

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

(produced by SZO/BGR - HANNOVER)

July 2020 UPDATED 28.January 2022

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

Event 702002 Hokkaido, Japan, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/02 07:07:34.84 45.0170 145.5850 33.0 26 74.30 79.78 m i ke BGR
 702008

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 702008
 Ms 4.3 BGR 702008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	75.74		P	07:19:15.400	0.0	31.2		5.60		TAS		22.6	0.97	m_e mb	5.3
BFO	79.78		P	07:19:37.501		31.2		5.60		TAS		21.3	0.87	m_e mb	5.1
BRG	75.71		P	07:19:15.491	-0.3	31.2		5.60		TAS		15.0	0.77	m_e mb	5.2
BSEG	74.30		P	07:19:07.712	0.4	31.2		5.60		TAS		28.9	0.85	m_e mb	5.3
BUG	77.39		P	07:19:24.280	0.3	31.2		5.60		TAS		42.4	1.01	m_e mb	5.5
CLL	75.67		P	07:19:14.951	0.3	31.2		5.60		TAS		43.8	0.65	m_e mb	5.7
CLZ	76.08		P	07:19:17.746	-0.2	31.2		5.60		TAS		110.4	1.41	m_e mb	5.8
FLT1	75.39		P	07:19:13.155	0.1	31.2		5.60		TAS		36.5	0.85	m_e mb	5.4
FUR	78.94		P	07:19:33.556	-0.7	31.2		5.60		TAS		39.3	0.96	a_e mb	5.4
GEC2	77.50		P	07:19:25.506	-0.1	31.2		5.60		TAS		12.2	0.65	a_e mb	5.2
GOR1	74.80		P	07:19:10.652	0.1	31.2		5.60		TAS		66.6	1.28	m_e mb	5.5
GRA1	77.65		P	07:19:26.523	-0.3	31.2		5.60		TAS		56.4	0.70	m_e mb	5.8
GRA1	77.65		L	07:59:08.981						T__		119.9	20.10	a_e Ms	4.2
GTTG	76.47		P	07:19:19.606	0.0	31.2		5.60		TAS		45.9	0.98	a_e mb	5.6
IBBN	76.49		P	07:19:19.455	-0.0	31.2		5.60		TAS		35.5	0.64	m_e mb	5.6
KAST	77.25		P	07:19:23.856	0.1	31.2		5.60		TAS		24.2	0.81	a_e mb	5.4
MOX	76.70		P	07:19:20.906	0.3	31.2		5.60		TAS		26.5	1.13	a_e mb	5.3
MOX	76.70		L	07:58:40.407						T__		140.0	18.60	a_e Ms	4.3
NEUB	76.18		P	07:19:17.756	-0.3	31.2		5.60		TAS		66.0	1.18	a_e mb	5.7
PLN	76.65		P	07:19:20.706	-0.1	31.2		5.60		TAS		3.9	0.67	a_e mb	4.7

./bul2007.txt Tue Feb 22 15:12:57 2022 2

RETH	75.63	P	07:19:14.997	-0.1	31.2	5.60	TAS	29.1	0.95	m_e	mb	5.4
ROTZ	77.25	P	07:19:24.306	0.5	31.2	5.60	TAS	3.4	0.78	a_e	mb	4.5
STU	79.12	P	07:19:34.106		31.2	5.60	TAS	67.7	0.72	a_e	mb	5.8
TANN	76.61	P	07:19:20.144	-0.4	31.2	5.60	TAS	8.1	0.78	m_e	mb	4.9
TNS	78.09	P	07:19:28.597	1.2	31.2	5.60	TAS	26.4	0.78	m_e	mb	5.4
UBBA	77.08	P	07:19:22.634	-0.5	31.2	5.60	TAS	11.3	0.66	m_e	mb	5.1
WET	77.54	P	07:19:26.156	0.1	31.2	5.60	TAS	24.4	0.74	m_e	mb	5.4
WLF	79.30	P	07:19:36.606		31.2	5.60	TAS	15.4	0.91	a_e	mb	5.0

Event 702008 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/02	18:16:57.27			7.3130	-37.1900				33.0			6		56.08	60.19	m i ke	BGR
	702014																

