

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

(produced by the Federal Seismological Survey/BGR - HANNOVER)

July 2022

UPDATED 30.November 2023

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

Event 20701005 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/01	20:13:22.83			38.4900	78.2600				33.0				14	45.94	49.11	m i ke	BGR
OrigID 20701011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20701011
Ms	4.8		BGR	20701011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	45.94		P	20:21:43.060	0.5	77.8		7.89		TAS		16.7	0.90	m_e mb	5.1
BSEG	47.58		P	20:21:55.995	0.7	77.8		7.89		TAS		20.8	0.90	m_e mb	5.3
CLL	46.44		P	20:21:46.562	0.6	77.8		7.89		TAS		11.4	0.83	m_e mb	4.9
CLZ	47.95		P	20:21:58.652	-0.0	77.8		7.89		TAS		15.7	1.04	m_e mb	5.1
FLT1	47.33		P	20:21:53.118	-0.3	77.8		7.89		TAS		22.5	0.91	m_e mb	5.3
FUR	48.22		P	20:22:01.016		77.8		7.89		TAS		34.2	0.82	m_e mb	5.5
GEC2	46.50		P	20:21:47.216		77.8		7.89		TAS		10.6	0.89	m_e mb	5.0
GRA1	47.89		P	20:21:58.795		77.8		7.89		TAS		24.8	0.92	m_e mb	5.3
GRA1	47.89		L	20:43:39.037						T__		1143.0	19.70	a_e Ms	4.8
GTTG	48.26		P	20:22:01.152	-0.6	77.8		7.89		TAS		30.0	0.90	m_e mb	5.4
MOX	47.43		P	20:21:54.684	-0.5	77.8		7.89		TAS		10.9	0.96	m_e mb	5.0
MOX	47.43		L	20:43:25.775						T__		944.0	19.90	a_e Ms	4.8
PLN	47.13		P	20:21:51.734		77.8		7.89		TAS		2.8	0.88	m_e mb	4.4
TANN	46.95		P	20:21:50.875		77.8		7.89		TAS		8.9	0.89	m_e mb	4.9
UBR	49.11		P	20:22:06.951		77.8		7.89		TAS		15.7	0.91	m_e mb	5.0
WET	46.96		P	20:21:50.887		77.8		7.89		TAS		7.5	0.85	m_e mb	4.8

Event 20701006 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/01	21:32:24.09			26.8690	52.5950				33.0			26		37.17	42.12	m i ke	BGR
OrigID 20701012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	20701012
Ms	5.7		BGR	20701012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	41.79		P	21:40:10.445	-0.3	110.3		8.36		TAS		188.8	1.28	m_e	mb 5.7
ASSE	40.20		P	21:39:56.557	0.2	110.3		8.36		TAS		336.3	1.29	m_e	mb 5.8
BFO	40.38		P	21:39:57.904	0.6	110.3		8.36		TAS		407.8	2.28	m_e	mb 5.7
BRG	37.83		P	21:39:36.611	-0.1	110.3		8.36		TAS		130.1	1.18	m_e	mb 5.5
BSEG	41.11		P	21:40:03.291	-0.2	110.3		8.36		TAS		279.7	1.27	m_e	mb 5.8
BUG	41.94		P	21:40:11.623	-0.1	110.3		8.36		TAS		412.0	1.30	m_e	mb 6.0
CLL	38.55		P	21:39:42.839	0.2	110.3		8.36		TAS		193.1	1.31	m_e	mb 5.6
CLZ	40.26		P	21:39:57.567	-0.1	110.3		8.36		TAS		460.7	1.32	m_e	mb 5.9
FLT1	39.96		P	21:39:54.538	-0.2	110.3		8.36		TAS		613.5	1.24	m_e	mb 6.1
FUR	38.45		P	21:39:42.839	0.9	110.3		8.36		TAS		355.1	1.16	m_e	mb 6.0
GEC2	37.17		P	21:39:31.813	-0.6	110.3		8.36		TAS		100.4	1.19	m_e	mb 5.4
GOR1	40.18		P	21:39:56.221	0.1	110.3		8.36		TAS		511.8	1.23	m_e	mb 6.0
GRA1	38.99		P	21:39:47.299	-0.4	110.3		8.36		TAS		319.3	1.17	m_e	mb 5.8
GRA1	38.99		L	21:59:36.362						T__		9757.5	20.90	a_e	Ms 5.6
GTTG	40.39		P	21:39:58.497	-0.0	110.3		8.36		TAS		345.0	1.40	m_e	mb 5.8
KAST	41.19		P	21:40:05.558	-0.2	110.3		8.36		TAS		323.9	1.35	m_e	mb 5.9
MOX	39.10		P	21:39:47.636	0.1	110.3		8.36		TAS		65.9	0.98	m_e	mb 5.2
MOX	39.10		L	21:59:04.615						T__		15828.0	20.00	m_e	Ms 5.8
NEUB	39.21		P	21:39:48.394	-0.4	110.3		8.36		TAS		236.5	1.34	m_e	mb 5.7
PLN	38.72		P	21:39:44.269	-0.1	110.3		8.36		TAS		69.3	2.05	m_e	mb 4.9
RGN	39.79		P	21:39:52.349	0.8	110.3		8.36		TAS		1425.8	1.53	m_e	mb 6.4
RUE	38.60		P	21:39:42.839	-0.0	110.3		8.36		TAS		535.2	1.24	m_e	mb 6.0
STU	39.95		P	21:39:54.264	-0.3	110.3		8.36		TAS		354.6	1.46	m_e	mb 5.8
TANN	38.51		P	21:39:42.755	0.2	110.3		8.36		TAS		641.1	2.62	m_e	mb 5.8
TNS	40.86		P	21:40:02.770	-0.2	110.3		8.36		TAS		247.2	1.31	m_e	mb 5.8
UBR	39.05		P	21:39:47.973		110.3		8.36		TAS		418.5	1.20	m_e	mb 5.9
WET	37.78		P	21:39:36.442	0.1	110.3		8.36		TAS		103.0	1.18	m_e	mb 5.4
WLF	42.12		P	21:40:12.861	0.3	110.3		8.36		TAS		202.5	1.10	m_e	mb 5.8

Event 20701007 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/01	21:48:07.87			26.9550	52.6990				33.0			11		37.82	42.12	m i ke	BGR
OrigID 20701013																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 20701013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	37.82		P	21:55:20.726	0.0	110.1		8.36		TAS		23.3	1.54	m_e	mb 4.7
BSEG	41.10		P	21:55:47.502	0.0	110.1		8.36		TAS		18.4	1.09	m_e	mb 4.7
BUG	41.94		P	21:55:55.851	-0.1	110.1		8.36		TAS		37.8	1.34	m_e	mb 5.0
CLL	38.54		P	21:55:26.899	0.3	110.1		8.36		TAS		24.9	1.44	m_e	mb 4.6
CLZ	40.26		P	21:55:41.627	0.2	110.1		8.36		TAS		65.5	1.53	m_e	mb 5.0
FLT1	39.95		P	21:55:38.175	0.2	110.1		8.36		TAS		56.1	1.24	m_e	mb 5.1
FUR	38.46		P	21:55:26.606		110.1		8.36		TAS		19.2	0.96	m_e	mb 4.8
GOR1	40.17		P	21:55:40.279	0.1	110.1		8.36		TAS		38.3	1.12	m_e	mb 4.9
KAST	41.18		P	21:55:49.609	-0.3	110.1		8.36		TAS		39.5	1.52	m_e	mb 4.9
TNS	40.86		P	21:55:46.684	-0.5	110.1		8.36		TAS		35.3	1.51	m_e	mb 4.9
WLF	42.12		P	21:55:56.620	0.3	110.1		8.36		TAS		19.2	1.10	m_e	mb 4.7

Event 20701008 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/01	23:24:31.39		26.9390	52.4260				33.0				26		37.02	41.96	m i ke	BGR

OrigID 20701014

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 20701014
 MBB 6.0 BGR 20701014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	40.05		P	23:32:02.699	0.2	110.4		8.37		TAS		178.1	1.19	m_e	MBB 6.1
BFO	40.22		P	23:32:04.539	0.8	110.4		8.37		TAS		73.9	1.57	a_e	MBB 5.7
BRG	37.68		P	23:31:42.871	-0.3	110.4		8.37		TAS		132.5	1.15	m_e	MBB 5.9
BSEG	40.96		P	23:32:09.679	0.2	110.4		8.37		TAS		171.1	1.12	m_e	MBB 6.2
BUG	41.79		P	23:32:17.850	-0.2	110.4		8.37		TAS		414.5	1.48	m_e	MBB 6.2
CLL	38.40		P	23:31:48.935	0.3	110.4		8.37		TAS		134.4	1.12	m_e	MBB 6.0
CLZ	40.11		P	23:32:03.771	0.3	110.4		8.37		TAS		178.1	0.88	m_e	MBB 6.1
FLT1	39.81		P	23:32:00.732	-0.2	110.4		8.37		TAS		603.1	1.26	m_e	MBB 6.2
FUR	38.29		P	23:31:48.839		110.4		8.37		TAS		286.4	1.18	a_e	MBB 6.2
GEC2	37.02		P	23:31:38.091	0.1	110.4		8.37		TAS		74.1	1.09	m_e	MBB 6.0
GOR1	40.03		P	23:32:02.546	-0.1	110.4		8.37		TAS		581.4	1.23	m_e	MBB 6.2
GRA1	38.84		P	23:31:53.306	0.2	110.4		8.37		TAS		194.5	0.98	m_e	mb 5.7
GTTG	40.24		P	23:32:05.072	0.0	110.4		8.37		TAS		180.4	1.32	m_e	MBB 6.0
IBBN	41.78		P	23:32:17.489	-0.1	110.4		8.37		TAS		514.6	1.50	a_e	MBB 6.3
KAST	41.03		P	23:32:11.789	-0.2	110.4		8.37		TAS		241.4	1.38	a_e	MBB 6.2
MOX	38.94		P	23:31:53.676	-0.1	110.4		8.37		TAS		48.2	1.06	m_e	MBB 5.7
NEUB	39.06		P	23:31:54.576	-0.3	110.4		8.37		TAS		104.5	1.07	m_e	MBB 6.0
PLN	38.56		P	23:31:50.666	0.0	110.4		8.37		TAS		25.2	1.38	m_e	MBB 5.3
RGN	39.65		P	23:31:58.389	0.6	110.4		8.37		TAS		949.3	1.22	a_e	MBB 6.4

RUE	38.46	P	23:31:49.031	-0.1	110.4	8.37	TAS	342.7	1.04	m_e	MBB	6.3
STU	39.80	P	23:32:00.289	0.5	110.4	8.37	TAS	168.4	1.28	a_e	MBB	6.0
TANN	38.36	P	23:31:48.952	-0.3	110.4	8.37	TAS	53.1	1.20	m_e	MBB	5.8
TNS	40.70	P	23:32:08.798	0.2	110.4	8.37	TAS	197.5	1.46	m_e	MBB	6.1
UBR	38.90	P	23:31:54.039		110.4	8.37	TAS	210.5	1.08	a_e	MBB	6.2
WET	37.63	P	23:31:42.539	-0.7	110.4	8.37	TAS	116.6	1.29	m_e	MBB	6.0
WLF	41.96	P	23:32:18.883	-0.5	110.4	8.37	TAS	136.0	1.15	m_e	MBB	5.9

Event 20701009 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/01	23:25:31.35			26.8810	52.8720				33.0			24		37.95	42.67	m i ke	BGR
OrigID 20701015																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	20701015
MBB	6.3		BGR	20701015
Ms	5.9		BGR	20701015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	41.95		P	23:33:19.298	-0.2	110.0		8.35		TAS		191.8	1.18	m_e	MBB 6.3
ASSE	40.35		P	23:33:05.492	0.3	110.0		8.35		TAS		339.1	1.35	m_e	MBB 6.2
BRG	37.98		P	23:32:45.585	0.1	110.0		8.35		TAS		408.4	1.41	m_e	MBB 6.1
BSEG	41.25		P	23:33:12.371	0.4	110.0		8.35		TAS		365.1	1.19	m_e	MBB 6.3
BUG	42.10		P	23:33:20.581	-0.1	110.0		8.35		TAS		793.9	1.38	m_e	MBB 6.4
CLL	38.70		P	23:32:51.657	0.2	110.0		8.35		TAS		733.4	1.60	m_e	MBB 6.2
CLZ	40.41		P	23:33:06.472	0.3	110.0		8.35		TAS		1205.7	1.50	m_e	MBB 6.3
FLT1	40.10		P	23:33:03.369	0.0	110.0		8.35		TAS		1280.3	1.37	m_e	MBB 6.5
FUR	38.62		P	23:32:51.750		110.0		8.35		TAS		773.4	1.44	m_e	MBB 6.3
GOR1	40.33		P	23:33:05.234	0.1	110.0		8.35		TAS		918.6	1.31	m_e	MBB 6.5
GRA1	39.15		P	23:32:55.880	-0.7	110.0		8.35		TAS		799.9	1.50	m_e	mb 6.1
GRA1	39.15		L	23:51:46.096						T__		15500.3	19.60	a_e	Ms 5.8
GTTG	40.55		P	23:33:07.629	0.1	110.0		8.35		TAS		402.1	1.32	m_e	mb 6.0
HLG	42.67		P	23:33:23.701	0.2	110.0		8.35		TAS		835.3	1.21	m_e	MBB 6.5
IBBN	42.09		P	23:33:20.267	0.1	110.0		8.35		TAS		607.8	1.21	m_e	MBB 6.4
KAST	41.34		P	23:33:14.282	-0.2	110.0		8.35		TAS		737.5	1.49	m_e	MBB 6.4
MOX	39.25		P	23:32:56.362	-0.4	110.0		8.35		TAS		107.3	1.29	m_e	mb 5.3
MOX	39.25		L	23:52:10.367						T__		19901.1	20.40	m_e	Ms 5.9
PLN	38.87		P	23:32:53.046	0.1	110.0		8.35		TAS		121.2	1.96	m_e	mb 5.2
RUE	38.75		P	23:32:51.710	0.1	110.0		8.35		TAS		1362.5	1.48	m_e	MBB 6.4
STU	40.12		P	23:33:03.070		110.0		8.35		TAS		374.2	1.15	m_e	mb 5.9
TANN	38.66		P	23:32:51.523	-0.4	110.0		8.35		TAS		234.9	1.92	m_e	MBB 5.9
TNS	41.02		P	23:33:11.489	0.0	110.0		8.35		TAS		437.9	1.39	m_e	MBB 6.3
UBR	39.23		P	23:32:56.575		110.0		8.35		TAS		870.7	1.31	m_e	MBB 6.4
WET	37.95		P	23:32:45.374	0.6	110.0		8.35		TAS		269.7	1.41	m_e	MBB 6.1
WLF	42.28		P	23:33:21.540	-0.4	110.0		8.35		TAS		427.7	1.32	m_e	MBB 6.2

Event 20702001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/02	01:59:15.91			45.9240	141.9950				33.0			26		72.25	77.67	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	20702007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.19		P	02:10:59.793	0.3	33.0		5.75		TAS		65.4	1.12	m_e mb	5.7
ASSE	73.65		P	02:10:44.982	0.1	33.0		5.75		TAS		48.3	0.98	m_e mb	5.5
BFO	77.67		P	02:11:07.769	-0.3	33.0		5.75		TAS		63.1	1.23	m_e mb	5.6
BRG	73.55		P	02:10:44.316	-0.1	33.0		5.75		TAS		34.1	0.87	m_e mb	5.4
BSEG	72.25		P	02:10:36.980	0.2	33.0		5.75		TAS		54.2	0.85	m_e mb	5.7
BUG	75.35		P	02:10:54.541	-0.1	33.0		5.75		TAS		48.4	0.94	m_e mb	5.5
CLL	73.53		P	02:10:43.982	-0.3	33.0		5.75		TAS		118.7	0.62	m_e mb	6.1
CLZ	73.99		P	02:10:47.094	0.2	33.0		5.75		TAS		66.4	0.77	m_e mb	5.7
FLT1	73.29		P	02:10:42.426	-0.5	33.0		5.75		TAS		100.8	0.83	m_e mb	6.0
FUR	76.77		P	02:11:03.100	0.2	33.0		5.75		TAS		184.9	1.49	m_e mb	6.0
GEC2	75.31		P	02:10:54.541	0.0	33.0		5.75		TAS		27.2	1.07	m_e mb	5.2
GOR1	72.72		P	02:10:39.758	0.2	33.0		5.75		TAS		113.3	1.33	m_e mb	5.8
GRA1	75.51		P	02:10:56.098	0.4	33.0		5.75		TAS		87.5	0.83	m_e mb	5.9
GTTG	74.38		P	02:10:49.317	0.2	33.0		5.75		TAS		40.4	0.82	m_e mb	5.5
IBBN	74.45		P	02:10:49.317	-0.1	33.0		5.75		TAS		43.3	0.79	m_e mb	5.5
KAST	75.18		P	02:10:53.875	0.1	33.0		5.75		TAS		35.8	0.90	m_e mb	5.4
MOX	74.57		P	02:10:50.207	-0.1	33.0		5.75		TAS		41.4	1.12	m_e mb	5.4
NEUB	74.06		P	02:10:46.983	-0.3	33.0		5.75		TAS		99.2	0.80	m_e mb	5.9
PLN	74.51		P	02:10:49.984	0.1	33.0		5.75		TAS		13.2	1.10	m_e mb	4.9
RUE	72.30		P	02:10:36.868	-0.3	33.0		5.75		TAS		135.3	1.41	m_e mb	5.9
STU	76.99		P	02:11:04.101	-0.1	33.0		5.75		TAS		135.3	1.11	m_e mb	6.0
TANN	74.46		P	02:10:49.873	0.2	33.0		5.75		TAS		31.8	1.18	m_e mb	5.2
TNS	76.01		P	02:10:58.432	-0.1	33.0		5.75		TAS		42.6	1.14	m_e mb	5.5
UBR	77.60		P	02:11:07.351	-0.4	33.0		5.75		TAS		232.8	2.12	m_e mb	5.9
WET	75.37		P	02:10:55.320	0.5	33.0		5.75		TAS		53.8	1.07	m_e mb	5.5
WLF	77.25		P	02:11:05.545	-0.0	33.0		5.75		TAS		69.3	1.23	m_e mb	5.7

Event 20702002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/02	17:10:17.34			45.8270	146.5440				33.0			16		73.75	79.26	m i ke	BGR

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 20702008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.26		P	17:22:17.879		30.2		5.63		TAS		5.6	0.85	m_e mb	4.6
BRG	75.23		P	17:21:55.491	0.1	30.2		5.63		TAS		3.3	0.89	m_e mb	4.4
BSEG	73.75		P	17:21:47.328	0.1	30.2		5.63		TAS		9.6	0.89	m_e mb	4.8
BUG	76.83		P	17:22:04.469	0.1	30.2		5.63		TAS		11.0	0.81	m_e mb	5.0
CLL	75.17		P	17:21:54.992	-0.2	30.2		5.63		TAS		14.4	0.80	m_e mb	5.1
CLZ	75.54		P	17:21:57.763	-0.1	30.2		5.63		TAS		11.9	0.79	m_e mb	5.1
FLT1	74.86		P	17:21:53.107	0.3	30.2		5.63		TAS		13.0	0.82	m_e mb	5.0
GEC2	77.03		P	17:22:05.800		30.2		5.63		TAS		4.7	0.79	m_e mb	4.7
GRA1	77.14		P	17:22:06.797		30.2		5.63		TAS		21.4	0.82	m_e mb	5.3
GTTG	75.93		P	17:21:59.869	-0.3	30.2		5.63		TAS		12.9	0.99	m_e mb	5.0
IBBN	75.92		P	17:21:59.537	-0.5	30.2		5.63		TAS		14.1	0.79	m_e mb	5.2
KAST	76.70		P	17:22:04.026	-0.1	30.2		5.63		TAS		8.5	0.83	m_e mb	4.9
MOX	76.19		P	17:22:01.033	0.4	30.2		5.63		TAS		8.8	1.17	m_e mb	4.8
PLN	76.15		P	17:22:00.811	0.0	30.2		5.63		TAS		1.9	1.02	m_e mb	4.2
TNS	77.55		P	17:22:08.848		30.2		5.63		TAS		7.0	0.78	m_e mb	4.8
WET	77.06		P	17:22:06.298		30.2		5.63		TAS		10.1	0.94	m_e mb	4.9

Event 20702003 Kyrgyzstan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/02	19:32:44.19			40.9620	76.7380				33.0			16		43.53	47.72	m i ke	BGR
OrigID 20702009																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 20702009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	47.72		P	19:41:16.171		74.9		7.92		TAS		8.1	1.11	m_e mb	4.8
BRG	43.53		P	19:40:43.330	0.0	74.9		7.92		TAS		8.9	0.85	m_e mb	4.5
BSEG	45.07		P	19:40:55.493	0.9	74.9		7.92		TAS		27.5	1.10	m_e mb	5.1
CLL	44.02		P	19:40:46.750	-0.2	74.9		7.92		TAS		15.3	0.92	m_e mb	4.7
CLZ	45.49		P	19:40:58.761	-0.3	74.9		7.92		TAS		10.5	0.95	m_e mb	4.8
FLT1	44.86		P	19:40:53.059	0.2	74.9		7.92		TAS		20.5	0.95	m_e mb	5.0
FUR	45.89		P	19:41:02.928		74.9		7.92		TAS		13.7	0.80	m_e mb	5.0
GEC2	44.15		P	19:40:48.826		74.9		7.92		TAS		9.4	0.92	m_e mb	4.5
GRA1	45.51		P	19:40:59.781		74.9		7.92		TAS		26.8	0.91	m_e mb	5.3
GTTG	45.81		P	19:41:01.640	-0.2	74.9		7.92		TAS		47.6	1.04	m_e mb	5.5
MOX	45.02		P	19:40:55.059	0.4	74.9		7.92		TAS		20.4	1.24	m_e mb	4.9
NEUB	44.80		P	19:40:53.140	0.6	74.9		7.92		TAS		25.0	0.91	m_e mb	5.1
PLN	44.73		P	19:40:52.802	0.8	74.9		7.92		TAS		4.8	1.20	m_e mb	4.3
TANN	44.55		P	19:40:51.622	-0.2	74.9		7.92		TAS		10.5	0.99	m_e mb	4.7

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UBR	46.78	P	19:41:08.957	74.9	7.92	TAS	23.4	1.27	m_e	mb	5.2
WET	44.60	P	19:40:52.052	74.9	7.92	TAS	12.9	1.12	m_e	mb	4.8

Event 20702004 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/02	22:02:05.82			39.4430	79.2400				33.0			24		45.97	51.11	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20702010
Ms	4.5		BGR	20702010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	50.28		P	22:10:57.677	-0.2	75.1		7.75		TAS		29.3	1.14	m_e	mb	5.1
BFO	50.16		P	22:10:56.525		75.1		7.75		TAS		38.2	1.04	m_e	mb	5.3
BRG	45.97		P	22:10:23.994	-0.2	75.1		7.75		TAS		39.8	0.96	m_e	mb	5.4
BSEG	47.51		P	22:10:36.385	0.4	75.1		7.75		TAS		69.7	1.16	m_e	mb	5.7
BUG	49.91		P	22:10:54.476	-0.5	75.1		7.75		TAS		84.4	1.38	m_e	mb	5.5
CLL	46.46		P	22:10:27.580	-0.5	75.1		7.75		TAS		53.1	0.89	m_e	mb	5.6
CLZ	47.94		P	22:10:39.363	-0.6	75.1		7.75		TAS		39.1	1.03	m_e	mb	5.5
FLT1	47.31		P	22:10:33.855	0.1	75.1		7.75		TAS		59.8	0.96	m_e	mb	5.7
FUR	48.32		P	22:10:43.461		75.1		7.75		TAS		75.0	0.95	m_e	mb	5.8
GEC2	46.59		P	22:10:29.629	0.9	75.1		7.75		TAS		58.9	1.06	m_e	mb	5.7
GOR1	47.13		P	22:10:33.215	0.2	75.1		7.75		TAS		104.1	1.37	m_e	mb	5.8
GRA1	47.95		P	22:10:40.515	0.0	75.1		7.75		TAS		85.1	0.90	m_e	mb	5.9
GRA1	47.95		L	22:30:40.392						T__		564.1	20.00	a_e	Ms	4.5
GTTG	48.26		P	22:10:42.052	-0.0	75.1		7.75		TAS		103.7	0.95	m_e	mb	5.9
IBBN	49.39		P	22:10:50.633	-0.1	75.1		7.75		TAS		47.7	1.08	m_e	mb	5.5
KAST	49.28		P	22:10:49.865	-0.3	75.1		7.75		TAS		10.9	0.90	m_e	mb	4.9
MOX	47.46		P	22:10:35.648	-0.3	75.1		7.75		TAS		38.9	1.03	m_e	mb	5.5
MOX	47.46		L	22:30:35.842						T__		402.0	21.50	a_e	Ms	4.4
NEUB	47.24		P	22:10:33.727	-0.1	75.1		7.75		TAS		71.7	0.89	m_e	mb	5.8
PLN	47.17		P	22:10:33.471	-0.3	75.1		7.75		TAS		11.7	1.07	m_e	mb	4.9
STU	49.48		P	22:10:51.658	0.2	75.1		7.75		TAS		120.5	1.04	m_e	mb	5.8
TANN	46.99		P	22:10:32.112	0.7	75.1		7.75		TAS		35.8	0.98	m_e	mb	5.5
TNS	49.53		P	22:10:51.786	-0.0	75.1		7.75		TAS		24.2	1.11	m_e	mb	5.0
UBR	49.21		P	22:10:49.609		75.1		7.75		TAS		85.7	1.23	m_e	mb	5.6
WET	47.04		P	22:10:32.703	-0.3	75.1		7.75		TAS		34.1	1.03	m_e	mb	5.4
WLF	51.11		P	22:11:03.991	0.5	75.1		7.75		TAS		59.3	1.06	m_e	mb	5.5

