUNZ	146.02		PKPab	00:05:24.785		13.9		4.17		TAS					m_e
HLG	142.84		PKPbc	00:05:13.182	-0.2	14.4		2.78		TAS					m_e
IBBN	144.71		PKPbc	00:05:19.158	0.0	14.4		2.78		TAS					m_e
KAST	145.75		PKPbc	00:05:21.811	0.2	14.4		2.78		TAS					m_e
KAST	145.75		PKPab	00:05:23.581		13.9		4.17		TAS					m_e
MANZ	146.43		PKPdf	00:05:20.709		25.4		1.46		TAS					m_e
MANZ	146.43		PKPbc	00:05:23.707	0.3	14.4		2.78		TAS					m_e
MOX	145.87		PKPbc	00:05:22.163	0.3	14.4		2.78		TAS					m_e
MOX	145.87		PKPab	00:05:23.925		13.9		4.17		TAS					m_e
NEUB	145.32		PKPbc	00:05:20.456	0.2	14.4		2.78		TAS					m_e
NRDL	144.28		PKPbc	00:05:17.628	0.2	14.4		2.78		TAS					m_e
PLN	145.94		PKPdf	00:05:19.861		25.4		1.46		TAS					m_e
PLN	145.94		PKPbc	00:05:22.332	0.3	14.4		2.78		TAS					m_e
PLN	145.94		PKPab	00:05:24.097		13.9		4.17		TAS					m_e

RETH	144.13	PKPbc	00:05:17.230	-0.4	14.4	2.78	TAS	m_e
ROTZ	146.62	PKPbc	00:05:24.270	0.4	14.4	2.78	TAS	m_e
ROTZ	146.62	PKPab	00:05:27.078		13.9	4.17	TAS	m_e
RUE	143.74	PKPbc	00:05:15.393	0.0	14.4	2.78	TAS	m_e
STU	148.06	PKPdf	00:05:23.506		25.4	1.46	TAS	m_e
STU	148.06	PKPbc	00:05:27.896		14.4	2.78	TAS	m_e
STU	148.06	PKPab	00:05:32.983		13.9	4.17	TAS	m_e
TANN	145.95	PKPdf	00:05:19.965		25.4	1.46	TAS	m_e
TANN	145.95	PKPbc	00:05:22.457	0.2	14.4	2.78	TAS	m_e
TANN	145.95	PKPab	00:05:24.498		13.9	4.17	TAS	m_e
TNS	146.71	PKPbc	00:05:24.707	-0.2	14.4	2.78	TAS	m_e
TNS	146.71	PKPab	00:05:27.766		13.9	4.17	TAS	m_e
UBR	148.99	PKPdf	00:05:24.517		25.4	1.46	TAS	m_e
UBR	148.99	PKPbc	00:05:30.021		14.4	2.78	TAS	m_e
WERD	145.95	PKPdf	00:05:19.911		25.4	1.46	TAS	m_e
WERD	145.95	PKPbc	00:05:22.394	0.3	14.4	2.78	TAS	m_e
WERD	145.95	PKPab	00:05:24.269		13.9	4.17	TAS	m_e
WERN	146.09	PKPdf	00:05:20.329		25.4	1.46	TAS	m_e
WERN	146.09	PKPbc	00:05:22.894	0.2	14.4	2.78	TAS	m_e
WERN	146.09	PKPab	00:05:25.301		13.9	4.17	TAS	m_e
WLF	147.46	PKPdf	00:05:23.227		25.4	1.46	TAS	m_e
WLF	147.46	PKPbc	00:05:27.193	-0.6	14.4	2.78	TAS	m_e
WLF	147.46	PKPab	00:05:31.378		13.9	4.17	TAS	m_e