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 702014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	56.08	P		18:26:34.424		240.5		6.98		TAS		7.7	0.94	m_e	mb	4.7
BSEG	60.12	P		18:27:01.998	0.4	240.5		6.98		TAS		11.7	0.87	m_e	mb	4.9
BUG	57.20	P		18:26:41.789		240.5		6.98		TAS		4.6	0.75	m_e	mb	4.6
CLL	60.19	P		18:27:04.728		240.5		6.98		TAS		4.0	0.95	m_e	mb	4.4
FLT1	59.75	P		18:26:59.497		240.5		6.98		TAS		4.4	0.86	m_e	mb	4.5
GEC2	59.45	P		18:26:57.770		240.5		6.98		TAS		2.9	0.91	m_e	mb	4.3
GRA1	58.41	P		18:26:50.369		240.5		6.98		TAS		11.7	0.82	m_e	mb	5.0
GTTG	58.67	P		18:26:52.708		240.5		6.98		TAS		6.6	0.81	m_e	mb	4.7
IBBN	57.93	P		18:26:46.585		240.5		6.98		TAS		7.9	0.83	m_e	mb	4.8
MOX	59.10	P		18:26:55.884		240.5		6.98		TAS		3.9	0.93	m_e	mb	4.4
NEUB	59.46	P		18:26:57.913		240.5		6.98		TAS		10.9	0.83	m_e	mb	4.9
ROTZ	59.01	P		18:26:54.757		240.5		6.98		TAS		1.7	1.00	m_e	mb	4.0
TANN	59.46	P		18:26:58.465		240.5		6.98		TAS		8.5	1.14	m_e	mb	4.7
WET	59.10	P		18:26:55.247		240.5		6.98		TAS		3.5	0.92	m_e	mb	4.4

Event 703001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/03	03:00:06.14			-17.4690	-174.3980				248.8	1.9		22		144.93	149.14	m i ke	BGR
	703007																

Magnitude Err Nsta Author OrigID

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

ASSE	145.19	PKPbc	03:19:12.722	-0.1	10.0	2.80	TAS	m_e
ASSE	145.19	pPKPbc	03:20:15.295	-0.0	8.0	2.90	TAS	m_e
BFO	149.14	PKPbc	03:19:23.600		10.0	2.80	TAS	m_e
BFO	149.14	pPKPbc	03:20:26.488		8.0	2.90	TAS	m_e
BRG	146.01	PKPbc	03:19:15.222	0.1	10.0	2.80	TAS	m_e
BRG	146.01	pPKPbc	03:20:17.878	0.1	8.0	2.90	TAS	m_e
BUG	146.08	PKPbc	03:19:15.325	0.3	10.0	2.80	TAS	m_e
BUG	146.08	pPKPbc	03:20:17.691	0.4	8.0	2.90	TAS	m_e
CLL	145.73	PKPbc	03:19:14.244	0.0	10.0	2.80	TAS	m_e
CLL	145.73	pPKPbc	03:20:16.698	-0.0	8.0	2.90	TAS	m_e
CLZ	145.50	PKPbc	03:19:14.041	0.1	10.0	2.80	TAS	m_e
CLZ	145.50	pPKPbc	03:20:16.349	0.2	8.0	2.90	TAS	m_e
FLT1	144.93	PKPbc	03:19:11.575	0.1	10.0	2.80	TAS	m_e
FLT1	144.93	pPKPbc	03:20:13.966	0.1	8.0	2.90	TAS	m_e
FUR	149.04	PKPbc	03:19:23.363		10.0	2.80	TAS	m_e
FUR	149.04	pPKPbc	03:20:26.247		8.0	2.90	TAS	m_e
GEC2	148.02	PKPbc	03:19:20.721		10.0	2.80	TAS	m_e
GEC2	148.02	pPKPbc	03:20:23.460		8.0	2.90	TAS	m_e
GRA1	147.54	PKPbc	03:19:19.942		10.0	2.80	TAS	m_e
GRA1	147.54	pPKPbc	03:20:22.608		8.0	2.90	TAS	m_e
GTTG	145.82	PKPbc	03:19:14.965	0.2	10.0	2.80	TAS	m_e
GTTG	145.82	pPKPbc	03:20:17.047	0.0	8.0	2.90	TAS	m_e
IBBN	145.20	PKPbc	03:19:13.098	-0.3	10.0	2.80	TAS	m_e
IBBN	145.20	pPKPbc	03:20:15.220	-0.2	8.0	2.90	TAS	m_e
KAST	146.27	PKPbc	03:19:16.141	0.5	10.0	2.80	TAS	m_e
KAST	146.27	pPKPbc	03:20:18.590	0.5	8.0	2.90	TAS	m_e
MOX	146.55	PKPbc	03:19:16.735	0.3	10.0	2.80	TAS	m_e
MOX	146.55	pPKPbc	03:20:19.290	-0.3	8.0	2.90	TAS	m_e
NEUB	146.00	PKPbc	03:19:15.245	0.2	10.0	2.80	TAS	m_e
NEUB	146.00	pPKPbc	03:20:17.764	0.1	8.0	2.90	TAS	m_e
PLN	146.64	PKPbc	03:19:17.194	-0.2	10.0	2.80	TAS	m_e
PLN	146.64	pPKPbc	03:20:19.644	-0.2	8.0	2.90	TAS	m_e
ROTZ	147.34	PKPbc	03:19:19.252	-0.5	10.0	2.80	TAS	m_e
ROTZ	147.34	pPKPbc	03:20:22.006		8.0	2.90	TAS	m_e
STU	148.64	PKPbc	03:19:22.577		10.0	2.80	TAS	m_e
TANN	146.68	PKPbc	03:19:17.268	-0.0	10.0	2.80	TAS	m_e
TANN	146.68	pPKPbc	03:20:19.782	-0.2	8.0	2.90	TAS	m_e
TNS	147.25	PKPbc	03:19:18.854	-0.3	10.0	2.80	TAS	m_e
UBBA	146.54	pPKPbc	03:20:19.117	-0.0	8.0	2.90	TAS	m_e
WET	147.86	PKPbc	03:19:20.333		10.0	2.80	TAS	m_e
WET	147.86	pPKPbc	03:20:23.161		8.0	2.90	TAS	m_e
WLF	147.88	PKPbc	03:19:21.153		10.0	2.80	TAS	m_e