Event 20703001 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/07/03 02:26:18.26 19.4410 94.4020 33.0 18 69.14 74.30 m i ke BGR
 20703007

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 20703007
 Ms 4.5 BGR 20703007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.55		P	02:37:47.813	0.0	82.1		6.07		TAS		30.5	1.23	m_e	mb 5.2
BRG	69.19		P	02:37:21.066	0.1	82.1		6.07		TAS		25.8	1.20	m_e	mb 5.3
BUG	73.26		P	02:37:45.581	0.2	82.1		6.07		TAS		23.7	1.06	m_e	mb 5.2
CLL	69.73		P	02:37:23.857	-0.1	82.1		6.07		TAS		15.6	1.22	m_e	mb 5.0
CLZ	71.29		P	02:37:34.128	-0.1	82.1		6.07		TAS		25.7	1.06	m_e	mb 5.3
FLT1	70.70		P	02:37:29.718	-0.3	82.1		6.07		TAS		23.5	1.33	m_e	mb 5.2
FUR	71.24		P	02:37:33.713		82.1		6.07		TAS		14.8	1.18	m_e	mb 5.0
GEC2	69.55		P	02:37:23.549		82.1		6.07		TAS		15.9	0.99	m_e	mb 5.1
GOR1	70.58		P	02:37:29.760	0.1	82.1		6.07		TAS		51.0	1.17	m_e	mb 5.5
GRA1	71.06		P	02:37:32.880		82.1		6.07		TAS		48.9	1.50	m_e	mb 5.4
GRA1	71.06		L	03:14:34.758						T__		283.6	18.90	a_e	Ms 4.5
MOX	70.68		P	02:37:30.142	0.4	82.1		6.07		TAS		17.7	1.25	m_e	mb 5.0
MOX	70.68		L	03:14:27.104						T__		284.1	19.20	a_e	Ms 4.5
PLN	70.36		P	02:37:28.107	0.2	82.1		6.07		TAS		5.4	1.16	m_e	mb 4.6
RUE	69.14		P	02:37:20.847	-0.5	82.1		6.07		TAS		37.1	0.92	m_e	mb 5.6
TANN	70.17		P	02:37:27.308	0.2	82.1		6.07		TAS		15.1	1.11	m_e	mb 5.0
TNS	72.74		P	02:37:42.738	-0.5	82.1		6.07		TAS		19.8	1.07	m_e	mb 5.2
UBR	72.09		P	02:37:38.194		82.1		6.07		TAS		12.2	1.25	m_e	mb 4.9
WET	70.06		P	02:37:26.441		82.1		6.07		TAS		18.8	1.22	m_e	mb 5.1
WLF	74.30		P	02:37:52.330		82.1		6.07		TAS		57.6	1.22	m_e	mb 5.5

Event 20704003 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/07/04 07:26:35.23 -16.3320 -176.8820 33.0 14 144.01 148.12 m i ke BGR
 20704009

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.63		PKPbc	07:46:09.382	-0.2	14.0		3.18		TAS				m_e	
BFO	147.71		PKPbc	07:46:15.745		14.0		3.18		TAS				m_e	
BRG	144.38		PKPbc	07:46:04.889	0.3	14.0		3.18		TAS				m_e	
CLZ	144.01		PKPbc	07:46:03.888	-0.2	14.0		3.18		TAS				m_e	
GEC2	146.35		PKPbc	07:46:11.738		14.0		3.18		TAS				m_e	
GRA1	145.99		PKPbc	07:46:11.089		14.0		3.18		TAS				m_e	
KAST	144.86		PKPbc	07:46:06.639	0.6	14.0		3.18		TAS				m_e	

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MOX	145.00	PKPbc	07:46:07.070	0.1	14.0	3.18	TAS	m_e
PLN	145.07	PKPbc	07:46:07.543	-0.7	14.0	3.18	TAS	m_e
TANN	145.09	PKPbc	07:46:07.935		14.0	3.18	TAS	m_e
TNS	145.83	PKPbc	07:46:10.292		14.0	3.18	TAS	m_e
UBR	148.12	PKPbc	07:46:16.488		14.0	3.18	TAS	m_e
WET	146.23	PKPbc	07:46:11.505		14.0	3.18	TAS	m_e
WLF	146.57	PKPbc	07:46:13.230		14.0	3.18	TAS	m_e

Event 20705001 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/05	00:27:17.65			9.4320	93.5140				33.0			20		76.17	81.18	m i ke	BGR
OrigID 20705007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20705007
Ms	4.8		BGR	20705007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.23		P	00:39:13.421	0.2	89.7		5.56		TAS		55.1	1.96	m_e mb	5.3
BFO	79.84		P	00:39:22.069		89.7		5.56		TAS		16.9	1.36	m_e mb	4.8
BRG	76.17		P	00:39:02.209	0.0	89.7		5.56		TAS		12.1	1.11	m_e mb	4.9
BSEG	78.43		P	00:39:14.817	0.1	89.7		5.56		TAS		55.1	1.54	m_e mb	5.5
BUG	80.36		P	00:39:25.650	-0.4	89.7		5.56		TAS		60.2	1.51	m_e mb	5.3
CLL	76.77		P	00:39:05.185	-0.0	89.7		5.56		TAS		17.2	1.36	m_e mb	5.0
CLZ	78.41		P	00:39:14.907	0.1	89.7		5.56		TAS		53.2	1.73	m_e mb	5.4
GEC2	76.27		P	00:39:02.928		89.7		5.56		TAS		12.6	0.97	m_e mb	5.0
GOR1	77.84		P	00:39:11.457	-0.0	89.7		5.56		TAS		44.3	1.42	m_e mb	5.4
GRA1	77.90		P	00:39:12.314	-0.1	89.7		5.56		TAS		32.2	1.42	m_e mb	5.2
GRA1	77.90		L	01:18:22.168						T__		411.3	21.80	a_e Ms	4.7
GTTG	78.67		P	00:39:16.232	0.1	89.7		5.56		TAS		31.3	1.33	m_e mb	5.2
IBBN	80.01		P	00:39:23.631	0.0	89.7		5.56		TAS		50.6	1.41	m_e mb	5.3
MOX	77.64		P	00:39:10.467	0.0	89.7		5.56		TAS				m_e	
MOX	77.64		L	01:20:26.657						T__		496.5	20.40	a_e Ms	4.8
PLN	77.29		P	00:39:08.600	0.5	89.7		5.56		TAS		16.9	2.18	m_e mb	4.8
RUE	76.33		P	00:39:02.954	-0.1	89.7		5.56		TAS		31.2	1.14	m_e mb	5.3
TANN	77.10		P	00:39:07.464	0.2	89.7		5.56		TAS		14.7	1.41	m_e mb	4.9
TNS	79.67		P	00:39:21.776	0.1	89.7		5.56		TAS		18.7	1.38	m_e mb	4.8
UBR	78.67		P	00:39:16.018		89.7		5.56		TAS		9.4	0.91	m_e mb	4.8
WET	76.81		P	00:39:06.043		89.7		5.56		TAS		15.9	1.31	m_e mb	5.0
WLF	81.18		P	00:39:30.322	-0.6	89.7		5.56		TAS		31.7	1.39	m_e mb	5.2

Event 20705006 Fiji Islands region

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/05	14:51:39.00			-20.3250	-177.2970				486.9			13		146.64	151.97	m i ke	USGS
OrigID 20705024																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.57		PKP	15:10:29.064	-0.0	16.1		2.37		TAS				m_e	
BFO	151.60		PKP	15:10:38.588		16.1		2.37		TAS				m_e	
BRG	148.17		PKP	15:10:30.651	-0.1	16.1		2.37		TAS				m_e	
CLL	147.96		PKP	15:10:30.185	0.2	16.1		2.37		TAS				m_e	
CLZ	147.89		PKP	15:10:30.278	0.3	16.1		2.37		TAS				m_e	
FLT1	147.29		PKP	15:10:27.850	0.3	16.1		2.37		TAS				m_e	
GEC2	150.13		PKP	15:10:35.226		16.1		2.37		TAS				m_e	
GOR1	146.64		PKP	15:10:26.543	-0.0	16.1		2.37		TAS				m_e	
KAST	148.77		PKP	15:10:32.239	0.3	16.1		2.37		TAS				m_e	
MOX	148.85		PKP	15:10:32.425	-0.4	16.1		2.37		TAS				m_e	
PLN	148.90		PKP	15:10:32.519		16.1		2.37		TAS				m_e	
UBR	151.97		PKP	15:10:39.148		16.1		2.37		TAS				m_e	
WET	150.03		PKP	15:10:35.413		16.1		2.37		TAS				m_e	

Event 20705007 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/05	20:10:19.20			38.5000	143.5000				33.0			20		79.38	84.71	m i ke	BGR
OrigID 20705013																	

Magnitude	Err	Nsta	Author	OrigID
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mb	5.1		BGR	20705013
Ms	4.7		BGR	20705013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BEAM			P	20:22:38.193		35.9		5.23		TAS		4.0	1.05	m_e mb	4.6
BFO	84.71		P	20:22:49.788		35.9		5.23		TAS		19.3	0.76	m_e mb	5.4
BRG	80.52		P	20:22:28.047	-0.1	35.9		5.23		TAS		11.5	0.66	m_e mb	5.0
BSEG	79.38		P	20:22:22.353	0.2	35.9		5.23		TAS		23.6	0.77	m_e mb	5.3
CLL	80.53		P	20:22:27.737	-0.0	35.9		5.23		TAS		22.9	0.69	m_e mb	5.3
CLZ	81.07		P	20:22:31.153	0.1	35.9		5.23		TAS		21.0	0.75	m_e mb	5.2
FLT1	80.36		P	20:22:26.908	-0.4	35.9		5.23		TAS		28.2	0.68	m_e mb	5.3
FUR	83.73		P	20:22:45.129		35.9		5.23		TAS		30.8	0.70	m_e mb	5.6
GEC2	82.22		P	20:22:36.951	-0.4	35.9		5.23		TAS		6.9	0.74	m_e mb	4.9
GRA1	82.51		P	20:22:39.228	-0.3	35.9		5.23		TAS		25.6	0.76	m_e mb	5.5
GRA1	82.51		L	21:02:23.839						T_		304.5	18.90	a_e Ms	4.7
GTTG	81.46		P	20:22:33.120	0.1	35.9		5.23		TAS		15.2	0.71	m_e mb	5.2
IBBN	81.60		P	20:22:33.638	-0.1	35.9		5.23		TAS		24.7	0.67	m_e mb	5.5

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KAST	82.29	P	20:22:37.365	-0.0	35.9	5.23	TAS	70.5	2.22	m_e	mb	5.4
MOX	81.59	P	20:22:33.638	-0.1	35.9	5.23	TAS	7.9	0.77	m_e	mb	4.9
MOX	81.59	L	21:03:02.309				T__	284.8	18.60	a_e	Ms	4.7
NEUB	81.08	P	20:22:31.050	-0.1	35.9	5.23	TAS	21.6	0.80	m_e	mb	5.2
PLN	81.51	P	20:22:33.224	0.3	35.9	5.23	TAS	1.9	0.76	m_e	mb	4.3
TANN	81.45	P	20:22:33.017	0.7	35.9	5.23	TAS	4.5	0.76	m_e	mb	4.7
TNS	83.09	P	20:22:41.920	0.3	35.9	5.23	TAS	10.0	0.81	m_e	mb	5.1
UBR	84.58	P	20:22:48.920		35.9	5.23	TAS	7.7	0.98	m_e	mb	4.9
WET	82.31	P	20:22:37.779	0.2	35.9	5.23	TAS	7.6	0.90	m_e	mb	4.8

Event 20705008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/05	21:56:24.00			-18.1730	-178.1130				609.7			26		143.63	149.72	m i ke	USGS
	20705026																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.35		PKPbc	22:15:00.682	-0.1	16.8		2.75		TAS				m_e	
ASSE	145.33		PKPbc	22:14:55.247	0.1	16.8		2.75		TAS				m_e	
BFO	149.38		PKPbc	22:15:05.897	-0.4	16.8		2.75		TAS				m_e	
BRG	145.91		PKPbc	22:14:57.194	0.2	16.8		2.75		TAS				m_e	
BSEG	143.63		PKPbc	22:14:49.569	-0.9	16.8		2.75		TAS				m_e	
BUG	146.44		PKPbc	22:14:58.173	-0.1	16.8		2.75		TAS				m_e	
CLL	145.70		PKPbc	22:14:56.382	0.1	16.8		2.75		TAS				m_e	
CLZ	145.65		PKPbc	22:14:56.545	0.5	16.8		2.75		TAS				m_e	
FLT1	145.05		PKPbc	22:14:54.111	-0.2	16.8		2.75		TAS				m_e	
FUR	149.04		PKPbc	22:15:05.218	-0.2	16.8		2.75		TAS				m_e	
GEC2	147.86		PKPbc	22:15:02.223	-0.2	16.8		2.75		TAS				m_e	
GOR1	144.40		PKPbc	22:14:52.489	-0.1	16.8		2.75		TAS				m_e	
GRA1	147.59		PKPbc	22:15:01.817	0.4	16.8		2.75		TAS				m_e	
GTTG	146.00		PKPbc	22:14:57.356	0.4	16.8		2.75		TAS				m_e	
IBBN	145.54		PKPbc	22:14:55.815	0.1	16.8		2.75		TAS				m_e	
KAST	146.55		PKPbc	22:14:58.654	0.1	16.8		2.75		TAS				m_e	
MOX	146.60		PKPbc	22:14:58.897	0.2	16.8		2.75		TAS				m_e	
NEUB	146.04		PKPbc	22:14:57.356	0.2	16.8		2.75		TAS				m_e	
PLN	146.65		PKPbc	22:14:59.140	0.3	16.8		2.75		TAS				m_e	
RUE	144.44		PKPbc	22:14:52.489	-0.3	16.8		2.75		TAS				m_e	
STU	148.82		PKPbc	22:15:04.869	0.1	16.8		2.75		TAS				m_e	
TANN	146.66		PKPbc	22:14:59.140	0.2	16.8		2.75		TAS				m_e	
TNS	147.50		PKPbc	22:15:01.168	0.0	16.8		2.75		TAS				m_e	
UBR	149.72		PKPbc	22:15:06.690	-0.6	16.8		2.75		TAS				m_e	
WET	147.77		PKPbc	22:15:02.100	0.0	16.8		2.75		TAS				m_e	
WLF	148.30		PKPbc	22:15:03.683	0.2	16.8		2.75		TAS				m_e	

Event 20706005 Off coast of southern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/06	15:12:28.00			-42.2960	-75.3570				10.0				22	116.06	122.39	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	20706011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	119.81		PKiKP	15:31:19.160	0.3	238.5		1.66		TAS				m_e	
BFO	116.48		PKiKP	15:31:13.820	0.4	238.5		1.66		TAS				m_e	
BRG	120.92		PKiKP	15:31:21.034	0.3	238.5		1.66		TAS				m_e	
BSEG	120.56		PKiKP	15:31:20.440	0.2	238.5		1.66		TAS				m_e	
BUG	117.66		PKiKP	15:31:15.162	-0.2	238.5		1.66		TAS				m_e	
CLL	120.62		PKiKP	15:31:20.440	0.2	238.5		1.66		TAS				m_e	
CLZ	119.50		PKiKP	15:31:18.657	0.3	238.5		1.66		TAS				m_e	
FLT1	120.21		PKiKP	15:31:19.252	-0.3	238.5		1.66		TAS				m_e	
GEC2	119.75		PKiKP	15:31:18.474	-0.4	238.5		1.66		TAS				m_e	
GRA1	118.81		PKiKP	15:31:17.377	0.1	238.5		1.66		TAS				m_e	
GRA1	118.81		L	16:20:50.222		238.5		1.66		TAS		539.9	19.90	a_e Ms	5.2
GTTG	119.12		PKiKP	15:31:17.971	0.2	238.5		1.66		TAS				m_e	
KAST	118.12		PKiKP	15:31:16.143	0.0	238.5		1.66		TAS				m_e	
MOX	119.53		PKiKP	15:31:18.428	-0.0	238.5		1.66		TAS				m_e	
MOX	119.53		L	16:21:05.330		238.5		1.66		TAS		547.7	19.80	a_e Ms	5.2
NEUB	119.90		PKiKP	15:31:19.223	0.2	238.5		1.66		TAS				m_e	
PLN	119.74		PKiKP	15:31:18.855	0.1	238.5		1.66		TAS				m_e	
RGN	122.39		PKiKP	15:31:22.711	-0.5	238.5		1.66		TAS				m_e	
STU	117.20		PKiKP	15:31:15.259	0.7	238.5		1.66		TAS				m_e	
TANN	119.87		PKiKP	15:31:19.205	0.2	238.5		1.66		TAS				m_e	
TNS	117.60		PKiKP	15:31:14.875	-0.4	238.5		1.66		TAS				m_e	
UBR	117.10		PKiKP	15:31:13.989	-0.5	238.5		1.66		TAS				m_e	
WET	119.44		PKiKP	15:31:18.017	-0.3	238.5		1.66		TAS				m_e	
WLF	116.06		PKiKP	15:31:12.208	-0.5	238.5		1.66		TAS				m_e	

Event 20707003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/07	10:28:07.10			-19.1100	-177.8500				33.0				14	144.59	150.69	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.33		PKPbc	10:47:55.514		16.6		2.72		TAS				m_e	
BRG	146.88		PKPbc	10:47:46.609	0.5	16.6		2.72		TAS				m_e	
BSEG	144.59		PKPbc	10:47:39.646	-0.7	16.6		2.72		TAS				m_e	
CLL	146.66		PKPbc	10:47:45.961	0.3	16.6		2.72		TAS				m_e	
CLZ	146.62		PKPbc	10:47:46.123	0.2	16.6		2.72		TAS				m_e	
FLT1	146.01		PKPbc	10:47:43.694	0.1	16.6		2.72		TAS				m_e	
GEC2	148.83		PKPbc	10:47:51.790		16.6		2.72		TAS				m_e	
KAST	147.51		PKPbc	10:47:48.471	0.2	16.6		2.72		TAS				m_e	
MOX	147.56		PKPbc	10:47:48.471	-0.1	16.6		2.72		TAS				m_e	
PLN	147.61		PKPbc	10:47:48.714	-0.4	16.6		2.72		TAS				m_e	
TANN	147.62		PKPbc	10:47:48.795	-0.6	16.6		2.72		TAS				m_e	
TNS	148.46		PKPbc	10:47:51.061		16.6		2.72		TAS				m_e	
UBR	150.69		PKPbc	10:47:56.243		16.6		2.72		TAS				m_e	
WLF	149.25		PKPbc	10:47:53.814		16.6		2.72		TAS				m_e	

Event 20708001 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/08	01:14:06.90			70.6730	-5.9230				33.0			16		18.27	23.75	m i ke	BGR
OrigID 20708007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	20708007
Ms	3.2		BGR	20708007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	23.39		P	01:19:11.361		345.2		10.42		TAS		28.8	1.60	m_e mb	4.6
BRG	21.86		P	01:18:54.168		345.2		10.42		TAS		9.6	1.37	m_e mb	4.0
BSEG	18.27		P	01:18:16.416	0.0	345.2		10.42		TAS		49.5	1.11	m_e mb	4.5
CLL	21.26		P	01:18:50.311	-0.1	345.2		10.42		TAS		52.9	1.65	m_e mb	4.6
CLZ	20.29		P	01:18:41.192	-1.5	345.2		10.42		TAS		27.4	1.31	m_e mb	4.3
FLT1	19.96		P	01:18:36.418	0.8	345.2		10.42		TAS		31.2	1.04	m_e mb	4.5
GEC2	23.75		P	01:19:15.454		345.2		10.42		TAS		5.6	1.02	m_e mb	4.0
GRA1	22.50		P	01:19:03.586		345.2		10.42		TAS		19.8	1.31	m_e mb	4.5
GRA1	22.50		L	01:26:42.430						T__		110.2	21.80	a_e Ms	3.2
GTTG	20.50		P	01:18:43.733	-1.2	345.2		10.42		TAS		165.6	2.60	m_e mb	4.9
MOX	21.65		P	01:18:52.553		345.2		10.42		TAS		79.2	2.18	m_e mb	4.8
MOX	21.65		L	01:26:29.102						T__		88.4	20.30	a_e Ms	3.2
NEUB	21.15		P	01:18:49.882	0.1	345.2		10.42		TAS		38.2	1.14	m_e mb	4.6
PLN	21.90		P	01:18:55.147		345.2		10.42		TAS		4.0	0.70	m_e mb	4.0
RUE	20.30		P	01:18:40.787	-1.4	345.2		10.42		TAS		66.3	1.42	m_e mb	4.7
TANN	22.02		P	01:18:57.407		345.2		10.42		TAS		30.5	1.61	m_e mb	4.5
TNS	21.56		P	01:18:52.280	-0.2	345.2		10.42		TAS		11.8	0.96	m_e mb	4.3
WET	23.32		P	01:19:11.182		345.2		10.42		TAS		10.7	0.98	m_e mb	4.3

Event 20708003 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/08	16:55:14.00			18.8000	147.0400				10.0					101.32	101.32	m i ke	USGS
OrigID 20708021																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	20708009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.32		SS	17:28:02.685						T__				m_e	
GRA1	101.32		PP	17:13:17.397						T__				m_e	
GRA1	101.32		L	17:58:53.285						T__		1309.6	19.20	a_e Ms	5.5

Event 20708004 South of Jawa, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/08	20:27:07.00			-9.5510	112.8920				29.8					104.80	104.80	m i ke	USGS
OrigID 20708022																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	20708010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	104.80		SS	21:00:34.298						T__				m_e	
GRA1	104.80		PP	20:45:31.610						T__				m_e	

Event 20708005 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/08	21:04:36.22			10.0480	95.6330				33.0					78.81	78.81	m i ke	BGR
OrigID 20708011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20708011
Ms	4.8		BGR	20708011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.81		P	21:16:35.882		100.2		4.62		TAS		30.6	2.04	m_e mb	5.0
GRA1	78.81		L	21:51:17.031						T__		447.5	19.00	a_e Ms	4.8