Event 70226003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/26	06:44:21.80			-18.5200	169.3800				244.0				27	142.28	146.51	m i ke	NEIC
	70226098																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.07		PKPbc	07:03:29.387	0.2	36.0		3.29		TAS					a_e
BFO	146.51		PKPbc	07:03:33.237		36.0		3.29		TAS					a_e
BRG	142.28		PKPbc	07:03:19.339	0.2	36.0		3.29		TAS					m_e
BUG	144.23		PKPbc	07:03:25.837	0.1	36.0		3.29		TAS					a_e
CLL	142.32		PKPbc	07:03:19.387	0.1	36.0		3.29		TAS					a_e
CLZ	142.87		PKPbc	07:03:21.837	0.3	36.0		3.29		TAS					a_e
FBE	142.48		PKPbc	07:03:20.487	0.4	36.0		3.29		TAS					a_e
FUR	145.48		PKPbc	07:03:30.574		36.0		3.29		TAS					m_e
GEC2	143.92		PKPbc	07:03:25.237		36.0		3.29		TAS					a_e
GRA1	144.30		PKPbc	07:03:26.987		36.0		3.29		TAS					a_e
GTTG	143.25		PKPbc	07:03:23.137	0.1	36.0		3.29		TAS					a_e
GUNZ	143.33		PKPbc	07:03:23.487	-0.5	36.0		3.29		TAS					a_e
IBBN	143.33		PKPbc	07:03:23.037	0.0	36.0		3.29		TAS					a_e

KAST	144.07	PKPbc	07:03:25.687	0.2	36.0	3.29	TAS	a_e
MANZ	143.71	PKPbc	07:03:24.737	-0.5	36.0	3.29	TAS	a_e
MOX	143.38	PKPbc	07:03:23.387	0.3	36.0	3.29	TAS	a_e
NEUB	142.88	PKPbc	07:03:21.637	0.3	36.0	3.29	TAS	a_e
PLN	143.30	PKPbc	07:03:23.228	0.6	36.0	3.29	TAS	m_e
RJOB	145.15	PKPbc	07:03:29.346		36.0	3.29	TAS	m_e
ROTZ	143.84	PKPbc	07:03:25.287		36.0	3.29	TAS	a_e
STU	145.83	PKPbc	07:03:31.487		36.0	3.29	TAS	a_e
TANN	143.24	PKPbc	07:03:23.087	0.1	36.0	3.29	TAS	a_e
TNS	144.89	PKPbc	07:03:28.737	-0.2	36.0	3.29	TAS	a_e
UBR	146.35	PKPbc	07:03:32.737		36.0	3.29	TAS	a_e
WERD	143.27	PKPbc	07:03:23.137	-0.2	36.0	3.29	TAS	a_e
WERN	143.37	PKPbc	07:03:23.737	0.1	36.0	3.29	TAS	m_e
WLF	146.13	PKPbc	07:03:32.787		36.0	3.29	TAS	a_e

Event 70226004 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
2017/02/26	15:03:33.93			37.4730	141.8580				33.0			27		79.68	85.09	m i ke	BGR
70226010																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 70226010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.09		P	15:16:04.583		37.4		5.20		TAS		42.4	1.05	m_e mb	5.6
BRG	80.86		P	15:15:42.778	0.1	37.4		5.20		TAS		17.9	1.01	m_e mb	5.0
BUG	82.94		P	15:15:53.477	-0.1	37.4		5.20		TAS		15.8	1.05	m_e mb	5.2
CLL	80.89		P	15:15:42.678	-0.1	37.4		5.20		TAS		31.6	0.96	m_e mb	5.3
CLZ	81.48		P	15:15:46.429	-0.2	37.4		5.20		TAS		33.8	1.20	m_e mb	5.2
FBE	81.05		P	15:15:44.228	-0.1	37.4		5.20		TAS		30.5	0.92	m_e mb	5.3
FLT1	80.77		P	15:15:42.028	-0.4	37.4		5.20		TAS		31.0	1.15	m_e mb	5.2
FUR	84.06		P	15:15:59.532		37.4		5.20		TAS		52.1	0.85	m_e mb	5.8
GEC2	82.53		P	15:15:51.430		37.4		5.20		TAS		23.3	1.38	m_e mb	5.2
GRA1	82.87		P	15:15:53.930		37.4		5.20		TAS		40.7	1.00	m_e mb	5.6
GTTG	81.87		P	15:15:48.378	0.3	37.4		5.20		TAS		20.1	1.09	m_e mb	5.2
GUNZ	81.90		P	15:15:48.429	-0.2	37.4		5.20		TAS		20.7	1.18	m_e mb	5.1
IBBN	82.06		P	15:15:49.211	-0.2	37.4		5.20		TAS		32.1	1.04	m_e mb	5.4
KAST	82.72		P	15:15:52.597	-0.1	37.4		5.20		TAS		7.8	0.99	m_e mb	4.9
MANZ	82.28		P	15:15:50.530	0.1	37.4		5.20		TAS		3.8	1.10	m_e mb	4.4
MOX	81.96		P	15:15:48.529	0.2	37.4		5.20		TAS		14.6	1.31	m_e mb	4.9
NEUB	81.46		P	15:15:45.879	-0.1	37.4		5.20		TAS		36.2	1.12	m_e mb	5.3
NRDL	81.06		P	15:15:43.878	0.3	37.4		5.20		TAS		17.2	1.14	m_e mb	5.0
PLN	81.87		P	15:15:48.129	0.3	37.4		5.20		TAS		10.2	1.20	m_e mb	4.8
RETH	81.13		P	15:15:44.528	-0.4	37.4		5.20		TAS		24.4	0.99	m_e mb	5.2
RJOB	83.77		P	15:15:58.181		37.4		5.20		TAS		24.0	0.96	m_e mb	5.4