Event 703002 Near east coast of eastern Honshu, Japan

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

2020/07/03 05:12:58.45 37.7250 141.6770 49.1 0.4 19 79.54 84.81 m i ke BGR
703008

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 703008
Ms 4.2 BGR 703008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.81		P	05:25:26.007		37.4		5.24		TAS		20.0	1.04	m_e	mb 5.3
BFO	84.81		pP	05:25:40.123						T__				m_e	
BRG	80.57		P	05:25:04.048	0.3	37.4		5.24		TAS		8.9	0.96	m_e	mb 4.8
BSEG	79.54		P	05:24:58.830	0.1	37.4		5.24		TAS		8.4	0.86	m_e	mb 4.7
CLL	80.60		P	05:25:03.840	-0.0	37.4		5.24		TAS		14.8	0.90	m_e	mb 5.0
CLZ	81.19		P	05:25:07.658	-0.1	37.4		5.24		TAS		17.5	1.10	m_e	mb 5.0
FLT1	80.48		P	05:25:02.991	-0.5	37.4		5.24		TAS		14.0	0.74	m_e	mb 5.0
GEC2	82.24		P	05:25:12.717		37.4		5.24		TAS		5.9	0.87	m_e	mb 4.7
GOR1	79.93		P	05:25:00.740	0.1	37.4		5.24		TAS		28.9	1.41	m_e	mb 5.0
GRA1	82.58		P	05:25:15.136		37.4		5.24		TAS		22.4	1.22	m_e	mb 5.3
GRA1	82.58		L	06:05:08.555						T__		96.2	18.20	a_e	Ms 4.2
GTTG	81.58		P	05:25:09.419	-0.0	37.4		5.24		TAS		15.6	1.03	m_e	mb 5.1
IBBN	81.77		P	05:25:10.376	0.0	37.4		5.24		TAS		16.5	0.88	m_e	mb 5.2
MOX	81.67		P	05:25:09.832	-0.2	37.4		5.24		TAS		15.9	1.46	m_e	mb 4.9
MOX	81.67		L	06:04:38.546						T__		120.0	18.50	a_e	Ms 4.3
NEUB	81.17		P	05:25:07.238	0.5	37.4		5.24		TAS		23.6	0.94	m_e	mb 5.2
NEUB	81.17		pP	05:25:21.447						T__				m_e	
PLN	81.58		P	05:25:09.372	-0.3	37.4		5.24		TAS		2.5	1.07	m_e	mb 4.3
RETH	80.84		P	05:25:05.553	-0.6	37.4		5.24		TAS		10.4	1.03	m_e	mb 4.8
ROTZ	82.13		P	05:25:12.673		37.4		5.24		TAS		5.6	1.54	m_e	mb 4.5
ROTZ	82.13		pP	05:25:27.007						T__				m_e	
STU	84.11		P	05:25:22.440		37.4		5.24		TAS		63.4	1.15	m_e	mb 5.7
TNS	83.22		P	05:25:17.947		37.4		5.24		TAS		5.6	0.76	m_e	mb 4.9
WET	82.34		P	05:25:13.719		37.4		5.24		TAS		7.8	0.98	m_e	mb 4.8