Event 20708006 Mariana Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/08	23:36:07.00		18.9310	146.9500				10.0				18		98.03	103.44	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0		BGR	20708012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	102.24		Pdiff	23:50:08.843	-0.3	42.2		4.56		TAS				m_e	
AHRW	102.24		PP	23:54:21.650		41.4		7.60		TAS				m_e	
BFO	103.44		Pdiff	23:50:13.854		42.2		4.56		TAS				m_e	
BRG	99.10		Pdiff	23:49:54.366	-0.3	42.2		4.56		TAS				m_e	
BRG	99.10		PP	23:53:57.897	-0.6	41.4		7.60		TAS				m_e	
BSEG	98.35		Pdiff	23:49:51.091	0.2	42.2		4.56		TAS				m_e	
BSEG	98.35		PP	23:53:52.219	0.0	41.4		7.60		TAS				m_e	
BUG	101.46		Pdiff	23:50:04.817	0.2	42.2		4.56		TAS				m_e	
BUG	101.46		PP	23:54:14.878		41.4		7.60		TAS				m_e	
CLL	99.20		Pdiff	23:49:54.543	0.2	42.2		4.56		TAS				m_e	
CLL	99.20		PP	23:53:58.134	0.1	41.4		7.60		TAS				m_e	
CLZ	99.91		Pdiff	23:49:58.326	0.0	42.2		4.56		TAS				m_e	
CLZ	99.91		PP	23:54:04.741	0.7	41.4		7.60		TAS				m_e	
FLT1	99.19		Pdiff	23:49:54.332	-0.0	42.2		4.56		TAS				m_e	
FLT1	99.19		PP	23:53:57.844	0.9	41.4		7.60		TAS				m_e	
FUR	102.27		Pdiff	23:50:09.048	0.4	42.2		4.56		TAS				m_e	
GEC2	100.67		Pdiff	23:50:01.243	-0.1	42.2		4.56		TAS				m_e	
GEC2	100.67		PP	23:54:09.949	-0.4	41.4		7.60		TAS				m_e	
GOR1	98.67		Pdiff	23:49:52.616	-0.0	42.2		4.56		TAS				m_e	
GRA1	101.16		SS	00:08:18.842						T__				m_e	
GRA1	101.16		Pdiff	23:50:04.167	0.1	42.2		4.56		TAS				m_e	
GRA1	101.16		L	00:46:31.965						T__		4385.4	18.90	a_e Ms	6.0
GTTG	100.30		Pdiff	23:49:59.928	0.2	42.2		4.56		TAS				m_e	
GTTG	100.30		PP	23:54:07.529	0.4	41.4		7.60		TAS				m_e	
IBBN	100.59		Pdiff	23:50:01.167	0.4	42.2		4.56		TAS				m_e	
IBBN	100.59		PP	23:54:08.834	-0.7	41.4		7.60		TAS				m_e	
KAST	101.19		Pdiff	23:50:03.867	0.1	42.2		4.56		TAS				m_e	
KAST	101.19		PP	23:54:13.895		41.4		7.60		TAS				m_e	
MOX	100.28		Pdiff	23:49:59.788	-0.3	42.2		4.56		TAS				m_e	
MOX	100.28		PP	23:54:06.631	0.4	41.4		7.60		TAS				m_e	
NEUB	99.81		Pdiff	23:49:57.581	0.2	42.2		4.56		TAS				m_e	
NEUB	99.81		PP	23:54:02.582	-0.1	41.4		7.60		TAS				m_e	
PLN	100.17		Pdiff	23:49:59.388	-0.1	42.2		4.56		TAS				m_e	
PLN	100.17		PP	23:54:05.824	0.0	41.4		7.60		TAS				m_e	
RUE	98.03		Pdiff	23:49:49.579	0.1	42.2		4.56		TAS				m_e	

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RUE	98.03	PP	23:53:49.445	0.3	41.4	7.60	TAS	m_e
STU	102.73	Pdiff	23:50:10.888	-0.3	42.2	4.56	TAS	m_e
TANN	100.09	Pdiff	23:49:58.907	0.1	42.2	4.56	TAS	m_e
TANN	100.09	PP	23:54:05.443	-0.1	41.4	7.60	TAS	m_e
TNS	101.93	Pdiff	23:50:07.421	-0.0	42.2	4.56	TAS	m_e
TNS	101.93	PP	23:54:18.824		41.4	7.60	TAS	m_e
UBR	103.15	Pdiff	23:50:12.510		42.2	4.56	TAS	m_e
WET	100.82	Pdiff	23:50:02.391	-0.4	42.2	4.56	TAS	m_e
WET	100.82	PP	23:54:11.495	0.1	41.4	7.60	TAS	m_e
WLF	103.30	Pdiff	23:50:13.928		42.2	4.56	TAS	m_e

Event 20709003 Mariana Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/08	23:43:30.00			18.8610	146.9770				10.0					101.23	101.23	m i ke	USGS
OrigID 20709021																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.23		SS	00:16:16.132						T__					m_e
GRA1	101.23		PP	00:01:32.935						T__					m_e

Event 20709004 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/09	07:39:57.48			-28.1470	-177.9960				33.0				23	153.44	159.18	m i ke	BGR
OrigID 20709010																	

Magnitude Err Nsta Author OrigID
Ms 5.4 BGR 20709010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	157.22		PKPdf	07:59:51.023		21.5		1.32		TAS					m_e
AHRW	157.22		PKPab	08:00:22.547	0.1	15.7		4.35		TAS					m_e
BFO	159.18		PKPab	08:00:31.117		15.7		4.35		TAS					m_e
BRG	155.50		PKPdf	07:59:49.170	-0.0	21.5		1.32		TAS					m_e
BRG	155.50		PKPbc	07:59:59.275		15.5		2.17		TAS					m_e
BRG	155.50		PKPab	08:00:16.035	0.1	15.7		4.35		TAS					m_e
BSEG	153.44		PKPbc	07:59:54.399	-0.2	15.5		2.17		TAS					m_e
BSEG	153.44		PKPab	08:00:06.615	-0.0	15.7		4.35		TAS					m_e
BUG	156.31		PKPdf	07:59:50.809	0.3	21.5		1.32		TAS					m_e
BUG	156.31		PKPbc	08:00:00.063	0.1	15.5		2.17		TAS					m_e

BUG	156.31	PKPab	08:00:18.398	-0.3	15.7	4.35	TAS						m_e
CLL	155.36	PKPdf	07:59:48.645	-0.3	21.5	1.32	TAS						m_e
CLL	155.36	PKPbc	07:59:58.660	0.3	15.5	2.17	TAS						m_e
CLL	155.36	PKPab	08:00:14.999	-0.0	15.7	4.35	TAS						m_e
CLZ	155.44	PKPdf	07:59:49.121	-0.5	21.5	1.32	TAS						m_e
CLZ	155.44	PKPbc	07:59:58.946	0.0	15.5	2.17	TAS						m_e
CLZ	155.44	PKPab	08:00:15.482	-0.1	15.7	4.35	TAS						m_e
FLT1	154.80	PKPdf	07:59:47.866	0.0	21.5	1.32	TAS						m_e
FLT1	154.80	PKPbc	07:59:57.145	-0.0	15.5	2.17	TAS						m_e
FLT1	154.80	PKPab	08:00:12.269	-0.3	15.7	4.35	TAS						m_e
FUR	158.69	PKPab	08:00:30.104		15.7	4.35	TAS						m_e
GEC2	157.39	PKPdf	07:59:51.448		21.5	1.32	TAS						m_e
GEC2	157.39	PKPbc	08:00:03.445		15.5	2.17	TAS						m_e
GEC2	157.39	PKPab	08:00:24.676		15.7	4.35	TAS						m_e
GRA1	157.29	PKPdf	07:59:51.420		21.5	1.32	TAS						m_e
GRA1	157.29	PKPab	08:00:23.982	-0.2	15.7	4.35	TAS						m_e
GRA1	157.29	L	09:14:54.318				T__	670.6	20.00	a_e	Ms	5.5	
GTTG	155.80	PKPab	08:00:16.847	-0.1	15.7	4.35	TAS						m_e
IBBN	155.41	PKPbc	07:59:58.312	-0.1	15.5	2.17	TAS						m_e
IBBN	155.41	PKPab	08:00:14.778	-0.4	15.7	4.35	TAS						m_e
KAST	156.39	PKPdf	07:59:50.066	0.3	21.5	1.32	TAS						m_e
KAST	156.39	PKPbc	08:00:00.607	0.1	15.5	2.17	TAS						m_e
KAST	156.39	PKPab	08:00:18.948	-0.2	15.7	4.35	TAS						m_e
MOX	156.30	PKPdf	07:59:50.098	-0.1	21.5	1.32	TAS						m_e
MOX	156.30	PKPbc	08:00:00.691		15.5	2.17	TAS						m_e
MOX	156.30	PKPab	08:00:19.173	0.0	15.7	4.35	TAS						m_e
MOX	156.30	L	09:10:44.229				T__	545.6	21.20	a_e	Ms	5.3	
NEUB	155.76	PKPdf	07:59:49.338	0.1	21.5	1.32	TAS						m_e
NEUB	155.76	PKPab	08:00:16.717	0.1	15.7	4.35	TAS						m_e
PLN	156.32	PKPdf	07:59:50.126		21.5	1.32	TAS						m_e
PLN	156.32	PKPab	08:00:19.510	0.5	15.7	4.35	TAS						m_e
RUE	154.09	PKPbc	07:59:56.054	-0.4	15.5	2.17	TAS						m_e
RUE	154.09	PKPab	08:00:09.853	0.2	15.7	4.35	TAS						m_e
STU	158.59	PKPab	08:00:28.937		15.7	4.35	TAS						m_e
TANN	156.31	PKPdf	07:59:50.381		21.5	1.32	TAS						m_e
TANN	156.31	PKPbc	08:00:00.884		15.5	2.17	TAS						m_e
TANN	156.31	PKPab	08:00:19.611	0.2	15.7	4.35	TAS						m_e
TNS	157.33	PKPdf	07:59:51.223		21.5	1.32	TAS						m_e
TNS	157.33	PKPab	08:00:23.267	-0.3	15.7	4.35	TAS						m_e
WET	157.36	PKPdf	07:59:51.450		21.5	1.32	TAS						m_e
WET	157.36	PKPbc	08:00:03.391		15.5	2.17	TAS						m_e
WET	157.36	PKPab	08:00:24.649	0.2	15.7	4.35	TAS						m_e
WLF	158.19	PKPdf	07:59:53.157		21.5	1.32	TAS						m_e
WLF	158.19	PKPbc	08:00:04.834		15.5	2.17	TAS						m_e
WLF	158.19	PKPab	08:00:27.114	0.1	15.7	4.35	TAS						m_e

Event 20709005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/09	11:13:11.84			-18.1190	-174.6530				247.8			23		145.00	150.17	m i ke	BGR
OrigID 20709011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.53		PKPbc	11:32:26.041	-0.1	10.6		2.84		TAS					m_e
BFO	149.67		PKPbc	11:32:31.623		10.6		2.84		TAS					m_e
BRG	146.52		PKPbc	11:32:23.187	0.3	10.6		2.84		TAS					m_e
BUG	146.62		PKPbc	11:32:23.267	-0.1	10.6		2.84		TAS					m_e
CLL	146.24		PKPbc	11:32:22.155	0.1	10.6		2.84		TAS					m_e
CLZ	146.03		PKPbc	11:32:21.950	-0.3	10.6		2.84		TAS					m_e
FLT1	145.46		PKPbc	11:32:19.406	0.0	10.6		2.84		TAS					m_e
FUR	149.55		PKPbc	11:32:31.467		10.6		2.84		TAS					m_e
GEC2	148.52		PKPbc	11:32:28.718		10.6		2.84		TAS					m_e
GRA1	148.06		PKPbc	11:32:27.849	-0.1	10.6		2.84		TAS					m_e
GTTG	146.35		PKPbc	11:32:22.885	0.2	10.6		2.84		TAS					m_e
IBBN	145.74		PKPbc	11:32:20.906	0.1	10.6		2.84		TAS					m_e
KAST	146.81		PKPbc	11:32:24.027	0.2	10.6		2.84		TAS					m_e
MOX	147.07		PKPbc	11:32:24.788	0.5	10.6		2.84		TAS					m_e
MOX	147.07		pPKPbc	11:33:27.069						T__					m_e
NEUB	146.52		PKPbc	11:32:22.965	0.3	10.6		2.84		TAS					m_e
PLN	147.16		PKPbc	11:32:25.058	0.1	10.6		2.84		TAS					m_e
RUE	145.00		PKPbc	11:32:17.919	-0.0	10.6		2.84		TAS					m_e
STU	149.17		PKPbc	11:32:30.546		10.6		2.84		TAS					m_e
TANN	147.19		PKPbc	11:32:25.190	0.3	10.6		2.84		TAS					m_e
TNS	147.78		PKPbc	11:32:26.906	-0.0	10.6		2.84		TAS					m_e
UBR	150.17		PKPbc	11:32:32.797		10.6		2.84		TAS					m_e
WET	148.37		PKPbc	11:32:28.412	-0.4	10.6		2.84		TAS					m_e
WLF	148.43		PKPbc	11:32:29.084	-0.5	10.6		2.84		TAS					m_e

Event 20710001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/10	03:21:43.42			-22.8970	-178.8440				600.0			23		148.16	154.17	m i ke	BGR
OrigID 20710007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.90		PKPbc	03:40:35.876		20.1		2.27		TAS					m_e
BFO	153.90		PKPab	03:40:50.431		19.8		4.23		TAS					m_e
BRG	150.28		PKPbc	03:40:27.961	0.2	20.1		2.27		TAS					a_e

BRG	150.28	PKPab	03:40:35.016		19.8	4.23	TAS	m_e
BSEG	148.16	PKPbc	03:40:22.752	-0.2	20.1	2.27	TAS	m_e
BSEG	148.16	PKPab	03:40:26.559	-0.3	19.8	4.23	TAS	m_e
BUG	151.03	PKPbc	03:40:29.661	0.2	20.1	2.27	TAS	a_e
CLL	150.11	PKPbc	03:40:27.411	0.1	20.1	2.27	TAS	a_e
CLL	150.11	PKPab	03:40:34.122	-0.1	19.8	4.23	TAS	m_e
CLZ	150.16	PKPbc	03:40:28.036	-0.0	20.1	2.27	TAS	m_e
FLT1	149.53	PKPbc	03:40:25.864	-0.2	20.1	2.27	TAS	m_e
FLT1	149.53	PKPab	03:40:31.636	-0.0	19.8	4.23	TAS	m_e
FUR	153.45	PKPbc	03:40:34.933		20.1	2.27	TAS	m_e
FUR	153.45	PKPab	03:40:48.920		19.8	4.23	TAS	m_e
GEC2	152.19	PKPbc	03:40:32.111		20.1	2.27	TAS	a_e
GOR1	148.89	PKPbc	03:40:24.601	-0.0	20.1	2.27	TAS	m_e
GOR1	148.89	PKPab	03:40:29.570	-0.3	19.8	4.23	TAS	m_e
GRA1	152.03	PKPbc	03:40:31.695	-0.1	20.1	2.27	TAS	m_e
GTTG	150.52	PKPbc	03:40:28.711	0.2	20.1	2.27	TAS	a_e
IBBN	150.12	PKPbc	03:40:27.755	0.3	20.1	2.27	TAS	m_e
KAST	151.10	PKPbc	03:40:30.060	0.1	20.1	2.27	TAS	m_e
MOX	151.05	PKPbc	03:40:29.711	0.2	20.1	2.27	TAS	a_e
MOX	151.05	PKPab	03:40:38.295		19.8	4.23	TAS	m_e
NEUB	150.50	PKPbc	03:40:28.511	0.2	20.1	2.27	TAS	a_e
NEUB	150.50	PKPab	03:40:36.004	0.4	19.8	4.23	TAS	m_e
PLN	151.07	PKPbc	03:40:29.811	-0.0	20.1	2.27	TAS	m_e
PLN	151.07	PKPab	03:40:38.434		19.8	4.23	TAS	m_e
RUE	148.85	PKPbc	03:40:24.337	0.4	20.1	2.27	TAS	m_e
STU	153.32	PKPbc	03:40:34.876		20.1	2.27	TAS	m_e
STU	153.32	PKPab	03:40:47.940		19.8	4.23	TAS	m_e
TANN	151.07	PKPbc	03:40:29.861	-0.2	20.1	2.27	TAS	a_e
TANN	151.07	PKPab	03:40:38.500		19.8	4.23	TAS	m_e
TNS	152.05	PKPbc	03:40:32.214	0.1	20.1	2.27	TAS	m_e
TNS	152.05	PKPab	03:40:42.724		19.8	4.23	TAS	m_e
UBR	154.17	PKPbc	03:40:36.444		20.1	2.27	TAS	m_e
WET	152.14	PKPbc	03:40:32.076	-0.2	20.1	2.27	TAS	m_e
WET	152.14	PKPab	03:40:43.234		19.8	4.23	TAS	m_e

Event 20710002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/10	14:04:36.90			46.0090	150.0270				33.0			19		75.74	80.20	m i ke	BGR
20710008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20710008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.51		P	14:16:33.544	-0.3	27.9		5.56		TAS		13.2	1.15	m_e mb	4.9

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BFO	80.15	P	14:16:42.231		27.9	5.56	TAS	5.7	0.90	m_e	mb	4.5
BRG	76.20	P	14:16:20.363	0.6	27.9	5.56	TAS	10.2	1.31	m_e	mb	4.8
CLL	76.11	P	14:16:19.735	0.1	27.9	5.56	TAS	14.3	0.96	m_e	mb	5.1
CLZ	76.42	P	14:16:22.145	0.1	27.9	5.56	TAS	15.1	1.28	m_e	mb	5.0
FLT1	75.74	P	14:16:17.443	0.0	27.9	5.56	TAS	7.3	0.79	m_e	mb	4.9
GEC2	78.04	P	14:16:30.932		27.9	5.56	TAS	3.6	0.67	m_e	mb	4.6
GRA1	78.07	P	14:16:31.564		27.9	5.56	TAS	12.4	0.73	m_e	mb	5.1
GTTG	76.80	P	14:16:24.144	0.0	27.9	5.56	TAS	6.1	0.96	m_e	mb	4.7
IBBN	76.73	P	14:16:23.478	-0.2	27.9	5.56	TAS	11.3	0.74	m_e	mb	5.1
KAST	77.54	P	14:16:28.224	-0.0	27.9	5.56	TAS	4.5	0.79	m_e	mb	4.7
MOX	77.11	P	14:16:25.701	0.1	27.9	5.56	TAS	5.7	1.10	m_e	mb	4.6
PLN	77.09	P	14:16:25.574	-0.3	27.9	5.56	TAS	1.0	0.71	m_e	mb	4.0
STU	79.50	P	14:16:38.707		27.9	5.56	TAS	20.0	0.86	m_e	mb	5.1
TANN	77.06	P	14:16:25.305	-0.3	27.9	5.56	TAS	1.8	0.87	m_e	mb	4.2
TNS	78.41	P	14:16:33.044		27.9	5.56	TAS	6.5	0.67	m_e	mb	4.8
UBR	80.20	P	14:16:42.546		27.9	5.56	TAS	5.0	0.92	m_e	mb	4.4
WET	78.04	P	14:16:31.422		27.9	5.56	TAS	9.5	1.02	m_e	mb	4.9
WLF	79.55	P	14:16:39.199		27.9	5.56	TAS	9.5	1.30	m_e	mb	4.6

Event 20710003 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/10	22:10:51.96			-17.9270	177.2270				33.0			16		144.46	148.43	m i ke	BGR
OrigID 20710009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.27		PKPbc	22:30:33.837		24.5		3.02		TAS				m_e	
BRG	144.46		PKPbc	22:30:22.318	-0.1	24.5		3.02		TAS				m_e	
CLZ	144.52		PKPbc	22:30:22.767	0.6	24.5		3.02		TAS				m_e	
FUR	147.66		PKPbc	22:30:32.189		24.5		3.02		TAS				m_e	
GEC2	146.32		PKPbc	22:30:28.234		24.5		3.02		TAS				m_e	
GRA1	146.29		PKPbc	22:30:28.704		24.5		3.02		TAS				m_e	
GTTG	144.89		PKPbc	22:30:24.077	0.4	24.5		3.02		TAS				m_e	
IBBN	144.62		PKPbc	22:30:22.827	0.2	24.5		3.02		TAS				m_e	
KAST	145.54		PKPbc	22:30:26.008	-0.1	24.5		3.02		TAS				m_e	
MOX	145.32		PKPbc	22:30:25.165	-0.5	24.5		3.02		TAS				m_e	
PLN	145.32		PKPbc	22:30:25.401		24.5		3.02		TAS				m_e	
TANN	145.30		PKPbc	22:30:25.326		24.5		3.02		TAS				m_e	
TNS	146.46		PKPbc	22:30:29.422		24.5		3.02		TAS				m_e	
UBR	148.43		PKPbc	22:30:34.058		24.5		3.02		TAS				m_e	
WET	146.31		PKPbc	22:30:28.470		24.5		3.02		TAS				m_e	
WLF	147.44		PKPbc	22:30:32.426		24.5		3.02		TAS				m_e	

Event 20710004 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/10	22:19:59.00			18.8280	147.0840				10.0			21		98.50	103.59	m i ke	USGS
OrigID 20710022																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	20710010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	102.39		Pdiff	22:33:56.340		42.4		4.58		TAS					m_e
AHRW	102.39		PP	22:38:08.261		40.9		7.52		TAS					m_e
BFO	103.59		Pdiff	22:34:01.171		42.4		4.58		TAS					m_e
BFO	103.59		PP	22:38:17.719		40.9		7.52		TAS					m_e
BRG	99.25		Pdiff	22:33:41.802	-0.5	42.4		4.58		TAS					m_e
BRG	99.25		PP	22:37:45.365	0.5	40.9		7.52		TAS					m_e
BSEG	98.50		PP	22:37:39.561	-0.1	40.9		7.52		TAS					m_e
BUG	101.60		PP	22:38:02.428	-0.1	40.9		7.52		TAS					m_e
CLL	99.35		Pdiff	22:33:42.106	0.3	42.4		4.58		TAS					m_e
CLL	99.35		PP	22:37:45.599	-0.1	40.9		7.52		TAS					m_e
CLZ	100.06		Pdiff	22:33:45.714	0.1	42.4		4.58		TAS					m_e
CLZ	100.06		PP	22:37:51.627	-0.3	40.9		7.52		TAS					m_e
FLT1	99.34		Pdiff	22:33:42.070	0.1	42.4		4.58		TAS					m_e
FLT1	99.34		PP	22:37:45.023	-0.0	40.9		7.52		TAS					m_e
GEC2	100.82		Pdiff	22:33:48.649		42.4		4.58		TAS					m_e
GEC2	100.82		PP	22:37:57.540	-0.0	40.9		7.52		TAS					m_e
GOR1	98.82		PP	22:37:41.971	-0.7	40.9		7.52		TAS					m_e
GRA1	101.31		Pdiff	22:33:51.567		42.4		4.58		TAS					m_e
GRA1	101.31		PP	22:38:01.108	-0.1	40.9		7.52		TAS					m_e
GRA1	101.31		L	23:24:19.985						T__		1274.6	18.00	a_e Ms	5.5
GTTG	100.45		Pdiff	22:33:47.369	0.0	42.4		4.58		TAS					m_e
GTTG	100.45		PP	22:37:54.838	0.3	40.9		7.52		TAS					m_e
IBBN	100.74		Pdiff	22:33:48.562	0.1	42.4		4.58		TAS					m_e
IBBN	100.74		PP	22:37:55.775	-0.2	40.9		7.52		TAS					m_e
KAST	101.34		PP	22:38:01.070	0.2	40.9		7.52		TAS					m_e
MOX	100.43		Pdiff	22:33:47.263		42.4		4.58		TAS					m_e
MOX	100.43		PP	22:37:53.873	0.3	40.9		7.52		TAS					m_e
MOX	100.43		L	23:22:51.401						T__		1659.7	18.50	a_e Ms	5.6
PLN	100.32		Pdiff	22:33:46.726		42.4		4.58		TAS					m_e
PLN	100.32		PP	22:37:53.216	0.2	40.9		7.52		TAS					m_e
TANN	100.24		Pdiff	22:33:46.327		42.4		4.58		TAS					m_e
TANN	100.24		PP	22:37:52.720	0.1	40.9		7.52		TAS					m_e
TNS	102.08		PP	22:38:06.348		40.9		7.52		TAS					m_e
UBR	103.30		PP	22:38:15.880		40.9		7.52		TAS					m_e
WET	100.97		Pdiff	22:33:49.959		42.4		4.58		TAS					m_e
WET	100.97		PP	22:37:58.685	-0.3	40.9		7.52		TAS					m_e
WLF	103.44		Pdiff	22:34:01.357		42.4		4.58		TAS					m_e

WLF 103.44 PP 22:38:16.721 40.9 7.52 TAS m_e

Event 20711002 Turkey-Georgia-Armenia border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2022/07/11 03:36:31.15 41.0430 43.2780 33.0 16 22.22 26.72 m i ke BGR
20711008

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 20711008
Ms 3.5 BGR 20711008

Table with 16 columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for BRG, BUG, CLL, CLZ, FLT1, GEC2, GRA1, GTTG, KAST, MOX, NEUB, STU, TANN, TNS, UBR, WET.