ROTZ	82.42	P	15:15:51.330		37.4	5.20	TAS	10.3	1.51	m_e	mb	4.7
RUE	79.68	P	15:15:36.577	0.2	37.4	5.20	TAS	26.3	0.88	m_e	mb	5.2
STU	84.40	P	15:16:01.132		37.4	5.20	TAS	83.1	0.98	m_e	mb	5.9
TANN	81.81	P	15:15:47.779	-0.2	37.4	5.20	TAS	8.6	1.06	m_e	mb	4.8
WERD	81.84	P	15:15:47.913	0.6	37.4	5.20	TAS	10.9	1.24	m_e	mb	4.8
WERN	81.94	P	15:15:48.729	-0.4	37.4	5.20	TAS	18.8	1.07	m_e	mb	5.1

Event 70227002 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/27	01:21:24.25			52.7000	157.7800				33.0			28		70.94	76.27	m i ke	BGR
OrigID 70227008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70227008
Ms	4.4		BGR	70227008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	74.20	P		01:32:58.395		20.6		5.88		TAS		28.0	1.24	m_e	mb	5.2
BFO	76.04	P		01:33:08.657		20.6		5.88		TAS		10.3	0.98	m_e	mb	4.9
BRG	72.39	P		01:32:47.253	-0.0	20.6		5.88		TAS		8.8	0.89	m_e	mb	4.9
BUG	73.30	P		01:32:52.908	0.1	20.6		5.88		TAS		28.6	0.98	m_e	mb	5.4
CLL	72.20	P		01:32:46.187	0.1	20.6		5.88		TAS		29.9	0.85	m_e	mb	5.4
CLZ	72.29	P		01:32:47.485	-0.0	20.6		5.88		TAS		32.7	0.97	m_e	mb	5.4
FBE	72.48	P		01:32:48.250	0.2	20.6		5.88		TAS		24.1	1.03	m_e	mb	5.3
FLT1	71.64	P		01:32:42.850	0.3	20.6		5.88		TAS		26.2	0.87	m_e	mb	5.4
FUR	75.54	P		01:33:06.128		20.6		5.88		TAS		28.2	1.01	m_e	mb	5.3
GEC2	74.33	P		01:32:59.120		20.6		5.88		TAS		46.0	1.75	m_e	mb	5.2
GRA1	74.12	P		01:32:58.332	-0.3	20.6		5.88		TAS		36.4	1.03	m_e	mb	5.3
GRA1	74.12	L		02:07:22.947						T_		210.9	18.00	a_e	Ms	4.5
GTTG	72.65	P		01:32:49.386	0.2	20.6		5.88		TAS		29.4	1.44	m_e	mb	5.2
GUNZ	73.24	P		01:32:52.908	0.4	20.6		5.88		TAS		16.8	1.03	m_e	mb	5.1
IBBN	72.38	P		01:32:47.763	0.1	20.6		5.88		TAS		34.2	0.92	m_e	mb	5.5
KAST	73.30	P		01:32:53.229	-0.0	20.6		5.88		TAS		13.5	0.91	m_e	mb	5.1
MANZ	73.64	P		01:32:55.087	0.4	20.6		5.88		TAS		2.1	1.01	m_e	mb	4.1
MOX	73.14	P		01:32:52.120	0.2	20.6		5.88		TAS		12.6	0.77	m_e	mb	5.1
MOX	73.14	L		02:11:25.407						T_		156.7	18.50	a_e	Ms	4.3
NRDL	71.73	P		01:32:43.777	0.1	20.6		5.88		TAS		17.9	0.94	m_e	mb	5.2
PLN	73.16	P		01:32:52.352	0.0	20.6		5.88		TAS		12.0	0.91	m_e	mb	5.0
RETH	71.66	P		01:32:43.499	-0.4	20.6		5.88		TAS		29.3	0.98	m_e	mb	5.4
RJOB	75.58	P		01:33:06.813		20.6		5.88		TAS		14.3	0.82	m_e	mb	5.1
ROTZ	73.83	P		01:32:56.339	-0.5	20.6		5.88		TAS		3.8	0.99	m_e	mb	4.4
RUE	70.94	P		01:32:39.049	-0.1	20.6		5.88		TAS		45.0	0.91	m_e	mb	5.6
TANN	73.16	P		01:32:52.213	-0.1	20.6		5.88		TAS		15.5	1.18	m_e	mb	5.0
TNS	74.22	P		01:32:58.460		20.6		5.88		TAS		17.4	0.94	m_e	mb	5.1
UBR	76.27	P		01:33:10.189		20.6		5.88		TAS		23.8	1.15	m_e	mb	5.2