Event 703004 Puerto Rico region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2020/07/03 13:54:52.20 17.2700 -66.7700 17.9 0.6 20 66.01 70.98 m i ke BGR
703010

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 703010
Ms 4.4 BGR 703010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	68.88		P	14:05:56.417	-0.0	271.9		6.25		TAS		89.7	1.76	m_e	mb 5.7
BFO	67.44		P	14:05:46.702	-0.2	271.9		6.25		TAS		80.4	2.46	m_e	mb 5.5

BRG	70.98	P	14:06:09.071		271.9	6.25	TAS	14.9	1.22	m_e	mb	5.0
BUG	66.76	P	14:05:42.769	-0.1	271.9	6.25	TAS	51.0	1.53	m_e	mb	5.5
CLL	70.36	P	14:06:05.050		271.9	6.25	TAS	27.0	1.60	m_e	mb	5.1
CLL	70.36	pP	14:06:10.265				T__				m_e	
CLZ	68.70	P	14:05:55.156	0.1	271.9	6.25	TAS	34.5	1.52	m_e	mb	5.4
FLT1	69.22	P	14:05:57.859	0.2	271.9	6.25	TAS	69.2	1.92	m_e	mb	5.6
GEC2	70.97	P	14:06:09.075		271.9	6.25	TAS	27.1	1.55	m_e	mb	5.1
GEC2	70.97	pP	14:06:13.996				T__				m_e	
GRA1	69.30	P	14:05:58.850	-0.3	271.9	6.25	TAS	38.8	1.75	m_e	mb	5.3
GRA1	69.30	L	14:34:35.980				T__	223.2	19.30	a_e	Ms	4.4
IBBN	67.08	P	14:05:44.822	-0.0	271.9	6.25	TAS	938.0	3.35	m_e	mb	6.5
KAST	67.48	P	14:05:47.193	0.1	271.9	6.25	TAS	16.3	1.23	m_e	mb	5.1
MOX	69.51	P	14:27:21.177	0.1	271.9	6.25	TAS				m_e	
MOX	69.51	L	14:32:40.463				T__	201.3	21.30	a_e	Ms	4.3
NEUB	69.59	P	14:06:00.623	-0.1	271.9	6.25	TAS	21.6	1.11	m_e	mb	5.2
PLN	69.87	P	14:06:02.278		271.9	6.25	TAS	13.4	2.03	m_e	mb	4.7
RETH	68.07	P	14:05:51.189	0.2	271.9	6.25	TAS	53.4	1.59	m_e	mb	5.5
ROTZ	69.94	P	14:06:02.905		271.9	6.25	TAS	6.8	1.47	m_e	mb	4.6
ROTZ	69.94	pP	14:06:07.947				T__				m_e	
TANN	70.06	P	14:06:03.563		271.9	6.25	TAS	17.4	1.29	m_e	mb	5.0
TNS	67.50	P	14:05:47.586	0.2	271.9	6.25	TAS	40.1	1.46	m_e	mb	5.4
UBBA	68.48	P	14:05:53.574	-0.4	271.9	6.25	TAS	39.9	1.80	m_e	mb	5.3
WET	70.41	P	14:06:05.749		271.9	6.25	TAS	19.2	1.37	m_e	mb	5.0
WLF	66.01	P	14:05:38.230	0.1	271.9	6.25	TAS	25.0	1.28	m_e	mb	5.3