Event 20711003 Vanuatu Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2022/07/11 21:05:59.84 -19.8700 170.7700 17.4 4.5 16 144.96 148.21 m i ke BGR
20711009

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude

AHRW	146.71	PKPbc	21:25:40.459		34.6	3.41	TAS	m_e
AHRW	146.71	pPKPbc	21:25:45.783		36.0	3.50	TAS	m_e
BFO	148.21	PKPbc	21:25:44.993		34.6	3.41	TAS	m_e
BFO	148.21	pPKPbc	21:25:50.552		36.0	3.50	TAS	m_e
BUG	145.86	PKPbc	21:25:37.325		34.6	3.41	TAS	m_e
BUG	145.86	pPKPbc	21:25:42.522		36.0	3.50	TAS	m_e
FUR	147.22	PKPbc	21:25:42.211		34.6	3.41	TAS	m_e
FUR	147.22	pPKPbc	21:25:47.516		36.0	3.50	TAS	m_e
GEC2	145.68	PKPbc	21:25:37.790		34.6	3.41	TAS	m_e
GEC2	145.68	pPKPbc	21:25:41.665		36.0	3.50	TAS	m_e
GRA1	146.01	PKPbc	21:25:38.035		34.6	3.41	TAS	m_e
GRA1	146.01	pPKPbc	21:25:43.327		36.0	3.50	TAS	m_e
IBBN	144.96	PKPbc	21:25:34.624	0.5	34.6	3.41	TAS	m_e
IBBN	144.96	pPKPbc	21:25:39.923	0.2	36.0	3.50	TAS	m_e
KAST	145.72	pPKPbc	21:25:42.206		36.0	3.50	TAS	m_e
MOX	145.09	PKPbc	21:25:34.657		34.6	3.41	TAS	m_e
MOX	145.09	pPKPbc	21:25:39.796		36.0	3.50	TAS	m_e
PLN	145.01	PKPbc	21:25:34.245		34.6	3.41	TAS	m_e
PLN	145.01	pPKPbc	21:25:39.799	-0.2	36.0	3.50	TAS	m_e
STU	147.52	PKPbc	21:25:43.228		34.6	3.41	TAS	m_e
STU	147.52	pPKPbc	21:25:48.543		36.0	3.50	TAS	m_e
TANN	144.96	PKPbc	21:25:34.067	-0.4	34.6	3.41	TAS	m_e
TANN	144.96	pPKPbc	21:25:39.348	-0.3	36.0	3.50	TAS	m_e
TNS	146.55	PKPbc	21:25:39.933		34.6	3.41	TAS	m_e
TNS	146.55	pPKPbc	21:25:45.248		36.0	3.50	TAS	m_e
UBR	148.07	PKPbc	21:25:44.537		34.6	3.41	TAS	m_e
UBR	148.07	pPKPbc	21:25:50.000		36.0	3.50	TAS	m_e
WET	145.79	PKPbc	21:25:37.166		34.6	3.41	TAS	m_e
WET	145.79	pPKPbc	21:25:42.251		36.0	3.50	TAS	m_e
WLF	147.76	PKPbc	21:25:44.537		34.6	3.41	TAS	m_e
WLF	147.76	pPKPbc	21:25:49.897		36.0	3.50	TAS	m_e

Event 20711004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/11	21:10:42.37			-19.9170	170.6050				17.0	2.0		13		144.95	148.19	m i ke	BGR
OrigID 20711010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	20711010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.71		PKPbc	21:30:23.312		36.3		3.42		TAS					m_e
AHRW	146.71		pPKPbc	21:30:28.163		37.0		3.45		TAS					m_e
BFO	148.19		PKPbc	21:30:27.785		36.3		3.42		TAS					m_e
BFO	148.19		pPKPbc	21:30:32.813		37.0		3.45		TAS					m_e

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FUR	147.19	PKPbc	21:30:24.639	36.3	3.42	TAS											m_e
FUR	147.19	pPKPbc	21:30:29.769	37.0	3.45	TAS											m_e
GEC2	145.65	PKPbc	21:30:18.887	36.3	3.42	TAS											m_e
GEC2	145.65	pPKPbc	21:30:23.986	37.0	3.45	TAS											m_e
GRA1	145.99	PKPbc	21:30:20.622	36.3	3.42	TAS											m_e
GRA1	145.99	pPKPbc	21:30:25.628	37.0	3.45	TAS											m_e
GRA1	145.99	L	22:34:33.090			T__	2812.8	21.90				a_e	Ms			6.0	
IBBN	144.95	PKPbc	21:30:17.189	0.4	36.3	3.42	TAS										m_e
IBBN	144.95	pPKPbc	21:30:22.375	0.3	37.0	3.45	TAS										m_e
MOX	145.07	PKPbc	21:30:16.974	36.3	3.42	TAS											m_e
MOX	145.07	pPKPbc	21:30:22.128	37.0	3.45	TAS											m_e
MOX	145.07	L	22:36:29.668			T__	1723.0	20.60				a_e	Ms			5.8	
PLN	145.00	PKPbc	21:30:16.753	36.3	3.42	TAS											m_e
PLN	145.00	pPKPbc	21:30:21.767	37.0	3.45	TAS											m_e
STU	147.50	PKPbc	21:30:25.671	36.3	3.42	TAS											m_e
STU	147.50	pPKPbc	21:30:30.767	37.0	3.45	TAS											m_e
TNS	146.54	PKPbc	21:30:22.433	36.3	3.42	TAS											m_e
TNS	146.54	pPKPbc	21:30:27.485	37.0	3.45	TAS											m_e
UBR	148.05	PKPbc	21:30:27.170	36.3	3.42	TAS											m_e
UBR	148.05	pPKPbc	21:30:32.142	37.0	3.45	TAS											m_e
WET	145.76	PKPbc	21:30:19.576	36.3	3.42	TAS											m_e
WET	145.76	pPKPbc	21:30:24.558	37.0	3.45	TAS											m_e
WLF	147.76	PKPbc	21:30:26.281	36.3	3.42	TAS											m_e
WLF	147.76	pPKPbc	21:30:31.973	37.0	3.45	TAS											m_e

Event 20711005 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/11	22:23:38.53			-16.0260	-170.3360				28.1	5.2		18		144.52	148.34	m i ke	BGR
20711011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	20711011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.41		PKPbc	22:43:13.354	-0.2	2.7		3.02		TAS					m_e
BFO	147.67		PKPbc	22:43:20.455		2.7		3.02		TAS					m_e
BRG	144.97		PKPbc	22:43:13.507	0.3	2.7		3.02		TAS					m_e
BRG	144.97		pPKPbc	22:43:20.401		4.7		3.02		TAS					m_e
BUG	144.52		PKPbc	22:43:10.183	0.1	2.7		3.02		TAS					m_e
CLL	144.61		PKPbc	22:43:10.990	-0.3	2.7		3.02		TAS					m_e
FUR	147.83		PKPbc	22:43:20.509		2.7		3.02		TAS					m_e
GEC2	147.01		PKPbc	22:43:17.697		2.7		3.02		TAS					m_e
GEC2	147.01		pPKPbc	22:43:25.816		4.7		3.02		TAS					m_e
GRA1	146.30		PKPbc	22:43:16.043		2.7		3.02		TAS					m_e
GRA1	146.30		pPKPbc	22:43:24.319		4.7		3.02		TAS					m_e

GRA1	146.30	L	23:54:26.599							T__	800.7	19.90	a_e	Ms	5.5
KAST	144.80	PKPbc	22:43:10.952	-0.5	2.7	3.02				TAS			m_e		
MOX	145.34	PKPbc	22:43:12.227	-0.0	2.7	3.02				TAS			m_e		
MOX	145.34	pPKPbc	22:43:21.711		4.7	3.02				TAS			m_e		
MOX	145.34	L	23:41:08.043							T__	564.5	21.30	a_e	Ms	5.3
NEUB	144.78	PKPbc	22:43:12.121	0.4	2.7	3.02				TAS			m_e		
PLN	145.47	PKPbc	22:43:12.830		2.7	3.02				TAS			m_e		
PLN	145.47	pPKPbc	22:43:22.090		4.7	3.02				TAS			m_e		
STU	147.24	PKPbc	22:43:19.257		2.7	3.02				TAS			m_e		
STU	147.24	pPKPbc	22:43:27.260		4.7	3.02				TAS			m_e		
TANN	145.53	PKPbc	22:43:12.930		2.7	3.02				TAS			m_e		
TANN	145.53	pPKPbc	22:43:22.135		4.7	3.02				TAS			m_e		
TNS	145.78	PKPbc	22:43:14.492		2.7	3.02				TAS			m_e		
TNS	145.78	pPKPbc	22:43:22.575		4.7	3.02				TAS			m_e		
UBR	148.34	PKPbc	22:43:21.840		2.7	3.02				TAS			m_e		
UBR	148.34	pPKPbc	22:43:31.265		4.7	3.02				TAS			m_e		
WET	146.77	PKPbc	22:43:17.096		2.7	3.02				TAS			m_e		
WET	146.77	pPKPbc	22:43:25.295		4.7	3.02				TAS			m_e		
WLF	146.23	PKPbc	22:43:16.982		2.7	3.02				TAS			m_e		
WLF	146.23	pPKPbc	22:43:24.840		4.7	3.02				TAS			m_e		

Event 20712001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/12	00:28:53.42			-22.3540	172.2130				33.0			18		145.55	151.00	m i ke	BGR
OrigID 20712007																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.99		PKPbc	00:48:33.158	0.3	35.6		2.69		TAS				m_e	
BFO	151.00		PKPbc	00:48:43.266		35.6		2.69		TAS				m_e	
BRG	146.82		PKPbc	00:48:32.624	0.1	35.6		2.69		TAS				m_e	
BSEG	145.55		PKPbc	00:48:28.907	-0.1	35.6		2.69		TAS				m_e	
CLL	146.84		PKPbc	00:48:32.370	-0.0	35.6		2.69		TAS				m_e	
FLT1	146.63		PKPbc	00:48:31.911	0.0	35.6		2.69		TAS				m_e	
GEC2	148.50		PKPbc	00:48:37.208		35.6		2.69		TAS				m_e	
GOR1	146.05		PKPbc	00:48:30.536	-0.3	35.6		2.69		TAS				m_e	
GTTG	147.71		PKPbc	00:48:35.622	0.0	35.6		2.69		TAS				m_e	
IBBN	147.72		PKPbc	00:48:35.437	0.3	35.6		2.69		TAS				m_e	
KAST	148.50		PKPbc	00:48:37.633	-0.6	35.6		2.69		TAS				m_e	
MOX	147.89		PKPbc	00:48:35.656	-0.5	35.6		2.69		TAS				m_e	
NEUB	147.39		PKPbc	00:48:34.248	0.2	35.6		2.69		TAS				m_e	
PLN	147.82		PKPbc	00:48:35.548	0.5	35.6		2.69		TAS				m_e	
TANN	147.76		PKPbc	00:48:35.374	0.2	35.6		2.69		TAS				m_e	
UBR	150.89		PKPbc	00:48:42.999		35.6		2.69		TAS				m_e	

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WET 148.60 PKPbc 00:48:37.666 35.6 2.69 TAS m_e
WLF 150.54 PKPbc 00:48:43.410 35.6 2.69 TAS m_e

Event 20712002 Samoa Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/07/12 00:35:08.80 -15.8390 -172.6670 27.1 0.9 14 144.62 148.07 m i ke BGR
20712008

Magnitude Err Nsta Author OrigID
Ms 5.8 BGR 20712008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.29		PKPbc	00:54:42.968		6.7		3.23		TAS				m_e	
BFO	147.49		PKPbc	00:54:49.904		6.7		3.23		TAS				m_e	
BFO	147.49		pPKPbc	00:54:57.988		8.2		3.05		TAS				m_e	
FUR	147.51		PKPbc	00:54:49.946		6.7		3.23		TAS				m_e	
GEC2	146.58		PKPbc	00:54:47.092		6.7		3.23		TAS				m_e	
GEC2	146.58		pPKPbc	00:54:54.927		8.2		3.05		TAS				m_e	
GRA1	145.99		PKPbc	00:54:45.536		6.7		3.23		TAS				m_e	
GRA1	145.99		L	02:05:56.916						T__		2126.5	19.40	a_e Ms	5.9
KAST	144.62		PKPbc	00:54:40.456		6.7		3.23		TAS				m_e	
MOX	145.01		PKPbc	00:54:41.722		6.7		3.23		TAS				m_e	
MOX	145.01		L	02:02:35.110						T__		1341.0	20.00	a_e Ms	5.7
PLN	145.13		PKPbc	00:54:42.183		6.7		3.23		TAS				m_e	
STU	147.02		PKPbc	00:54:48.638		6.7		3.23		TAS				m_e	
TANN	145.17		PKPbc	00:54:42.268		6.7		3.23		TAS				m_e	
TANN	145.17		pPKPbc	00:54:50.591		8.2		3.05		TAS				m_e	
TNS	145.59		PKPbc	00:54:44.050		6.7		3.23		TAS				m_e	
UBR	148.07		PKPbc	00:54:51.320		6.7		3.23		TAS				m_e	
WET	146.38		PKPbc	00:54:46.566		6.7		3.23		TAS				m_e	
WET	146.38		pPKPbc	00:54:54.702		8.2		3.05		TAS				m_e	
WLF	146.15		PKPbc	00:54:46.331		6.7		3.23		TAS				m_e	
WLF	146.15		pPKPbc	00:54:54.518		8.2		3.05		TAS				m_e	

Event 20712003 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/07/12 01:54:21.62 -16.9010 -176.0850 33.0 146.67 146.67 m i ke BGR
20712009

Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.67		PKPbc	02:13:59.500		12.8		2.96		TAS					m_e

Event 20712004 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/12	02:05:01.60			-15.8140	-172.3190				33.0			11		145.02	147.51	m i ke	BGR
OrigID 20712010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	20712010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.26		PKPbc	02:24:34.812		6.1		3.24		TAS					m_e
BFO	147.47		PKPbc	02:24:41.930		6.1		3.24		TAS					m_e
FUR	147.51		PKPbc	02:24:41.997		6.1		3.24		TAS					m_e
GEC2	146.60		PKPbc	02:24:38.974		6.1		3.24		TAS					m_e
GRA1	145.99		PKPbc	02:24:37.463		6.1		3.24		TAS					m_e
GRA1	145.99		L	03:30:29.194						T__		910.2	20.90	a_e Ms	5.5
MOX	145.02		PKPbc	02:24:33.873		6.1		3.24		TAS					m_e
MOX	145.02		L	03:37:18.383						T__		797.0	21.10	a_e Ms	5.5
PLN	145.13		PKPbc	02:24:34.305		6.1		3.24		TAS					m_e
TANN	145.18		PKPbc	02:24:34.559		6.1		3.24		TAS					m_e
TNS	145.58		PKPbc	02:24:35.783		6.1		3.24		TAS					m_e
WET	146.39		PKPbc	02:24:38.587		6.1		3.24		TAS					m_e
WLF	146.12		PKPbc	02:24:38.241		6.1		3.24		TAS					m_e

Event 20712006 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/12	07:25:22.93			61.5470	-150.6740				61.7			13		65.83	69.91	m i ke	BGR
OrigID 20712012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20712012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	69.06		P	07:36:20.379		350.8		6.29		TAS		15.1	1.34	m_e mb	5.0
BRG	67.14		P	07:36:08.512		350.8		6.29		TAS		18.1	1.53	m_e mb	5.1
CLZ	65.83		P	07:36:00.524	0.4	350.8		6.29		TAS		19.3	1.26	m_e mb	5.2
GEC2	69.12		P	07:36:21.203		350.8		6.29		TAS		10.2	1.21	m_e mb	4.9
GTTG	66.08		P	07:36:02.118	0.0	350.8		6.29		TAS		19.8	0.87	m_e mb	5.4
KAST	66.25		P	07:36:02.928	-0.1	350.8		6.29		TAS		27.6	1.71	m_e mb	5.2

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MOX	67.14	P	07:36:08.583	350.8	6.29	TAS	12.1	1.02	m_e	mb	5.1
PLN	67.36	P	07:36:09.914	350.8	6.29	TAS	3.9	1.11	m_e	mb	4.5
PLN	67.36	pP	07:36:26.288			T__			m_e		
TANN	67.45	P	07:36:10.746	350.8	6.29	TAS	17.4	1.52	m_e	mb	5.1
TNS	67.21	P	07:36:09.141	350.8	6.29	TAS	33.3	1.74	m_e	mb	5.3
UBR	69.91	P	07:36:26.080	350.8	6.29	TAS	9.3	0.82	m_e	mb	5.0
WET	68.75	P	07:36:19.215	350.8	6.29	TAS	17.8	1.36	m_e	mb	5.1
WET	68.75	pP	07:36:35.492			T__			m_e		
WLF	67.47	P	07:36:10.922	350.8	6.29	TAS	29.8	1.28	m_e	mb	5.4
WLF	67.47	pP	07:36:27.622			T__			m_e		

Event 20712008 Davis Strait

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/12	16:58:06.67			61.2330	-61.0230				30.1	4.6		21		37.07	42.11	m i ke	BGR
20712014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	20712014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	37.86		P	17:05:19.302	0.5	315.0		8.31		TAS		24.2	1.39	m_e	mb	4.7
AHRW	37.86		pP	17:05:27.171	0.0	315.3		8.41		TAS				m_e		
BFO	39.98		P	17:05:37.606	0.7	315.0		8.31		TAS		32.8	1.46	m_e	mb	4.8
BFO	39.98		pP	17:05:45.386		315.3		8.41		TAS				m_e		
BRG	40.78		P	17:05:44.121		315.0		8.31		TAS		39.6	1.97	m_e	mb	4.8
BSEG	37.07		P	17:05:13.092	-0.6	315.0		8.31		TAS		44.2	1.56	m_e	mb	5.0
CLL	40.05		P	17:05:37.955	0.0	315.0		8.31		TAS		32.8	1.75	m_e	mb	4.7
CLL	40.05		pP	17:05:45.730		315.3		8.41		TAS				m_e		
CLZ	38.49		P	17:05:25.611	0.4	315.0		8.31		TAS		16.8	1.22	m_e	mb	4.5
FLT1	38.55		P	17:05:24.963	0.3	315.0		8.31		TAS		32.8	1.92	m_e	mb	4.6
FLT1	38.55		pP	17:05:32.907	-0.0	315.3		8.41		TAS				m_e		
FUR	41.48		pP	17:05:57.981		315.3		8.41		TAS				m_e		
GEC2	42.11		P	17:05:54.161		315.0		8.31		TAS				m_e		
GEC2	42.11		pP	17:06:03.283		315.3		8.41		TAS				m_e		
GOR1	38.14		P	17:05:22.254	-0.0	315.0		8.31		TAS		16.9	1.31	m_e	mb	4.6
GRA1	40.37		S	17:15:02.318						T__				m_e		
GRA1	40.37		P	17:05:40.940		315.0		8.31		TAS		35.9	1.77	m_e	mb	4.7
GRA1	40.37		pP	17:05:48.155		315.3		8.41		TAS				m_e		
GRA1	40.37		L	17:21:04.350						T__		524.5	20.00	a_e		
GTTG	38.50		P	17:05:25.580	0.1	315.0		8.31		TAS		12.2	1.02	m_e	mb	4.5
GTTG	38.50		pP	17:05:33.398	-0.1	315.3		8.41		TAS				m_e		
KAST	38.03		P	17:05:20.827	-0.5	315.0		8.31		TAS		13.9	1.36	m_e	mb	4.5
KAST	38.03		pP	17:05:28.713	0.2	315.3		8.41		TAS				m_e		
MOX	39.88		S	17:11:40.869						T__				m_e		
MOX	39.88		P	17:05:36.726	0.3	315.0		8.31		TAS		17.8	1.50	m_e	mb	4.5

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MOX	39.88	pP	17:05:44.572		315.3	8.41	TAS									m_e
MOX	39.88	L	17:19:36.890				T__		329.2	20.40						a_e
NEUB	39.57	P	17:05:34.024	0.1	315.0	8.31	TAS		25.4	1.23						m_e mb 4.7
PLN	40.24	P	17:05:39.618		315.0	8.31	TAS		8.0	1.58						m_e mb 4.1
STU	40.08	P	17:05:38.470	-1.1	315.0	8.31	TAS		39.8	1.05						m_e mb 5.0
STU	40.08	pP	17:05:46.378		315.3	8.41	TAS									m_e
TANN	40.43	P	17:05:41.183		315.0	8.31	TAS		6.5	1.51						m_e mb 4.0
TANN	40.43	pP	17:05:48.990		315.3	8.41	TAS									m_e
TNS	38.71	P	17:05:26.796	-0.1	315.0	8.31	TAS		5.3	0.97						m_e mb 4.1
TNS	38.71	pP	17:05:34.787		315.3	8.41	TAS									m_e
UBR	41.28	P	17:05:48.762		315.0	8.31	TAS		16.3	1.49						m_e mb 4.5
WET	41.52	P	17:05:50.366		315.0	8.31	TAS		15.9	1.66						m_e mb 4.5
WLF	38.03	P	17:05:20.958	-0.3	315.0	8.31	TAS		21.9	1.51						m_e mb 4.7
WLF	38.03	pP	17:05:28.870	0.2	315.3	8.41	TAS									m_e

Event 20712009 Easter Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/12	19:17:00.00			-22.5590	-114.1580				10.0			22		126.42	131.42	m i ke	USGS
20712027																	

Magnitude Err Nsta Author OrigID
Ms 6.9 BGR 20712015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	126.87		PP	19:38:02.201	-0.2	281.8		6.43		TAS					m_e
ASSE	128.77		PKPdf	19:36:08.219	0.0	285.0		1.95		TAS					m_e
ASSE	128.77		PP	19:38:14.950	-0.1	281.8		6.43		TAS					m_e
BFO	128.03		PKPdf	19:36:06.855	-0.1	285.0		1.95		TAS					m_e
BFO	128.03		PP	19:38:08.946	-0.6	281.8		6.43		TAS					m_e
BRG	131.06		PKPdf	19:36:12.937		285.0		1.95		TAS					m_e
BRG	131.06		PP	19:38:28.894		281.8		6.43		TAS					m_e
BSEG	128.12		PKPdf	19:36:06.867	-0.1	285.0		1.95		TAS					m_e
BUG	126.84		PKPdf	19:36:04.459	-0.1	285.0		1.95		TAS					m_e
BUG	126.84		PP	19:38:01.609	0.1	281.8		6.43		TAS					m_e
CLL	130.38		PKPdf	19:36:11.363		285.0		1.95		TAS					m_e
CLL	130.38		PP	19:38:24.546		281.8		6.43		TAS					m_e
CLZ	128.66		PKPdf	19:36:08.348	-0.5	285.0		1.95		TAS					m_e
CLZ	128.66		PP	19:38:14.211	-0.3	281.8		6.43		TAS					m_e
FLT1	129.06		PKPdf	19:36:08.281	0.0	285.0		1.95		TAS					m_e
FUR	129.99		PKPdf	19:36:10.657	-0.1	285.0		1.95		TAS					m_e
FUR	129.99		PP	19:38:22.524	0.1	281.8		6.43		TAS					m_e
GEC2	131.42		PKPdf	19:36:13.433		285.0		1.95		TAS					m_e
GEC2	131.42		PP	19:38:31.481		281.8		6.43		TAS					m_e
GOR1	128.93		PKPdf	19:36:08.572	0.5	285.0		1.95		TAS					m_e
GRA1	129.65		PKPdf	19:36:10.622	-0.3	285.0		1.95		TAS					m_e