WERD	73.17	P	01:32:52.445	0.2	20.6	5.88	TAS	13.5	1.01	m_e	mb	5.0
WERN	73.30	P	01:32:53.279	0.1	20.6	5.88	TAS	17.5	0.81	m_e	mb	5.2

Event 70227004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/27	09:10:44.24			43.5700	142.3410				33.0					77.77	77.77	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	70227010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	77.77		P	09:22:36.668		35.9		4.89		TAS		13.1	0.78	m_e	mb	5.1

Event 70228001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/28	07:49:01.78			37.6990	142.2730				45.1				35	79.65	85.06	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	70228007
MBB	6.0		BGR	70228007
Ms	5.3		BGR	70228007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.70		P	08:01:24.636	0.1	37.0		5.22		TAS		122.1	1.34	a_e	mb	6.0
ASSE	81.09		P	08:01:10.936	0.1	37.0		5.22		TAS		47.0	1.11	a_e	mb	5.4
BFO	85.06		P	08:01:31.336	0.3	37.0		5.22		TAS		196.3	1.12	a_e	mb	6.2
BRG	80.83		P	08:01:09.536	0.1	37.0		5.22		TAS		69.4	1.12	a_e	mb	5.6
BSEG	79.78		P	08:01:04.136	0.1	37.0		5.22		TAS		0.6	0.99	a_e	mb	3.5
BUG	82.89		P	08:01:20.086	0.1	37.0		5.22		TAS		81.8	1.14	a_e	mb	5.9
CLL	80.86		P	08:01:09.286	-0.2	37.0		5.22		TAS		174.3	1.24	a_e	MBB	6.1
CLZ	81.44		P	08:01:13.086	-0.2	37.0		5.22		TAS		175.6	1.14	a_e	MBB	6.1
FBE	81.02		P	08:01:10.786	-1.0	37.0		5.22		TAS		228.6	1.40	a_e	MBB	6.1
FLT1	80.72		P	08:01:08.486	0.3	37.0		5.22		TAS		145.2	1.07	a_e	MBB	6.0
FUR	84.04		P	08:01:26.436	-0.6	37.0		5.22		TAS		269.5	1.45	a_e	mb	6.3
GEC2	82.51		P	08:01:18.136	-0.3	37.0		5.22		TAS		67.6	1.18	a_e	mb	5.8
GEC2	82.51		pP	08:01:31.182						T__					m_e	
GOR1	80.17		P	08:01:06.386	0.1	37.0		5.22		TAS		233.1	1.26	a_e	MBB	6.1
GRA1	82.83		P	08:01:20.686	-0.1	37.0		5.22		TAS		186.4	1.07	a_e	MBB	6.3
GRA1	82.83		L	08:42:24.178						T__		1447.9	21.50	a_e	Ms	5.3