Event 703006 Puerto Rico region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/03	20:49:54.36			17.4550	-66.0790				33.0			24		65.42	70.40	m i ke	BGR
	703012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	703012
MBB	5.7		BGR	703012
Ms	4.9		BGR	703012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	68.31		P	21:00:52.112	-0.2	272.1		6.24		TAS		66.3	1.40	m_e	MBB 6.0
BRG	70.40		P	21:01:04.782	-0.0	272.1		6.24		TAS		32.5	1.56	m_e	mb 5.2
BSEG	68.09		P	21:00:50.013	0.3	272.1		6.24		TAS		35.9	1.79	m_e	MBB 5.6
BUG	66.19		P	21:00:38.428	-0.1	272.1		6.24		TAS		45.2	1.37	m_e	mb 5.5
CLL	69.78		P	21:01:00.878	-0.1	272.1		6.24		TAS		16.1	1.23	m_e	MBB 5.5
CLZ	68.13		P	21:00:50.781	-0.2	272.1		6.24		TAS		47.9	1.62	m_e	MBB 5.7
FLT1	68.65		P	21:00:53.541	0.3	272.1		6.24		TAS		33.7	1.27	m_e	MBB 5.8
GEC2	70.39		P	21:01:04.912		272.1		6.24		TAS		27.8	1.46	m_e	MBB 5.6
GOR1	68.69		P	21:00:53.998	-0.1	272.1		6.24		TAS		31.1	1.44	m_e	MBB 6.0

GRA1	68.72	P	21:00:54.624	-0.1	272.1	6.24	TAS	43.6	1.51	m_e	mb	5.5
GRA1	68.72	L	21:29:12.930				T__	652.1	19.60	a_e	Ms	4.9
GTTG	67.88	P	21:00:49.479	-0.2	272.1	6.24	TAS	32.1	1.52	m_e	mb	5.3
IBBN	66.52	P	21:00:40.509	0.1	272.1	6.24	TAS	88.6	1.69	m_e	mb	5.7
KAST	66.90	P	21:00:42.883	0.0	272.1	6.24	TAS	29.2	1.50	m_e	MBB	5.8
MOX	68.94	P	21:00:55.703	0.2	272.1	6.24	TAS	115.4	2.57	m_e	MBB	5.8
MOX	68.94	L	21:27:26.328				T__	688.7	20.80	a_e	Ms	4.9
NEUB	69.02	P	21:00:56.186	-0.1	272.1	6.24	TAS	92.0	1.84	m_e	MBB	5.7
PLN	69.29	P	21:00:57.993	0.2	272.1	6.24	TAS	6.4	1.29	m_e	MBB	5.3
RETH	67.51	P	21:00:47.039	-0.4	272.1	6.24	TAS	79.8	1.62	m_e	MBB	6.0
ROTZ	69.35	P	21:00:58.625	-0.1	272.1	6.24	TAS	5.6	1.33	m_e	MBB	5.1
STU	67.41	P	21:00:46.199		272.1	6.24	TAS	125.7	1.56	m_e	mb	5.9
TANN	69.48	P	21:00:59.265	-0.2	272.1	6.24	TAS	25.5	1.46	m_e	MBB	5.6
TNS	66.92	P	21:00:43.450	0.2	272.1	6.24	TAS	36.6	1.40	m_e	MBB	5.8
UBBA	67.91	P	21:00:49.406	0.0	272.1	6.24	TAS	49.3	1.92	m_e	MBB	5.7
WET	69.82	P	21:01:01.304		272.1	6.24	TAS	36.1	1.79	m_e	MBB	5.6
WLF	65.42	P	21:00:33.759	0.0	272.1	6.24	TAS	41.8	1.34	m_e	mb	5.5

Event 704001 D'Entrecasteaux Islands, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/04	01:34:44.90			-9.7000	154.8400				10.0					130.00	130.00	m i ke	EMSC
OrigID 704033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	130.00		PKPdf	01:53:55.808		49.8		1.41		TAS					m_e

Event 704004 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/04	09:53:08.42			39.4900	70.8100				33.0				28	40.65	45.84	m i ke	BGR
OrigID 704010																	

Magnitude Err Nsta Author OrigID

mb	5.1		BGR	704010
MBB	5.5		BGR	704010
Ms	5.4		BGR	704010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	42.59		P	10:01:00.317	-0.0	82.0		8.06		TAS		34.0	1.28	a_e	MBB	5.5
BFO	44.74		P	10:01:17.417	0.7	82.0		8.06		TAS		27.9	0.99	a_e	MBB	5.6