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GRA1	129.65	PP	19:38:19.631	0.0	281.8	6.43	TAS										m_e
GRA1	129.65	SS	19:55:58.110				T__										m_e
GRA1	129.65	L	20:32:29.624				T__	21551.8	20.10	a_e	Ms						6.8
GTTG	128.47	PKPdf	19:36:07.718	0.0	285.0	1.95	TAS										m_e
GTTG	128.47	PP	19:38:12.760	0.3	281.8	6.43	TAS										m_e
IBBN	126.98	PKPdf	19:36:04.641	0.2	285.0	1.95	TAS										m_e
IBBN	126.98	PP	19:38:02.886	-0.1	281.8	6.43	TAS										m_e
KAST	127.59	PKPdf	19:36:06.252	-0.3	285.0	1.95	TAS										m_e
KAST	127.59	PP	19:38:06.769	0.1	281.8	6.43	TAS										m_e
MOX	129.69	SS	19:55:54.811				T__										m_e
MOX	129.69	PKPdf	19:36:10.135	0.1	285.0	1.95	TAS										m_e
MOX	129.69	PP	19:38:20.353	-0.3	281.8	6.43	TAS										m_e
MOX	129.69	L	20:32:05.993				T__	28670.2	20.60	a_e	Ms						7.0
NEUB	129.66	PKPdf	19:36:10.137	0.2	285.0	1.95	TAS										m_e
NEUB	129.66	PP	19:38:20.090	0.5	281.8	6.43	TAS										m_e
PLN	130.06	PKPdf	19:36:10.919	-0.1	285.0	1.95	TAS										m_e
PLN	130.06	PP	19:38:22.714		281.8	6.43	TAS										m_e
STU	128.52	PKPdf	19:36:08.048	0.3	285.0	1.95	TAS										m_e
STU	128.52	PP	19:38:12.106	0.2	281.8	6.43	TAS										m_e
TANN	130.27	PKPdf	19:36:11.459	-0.2	285.0	1.95	TAS										m_e
TANN	130.27	PP	19:38:24.036		281.8	6.43	TAS										m_e
TNS	127.79	PKPdf	19:36:06.742	-0.0	285.0	1.95	TAS										m_e
TNS	127.79	PP	19:38:08.095	-0.6	281.8	6.43	TAS										m_e
UBR	129.31	PKPdf	19:36:09.776	0.1	285.0	1.95	TAS										m_e
UBR	129.31	PP	19:38:18.054	0.0	281.8	6.43	TAS										m_e
WET	130.83	PKPdf	19:36:12.396		285.0	1.95	TAS										m_e
WET	130.83	PP	19:38:28.007		281.8	6.43	TAS										m_e
WLF	126.42	PKPdf	19:36:04.003	0.1	285.0	1.95	TAS										m_e
WLF	126.42	PP	19:37:59.902	0.8	281.8	6.43	TAS										m_e

Event 20712010 Easter Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/12	19:28:49.00			-22.2050	-113.7610				10.0					129.14	129.14	m i ke	USGS
20712028																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	129.14		PKPdf	19:47:57.659		281.9		2.03		TAS					m_e

Event 20712011 Easter Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/07/12 21:47:57.00 -22.4710 -114.0490 10.0 129.52 129.52 m i ke USGS
 20712029

Magnitude Err Nsta Author OrigID
 Ms 5.3 BGR 20712017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	129.52		PKPdf	22:07:06.473		281.9		1.80		TAS				m_e	
GRA1	129.52		L	23:00:59.112						T__		639.2	21.50	a_e Ms	5.3

Event 20712012 Southern Peru
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/07/12 23:36:11.00 -16.7830 -71.3090 10.0 24 94.81 99.94 m i ke USGS
 20712030

Magnitude Err Nsta Author OrigID
 Ms 5.1 BGR 20712018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	95.66		Pdiff	23:49:36.764	0.2	253.4		4.62		TAS				m_e	
AHRW	95.66		pP	23:49:43.442	0.2	253.5		4.61		TAS				m_e	
ASSE	98.30		Pdiff	23:49:49.089	0.0	253.4		4.62		TAS				m_e	
ASSE	98.30		pP	23:49:55.778	-0.3	253.5		4.61		TAS				m_e	
BFO	95.72		Pdiff	23:49:36.330	-0.4	253.4		4.62		TAS				m_e	
BFO	95.72		pP	23:49:42.963	-0.5	253.5		4.61		TAS				m_e	
BRG	99.94		Pdiff	23:49:56.185		253.4		4.62		TAS				m_e	
BRG	99.94		pP	23:50:02.921		253.5		4.61		TAS				m_e	
BSEG	98.60		Pdiff	23:49:49.990	0.4	253.4		4.62		TAS				m_e	
BSEG	98.60		pP	23:49:56.738	0.1	253.5		4.61		TAS				m_e	
BUG	96.08		Pdiff	23:49:38.371	-0.1	253.4		4.62		TAS				m_e	
BUG	96.08		pP	23:49:45.109	-0.1	253.5		4.61		TAS				m_e	
CLL	99.47		Pdiff	23:49:54.148		253.4		4.62		TAS				m_e	
CLL	99.47		pP	23:50:00.797		253.5		4.61		TAS				m_e	
CLZ	98.04		Pdiff	23:49:47.741	0.2	253.4		4.62		TAS				m_e	
CLZ	98.04		pP	23:49:54.448	-0.2	253.5		4.61		TAS				m_e	
FLT1	98.69		Pdiff	23:49:50.241	-0.3	253.4		4.62		TAS				m_e	
FLT1	98.69		pP	23:49:56.919	-0.0	253.5		4.61		TAS				m_e	
GEC2	99.28		Pdiff	23:49:52.892		253.4		4.62		TAS				m_e	
GEC2	99.28		pP	23:49:59.564		253.5		4.61		TAS				m_e	
GOR1	98.91		pP	23:49:58.187	-0.0	253.5		4.61		TAS				m_e	
GRA1	97.94		Pdiff	23:49:47.217	-0.3	253.4		4.62		TAS				m_e	
GRA1	97.94		pP	23:49:53.934	0.0	253.5		4.61		TAS				m_e	
GRA1	97.94		L	00:34:18.643						T__		548.3	19.50	a_e Ms	5.0
GTTG	97.71		pP	23:49:52.889	0.2	253.5		4.61		TAS				m_e	

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IBBN	96.64	Pdiff	23:49:41.045	-0.1	253.4	4.62	TAS	m_e
IBBN	96.64	pP	23:49:47.811	-0.0	253.5	4.61	TAS	m_e
KAST	96.68	Pdiff	23:49:41.116	-0.1	253.4	4.62	TAS	m_e
KAST	96.68	pP	23:49:47.718	-0.2	253.5	4.61	TAS	m_e
MOX	98.45	pP	23:49:56.100	0.2	253.5	4.61	TAS	m_e
MOX	98.45	L	00:33:59.718				T__	599.3 20.10 a_e Ms 5.1
NEUB	98.69	Pdiff	23:49:50.742	0.0	253.4	4.62	TAS	m_e
NEUB	98.69	pP	23:49:57.450	0.3	253.5	4.61	TAS	m_e
PLN	98.74	Pdiff	23:49:50.777	-0.1	253.4	4.62	TAS	m_e
PLN	98.74	pP	23:49:57.490	-0.1	253.5	4.61	TAS	m_e
STU	96.40	Pdiff	23:49:39.552	-0.3	253.4	4.62	TAS	m_e
STU	96.40	pP	23:49:46.493	-0.1	253.5	4.61	TAS	m_e
TANN	98.91	Pdiff	23:49:51.864		253.4	4.62	TAS	m_e
TANN	98.91	pP	23:49:58.558	-0.0	253.5	4.61	TAS	m_e
TNS	96.39	Pdiff	23:49:39.973	0.1	253.4	4.62	TAS	m_e
TNS	96.39	pP	23:49:46.643	0.0	253.5	4.61	TAS	m_e
UBR	96.65	Pdiff	23:49:41.342	0.3	253.4	4.62	TAS	m_e
UBR	96.65	pP	23:49:48.018	0.2	253.5	4.61	TAS	m_e
WET	98.83	Pdiff	23:49:51.075		253.4	4.62	TAS	m_e
WET	98.83	pP	23:49:57.802	-0.3	253.5	4.61	TAS	m_e
WLF	94.81	Pdiff	23:49:32.785	0.2	253.4	4.62	TAS	m_e
WLF	94.81	pP	23:49:39.489	0.2	253.5	4.61	TAS	m_e

Event 20713002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/13	15:00:33.76			-16.4390	-176.8640				32.8					146.10	146.10	m i ke	BGR
20713008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	20713008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.10		PKPbc	15:20:09.961		14.0		3.05		TAS				m_e	
GRA1	146.10		pPKPbc	15:20:19.833		11.6		3.07		TAS				m_e	
GRA1	146.10		L	16:24:10.729						T__		120.1	19.10	a_e Ms	4.7

Event 20714001 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/14	02:14:29.00			-27.1500	-176.2850				10.0					156.68	156.68	m i ke	USGS
20714019																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	20714007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	156.68		PKPdf	02:34:24.364						T__					
GRA1	156.68		PKPab	02:34:53.903		17.2		3.91		TAS					
GRA1	156.68		L	04:01:33.316						T__		428.7	18.00	a_e Ms	5.3

Event 20714003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/14	17:50:27.00			-15.0470	166.9300				21.8					140.13	140.13	m i ke	USGS
OrigID 20714021																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	20714009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.13		PKPdf	18:09:53.036		38.4		1.43		TAS					
GRA1	140.13		PP	18:12:58.412						T__					
GRA1	140.13		L	19:14:02.714						T__		1923.7	21.10	a_e Ms	5.8

Event 20714004 Trinidad

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/14	19:17:02.38			10.7330	-61.8930				111.4	2.0			25	67.71	72.83	m i ke	BGR
OrigID 20714010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20714010
MBB	5.5		BGR	20714010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.44		P	19:27:52.542	0.3	264.1		6.05		TAS		126.5	1.81	a_e mb	5.8
AHRW	68.44		pP	19:28:20.466	0.1	264.6		6.05		TAS				m_e	
ASSE	70.90		P	19:28:07.442	-0.2	264.1		6.05		TAS		24.5	0.97	a_e MBB	5.6
ASSE	70.90		pP	19:28:35.416	-0.4	264.6		6.05		TAS				m_e	
BFO	68.93		P	19:27:54.792	-0.3	264.1		6.05		TAS		4.6	0.66	a_e mb	4.8
BRG	72.81		P	19:28:18.709		264.1		6.05		TAS		56.3	1.78	m_e mb	5.4
BRG	72.81		pP	19:28:46.587	0.2	264.6		6.05		TAS				m_e	
BSEG	70.92		P	19:28:07.076	-0.2	264.1		6.05		TAS		56.1	1.38	m_e MBB	5.6
BSEG	70.92		pP	19:28:34.550	0.2	264.6		6.05		TAS				m_e	
BUG	68.71		P	19:27:53.692	-0.1	264.1		6.05		TAS		99.8	1.64	a_e mb	5.8

BUG	68.71	pP	19:28:21.543	-0.2	264.6	6.05	TAS											m_e
CLL	72.26	P	19:28:15.192	-0.1	264.1	6.05	TAS	43.3	1.55	a_e	mb							5.3
CLL	72.26	pP	19:28:43.193	0.3	264.6	6.05	TAS											m_e
CLZ	70.68	P	19:28:05.842	0.1	264.1	6.05	TAS	77.5	1.61	a_e	MBB							5.7
CLZ	70.68	pP	19:28:33.847	0.0	264.6	6.05	TAS											m_e
FLT1	71.27	P	19:28:09.077	-0.1	264.1	6.05	TAS	87.9	1.80	m_e	MBB							5.5
FLT1	71.27	pP	19:28:36.953	-0.0	264.6	6.05	TAS											m_e
GEC2	72.52	P	19:28:16.942		264.1	6.05	TAS	66.8	1.61	a_e	MBB							5.5
GEC2	72.52	pP	19:28:44.920		264.6	6.05	TAS											m_e
GOR1	71.39	P	19:28:09.923	0.1	264.1	6.05	TAS	46.0	1.35	m_e	mb							5.4
GOR1	71.39	pP	19:28:37.766	-0.2	264.6	6.05	TAS											m_e
GRA1	70.97	P	19:28:07.606	-0.0	264.1	6.05	TAS	63.2	1.76	m_e	mb							5.5
GRA1	70.97	pP	19:28:35.719		264.6	6.05	TAS											m_e
GTTG	70.39	P	19:28:04.142	0.4	264.1	6.05	TAS	52.0	1.58	a_e	mb							5.4
IBBN	69.15	P	19:27:56.537	0.1	264.1	6.05	TAS	38.7	0.66	m_e	mb							5.8
IBBN	69.15	pP	19:28:24.445	-0.2	264.6	6.05	TAS											m_e
KAST	69.38	P	19:27:57.692	-0.2	264.1	6.05	TAS	23.9	1.50	a_e	mb							5.2
KAST	69.38	pP	19:28:25.436	-0.1	264.6	6.05	TAS											m_e
MOX	71.32	P	19:28:09.494	-0.1	264.1	6.05	TAS	3.8	0.92	m_e	mb							4.5
MOX	71.32	pP	19:28:37.400	-0.2	264.6	6.05	TAS											m_e
NEUB	71.48	P	19:28:10.489	0.1	264.1	6.05	TAS	100.7	1.81	m_e	mb							5.6
NEUB	71.48	pP	19:28:38.521	0.1	264.6	6.05	TAS											m_e
PLN	71.65	P	19:28:11.592	-0.1	264.1	6.05	TAS	18.2	1.78	a_e	MBB							4.9
PLN	71.65	pP	19:28:39.590	0.0	264.6	6.05	TAS											m_e
RUE	72.83	P	19:28:18.612		264.1	6.05	TAS	28.5	0.77	m_e	mb							5.5
STU	69.55	P	19:27:58.690	0.5	264.1	6.05	TAS	49.4	0.60	m_e	mb							5.8
TANN	71.84	P	19:28:12.942	0.0	264.1	6.05	TAS	42.4	1.69	m_e	MBB							5.5
TANN	71.84	pP	19:28:40.881	-0.1	264.6	6.05	TAS											m_e
TNS	69.26	P	19:27:57.370	0.2	264.1	6.05	TAS	17.9	0.67	m_e	mb							5.4
TNS	69.26	pP	19:28:25.338		264.6	6.05	TAS											m_e
UBR	70.03	P	19:28:02.239	0.1	264.1	6.05	TAS	17.2	1.33	m_e	mb							5.0
WET	72.00	P	19:28:13.832	0.0	264.1	6.05	TAS	34.6	1.55	m_e	MBB							5.5
WET	72.00	pP	19:28:41.825		264.6	6.05	TAS											m_e
WLF	67.71	P	19:27:47.692	-0.1	264.1	6.05	TAS	19.0	0.96	a_e	mb							5.3
WLF	67.71	pP	19:28:15.584		264.6	6.05	TAS											m_e

Event 20714005 Colombia-Ecuador border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/14	22:30:28.68			0.3020	-77.2110				72.8	4.4		26		85.48	90.51	m i ke	BGR
20714011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	20714011
MBB	6.3		BGR	20714011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.14		P	22:43:01.933	0.3	269.0		4.70		TAS		258.4	1.42	a_e	MBB	6.4
AHRW	86.14		sP	22:43:29.587	0.3	269.0		4.71		TAS				m_e		
ASSE	88.47		P	22:43:12.888	-0.0	269.0		4.70		TAS		310.0	1.83	m_e	MBB	6.5
ASSE	88.47		sP	22:43:40.489	0.1	269.0		4.71		TAS				m_e		
BFO	86.82		P	22:43:04.161	-0.7	269.0		4.70		TAS		31.6	1.07	m_e	MBB	6.0
BFO	86.82		pP	22:43:24.944	0.2	269.0		4.72		TAS				m_e		
BFO	86.82		sP	22:43:31.739	-0.7	269.0		4.71		TAS				m_e		
BRG	90.51		P	22:43:22.283		269.0		4.70		TAS		109.3	1.22	a_e	MBB	6.3
BRG	90.51		pP	22:43:43.210		269.0		4.72		TAS				m_e		
BRG	90.51		sP	22:43:49.814		269.0		4.71		TAS				m_e		
BSEG	88.30		P	22:43:11.672	0.2	269.0		4.70		TAS		306.2	2.06	m_e	MBB	6.4
BSEG	88.30		sP	22:43:39.346	0.2	269.0		4.71		TAS				m_e		
BUG	86.33		P	22:43:02.386	-0.1	269.0		4.70		TAS		147.2	1.27	m_e	MBB	6.4
BUG	86.33		sP	22:43:30.056	-0.1	269.0		4.71		TAS				m_e		
CLL	89.91		P	22:43:19.333	-0.3	269.0		4.70		TAS		206.6	1.63	a_e	MBB	6.3
CLL	89.91		pP	22:43:39.490		269.0		4.72		TAS				m_e		
CLL	89.91		sP	22:43:47.070	-0.0	269.0		4.71		TAS				m_e		
CLZ	88.28		P	22:43:11.918	0.3	269.0		4.70		TAS		222.5	1.80	m_e	MBB	6.4
CLZ	88.28		sP	22:43:39.580	0.3	269.0		4.71		TAS				m_e		
FLT1	88.82		P	22:43:13.917	0.0	269.0		4.70		TAS		123.2	1.40	m_e	MBB	6.2
FLT1	88.82		sP	22:43:41.509	-0.0	269.0		4.71		TAS				m_e		
FUR	88.79		P	22:43:14.033	-0.0	269.0		4.70		TAS		118.7	1.26	a_e	MBB	6.4
FUR	88.79		pP	22:43:35.014		269.0		4.72		TAS				m_e		
FUR	88.79		sP	22:43:41.707	-0.1	269.0		4.71		TAS				m_e		
GEC2	90.40		P	22:43:21.283		269.0		4.70		TAS		34.3	1.19	a_e	MBB	6.0
GEC2	90.40		pP	22:43:42.148		269.0		4.72		TAS				m_e		
GEC2	90.40		sP	22:43:48.939		269.0		4.71		TAS				m_e		
GOR1	88.87		P	22:43:14.475	0.1	269.0		4.70		TAS		264.7	1.67	m_e	MBB	6.4
GOR1	88.87		sP	22:43:42.066	0.1	269.0		4.71		TAS				m_e		
GRA1	88.77		S	22:53:47.892						T__				m_e		
GRA1	88.77		P	22:43:14.233	-0.3	269.0		4.70		TAS		146.2	1.55	m_e	mb	6.0
GRA1	88.77		sP	22:43:41.762	-0.4	269.0		4.71		TAS				m_e		
GRA1	88.77		PP	22:46:55.410						T__				m_e		
GTTG	88.02		P	22:43:10.547	-0.2	269.0		4.70		TAS		248.7	1.97	m_e	MBB	6.3
GTTG	88.02		sP	22:43:38.071	-0.1	269.0		4.71		TAS				m_e		
IBBN	86.69		P	22:43:04.130	-0.1	269.0		4.70		TAS		338.6	1.86	m_e	MBB	6.4
IBBN	86.69		sP	22:43:31.666	-0.1	269.0		4.71		TAS				m_e		
KAST	87.03		P	22:43:05.652	-0.2	269.0		4.70		TAS		331.9	2.20	m_e	MBB	6.1
KAST	87.03		sP	22:43:33.241	-0.2	269.0		4.71		TAS				m_e		
MOX	89.04		S	22:53:49.242						T__				m_e		
MOX	89.04		P	22:43:15.281	0.1	269.0		4.70		TAS		111.2	1.55	m_e	MBB	6.2
MOX	89.04		sP	22:43:42.839	0.4	269.0		4.71		TAS				m_e		
MOX	89.04		PP	22:46:32.838						T__				m_e		
NEUB	89.14		P	22:43:15.852	0.3	269.0		4.70		TAS		224.5	1.71	m_e	MBB	6.4
PLN	89.38		P	22:43:17.033	0.1	269.0		4.70		TAS		30.4	1.12	a_e	MBB	5.8
PLN	89.38		pP	22:43:37.900		269.0		4.72		TAS				m_e		
PLN	89.38		sP	22:43:44.554	0.1	269.0		4.71		TAS				m_e		
RUE	90.38		P	22:43:21.378		269.0		4.70		TAS		156.7	1.17	m_e	MBB	6.3

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RUE	90.38	sP	22:43:48.973		269.0	4.71	TAS										m_e	
STU	87.42	P	22:43:07.409	0.2	269.0	4.70	TAS	181.9	1.03	m_e	MBB						6.6	
STU	87.42	sP	22:43:35.016	0.1	269.0	4.71	TAS										m_e	
TANN	89.57	P	22:43:18.083	-0.1	269.0	4.70	TAS	99.0	1.09	a_e	MBB						6.3	
TANN	89.57	pP	22:43:39.030		269.0	4.72	TAS										m_e	
TANN	89.57	sP	22:43:45.805	-0.2	269.0	4.71	TAS										m_e	
TNS	87.00	P	22:43:05.683	-0.2	269.0	4.70	TAS	107.1	1.31	a_e	MBB						6.1	
TNS	87.00	sP	22:43:33.244	-0.2	269.0	4.71	TAS										m_e	
UBR	87.99	P	22:43:10.483	0.2	269.0	4.70	TAS	153.0	1.23	a_e	MBB						6.4	
UBR	87.99	pP	22:43:31.222		269.0	4.72	TAS										m_e	
UBR	87.99	sP	22:43:38.047	0.3	269.0	4.71	TAS										m_e	
WET	89.85	P	22:43:19.218	-0.2	269.0	4.70	TAS	134.9	1.28	m_e	MBB						6.3	
WET	89.85	pP	22:43:40.161		269.0	4.72	TAS										m_e	
WET	89.85	sP	22:43:46.917	-0.3	269.0	4.71	TAS										m_e	
WLF	85.48	P	22:42:58.829	0.3	269.0	4.70	TAS	196.9	0.98	m_e	MBB						6.6	
WLF	85.48	pP	22:43:19.554	0.3	269.0	4.72	TAS										m_e	
WLF	85.48	sP	22:43:26.386	0.3	269.0	4.71	TAS										m_e	

Event 20714006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/07/14	23:17:35.00			-15.0560	166.9020				24.0					140.13	140.13	m i ke	USGS	
20714024																		

Magnitude Err Nsta Author OrigID
 Ms 4.7 BGR 20714012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.13		PKPdf	23:37:02.022		38.4		1.27		TAS					m_e
GRA1	140.13		pPKPdf	23:37:07.390						T__					m_e
GRA1	140.13		L	00:41:49.603						T__	133.8	21.90		a_e Ms	4.7

Event 20715003 Off coast of southern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/07/15	19:37:22.00			-44.6210	-79.6500				24.5					22	119.93	124.80	m i ke	USGS
20715021																		

Magnitude Err Nsta Author OrigID
 Ms 5.5 BGR 20715009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	120.92		PKiKP	19:56:23.083	1.5	248.2		1.97		TAS					m_e

ASSE	123.67	PKiKP	19:56:25.270	-1.7	248.2	1.97	TAS										m_e
BFO	120.36	PKiKP	19:56:21.818	0.5	248.2	1.97	TAS										m_e
BRG	124.80	PKiKP	19:56:29.938	0.1	248.2	1.97	TAS										m_e
BSEG	124.40	PKiKP	19:56:27.293	-0.6	248.2	1.97	TAS										m_e
CLL	124.50	PKiKP	19:56:29.851	0.8	248.2	1.97	TAS										m_e
CLZ	123.36	PKiKP	19:56:27.489	1.1	248.2	1.97	TAS										m_e
FLT1	124.07	PKiKP	19:56:28.758	1.0	248.2	1.97	TAS										m_e
GEC2	123.64	PKiKP	19:56:27.729	-0.4	248.2	1.97	TAS										m_e
GOR1	124.44	PKiKP	19:56:29.579	1.3	248.2	1.97	TAS										m_e
GRA1	122.69	PKiKP	19:56:24.532	-1.2	248.2	1.97	TAS										m_e
GRA1	122.69	L	21:45:51.033				T__				1051.3	22.00		a_e	Ms		5.5
GTTG	122.99	PKiKP	19:56:24.847	-0.8	248.2	1.97	TAS										m_e
IBBN	122.24	PKiKP	19:56:22.841	-1.0	248.2	1.97	TAS										m_e
KAST	121.99	PKiKP	19:56:25.165	1.5	248.2	1.97	TAS										m_e
MOX	123.41	PKiKP	19:56:27.429	0.5	248.2	1.97	TAS										m_e
MOX	123.41	L	21:51:46.760				T__				1152.0	20.10		a_e	Ms		5.5
NEUB	123.78	PKiKP	19:56:25.445	-2.1	248.2	1.97	TAS										m_e
PLN	123.62	PKiKP	19:56:27.593	0.1	248.2	1.97	TAS										m_e
TANN	123.75	PKiKP	19:56:28.305	0.6	248.2	1.97	TAS										m_e
TNS	121.47	PKiKP	19:56:22.135	-0.8	248.2	1.97	TAS										m_e
UBR	120.99	PKiKP	19:56:23.247	0.3	248.2	1.97	TAS										m_e
WET	123.33	PKiKP	19:56:27.438	0.1	248.2	1.97	TAS										m_e
WLF	119.93	PKiKP	19:56:19.006	-0.8	248.2	1.97	TAS										m_e