GTTG	81.83	P	08:01:14.936	-0.5	37.0	5.22	TAS	202.7	1.52	a_e	mb	6.0
GUNZ	81.87	P	08:01:15.236	0.1	37.0	5.22	TAS	105.3	1.39	a_e	MBB	5.9
IBBN	82.00	P	08:01:15.686	-0.0	37.0	5.22	TAS	222.4	1.19	a_e	mb	6.2
KAST	82.67	P	08:01:19.236	0.1	37.0	5.22	TAS	76.9	1.27	a_e	MBB	6.1
MANZ	82.25	P	08:01:17.136	0.5	37.0	5.22	TAS	16.5	1.25	a_e	MBB	5.6
MOX	81.92	P	08:01:15.386	0.2	37.0	5.22	TAS	90.1	1.30	m_e	mb	5.7
MOX	81.92	L	08:42:04.977				T__	1532.3	21.50	a_e	Ms	5.3
NEUB	81.43	P	08:01:12.486	-0.1	37.0	5.22	TAS	180.0	1.09	a_e	MBB	6.2
NRDL	81.01	P	08:01:10.586	0.0	37.0	5.22	TAS	103.9	1.38	a_e	mb	5.7
PLN	81.84	P	08:01:15.036	0.1	37.0	5.22	TAS	70.7	1.30	a_e	mb	5.6
RETH	81.08	P	08:01:10.936	-0.2	37.0	5.22	TAS	186.3	1.22	a_e	MBB	6.0
RJOB	83.75	P	08:01:25.186		37.0	5.22	TAS	108.8	1.18	a_e	mb	6.0
ROTZ	82.39	P	08:01:18.186	0.6	37.0	5.22	TAS	33.1	1.26	a_e	MBB	5.5
RUE	79.65	P	08:01:03.286	-0.6	37.0	5.22	TAS	168.9	1.29	a_e	mb	5.8
STU	84.37	P	08:01:27.986	0.1	37.0	5.22	TAS	454.4	1.25	a_e	MBB	6.7
TANN	81.77	P	08:01:14.636	0.2	37.0	5.22	TAS	54.8	1.29	a_e	mb	5.5
TNS	83.46	P	08:01:23.386	0.4	37.0	5.22	TAS	81.2	1.44	a_e	mb	5.8
UBBA	82.40	P	08:01:16.786	0.1	37.0	5.22	TAS	84.2	1.38	a_e	mb	5.7
UBR	84.89	P	08:01:30.227		37.0	5.22	TAS	60.9	1.23	m_e	mb	5.7
WERD	81.81	P	08:01:14.786	0.2	37.0	5.22	TAS	77.9	1.35	a_e	MBB	5.9
WERN	81.91	P	08:01:15.486	0.1	37.0	5.22	TAS	100.7	1.14	a_e	MBB	5.9
WLF	84.76	P	08:01:30.536	-0.2	37.0	5.22	TAS	138.4	1.48	a_e	mb	6.0

Event 70228004 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/02/28	13:42:14.33			37.2600	73.2100				138.0	1.3		36		43.52	48.68	m i ke	BGR
70228010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	70228010
MBB	5.9		BGR	70228010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.92		P	13:50:38.330	0.0	82.6		7.86		TAS		48.0	1.12	a_e	mb 5.5
ASSE	45.45		P	13:50:18.530	-0.3	82.6		7.86		TAS		36.6	1.48	a_e	mb 5.1
BFO	47.55		P	13:50:34.831	-0.1	82.6		7.86		TAS		40.0	1.12	m_e	mb 5.5
BRG	43.55		P	13:50:03.680	-0.3	82.6		7.86		TAS		123.7	1.18	a_e	MBB 5.6
BSEG	45.48		P	13:50:19.405	0.9	82.6		7.86		TAS		1.8	1.78	m_e	mb 3.7
BUG	47.64		P	13:50:35.980	-0.0	82.6		7.86		TAS		95.8	1.25	a_e	MBB 5.9
CLL	44.10		P	13:50:07.530	-0.8	82.6		7.86		TAS		113.1	1.43	a_e	MBB 5.5
CLZ	45.67		P	13:50:20.630	0.0	82.6		7.86		TAS		127.7	1.43	a_e	mb 5.8
FBE	43.92		P	13:50:06.880	-0.0	82.6		7.86		TAS		152.7	1.14	a_e	MBB 5.8
FLT1	45.09		P	13:50:15.280	-0.7	82.6		7.86		TAS		167.6	1.14	a_e	mb 5.9
FUR	45.64		P	13:50:20.630	0.7	82.6		7.86		TAS		205.0	1.35	a_e	MBB 6.2
GEC2	43.94		P	13:50:06.880	0.1	82.6		7.86		TAS		84.3	1.54	a_e	MBB 5.6