Event 20716001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/16	01:51:03.00			-28.9800	-175.9300				10.0				16	155.99	160.32	m i ke emsc	
20716037																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	160.32		PKPab	02:11:43.774	0.1	17.3		4.40		TAS					m_e
BRG	156.83		PKPab	02:11:28.810	-0.2	17.3		4.40		TAS					m_e
BUG	157.35		PKPab	02:11:30.687	-0.5	17.3		4.40		TAS					m_e
CLL	156.64		PKPab	02:11:27.659	-0.3	17.3		4.40		TAS					m_e
CLZ	156.60		PKPab	02:11:28.003	0.5	17.3		4.40		TAS					m_e
FLT1	155.99		PKPab	02:11:24.746	-0.1	17.3		4.40		TAS					m_e
FUR	159.97		PKPab	02:11:42.752		17.3		4.40		TAS					m_e
GEC2	158.76		PKPab	02:11:37.456	-0.2	17.3		4.40		TAS					m_e
GRA1	158.53		PKPab	02:11:36.562	0.1	17.3		4.40		TAS					m_e
GTTG	156.95		PKPab	02:11:29.467	0.4	17.3		4.40		TAS					m_e
MOX	157.54		PKPab	02:11:31.716	-0.1	17.3		4.40		TAS					m_e
NEUB	156.99		PKPab	02:11:29.338	0.0	17.3		4.40		TAS					m_e
PLN	157.59		PKPab	02:11:32.064	0.0	17.3		4.40		TAS					m_e

./bul2207.txt Tue Dec 05 10:50:39 2023 38

TANN	157.59	PKPab	02:11:32.209	0.1	17.3	4.40	TAS	m_e
TNS	158.44	PKPab	02:11:35.764	0.0	17.3	4.40	TAS	m_e
WET	158.69	PKPab	02:11:37.333	-0.3	17.3	4.40	TAS	m_e

Event 20716002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/16	03:25:54.36			-17.3590	-172.1470				33.0			19		144.91	149.61	m i ke	BGR
OrigID 20716008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	20716008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.80		PKPbc	03:45:33.093	-0.1	6.0		2.84		TAS				m_e	
ASSE	145.14		PKPbc	03:45:28.099	-0.1	6.0		2.84		TAS				m_e	
BFO	149.01		PKPbc	03:45:39.105		6.0		2.84		TAS				m_e	
BRG	146.12		PKPbc	03:45:31.154	0.1	6.0		2.84		TAS				m_e	
BUG	145.90		PKPbc	03:45:30.523	-0.1	6.0		2.84		TAS				m_e	
CLL	145.79		PKPbc	03:45:29.906	-0.2	6.0		2.84		TAS				m_e	
CLZ	145.44		PKPbc	03:45:29.311	0.2	6.0		2.84		TAS				m_e	
FLT1	144.91		PKPbc	03:45:26.838	-0.7	6.0		2.84		TAS				m_e	
GEC2	148.15		PKPbc	03:45:36.875	-0.5	6.0		2.84		TAS				m_e	
GRA1	147.54		L	04:52:03.588						T__		420.1	19.80	a_e Ms	5.2
GTTG	145.75		PKPbc	03:45:30.232	0.2	6.0		2.84		TAS				m_e	
IBBN	145.04		PKPbc	03:45:27.857	-0.3	6.0		2.84		TAS				m_e	
KAST	146.14		PKPbc	03:45:31.299	0.1	6.0		2.84		TAS				m_e	
MOX	146.56		PKPbc	03:45:32.366	0.1	6.0		2.84		TAS				m_e	
MOX	146.56		L	04:54:24.253						T__		615.4	19.00	a_e Ms	5.4
NEUB	146.01		PKPbc	03:45:30.814	0.1	6.0		2.84		TAS				m_e	
PLN	146.68		PKPbc	03:45:32.850	0.3	6.0		2.84		TAS				m_e	
TANN	146.72		PKPbc	03:45:33.141	0.4	6.0		2.84		TAS				m_e	
TNS	147.12		PKPbc	03:45:34.208	0.2	6.0		2.84		TAS				m_e	
UBR	149.61		PKPbc	03:45:40.414		6.0		2.84		TAS				m_e	
WLF	147.65		PKPbc	03:45:36.244	0.5	6.0		2.84		TAS				m_e	

Event 20717001 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/17	19:43:23.25			40.3380	84.3150				33.0			10		48.99	52.82	m i ke	BGR
OrigID 20717007																	

Magnitude	Err	Nsta	Author	OrigID
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mb 4.8 BGR 20717007
 Ms 3.7 BGR 20717007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	52.82		P	19:52:33.901		71.1		7.56		TAS		7.5	0.84	m_e mb	4.7
CLL	48.99		P	19:52:04.903	-0.1	71.1		7.56		TAS		8.5	0.69	m_e mb	4.9
FLT1	49.75		P	19:52:10.601	-0.2	71.1		7.56		TAS		6.4	0.63	m_e mb	4.7
FUR	51.04		P	19:52:21.253		71.1		7.56		TAS		24.7	0.69	m_e mb	5.2
GEC2	49.30		P	19:52:07.679		71.1		7.56		TAS		4.1	0.67	m_e mb	4.6
GRA1	50.57		P	19:52:17.911		71.1		7.56		TAS		15.7	0.76	m_e mb	5.0
GRA1	50.57		L	20:19:13.709						T__		78.6	18.20	a_e Ms	3.8
GTTG	50.73		P	19:52:19.042	-0.5	71.1		7.56		TAS		15.7	0.74	m_e mb	5.0
MOX	50.03		L	20:16:53.507						T__		54.0	18.40	a_e Ms	3.6
TANN	49.58		P	19:52:09.838	-0.1	71.1		7.56		TAS		3.8	0.81	m_e mb	4.4
UBR	51.95		P	19:52:27.525		71.1		7.56		TAS		20.4	0.75	m_e mb	5.1
WET	49.72		P	19:52:10.867		71.1		7.56		TAS		5.4	0.75	m_e mb	4.6

Event 20718002 Southeastern Afghanistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/18	12:22:45.00			33.1080	69.4700				10.0			14		43.79	47.51	m i ke	USGS
OrigID 20718020																	

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 20718008
 Ms 4.7 BGR 20718008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	47.51		P	12:31:21.346		88.6		7.80		TAS		6.2	0.71	m_e mb	4.8
BRG	43.79		P	12:30:53.511	0.1	88.6		7.80		TAS		13.2	0.76	m_e mb	4.7
BSEG	46.11		P	12:31:11.876	0.4	88.6		7.80		TAS		18.3	0.79	m_e mb	5.2
CLL	44.40		P	12:30:57.816	0.0	88.6		7.80		TAS		9.3	0.79	m_e mb	4.6
CLZ	46.04		P	12:31:11.360	-0.5	88.6		7.80		TAS		35.4	1.31	m_e mb	5.2
FLT1	45.52		P	12:31:06.494	0.1	88.6		7.80		TAS		29.1	0.86	m_e mb	5.3
GEC2	43.93		P	12:30:54.085		88.6		7.80		TAS		13.6	0.93	m_e mb	4.7
GOR1	45.49		P	12:31:06.941	0.1	88.6		7.80		TAS		23.2	1.19	m_e mb	5.1
GRA1	45.53		P	12:31:07.744		88.6		7.80		TAS		26.6	0.94	m_e mb	5.2
GRA1	45.53		L	12:55:00.372						T__		786.9	18.10	a_e Ms	4.7
GTTG	46.30		P	12:31:13.254	-0.2	88.6		7.80		TAS				m_e	
MOX	45.27		L	12:50:30.426						T__		1123.7	20.80	a_e Ms	4.8
NEUB	45.17		P	12:31:04.186	0.8	88.6		7.80		TAS		25.6	0.79	m_e mb	5.2
PLN	44.92		P	12:31:02.349	0.1	88.6		7.80		TAS		3.1	0.70	m_e mb	4.3
TANN	44.73		P	12:31:00.972		88.6		7.80		TAS				m_e	
UBR	46.37		P	12:31:12.622		88.6		7.80		TAS		14.4	0.81	m_e mb	5.0

Event 20718003 Greenland Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/18	18:40:24.20			78.6500	5.9600				10.0				17	26.46	31.08	m i ke	EMSC
OrigID 20718039																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20718009
Ms	4.7		BGR	20718009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	28.18		P	18:46:27.646	0.2	359.2		9.16		TAS		92.7	0.89	m_e	mb	5.6
BFO	30.40		P	18:46:47.727		359.2		9.16		TAS		30.8	0.95	m_e	mb	5.1
BUG	27.28		P	18:46:19.495	-0.2	359.2		9.16		TAS		52.4	0.93	m_e	mb	5.2
CLL	27.53		P	18:46:21.051	0.2	359.2		9.16		TAS		134.9	1.72	m_e	mb	5.5
CLZ	26.92		P	18:46:16.457	0.4	359.2		9.16		TAS		90.9	1.32	m_e	mb	5.3
FLT1	26.46		P	18:46:11.418	0.3	359.2		9.16		TAS		39.0	0.99	m_e	mb	5.0
GEC2	30.01		P	18:46:44.615		359.2		9.16		TAS		136.9	1.79	m_e	mb	5.5
GRA1	29.09		P	18:46:36.005		359.2		9.16		TAS		65.7	0.92	m_e	mb	5.5
GRA1	29.09		L	18:56:57.164						T__		2637.7	21.20	a_e	Ms	4.8
GTTG	27.21		P	18:46:19.124	-0.3	359.2		9.16		TAS		84.4	0.96	m_e	mb	5.5
KAST	27.53		P	18:46:22.237	0.1	359.2		9.16		TAS		69.0	0.96	m_e	mb	5.5
MOX	28.15		P	18:46:27.276	-0.2	359.2		9.16		TAS		104.0	1.08	m_e	mb	5.6
MOX	28.15		L	18:56:35.616						T__		1457.2	20.00	a_e	Ms	4.6
NEUB	27.61		P	18:46:22.089	0.3	359.2		9.16		TAS		102.5	1.08	m_e	mb	5.6
PLN	28.33		P	18:46:28.980	0.7	359.2		9.16		TAS		46.4	1.40	m_e	mb	5.1
TANN	28.40		P	18:46:29.869	-0.4	359.2		9.16		TAS		111.5	1.50	m_e	mb	5.5
TNS	28.51		P	18:46:30.758	-0.5	359.2		9.16		TAS		65.0	1.11	m_e	mb	5.4
UBR	31.08		P	18:46:54.026		359.2		9.16		TAS		43.0	0.93	m_e	mb	5.4
WET	29.69		P	18:46:41.429		359.2		9.16		TAS		176.7	2.08	m_e	mb	5.5

Event 20720003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/19	23:46:48.57			-4.6300	103.0000				56.9	1.8			26	92.98	97.96	m i ke	BGR
OrigID 20720009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20720009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	97.34		P	00:00:15.028	0.0	91.4		4.51		TAS		2.9	0.67	a_e	mb	5.0
ASSE	95.07		P	00:00:04.528	-0.2	91.4		4.51		TAS		8.8	1.04	a_e	mb	5.1
BFO	96.57		P	00:00:11.538	0.0	91.4		4.51		TAS		4.9	1.10	m_e	mb	5.0

BRG	92.98	P	23:59:55.428	0.1	91.4	4.51	TAS	14.0	1.04	a_e	mb	5.3
BRG	92.98	pP	00:00:11.507	0.2	90.3	4.56	TAS			m_e		
BSEG	95.31	P	00:00:06.292	0.4	91.4	4.51	TAS	9.1	1.13	m_e	mb	5.1
BUG	97.19	P	00:00:14.574	0.2	91.4	4.51	TAS	5.5	1.05	m_e	mb	5.1
CLL	93.60	P	23:59:57.778	-0.3	91.4	4.51	TAS	9.6	1.18	a_e	mb	5.0
CLZ	95.25	P	00:00:05.283	-0.3	91.4	4.51	TAS	7.6	0.95	m_e	mb	5.1
FLT1	94.73	P	00:00:02.815	-0.4	91.4	4.51	TAS	5.9	0.91	m_e	mb	5.0
FLT1	94.73	pP	00:00:18.935		90.3	4.56	TAS			m_e		
FUR	94.60	P	00:00:02.078	-0.6	91.4	4.51	TAS	12.1	1.13	a_e	mb	5.2
FUR	94.60	pP	00:00:18.790		90.3	4.56	TAS			m_e		
GEC2	93.02	P	23:59:55.628	0.1	91.4	4.51	TAS	17.0	1.14	a_e	mb	5.4
GOR1	94.70	P	00:00:02.928	-0.2	91.4	4.51	TAS	21.5	1.20	a_e	mb	5.5
GRA1	94.68	P	00:00:03.554	0.6	91.4	4.51	TAS	10.2	1.02	m_e	mb	5.2
IBBN	96.86	P	00:00:12.634	-0.2	91.4	4.51	TAS	19.5	1.07	m_e	mb	5.7
KAST	96.48	P	00:00:11.178	0.1	91.4	4.51	TAS	7.6	1.05	a_e	mb	5.2
MOX	94.45	P	00:00:01.978	0.0	91.4	4.51	TAS	10.1	1.12	a_e	mb	5.1
NEUB	94.37	P	00:00:01.680	0.1	91.4	4.51	TAS	13.7	0.84	m_e	mb	5.3
PLN	94.10	P	00:00:00.328	-0.0	91.4	4.51	TAS	3.9	1.25	a_e	mb	4.6
RGN	93.56	P	23:59:58.128	0.1	91.4	4.51	TAS	13.6	0.77	a_e	mb	5.3
RUE	93.18	P	23:59:56.333	0.1	91.4	4.51	TAS	59.6	1.53	m_e	mb	5.8
STU	95.99	P	00:00:09.150	0.2	91.4	4.51	TAS	21.6	0.81	m_e	mb	5.7
TANN	93.90	P	23:59:59.578	0.1	91.4	4.51	TAS	6.9	1.12	a_e	mb	4.9
TNS	96.47	P	00:00:11.178	0.1	91.4	4.51	TAS	13.1	0.94	a_e	mb	5.5
TNS	96.47	pP	00:00:27.469		90.3	4.56	TAS			m_e		
UBR	95.37	P	00:00:06.093	-0.1	91.4	4.51	TAS	9.4	1.16	m_e	mb	5.1
WET	93.57	P	23:59:58.128	0.1	91.4	4.51	TAS	17.6	1.18	m_e	mb	5.3
WLF	97.96	P	00:00:17.700	-0.1	91.4	4.51	TAS	6.6	1.04	m_e	mb	5.3

Event 20720004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/20	17:36:07.60			-16.1710	-175.7890			33.0				25		141.92	148.67	m i ke	BGR
20720010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	20720010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.54		PKPbc	17:55:40.635	1.6	12.1		3.16		TAS				m_e	
ASSE	143.67		PKPbc	17:55:34.423	0.1	12.1		3.16		TAS				m_e	
BFO	147.66		PKPbc	17:55:46.706		12.1		3.16		TAS				m_e	
BRG	144.42		PKPbc	17:55:36.823	-0.1	12.1		3.16		TAS				m_e	
BSEG	141.92		PKPbc	17:55:29.996	-0.9	12.1		3.16		TAS				m_e	
BUG	144.63		PKPbc	17:55:37.670	-0.1	12.1		3.16		TAS				m_e	
CLL	144.16		PKPbc	17:55:35.693	-0.4	12.1		3.16		TAS				m_e	
CLZ	143.98		PKPbc	17:55:35.764	-0.2	12.1		3.16		TAS				m_e	

FETA	148.67	PKPbc	17:55:49.140		12.1	3.16	TAS									m_e
FLT1	143.41	PKPbc	17:55:32.982	-0.6	12.1	3.16	TAS									m_e
GEC2	146.41	PKPbc	17:55:45.105	-0.6	12.1	3.16	TAS									m_e
GOR1	142.75	PKPbc	17:55:31.392	-0.3	12.1	3.16	TAS									m_e
GRA1	145.99	PKPbc	17:55:43.459	-0.7	12.1	3.16	TAS									m_e
GRA1	145.99	L	19:05:22.727				T__				93.1	22.00		a_e	Ms	4.5
GTTG	144.32	PKPbc	17:55:36.893	-0.3	12.1	3.16	TAS									m_e
IBBN	143.75	PKPbc	17:55:34.917	-0.3	12.1	3.16	TAS									m_e
KAST	144.80	PKPbc	17:55:38.164	-0.3	12.1	3.16	TAS									m_e
MOX	145.01	PKPbc	17:55:38.844	1.1	12.1	3.16	TAS									m_e
MOX	145.01	L	19:01:01.246				T__				123.9	21.00		a_e	Ms	4.7
NEUB	144.45	PKPbc	17:55:36.938	0.3	12.1	3.16	TAS									m_e
PLN	145.09	PKPbc	17:55:39.473	1.4	12.1	3.16	TAS									m_e
SQTA	148.41	PKPbc	17:55:49.070		12.1	3.16	TAS									m_e
TANN	145.11	PKPbc	17:55:39.134	-0.2	12.1	3.16	TAS									m_e
TNS	145.77	PKPbc	17:55:42.612	0.9	12.1	3.16	TAS									m_e
UBR	148.11	PKPbc	17:55:49.367		12.1	3.16	TAS									m_e
WET	146.27	PKPbc	17:55:42.743	0.6	12.1	3.16	TAS									m_e
WLF	146.46	PKPbc	17:55:44.836	-1.4	12.1	3.16	TAS									m_e

Event 20721005 Myanmar-China border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/21	17:07:32.45			21.2300	99.2600				33.0			27		70.63	76.04	m i ke	BGR
OrigID																	
20721011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20721011
Ms	5.9		BGR	20721011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.23	P		17:19:12.499	0.1	77.6		5.90		TAS		19.4	1.00	a_e	mb	5.1
ASSE	72.66	P		17:18:57.049	-0.2	77.6		5.90		TAS		15.2	1.07	a_e	mb	5.0
BFO	75.03	P		17:19:10.799	-0.3	77.6		5.90		TAS		20.0	1.43	a_e	mb	5.0
BRG	70.90	P		17:18:46.799	-0.1	77.6		5.90		TAS		16.9	0.84	m_e	mb	5.2
BSEG	72.48	P		17:18:56.347	0.3	77.6		5.90		TAS		33.1	0.91	m_e	mb	5.5
BUG	74.87	P		17:19:10.099	-0.2	77.6		5.90		TAS		32.2	1.30	a_e	mb	5.2
CLL	71.41	P		17:18:49.399	-0.5	77.6		5.90		TAS		30.8	1.32	a_e	mb	5.3
CLZ	72.90	P		17:18:58.849	0.2	77.6		5.90		TAS		22.0	0.85	a_e	mb	5.3
FLT1	72.27	P		17:18:54.878	-0.1	77.6		5.90		TAS		11.0	0.89	m_e	mb	5.0
FUR	73.16	P		17:19:00.406	0.3	77.6		5.90		TAS		24.9	0.84	m_e	mb	5.4
GEC2	71.44	P		17:18:50.299	0.3	77.6		5.90		TAS		36.7	1.16	a_e	mb	5.4
GOR1	72.10	P		17:18:54.149	0.3	77.6		5.90		TAS		38.3	1.08	a_e	mb	5.5
GRA1	72.85	P		17:18:58.149	-0.2	77.6		5.90		TAS		19.9	0.92	m_e	mb	5.2
GRA1	72.85	L		17:52:15.284						T__		7425.4	20.90	a_e	Ms	5.9
GTTG	73.21	P		17:19:00.549	0.0	77.6		5.90		TAS		27.3	0.96	a_e	mb	5.3

IBBN	74.36	P	17:19:07.081	-0.1	77.6	5.90	TAS	21.4	0.85	m_e	mb	5.2
KAST	74.24	P	17:19:06.549	-0.0	77.6	5.90	TAS	7.7	0.98	a_e	mb	4.7
MOX	72.40	P	17:18:55.699	0.0	77.6	5.90	TAS	38.9	1.44	a_e	mb	5.3
MOX	72.40	L	17:56:45.534				T__	5923.1	18.20	a_e	Ms	5.9
NEUB	72.18	P	17:18:54.249	-0.2	77.6	5.90	TAS	23.4	0.80	a_e	mb	5.4
PLN	72.09	P	17:18:53.899	0.0	77.6	5.90	TAS	4.5	0.90	a_e	mb	4.6
RGN	70.63	P	17:18:45.170	0.1	77.6	5.90	TAS	39.0	0.73	m_e	mb	5.6
RUE	70.72	P	17:18:45.599	-0.2	77.6	5.90	TAS	64.8	0.98	a_e	mb	5.7
STU	74.36	P	17:19:07.291	0.1	77.6	5.90	TAS	103.8	0.89	m_e	mb	5.9
TANN	71.92	P	17:18:52.899	0.0	77.6	5.90	TAS	12.8	0.98	a_e	mb	5.0
TNS	74.46	P	17:19:07.899	0.0	77.6	5.90	TAS	27.7	1.07	a_e	mb	5.2
UBR	74.04	P	17:19:04.949	-0.3	77.6	5.90	TAS	22.8	1.15	a_e	mb	5.1
WET	71.91	P	17:18:53.099	0.3	77.6	5.90	TAS	35.3	0.97	a_e	mb	5.5
WLF	76.04	P	17:19:17.549	0.3	77.6	5.90	TAS	50.4	1.22	a_e	mb	5.5

Event 20722001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/22	03:01:57.17			41.8600	142.2950				33.0			16		75.96	81.32	m i ke	BGR
OrigID 20722007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20722007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	77.33		P	03:13:47.605	-0.1	34.9		5.48		TAS		8.1	1.03	m_e	mb 4.8
BFO	81.32		P	03:14:09.112		34.9		5.48		TAS		11.0	0.89	m_e	mb 4.9
BSEG	75.96		P	03:13:39.145	-0.0	34.9		5.48		TAS		28.4	1.24	m_e	mb 5.3
CLL	77.15		P	03:13:46.120	-0.1	34.9		5.48		TAS		11.6	0.79	m_e	mb 5.1
CLZ	77.67		P	03:13:49.689	0.2	34.9		5.48		TAS		11.2	0.88	m_e	mb 5.0
FLT1	76.96		P	03:13:45.326	0.3	34.9		5.48		TAS		15.3	0.93	m_e	mb 5.1
FUR	80.36		P	03:14:04.183		34.9		5.48		TAS		47.6	1.20	m_e	mb 5.3
GEC2	78.87		P	03:13:55.731		34.9		5.48		TAS		8.6	1.08	m_e	mb 4.7
GRA1	79.13		P	03:13:57.731		34.9		5.48		TAS		21.6	0.91	m_e	mb 5.2
IBBN	78.18		P	03:13:52.495	-0.4	34.9		5.48		TAS		28.2	1.22	m_e	mb 5.3
KAST	78.88		P	03:13:55.440	-0.4	34.9		5.48		TAS		7.1	0.92	m_e	mb 4.7
MOX	78.20		P	03:13:52.134		34.9		5.48		TAS		5.4	0.87	m_e	mb 4.7
NEUB	77.70		P	03:13:49.716	-0.2	34.9		5.48		TAS		17.3	0.89	m_e	mb 5.2
STU	80.64		P	03:14:05.094		34.9		5.48		TAS		45.8	0.80	m_e	mb 5.6
TANN	78.08		P	03:13:51.665		34.9		5.48		TAS		3.7	1.04	m_e	mb 4.5
WET	78.95		P	03:13:56.120		34.9		5.48		TAS		11.4	0.97	m_e	mb 4.9

Event 20722007 Kermadec Islands region

./bul2207.txt Tue Dec 05 10:50:39 2023 45

2022/07/24 13:45:39.42 65.5230 -17.7630 10.0 21.85 21.85 m i ke BGR
20724009

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 20724009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 21.85 P 13:50:31.802 324.9 9.96 TAS 73.4 1.41 m_e mb 4.9

Event 20725002 Colombia-Ecuador border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/07/25 13:33:36.24 0.4430 -76.7090 33.0 88.34 88.61 m i ke BGR
20725008

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 20725008
Ms 5.5 BGR 20725008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 88.34 P 13:46:24.902 262.3 5.74 TAS 95.6 2.46 m_e mb 5.7
GRA1 88.34 L 14:22:08.713 T__ 1760.4 21.90 a_e Ms 5.4
MOX 88.61 L 14:22:54.101 T__ 2896.7 21.50 a_e Ms 5.7

Event 20726007 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/07/26 22:34:40.00 -20.9100 -178.7870 599.9 150.12 150.12 m i ke USGS
20726025

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 150.12 PKP 22:53:24.764 19.1 1.79 TAS 13.6 0.89 m_e

Event 20727001 Luzon, Philippine Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/07/27 00:43:28.78 17.9080 121.0030 33.0 26 85.98 91.54 m i ke BGR
20727007

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	20727007
MBB	6.8		BGR	20727007
Ms	7.1		BGR	20727007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.59		P	00:56:27.121	0.3	63.6		4.72		TAS		274.3	1.64	m_e	MBB 6.8
ASSE	87.85		P	00:56:14.091	-0.2	63.6		4.72		TAS		260.4	1.50	m_e	MBB 7.0
BFO	90.95		P	00:56:28.517		63.6		4.72		TAS		186.2	1.19	m_e	MBB 6.8
BRG	86.55		P	00:56:08.042	0.1	63.6		4.72		TAS		386.0	1.23	m_e	MBB 6.6
BSEG	87.22		P	00:56:11.532	0.1	63.6		4.72		TAS		185.3	1.14	m_e	MBB 6.5
BUG	90.04		P	00:56:24.329	-0.4	63.6		4.72		TAS		222.2	1.19	m_e	MBB 6.7
CLL	86.91		P	00:56:09.438	-0.1	63.6		4.72		TAS		229.5	1.14	m_e	MBB 6.4
CLZ	88.15		P	00:56:15.953	-0.3	63.6		4.72		TAS		250.8	1.10	m_e	MBB 7.0
FLT1	87.45		P	00:56:11.765	0.0	63.6		4.72		TAS		189.9	1.33	m_e	MBB 6.6
FUR	89.28		P	00:56:21.304		63.6		4.72		TAS		387.6	1.10	m_e	MBB 6.9
GEC2	87.54		P	00:56:12.928	0.3	63.6		4.72		TAS		144.4	1.17	m_e	MBB 6.8
GOR1	87.12		P	00:56:11.067	-0.0	63.6		4.72		TAS		1276.5	2.21	m_e	MBB 6.7
GRA1	88.64		P	00:56:18.279	-0.2	63.6		4.72		TAS		178.4	1.36	m_e	mb 6.1
GRA1	88.64		L	01:39:13.899						T__		70794.3	19.80	a_e	Ms 7.1
GTTG	88.51		P	00:56:17.349	0.1	63.6		4.72		TAS		210.7	1.03	m_e	MBB 6.6
IBBN	89.35		P	00:56:21.304	0.3	63.6		4.72		TAS		430.3	1.20	m_e	MBB 6.8
KAST	89.53		P	00:56:22.235	-0.1	63.6		4.72		TAS		158.8	1.31	m_e	MBB 6.7
MOX	87.98		P	00:56:14.789	-0.1	63.6		4.72		TAS		145.1	1.28	m_e	MBB 6.9
MOX	87.98		L	01:39:01.266						T__		72709.9	20.50	a_e	Ms 7.1
NEUB	87.66		P	00:56:12.928	-0.1	63.6		4.72		TAS		211.8	1.04	m_e	MBB 6.9
PLN	87.75		P	00:56:13.859	0.3	63.6		4.72		TAS		44.4	1.10	m_e	MBB 6.3
RUE	85.98		P	00:56:05.483	-0.1	63.6		4.72		TAS		933.0	1.17	m_e	MBB 7.0
STU	90.24		P	00:56:25.260	-0.3	63.6		4.72		TAS		305.9	1.04	m_e	MBB 6.8
TANN	87.60		P	00:56:12.928	0.3	63.6		4.72		TAS		112.4	1.15	m_e	MBB 6.8
TNS	89.98		P	00:56:24.562	0.3	63.6		4.72		TAS		155.3	1.21	m_e	MBB 6.8
UBR	90.20		P	00:56:25.027		63.6		4.72		TAS		367.7	1.17	m_e	MBB 6.7
WET	87.90		P	00:56:14.719	-0.3	63.6		4.72		TAS		241.9	1.67	m_e	MBB 7.0
WLF	91.54		P	00:56:32.007	0.2	63.6		4.72		TAS		304.7	1.24	m_e	MBB 6.8

Event 20727002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/27	16:16:47.00			-23.5330	-179.6880				545.0					152.45	152.45	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.45		PKPab	16:35:56.126		22.1		4.07		TAS				m_e	

Event 20727003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/27	17:29:20.00			-26.9380	-176.4160				10.0					156.45	156.45	m i ke	USGS

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	156.45		PKPab	17:49:44.607		17.3		3.98		TAS					m_e

Event 20728002 Near coast of northern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/28	04:15:05.00			-21.9340	-70.3400				54.0					101.23	101.80	m i ke	USGS

Magnitude Err Nsta Author OrigID
Ms 5.6 BGR 20728008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.23		Pdiff	04:28:48.789		249.4		5.34		TAS		75.0	1.82	m_e	
GRA1	101.23		PP	04:32:54.908		249.4		7.02		TAS				m_e	
GRA1	101.23		L	05:13:15.402						T__		1761.9	21.40	a_e Ms	5.5
MOX	101.80		L	05:09:47.173						T__		2176.6	21.40	a_e Ms	5.6

Event 20728006 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/28	18:28:22.00			-7.0320	146.7440				10.0					123.52	123.52	m i ke	USGS

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	123.52		PKIKP	18:47:19.243						T__					m_e

Event 20728007 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/28	19:52:32.02			32.6700	142.7020				33.0					86.39	87.29	m i ke	BGR
OrigID 20728013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20728013
Ms	5.0		BGR	20728013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	87.29		P	20:05:14.747		44.1		4.30		TAS		62.4	1.40	m_e	mb 5.5
GRA1	87.29		L	20:49:40.675						T__		626.6	18.70	a_e	Ms 5.0
MOX	86.39		L	20:50:06.311						T__		449.6	19.70	a_e	Ms 4.9

Event 20729004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/29	02:20:01.10			-20.6010	-177.9680				572.0				19	144.96	152.12	m i ke	BGR
OrigID 20729010																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.74		PKPbc	02:38:42.167	0.1	17.4		2.46		TAS				m_e	
BRG	148.29		PKPbc	02:38:43.648	0.2	17.4		2.46		TAS				m_e	
BSEG	146.04		PKPbc	02:38:37.661	-0.2	17.4		2.46		TAS				m_e	
CLL	148.09		PKPbc	02:38:43.085	-0.0	17.4		2.46		TAS				m_e	
CLZ	148.06		PKPbc	02:38:43.290	0.2	17.4		2.46		TAS				m_e	
FLT1	147.45		PKPbc	02:38:41.263	0.1	17.4		2.46		TAS				m_e	
FUR	151.43		PKPbc	02:38:50.899		17.4		2.46		TAS				m_e	
GEC2	150.23		PKPbc	02:38:48.294		17.4		2.46		TAS				m_e	
GTTG	148.41		PKPbc	02:38:44.026	0.2	17.4		2.46		TAS				m_e	
IBBN	147.96		PKPbc	02:38:42.749	0.1	17.4		2.46		TAS				m_e	
KAST	148.96		PKPbc	02:38:45.336	-0.1	17.4		2.46		TAS				m_e	
MOX	149.00		PKPbc	02:38:45.467	0.2	17.4		2.46		TAS				m_e	
NEUB	148.44		PKPbc	02:38:44.089	0.3	17.4		2.46		TAS				m_e	
PLN	149.04		PKPbc	02:38:45.599	-0.3	17.4		2.46		TAS				m_e	
RGN	144.96		PKPbc	02:38:32.604		17.4		2.46		TAS				m_e	
RUE	146.83		PKPbc	02:38:39.717	-0.2	17.4		2.46		TAS				m_e	
TANN	149.04		PKPbc	02:38:45.694	-0.4	17.4		2.46		TAS				m_e	
TNS	149.92		PKPbc	02:38:47.820		17.4		2.46		TAS				m_e	
UBR	152.12		PKPbc	02:38:52.532		17.4		2.46		TAS				m_e	
WLF	150.72		PKPbc	02:38:50.113		17.4		2.46		TAS				m_e	

Event 20729005 Tuva-Buryatia-Mongolia border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/29	13:01:14.02			49.5130	90.3240				10.0			27		45.38	51.67	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	20729011
Ms	5.2		BGR	20729011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	50.68		P	13:10:12.021	-0.0	58.0		7.69		TAS		110.5	1.37	m_e mb	5.6
ASSE	47.93		P	13:09:50.424	-0.3	58.0		7.69		TAS		57.6	1.26	m_e mb	5.6
BFO	51.24		P	13:10:15.777		58.0		7.69		TAS		27.2	1.00	m_e mb	5.1
BRG	46.79		P	13:09:41.902	-0.4	58.0		7.69		TAS		110.0	1.58	m_e mb	5.7
BSEG	47.22		P	13:09:45.316	0.6	58.0		7.69		TAS		63.7	0.91	a_e mb	5.8
BUG	50.09		P	13:10:07.335	-0.4	58.0		7.69		TAS		59.6	1.01	m_e mb	5.5
CLL	47.09		P	13:09:44.066	-0.5	58.0		7.69		TAS		63.9	0.96	a_e mb	5.7
CLZ	48.24		P	13:09:53.193	0.0	58.0		7.69		TAS		53.5	1.17	m_e mb	5.6
FLT1	47.53		P	13:09:47.066	-0.6	58.0		7.69		TAS		35.5	0.88	a_e mb	5.5
FUR	49.69		P	13:10:05.316	0.0	58.0		7.69		TAS		58.6	0.88	a_e mb	5.5
GEC2	47.96		P	13:09:51.484	0.3	58.0		7.69		TAS		73.6	1.65	m_e mb	5.5
GOR1	47.17		P	13:09:45.075	0.4	58.0		7.69		TAS		292.8	1.64	m_e mb	6.2
GRA1	48.90		P	13:09:58.971	0.1	58.0		7.69		TAS		198.8	1.53	m_e mb	5.9
GRA1	48.90		L	13:29:10.545						T__		2631.6	20.80	a_e Ms	5.2
GTTG	48.61		P	13:09:56.516	0.0	58.0		7.69		TAS		136.3	0.93	m_e mb	6.0
IBBN	49.37		P	13:10:01.516	0.8	58.0		7.69		TAS		96.5	1.17	a_e mb	5.7
KAST	49.61		P	13:10:03.814	0.1	58.0		7.69		TAS		46.2	1.14	m_e mb	5.3
MOX	48.18		P	13:09:52.992	0.0	58.0		7.69		TAS		63.9	1.20	m_e mb	5.6
MOX	48.18		L	13:28:20.359						T__		2345.9	21.50	a_e Ms	5.1
NEUB	47.82		P	13:09:49.669	-0.4	58.0		7.69		TAS		70.8	1.04	m_e mb	5.7
PLN	47.97		P	13:09:51.286	-0.1	58.0		7.69		TAS		16.8	1.00	m_e mb	5.1
RGN	45.38		P	13:09:30.766	0.1	58.0		7.69		TAS				a_e	
RUE	46.10		P	13:09:36.416	-0.4	58.0		7.69		TAS		111.8	0.87	a_e mb	5.9
STU	50.51		P	13:10:10.572	0.0	58.0		7.69		TAS		500.5	1.78	m_e mb	6.2
TANN	47.84		P	13:09:50.416	0.1	58.0		7.69		TAS		111.9	1.66	a_e mb	5.7
TNS	50.12		P	13:10:07.850	-0.1	58.0		7.69		TAS		137.6	1.70	m_e mb	5.6
UBR	50.61		P	13:10:11.502	-0.7	58.0		7.69		TAS		500.2	2.83	m_e mb	6.0
WET	48.27		P	13:09:53.988	0.4	58.0		7.69		TAS		120.6	1.70	m_e mb	5.8
WLF	51.67		P	13:10:19.618		58.0		7.69		TAS		49.7	1.32	m_e mb	5.3

Event 20729006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/07/29 16:39:21.29 44.7190 149.0630 10.0 25 75.49 81.05 m i ke BGR
 20729012

Magnitude Err Nsta Author OrigID
 mb 5.4 BGR 20729012
 Ms 5.0 BGR 20729012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.42		P	16:51:26.123	-0.3	29.1		5.50		TAS		38.4	1.07	a_e mb	5.3
ASSE	76.97		P	16:51:12.702	0.0	29.1		5.50		TAS				m_e	
BFO	81.03		P	16:51:34.573		29.1		5.50		TAS		29.5	1.13	a_e mb	5.2
BRG	77.04		P	16:51:12.805	0.2	29.1		5.50		TAS		21.4	1.04	m_e mb	5.2
BSEG	75.49		P	16:51:04.443	0.1	29.1		5.50		TAS		323.0	2.14	m_e mb	6.1
BUG	78.56		P	16:51:21.592	0.0	29.1		5.50		TAS		66.1	1.41	m_e mb	5.5
CLL	76.97		P	16:51:12.415	0.1	29.1		5.50		TAS		43.8	0.73	m_e mb	5.7
CLZ	77.31		P	16:51:14.773	-0.1	29.1		5.50		TAS		109.1	1.42	a_e mb	5.8
FLT1	76.62		P	16:51:10.374	-0.2	29.1		5.50		TAS		45.2	1.00	m_e mb	5.5
FUR	80.25		P	16:51:31.162	-0.4	29.1		5.50		TAS		48.6	0.96	m_e mb	5.4
GEC2	78.86		P	16:51:22.997	0.6	29.1		5.50		TAS		16.1	0.87	m_e mb	5.1
GOR1	76.03		P	16:51:07.696	-0.4	29.1		5.50		TAS		227.1	1.74	m_e mb	6.0
GRA1	78.93		P	16:51:24.021	0.5	29.1		5.50		TAS		60.5	0.97	m_e mb	5.6
GRA1	78.93		L	17:25:44.682						T__		578.4	20.90	a_e Ms	4.9
GTTG	77.69		P	16:51:16.623	-0.5	29.1		5.50		TAS		50.0	1.06	a_e mb	5.6
IBBN	77.65		P	16:51:16.349	0.1	29.1		5.50		TAS		30.4	0.82	m_e mb	5.5
KAST	78.45		P	16:51:20.823	0.2	29.1		5.50		TAS		53.5	1.45	a_e mb	5.4
MOX	77.98		P	16:51:18.290	0.5	29.1		5.50		TAS		28.6	1.17	m_e mb	5.3
MOX	77.98		L	17:30:33.994						T__		933.8	18.70	a_e Ms	5.1
NEUB	77.45		P	16:51:15.167	0.0	29.1		5.50		TAS				m_e	
PLN	77.95		P	16:51:17.489	-0.0	29.1		5.50		TAS		7.4	0.98	m_e mb	4.8
RUE	75.72		P	16:51:05.807	0.2	29.1		5.50		TAS		47.5	0.83	m_e mb	5.7
STU	80.37		P	16:51:31.318		29.1		5.50		TAS		134.8	1.19	m_e mb	5.8
TANN	77.91		P	16:51:17.723	0.1	29.1		5.50		TAS		13.9	0.98	a_e mb	5.0
TNS	79.31		P	16:51:25.473	-0.1	29.1		5.50		TAS		32.5	1.20	a_e mb	5.2
UBR	81.05		P	16:51:34.819		29.1		5.50		TAS		25.0	1.22	m_e mb	5.1
WET	78.87		P	16:51:23.657	-0.1	29.1		5.50		TAS		47.2	0.99	m_e mb	5.5

Event 20729007 Southeast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/07/29 18:01:00.15 32.7700 142.4800 33.0 26 83.94 89.35 m i ke BGR
 20729013

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 20729013
 Ms 4.8 BGR 20729013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.06		P	18:13:48.256	0.1	39.4		4.83		TAS		20.7	1.06	a_e mb	5.4
ASSE	85.43		P	18:13:35.306	-0.2	39.4		4.83		TAS		13.8	0.97	m_e mb	5.0
BFO	89.35		P	18:13:53.906		39.4		4.83		TAS		7.9	0.88	a_e mb	5.0
BRG	85.08		P	18:13:33.606	0.2	39.4		4.83		TAS		19.4	1.00	m_e mb	5.3
BSEG	84.16		P	18:13:29.106	-0.1	39.4		4.83		TAS		22.3	0.84	a_e mb	5.4
BUG	87.27		P	18:13:44.006	-0.1	39.4		4.83		TAS		29.7	1.02	a_e mb	5.4
CLL	85.14		P	18:13:33.656	-0.0	39.4		4.83		TAS		52.9	1.01	a_e mb	5.7
CLZ	85.77		P	18:13:37.306	-0.3	39.4		4.83		TAS		48.2	1.06	a_e mb	5.6
FLT1	85.06		P	18:13:32.956	0.1	39.4		4.83		TAS		32.8	0.87	a_e mb	5.6
GEC2	86.71		P	18:13:41.406	0.0	39.4		4.83		TAS		14.9	1.61	a_e mb	4.9
GEC2	86.71		PP	18:17:04.988						T__				m_e	
GOR1	84.52		P	18:13:31.106	-0.1	39.4		4.83		TAS		49.2	1.28	a_e mb	5.6
GRA1	87.11		P	18:13:44.056	-0.2	39.4		4.83		TAS		32.0	1.18	a_e mb	5.3
GRA1	87.11		L	19:00:47.689						T__		382.0	18.00	a_e Ms	4.8
GTTG	86.16		P	18:13:39.006	0.0	39.4		4.83		TAS		56.8	1.22	a_e mb	5.6
IBBN	86.39		P	18:13:39.956	0.3	39.4		4.83		TAS		62.5	0.94	a_e mb	5.7
KAST	87.03		P	18:13:43.106	0.1	39.4		4.83		TAS		23.1	1.10	a_e mb	5.2
MOX	86.21		P	18:13:39.256	0.2	39.4		4.83		TAS		21.8	1.20	a_e mb	5.2
MOX	86.21		L	18:59:44.302						T__		352.2	20.30	a_e Ms	4.8
NEUB	85.72		P	18:13:36.706	0.1	39.4		4.83		TAS		96.2	1.26	a_e mb	5.8
PLN	86.11		P	18:13:38.856	0.4	39.4		4.83		TAS		10.0	1.45	a_e mb	4.7
RUE	83.94		P	18:13:28.006	-0.1	39.4		4.83		TAS		54.8	1.14	a_e mb	5.7
STU	88.65		P	18:13:50.706	-0.5	39.4		4.83		TAS		35.9	0.96	a_e mb	5.6
TANN	86.04		P	18:13:38.456	0.6	39.4		4.83		TAS		19.7	1.47	a_e mb	5.0
TANN	86.04		PP	18:16:57.804						T__				m_e	
TNS	87.80		P	18:13:46.906	0.4	39.4		4.83		TAS		10.7	1.11	a_e mb	5.1
UBR	89.14		P	18:13:52.756		39.4		4.83		TAS				a_e	
WET	86.83		P	18:13:42.506	-0.4	39.4		4.83		TAS		7.6	1.10	a_e mb	4.7
WLF	89.12		P	18:13:53.656	-0.1	39.4		4.83		TAS		24.3	1.41	a_e mb	5.2

Event 20729008 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/29	19:49:40.78			32.7110	142.0760				33.0			24		83.83	89.24	m i ke	BGR
OrigID 20729014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20729014
Ms	4.7		BGR	20729014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.97		P	20:02:26.531	-0.5	39.6		4.86		TAS		13.4	1.09	a_e mb	5.2
ASSE	85.33		P	20:02:13.581	0.3	39.6		4.86		TAS		11.7	0.87	a_e mb	5.1
BFO	89.24		P	20:02:32.131		39.6		4.86		TAS		9.5	0.89	a_e mb	5.0

BRG	84.96	P	20:02:11.831	-0.0	39.6	4.86	TAS	17.4	0.88	m_e	mb	5.3
BSEG	84.06	P	20:02:07.381	0.0	39.6	4.86	TAS	21.9	0.84	a_e	mb	5.4
BUG	87.17	P	20:02:22.400	-0.1	39.6	4.86	TAS	23.8	0.84	m_e	mb	5.3
CLL	85.02	P	20:02:11.881	0.0	39.6	4.86	TAS	49.4	0.85	a_e	mb	5.8
CLZ	85.67	P	20:02:15.581	0.1	39.6	4.86	TAS	37.5	0.92	a_e	mb	5.5
FLT1	84.95	P	20:02:11.281	-0.2	39.6	4.86	TAS	40.1	0.89	a_e	mb	5.7
GEC2	86.58	P	20:02:19.412	0.4	39.6	4.86	TAS	4.8	1.05	m_e	mb	4.6
GOR1	84.42	P	20:02:09.175	-0.5	39.6	4.86	TAS	23.3	1.10	m_e	mb	5.3
GRA1	86.99	P	20:02:22.093	0.1	39.6	4.86	TAS	14.0	1.04	m_e	mb	5.0
GRA1	86.99	L	20:48:49.260				T__	260.4	18.10	a_e	Ms	4.7
GTTG	86.06	P	20:02:17.281	-0.3	39.6	4.86	TAS	35.0	0.79	a_e	mb	5.5
IBBN	86.29	P	20:02:18.231	0.0	39.6	4.86	TAS	52.6	0.82	a_e	mb	5.7
KAST	86.93	P	20:02:21.381	-0.0	39.6	4.86	TAS	15.2	0.87	a_e	mb	5.1
MOX	86.09	P	20:02:17.374	0.2	39.6	4.86	TAS	12.3	0.99	m_e	mb	5.0
MOX	86.09	L	20:48:08.703				T__	324.8	22.00	a_e	Ms	4.7
NEUB	85.61	P	20:02:14.981	0.1	39.6	4.86	TAS	43.7	0.93	a_e	mb	5.6
PLN	86.00	P	20:02:16.982	-0.1	39.6	4.86	TAS	3.4	1.03	m_e	mb	4.4
RUE	83.83	P	20:02:06.331	-0.1	39.6	4.86	TAS			a_e		
STU	88.54	P	20:02:29.080		39.6	4.86	TAS	28.9	0.81	m_e	mb	5.5
TANN	85.92	P	20:02:16.689	0.0	39.6	4.86	TAS	5.3	0.97	m_e	mb	4.6
TNS	87.69	P	20:02:25.081	0.3	39.6	4.86	TAS	6.2	0.97	a_e	mb	4.9
WET	86.71	P	20:02:20.572	-0.1	39.6	4.86	TAS	7.2	1.18	m_e	mb	4.7
WLF	89.02	P	20:02:31.881		39.6	4.86	TAS	15.7	1.28	a_e	mb	5.1

Event 20729009 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/29	22:40:41.02			-32.5100	-178.4300				519.0			26		157.62	163.46	m i ke	BGR
	20729015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	161.45		PKPab	23:00:28.070	0.0	24.0		4.34		TAS				a_e	
ASSE	159.23		PKPab	23:00:18.456	0.5	24.0		4.34		TAS				m_e	
BFO	163.32		PKPab	23:00:35.970		24.0		4.34		TAS				a_e	
BRG	159.45		PKPab	23:00:19.070	0.2	24.0		4.34		TAS				m_e	
BSEG	157.62		PKPab	23:00:11.556	0.2	24.0		4.34		TAS				m_e	
BUG	160.55		PKPab	23:00:23.670	-0.1	24.0		4.34		TAS				a_e	
CLL	159.37		PKPab	23:00:18.522	-0.1	24.0		4.34		TAS				m_e	
CLZ	159.57		PKPab	23:00:20.133	0.4	24.0		4.34		TAS				m_e	
FLT1	158.91		PKPab	23:00:16.598	-0.3	24.0		4.34		TAS				m_e	
FUR	162.67		PKPab	23:00:33.420		24.0		4.34		TAS				a_e	
GEC2	161.26		PKPab	23:00:26.820	-0.1	24.0		4.34		TAS				m_e	
GOR1	158.29		PKPab	23:00:14.233	0.3	24.0		4.34		TAS				m_e	
GRA1	161.32		PKPab	23:00:27.720	-0.2	24.0		4.34		TAS				a_e	

GTTG	159.94	PKPab	23:00:21.648	-0.0	24.0	4.34	TAS	m_e
IBBN	159.63	PKPab	23:00:20.317	-0.0	24.0	4.34	TAS	m_e
KAST	160.58	PKPab	23:00:24.020	-0.8	24.0	4.34	TAS	a_e
MOX	160.35	PKPab	23:00:23.020	0.4	24.0	4.34	TAS	a_e
NEUB	159.82	PKPab	23:00:20.847	0.0	24.0	4.34	TAS	m_e
PLN	160.34	PKPab	23:00:23.070	-0.2	24.0	4.34	TAS	a_e
RUE	158.11	PKPab	23:00:13.536	-0.2	24.0	4.34	TAS	m_e
STU	162.70	PKPab	23:00:33.270	0.7	24.0	4.34	TAS	a_e
TANN	160.32	PKPab	23:00:22.970	-0.8	24.0	4.34	TAS	a_e
TNS	161.50	PKPab	23:00:28.120	0.1	24.0	4.34	TAS	a_e
UBR	163.46	PKPab	23:00:37.299		24.0	4.34	TAS	m_e
WET	161.29	PKPab	23:00:27.370	-0.1	24.0	4.34	TAS	a_e
WLF	162.44	PKPab	23:00:32.671	0.0	24.0	4.34	TAS	m_e