GOR1	44.98	P	13:50:15.280	0.3	82.6	7.86	TAS	238.5	1.18	a_e	MBB	6.2
GRA1	45.43	P	13:50:19.480	0.8	82.6	7.86	TAS	193.3	1.44	m_e	mb	5.8
GTTG	45.96	P	13:50:22.980	0.1	82.6	7.86	TAS	206.9	1.25	a_e	MBB	6.1
GUNZ	44.63	P	13:50:12.430	-0.0	82.6	7.86	TAS	58.4	1.18	a_e	MBB	5.6
GUNZ	44.63	pP	13:50:43.851				T__				m_e	
IBBN	47.21	P	13:50:32.630	-0.2	82.6	7.86	TAS	182.4	1.29	a_e	MBB	6.1
KAST	46.97	P	13:50:30.636	-0.1	82.6	7.86	TAS	69.1	2.09	m_e	mb	5.4
MANZ	44.82	P	13:50:14.180	0.3	82.6	7.86	TAS	16.3	1.23	a_e	mb	4.8
MANZ	44.82	pP	13:50:45.674				T__				m_e	
MOX	45.05	P	13:50:15.680	-0.1	82.6	7.86	TAS	56.0	1.07	m_e	mb	5.4
NEUB	44.88	P	13:50:14.030	-0.4	82.6	7.86	TAS	125.9	1.13	a_e	mb	5.7
NRDL	45.76	P	13:50:21.530	0.4	82.6	7.86	TAS	198.7	1.40	a_e	MBB	6.1
PLN	44.72	P	13:50:13.080	-0.1	82.6	7.86	TAS	169.6	2.12	a_e	mb	5.6
RETH	46.18	P	13:50:24.630	0.2	82.6	7.86	TAS	74.0	1.18	a_e	mb	5.6
RGN	43.68	P	13:50:05.053	0.9	82.6	7.86	TAS	566.4	1.07	m_e	MBB	6.3
RJOB	44.71	P	13:50:12.627	0.2	82.6	7.86	TAS	37.4	1.13	m_e	mb	5.2
ROTZ	44.79	P	13:50:14.030	0.4	82.6	7.86	TAS	20.2	1.38	a_e	mb	4.9
ROTZ	44.79	pP	13:50:45.456				T__				m_e	
RUE	43.52	P	13:50:02.880	-0.8	82.6	7.86	TAS	117.9	1.16	a_e	mb	5.5
STU	46.90	P	13:50:30.180	0.1	82.6	7.86	TAS	176.1	1.18	a_e	mb	6.1
TANN	44.54	P	13:50:11.680	-0.1	82.6	7.86	TAS	52.1	1.17	a_e	mb	5.3
TNS	47.11	P	13:50:31.880	0.1	82.6	7.86	TAS	53.3	1.40	a_e	mb	5.5
UBBA	46.04	P	13:50:22.330	-1.2	82.6	7.86	TAS	54.0	1.39	a_e	mb	5.4
UBR	46.51	P	13:50:26.830	0.2	82.6	7.86	TAS	207.9	1.53	a_e	mb	6.0
WERD	44.64	P	13:50:12.380	-0.1	82.6	7.86	TAS	74.0	1.35	a_e	MBB	5.7
WERN	44.61	P	13:50:12.330	0.0	82.6	7.86	TAS	79.9	1.66	a_e	MBB	5.6
WERN	44.61	pP	13:50:43.420				T__				m_e	
WLF	48.68	P	13:50:44.280		82.6	7.86	TAS				a_e	