Event 20729010 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/29	23:05:46.91			50.4080	159.9500				33.0			26		71.63	78.77	m i ke	BGR
20729016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	20729016
Ms	5.2		BGR	20729016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.67		P	23:17:33.165	0.2	19.9		5.67		TAS		83.2	1.23	m_e mb	5.7
BFO	78.53		P	23:17:43.665		19.9		5.67		TAS		93.0	1.44	a_e mb	5.6
BRG	74.90		P	23:17:22.765	-0.2	19.9		5.67		TAS		36.1	1.22	a_e mb	5.3
BSEG	72.82		P	23:17:10.717	-0.7	19.9		5.67		TAS		115.3	1.30	m_e mb	5.8
BUG	75.78		P	23:17:27.756	-0.0	19.9		5.67		TAS		114.3	1.21	m_e mb	5.9
CLL	74.71		P	23:17:21.465	-0.5	19.9		5.67		TAS		147.5	1.52	a_e mb	5.8
CLZ	74.78		P	23:17:22.715	0.1	19.9		5.67		TAS		124.7	1.30	m_e mb	5.8
FLT1	74.14		P	23:17:18.065	0.2	19.9		5.67		TAS		100.4	1.42	a_e mb	5.7
FUR	78.05		P	23:17:41.265		19.9		5.67		TAS		145.6	1.40	a_e mb	5.9
GEC2	76.85		P	23:17:34.415	0.1	19.9		5.67		TAS		32.0	1.16	a_e mb	5.3
GOR1	73.51		P	23:17:15.215	-0.8	19.9		5.67		TAS		305.4	1.71	a_e mb	6.0
GRA1	76.63		P	23:17:33.411	0.4	19.9		5.67		TAS		125.0	1.25	m_e mb	5.9
GRA1	76.63		L	23:53:08.906						T__		1308.4	21.60	a_e Ms	5.2
GTTG	75.15		P	23:17:24.665	-0.1	19.9		5.67		TAS		64.9	1.19	a_e mb	5.5
IBBN	74.86		P	23:17:22.765	0.1	19.9		5.67		TAS		103.1	1.17	a_e mb	5.8
KAST	75.78		P	23:17:28.235	-0.0	19.9		5.67		TAS		65.8	1.11	m_e mb	5.7
MOX	75.64		P	23:17:27.267	-0.4	19.9		5.67		TAS		81.4	1.40	m_e mb	5.7
MOX	75.64		L	23:52:50.366						T__		1030.0	21.60	a_e Ms	5.1
NEUB	75.09		P	23:17:24.394	0.5	19.9		5.67		TAS		84.6	1.27	m_e mb	5.6
PLN	75.67		P	23:17:27.531	0.4	19.9		5.67		TAS		44.9	1.60	m_e mb	5.3
RGN	71.63		P	23:17:06.423	1.8	19.9		5.67		TAS		534.5	1.59	m_e mb	6.4

RUE	73.45	P	23:17:14.465	-0.1	19.9	5.67	TAS	330.3	1.88	a_e	mb	6.0
STU	77.93	P	23:17:40.315	-0.1	19.9	5.67	TAS	277.2	1.59	a_e	mb	6.1
TANN	75.67	P	23:17:28.066	0.1	19.9	5.67	TAS	97.9	1.68	m_e	mb	5.7
TNS	76.71	P	23:17:33.441	0.8	19.9	5.67	TAS	58.3	1.08	m_e	mb	5.6
UBR	78.77	P	23:17:45.052		19.9	5.67	TAS	77.4	1.32	m_e	mb	5.6
WET	76.76	P	23:17:34.172	-0.1	19.9	5.67	TAS	139.2	1.58	m_e	mb	5.8
WLF	77.69	P	23:17:39.778	-0.2	19.9	5.67	TAS	243.8	1.82	m_e	mb	6.0

Event 20730003 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/30	06:05:31.92			43.8130	148.7720				33.0			15		76.24	80.17	m i ke	BGR
OrigID 20730009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20730009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.17	P		06:17:37.883		29.7		5.44		TAS		7.6	1.02	m_e	mb	4.6
BRG	77.75	P		06:17:24.362	0.1	29.7		5.44		TAS		5.4	1.01	m_e	mb	4.6
BSEG	76.24	P		06:17:16.651	-0.5	29.7		5.44		TAS		6.2	0.85	m_e	mb	4.8
CLL	77.68	P		06:17:24.134	0.1	29.7		5.44		TAS		12.2	0.92	m_e	mb	5.0
CLZ	78.04	P		06:17:26.760	-0.9	29.7		5.44		TAS		13.6	1.21	m_e	mb	5.0
FLT1	77.36	P		06:17:22.078	0.3	29.7		5.44		TAS		6.5	0.58	m_e	mb	5.0
GEC2	79.56	P		06:17:34.194		29.7		5.44		TAS		7.8	1.29	m_e	mb	4.5
GRA1	79.65	P		06:17:35.278		29.7		5.44		TAS		12.0	0.89	m_e	mb	4.8
GTTG	78.43	P		06:17:28.667	0.4	29.7		5.44		TAS		12.0	1.08	m_e	mb	4.8
IBBN	78.41	P		06:17:28.352	0.2	29.7		5.44		TAS		15.7	1.20	m_e	mb	4.9
KAST	79.19	P		06:17:31.630		29.7		5.44		TAS		15.5	1.66	m_e	mb	4.8
MOX	78.70	P		06:17:29.979		29.7		5.44		TAS		5.6	1.16	m_e	mb	4.5
NEUB	78.17	P		06:17:27.381	-0.3	29.7		5.44		TAS		9.5	0.69	m_e	mb	5.0
TANN	78.63	P		06:17:29.627	0.0	29.7		5.44		TAS		2.7	0.72	m_e	mb	4.4
WET	79.58	P		06:17:35.119		29.7		5.44		TAS		8.1	0.89	m_e	mb	4.7

Event 20731002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/31	04:03:21.26			-16.6300	-175.3200				252.0			16		143.91	148.62	m i ke	BGR
OrigID 20731008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	144.17	PKPbc	04:22:24.852	-0.3	10.2	3.03	TAS	m_e
BRG	144.95	PKPbc	04:22:27.683	0.1	10.2	3.03	TAS	m_e
CLL	144.68	PKPbc	04:22:26.450	0.1	10.2	3.03	TAS	m_e
CLZ	144.49	PKPbc	04:22:26.415	0.2	10.2	3.03	TAS	m_e
FLT1	143.91	PKPbc	04:22:23.644	0.1	10.2	3.03	TAS	m_e
GEC2	146.95	PKPbc	04:22:33.525		10.2	3.03	TAS	m_e
GRA1	146.51	PKPbc	04:22:33.697		10.2	3.03	TAS	m_e
GTTG	144.82	PKPbc	04:22:27.001	0.1	10.2	3.03	TAS	m_e
IBBN	144.23	PKPbc	04:22:25.139	0.1	10.2	3.03	TAS	m_e
MOX	145.52	PKPbc	04:22:28.905		10.2	3.03	TAS	m_e
NEUB	144.96	PKPbc	04:22:27.587	1.5	10.2	3.03	TAS	m_e
PLN	145.60	PKPbc	04:22:29.649		10.2	3.03	TAS	m_e
TANN	145.63	PKPbc	04:22:29.693		10.2	3.03	TAS	m_e
TNS	146.26	PKPbc	04:22:31.571		10.2	3.03	TAS	m_e
UBR	148.62	PKPbc	04:22:37.626		10.2	3.03	TAS	m_e
WLF	146.93	PKPbc	04:22:33.826		10.2	3.03	TAS	m_e

Event 20731003 Off coast of Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/31	13:42:17.34			24.6000	62.6800				33.0			27		45.13	50.13	m i ke	BGR
20731009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	20731009
Ms	4.9		BGR	20731009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	49.68		P	13:51:07.237	-0.3	103.6		7.79		TAS		292.9	1.76	a_e mb	5.9
AHRW	49.68		PcP	13:52:27.697		101.5		3.49		TAS				m_e	
ASSE	47.81		P	13:50:51.987	0.2	103.6		7.79		TAS		134.2	1.38	a_e mb	5.9
BFO	48.51		P	13:50:56.587	0.0	103.6		7.79		TAS		188.8	2.36	a_e mb	5.7
BRG	45.51		P	13:50:34.237	0.0	103.6		7.79		TAS		59.9	1.35	a_e mb	5.5
BRG	45.51		PcP	13:52:12.656		101.5		3.49		TAS				m_e	
BSEG	48.49		P	13:50:56.937	0.5	103.6		7.79		TAS		92.6	1.17	a_e mb	5.7
BUG	49.72		P	13:51:06.937	0.1	103.6		7.79		TAS		161.9	1.01	a_e mb	5.9
CLL	46.20		P	13:50:39.737	0.2	103.6		7.79		TAS		187.2	1.04	a_e mb	6.0
CLZ	47.92		P	13:50:53.237	-0.7	103.6		7.79		TAS		174.6	1.16	a_e mb	6.1
FLT1	47.53		P	13:50:49.387	0.0	103.6		7.79		TAS		101.8	0.94	a_e mb	5.9
FUR	46.55		P	13:50:41.996	0.0	103.6		7.79		TAS		93.9	1.13	m_e mb	5.8
GEC2	45.13		P	13:50:31.187	0.1	103.6		7.79		TAS		205.6	1.28	a_e mb	5.9
GEC2	45.13		PcP	13:52:11.359		101.5		3.49		TAS				m_e	
GOR1	47.67		P	13:50:50.737	-0.1	103.6		7.79		TAS		166.5	1.24	a_e mb	6.0
GRA1	46.90		P	13:50:45.487	0.5	103.6		7.79		TAS		267.1	1.27	a_e mb	6.2
GRA1	46.90		L	14:15:00.229						T__		1074.4	21.10	a_e Ms	4.8
GTTG	48.10		P	13:50:54.587	-0.6	103.6		7.79		TAS		99.5	1.04	a_e mb	5.9

GTTG	48.10	PcP	13:52:21.181	101.5	3.49	TAS												m_e	
HLG	49.94	P	13:51:07.887	103.6	7.79	TAS	450.0	1.41	a_e	mb									6.2
IBBN	49.60	P	13:51:05.887	-0.1 103.6	7.79	TAS	210.6	1.11	a_e	mb									6.0
KAST	48.97	P	13:51:01.487	0.5 103.6	7.79	TAS	119.9	1.31	a_e	mb									5.8
KAST	48.97	PcP	13:52:24.188	101.5	3.49	TAS													m_e
MOX	46.88	P	13:50:45.037	0.1 103.6	7.79	TAS	105.5	1.27	m_e	mb									5.8
MOX	46.88	L	14:15:25.889			T__	2132.6	20.00	a_e	Ms									5.1
NEUB	46.92	P	13:50:45.337	0.1 103.6	7.79	TAS	156.0	0.94	a_e	mb									6.1
PLN	46.50	P	13:50:41.937	-0.0 103.6	7.79	TAS	27.6	1.82	a_e	mb									5.1
PLN	46.50	PcP	13:52:15.879	101.5	3.49	TAS													m_e
RUE	46.08	P	13:50:38.193	-0.2 103.6	7.79	TAS	79.1	1.03	m_e	mb									5.7
RUE	46.08	PcP	13:52:14.311	101.5	3.49	TAS													m_e
STU	48.02	P	13:50:52.837	0.2 103.6	7.79	TAS	280.5	1.16	a_e	mb									6.3
TANN	46.30	P	13:50:40.487	0.1 103.6	7.79	TAS	137.2	2.19	a_e	mb									5.6
TANN	46.30	PcP	13:52:14.797	101.5	3.49	TAS													m_e
TNS	48.76	P	13:51:00.037	0.3 103.6	7.79	TAS	202.7	1.26	m_e	mb									6.0
UBR	47.23	P	13:50:47.187	-0.4 103.6	7.79	TAS	219.0	1.19	a_e	mb									6.2
WET	45.72	P	13:50:35.487	-0.3 103.6	7.79	TAS	3354.0	5.14	a_e	mb									6.6
WET	45.72	PcP	13:52:13.359	101.5	3.49	TAS													m_e
WLF	50.13	P	13:51:10.187	103.6	7.79	TAS	116.5	1.15	a_e	mb									5.7

Event 20731004 Off coast of Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/31	13:52:19.74			24.7900	63.1500				33.0			23		45.29	50.30	m i ke	BGR
	20731010																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20731010
Ms	4.9		BGR	20731010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	49.84	P		14:01:10.635		103.1		7.84		TAS		11.1	0.85	a_e	mb	4.8
AHRW	49.84	PcP		14:02:30.588		101.2		3.62		TAS				m_e		
ASSE	47.95	P		14:00:55.485	0.1	103.1		7.84		TAS		14.4	1.09	a_e	mb	5.0
BFO	48.69	P		14:01:01.935	0.1	103.1		7.84		TAS		3.9	0.95	m_e	mb	4.4
BFO	48.69	PcP		14:02:26.251		101.2		3.62		TAS				m_e		
BRG	45.66	P		14:00:37.835	0.2	103.1		7.84		TAS		5.2	0.99	a_e	mb	4.5
BRG	45.66	PcP		14:02:15.576		101.2		3.62		TAS				m_e		
BSEG	48.61	P		14:01:00.435	-0.2	103.1		7.84		TAS		10.4	0.81	a_e	mb	4.9
BUG	49.87	P		14:01:10.535		103.1		7.84		TAS		31.8	0.89	a_e	mb	5.2
CLL	46.34	P		14:00:43.285	0.2	103.1		7.84		TAS		30.6	0.87	m_e	mb	5.3
CLZ	48.06	P		14:00:56.735	0.9	103.1		7.84		TAS		32.4	1.12	a_e	mb	5.4
CLZ	48.06	PcP		14:02:23.648		101.2		3.62		TAS				m_e		
FLT1	47.67	P		14:00:52.885	-0.9	103.1		7.84		TAS		21.6	0.78	a_e	mb	5.3
FLT1	47.67	PcP		14:02:21.862		101.2		3.62		TAS				m_e		

GEC2	45.29	P	14:00:34.685	-0.0	103.1	7.84	TAS	24.9	1.11	a_e	mb	5.0
GEC2	45.29	PcP	14:02:14.107		101.2	3.62	TAS			m_e		
GOR1	47.79	P	14:00:54.285	0.1	103.1	7.84	TAS	29.1	1.25	a_e	mb	5.3
GRA1	47.06	P	14:00:49.035	-0.4	103.1	7.84	TAS	33.8	1.10	a_e	mb	5.4
GRA1	47.06	PcP	14:02:20.631		101.2	3.62	TAS			m_e		
GRA1	47.06	L	14:15:00.225				T__	1074.4	21.10	a_e	Ms	4.8
GTTG	48.25	P	14:00:58.085	0.1	103.1	7.84	TAS	19.4	0.90	a_e	mb	5.2
IBBN	49.74	P	14:01:09.435		103.1	7.84	TAS	26.5	0.80	a_e	mb	5.2
KAST	49.12	P	14:01:04.985		103.1	7.84	TAS	11.0	0.80	a_e	mb	4.9
MOX	47.03	P	14:00:48.585	-0.1	103.1	7.84	TAS	15.5	1.14	a_e	mb	5.0
MOX	47.03	L	14:15:25.867				T__	2132.6	20.00	a_e	Ms	5.1
NEUB	47.06	P	14:00:48.885	0.1	103.1	7.84	TAS	33.3	0.87	a_e	mb	5.5
RUE	46.21	P	14:00:41.385	-0.3	103.1	7.84	TAS	20.5	0.94	a_e	mb	5.1
STU	48.19	P	14:00:56.385	0.3	103.1	7.84	TAS	43.1	1.02	a_e	mb	5.5
TNS	48.92	P	14:01:03.535	-0.3	103.1	7.84	TAS	25.4	1.05	a_e	mb	5.2
UBR	47.41	P	14:00:50.735	0.2	103.1	7.84	TAS	39.0	1.17	a_e	mb	5.4
WET	45.89	P	14:00:38.985	-0.4	103.1	7.84	TAS	7.7	1.12	a_e	mb	4.6
WET	45.89	PcP	14:02:15.457		101.2	3.62	TAS			m_e		
WLF	50.30	P	14:01:13.635		103.1	7.84	TAS	12.0	0.83	a_e	mb	4.9

Event 20731005 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/31	17:48:04.09			64.1100	-21.8200				33.0			26		17.98	24.39	m i ke	BGR
OrigID 20731011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20731011
Ms	4.8		BGR	20731011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	20.41	P		17:52:39.269	0.3	321.6		10.62		TAS		125.3	1.04	m_e	mb	5.1
ASSE	20.63	P		17:52:41.823	-0.5	321.6		10.62		TAS		295.7	1.41	m_e	mb	5.4
BFO	22.68	P		17:53:03.684	0.2	321.6		10.62		TAS		162.0	1.46	m_e	mb	5.3
BRG	22.92	P		17:53:05.568	-0.5	321.6		10.62		TAS		195.3	1.38	m_e	mb	5.5
BSEG	19.17	P		17:52:25.013	-0.1	321.6		10.62		TAS		173.7	1.17	m_e	mb	5.2
BUG	19.78	P		17:52:32.480	1.2	321.6		10.62		TAS		187.1	1.27	m_e	mb	5.2
CLL	22.20	P		17:52:58.302	0.7	321.6		10.62		TAS		300.7	1.59	m_e	mb	5.5
CLZ	20.72	P		17:52:42.149	0.2	321.6		10.62		TAS		216.7	1.42	m_e	mb	5.3
FLT1	20.71	P		17:52:42.336	0.9	321.6		10.62		TAS		130.7	1.33	m_e	mb	5.1
FUR	23.96	P		17:53:16.517		321.6		10.62		TAS		199.4	1.38	m_e	mb	5.5
GEC2	24.39	P		17:53:20.018		321.6		10.62		TAS		136.1	1.62	a_e	mb	5.2
GOR1	20.26	P		17:52:38.155	-0.2	321.6		10.62		TAS		462.1	1.60	m_e	mb	5.5
GRA1	22.72	P		17:53:03.568	-0.4	321.6		10.62		TAS		109.0	1.15	m_e	mb	5.3
GRA1	22.72	L		18:01:29.088						T__		2341.5	21.90	a_e	Ms	4.6
GTTG	20.78	P		17:52:43.626	2.1	321.6		10.62		TAS		208.7	1.17	m_e	mb	5.3

HLG	17.98	P	17:52:11.288	-1.9	321.6	10.62	TAS	641.8	1.53	m_e	mb	5.5
IBBN	19.31	P	17:52:26.776	-1.1	321.6	10.62	TAS	331.2	1.68	m_e	mb	5.3
KAST	20.42	P	17:52:39.340	0.2	321.6	10.62	TAS	181.9	1.28	m_e	mb	5.2
MOX	22.14	P	17:52:57.509	-0.4	321.6	10.62	TAS	83.2	1.06	m_e	mb	5.1
MOX	22.14	L	18:02:16.721				T__	4700.3	18.40	a_e	Ms	4.9
NEUB	21.78	P	17:52:54.131	0.4	321.6	10.62	TAS	291.2	1.02	m_e	mb	5.7
PLN	22.48	P	17:53:00.994	-0.1	321.6	10.62	TAS	29.8	1.02	m_e	mb	4.8
RUE	21.67	P	17:52:53.042	-0.3	321.6	10.62	TAS	380.0	1.37	m_e	mb	5.6
STU	22.65	P	17:53:03.468	1.3	321.6	10.62	TAS	282.1	1.05	m_e	mb	5.7
TANN	22.66	P	17:53:03.086	-0.5	321.6	10.62	TAS	84.8	1.04	m_e	mb	5.2
TNS	21.20	P	17:52:47.987	0.3	321.6	10.62	TAS	475.9	1.81	m_e	mb	5.5
UBR	23.90	P	17:53:15.318	-1.7	321.6	10.62	TAS	146.5	1.07	a_e	mb	5.4
WET	23.82	P	17:53:15.297	-0.5	321.6	10.62	TAS	127.3	1.33	m_e	mb	5.3
WLF	20.76	P	17:52:42.523	0.4	321.6	10.62	TAS	146.1	1.52	m_e	mb	5.1

Event 20731006 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/07/31	18:48:11.00	1.17	10.64	17.3340	120.7660	455.9	129.0	152	10.0				15 344	86.87	90.51	m i ke	USGS
OrigID 20731024																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 20731012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	86.87		P	19:00:55.527	-1.0	64.2		5.21		TAS		7.0	0.85	m_e	mb	4.8
BSEG	87.57		P	19:00:59.074	2.1	64.2		5.21		TAS		6.2	0.74	m_e	mb	5.0
CLL	87.23		P	19:00:56.640	-0.4	64.2		5.21		TAS		11.3	0.74	m_e	mb	5.1
CLZ	88.48		P	19:01:03.477	-1.6	64.2		5.21		TAS		8.1	0.78	m_e	mb	5.0
FLT1	87.79		P	19:01:00.593	0.7	64.2		5.21		TAS		7.6	0.75	m_e	mb	5.1
GEC2	87.84		P	19:01:00.004	-0.6	64.2		5.21		TAS		4.2	0.74	m_e	mb	4.9
GRA1	88.95		P	19:01:06.108		64.2		5.21		TAS		7.2	0.95	m_e	mb	4.9
GTTG	88.84		P	19:01:05.324		64.2		5.21		TAS		10.7	0.79	m_e	mb	5.1
IBBN	89.69		P	19:01:08.911		64.2		5.21		TAS		16.4	0.70	m_e	mb	5.4
KAST	89.86		P	19:01:10.297		64.2		5.21		TAS		4.3	0.80	m_e	mb	4.7
MOX	88.31		P	19:01:02.171	0.6	64.2		5.21		TAS		6.9	1.00	m_e	mb	4.9
NEUB	87.98		P	19:01:01.102	-1.0	64.2		5.21		TAS		10.8	0.85	m_e	mb	5.2
TANN	87.92		P	19:01:01.024	-1.8	64.2		5.21		TAS		2.2	0.71	m_e	mb	4.6
UBR	90.51		P	19:01:12.733		64.2		5.21		TAS		14.0	0.76	m_e	mb	5.4
WET	88.21		P	19:01:03.128	2.1	64.2		5.21		TAS		1.8	0.85	m_e	mb	4.4

Event 20731007 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/07/31 18:50:18.17 32.5200 141.9310 33.0 15 83.94 89.35 m i ke BGR
 20731013

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 20731013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	85.44		P	19:02:51.673	0.1	39.8		4.85		TAS		14.9	1.07	m_e mb	5.0
BFO	89.35		P	19:03:10.367		39.8		4.85		TAS		9.0	1.21	m_e mb	4.9
BRG	85.06		P	19:02:49.992	-0.1	39.8		4.85		TAS		13.2	1.03	m_e mb	5.1
BSEG	84.18		P	19:02:45.557	0.0	39.8		4.85		TAS		16.4	1.01	m_e mb	5.2
BUG	87.28		P	19:03:00.533		39.8		4.85		TAS		10.4	0.83	m_e mb	5.0
CLL	85.13		P	19:02:50.128	0.3	39.8		4.85		TAS		29.7	0.99	m_e mb	5.5
CLZ	85.78		P	19:02:53.778	0.1	39.8		4.85		TAS		25.6	0.98	m_e mb	5.3
FLT1	85.06		P	19:02:49.649	-0.1	39.8		4.85		TAS		21.5	0.94	m_e mb	5.4
GTTG	86.17		P	19:02:55.638		39.8		4.85		TAS		17.0	0.78	m_e mb	5.2
IBBN	86.41		P	19:02:56.559		39.8		4.85		TAS		40.5	1.09	m_e mb	5.5
KAST	87.04		P	19:02:59.636		39.8		4.85		TAS		10.3	0.90	m_e mb	5.0
MOX	86.20		P	19:02:55.722		39.8		4.85		TAS		18.1	1.18	m_e mb	5.1
NEUB	85.72		P	19:02:53.098	0.1	39.8		4.85		TAS		48.1	1.20	m_e mb	5.5
PLN	86.10		P	19:02:55.094		39.8		4.85		TAS		4.6	1.22	m_e mb	4.5
RUE	83.94		P	19:02:44.653	-0.1	39.8		4.85		TAS		29.4	1.08	m_e mb	5.4
TANN	86.03		P	19:02:54.774	-0.2	39.8		4.85		TAS		15.7	1.44	m_e mb	4.9
WLF	89.14		P	19:03:10.127		39.8		4.85		TAS		12.7	1.20	m_e mb	5.0