BRG	40.71	P	10:00:45.367	-0.2	82.0	8.06	TAS	49.0	0.99	a_e	MBB	5.5
BSEG	42.59	P	10:01:01.117	0.4	82.0	8.06	TAS	41.9	0.87	a_e	MBB	5.4
BUG	44.78	P	10:01:18.317	-0.8	82.0	8.06	TAS	36.2	1.04	a_e	MBB	5.6
CLL	41.25	P	10:00:49.267	-0.3	82.0	8.06	TAS	38.1	1.03	a_e	MBB	5.4
CLZ	42.81	P	10:01:02.517	0.1	82.0	8.06	TAS	40.6	1.23	a_e	MBB	5.3
FLT1	42.22	P	10:00:57.067	-0.4	82.0	8.06	TAS	74.9	0.93	a_e	MBB	5.6
FUR	42.85	P	10:01:02.867		82.0	8.06	TAS	62.0	0.97	a_e	MBB	5.6
GEC2	41.14	P	10:00:48.967	0.0	82.0	8.06	TAS	27.8	1.10	a_e	MBB	5.3
GOR1	42.10	P	10:00:57.017	0.2	82.0	8.06	TAS	78.9	1.20	a_e	MBB	5.7
GRA1	42.61	P	10:01:01.567	0.1	82.0	8.06	TAS	62.7	0.97	a_e	MBB	5.6
GRA1	42.61	L	10:21:05.629				T__	5128.5	19.00	a_e	Ms	5.4
GTTG	43.10	P	10:01:05.067	-0.1	82.0	8.06	TAS	93.8	1.01	a_e	MBB	5.7
IBBN	44.34	P	10:01:14.767	-0.7	82.0	8.06	TAS	71.6	1.03	a_e	MBB	5.7
KAST	44.12	P	10:01:12.817	-0.5	82.0	8.06	TAS	19.2	1.23	a_e	MBB	5.2
MOX	42.21	P	10:00:57.567	-0.2	82.0	8.06	TAS	29.8	0.98	m_e	MBB	5.3
MOX	42.21	L	10:21:22.863				T__	4224.5	18.10	a_e	Ms	5.4
NEUB	42.03	P	10:00:55.867	-0.3	82.0	8.06	TAS	58.8	1.04	a_e	MBB	5.5
PLN	41.89	P	10:00:54.917	-0.1	82.0	8.06	TAS	7.6	1.04	a_e	MBB	4.9
RETH	43.30	P	10:01:06.567	-0.8	82.0	8.06	TAS	32.9	1.03	a_e	MBB	5.5
RGN	40.79	P	10:00:46.317	0.8	82.0	8.06	TAS	295.9	0.88	a_e	MBB	6.1
ROTZ	41.96	P	10:00:55.967	-0.0	82.0	8.06	TAS	12.6	1.55	a_e	MBB	4.8
RUE	40.65	P	10:00:44.317	0.0	82.0	8.06	TAS	52.2	1.04	a_e	MBB	5.7
STU	44.08	P	10:01:12.517	-0.2	82.0	8.06	TAS	76.2	1.04	a_e	MBB	5.9
TANN	41.70	P	10:00:53.517	-0.1	82.0	8.06	TAS	20.8	1.04	a_e	MBB	5.3
TNS	44.27	P	10:01:14.217	0.4	82.0	8.06	TAS	18.0	1.07	a_e	MBB	5.4
UBBA	43.19	P	10:01:05.467	-0.1	82.0	8.06	TAS	134.1	2.03	a_e	MBB	5.4
WET	41.63	P	10:00:52.817	0.3	82.0	8.06	TAS	30.7	1.08	a_e	MBB	5.4
WLF	45.84	P	10:01:26.917	0.8	82.0	8.06	TAS	51.6	0.94	a_e	MBB	5.8

Event 705001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/05	08:53:41.84			54.1900	-160.6200				33.3	1.6		27		71.98	77.79	m i ke	BGR
	705007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	705007
MBB	5.7		BGR	705007
Ms	4.6		BGR	705007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.80		P	09:05:14.745	-0.3	355.1		5.75		TAS		27.7	1.21	a_e	MBB 5.4
ASSE	73.80		pP	09:05:24.132	-0.4	356.3		5.86		TAS				m_e	
BFO	77.43		P	09:05:35.195		355.1		5.75		TAS		54.0	1.63	a_e	MBB 5.7
BFO	77.43		pP	09:05:45.197		356.3		5.86		TAS				m_e	
BRG	75.21		P	09:05:22.795	-0.0	355.1		5.75		TAS		44.4	1.44	a_e	MBB 5.8

BRG	75.21	pP	09:05:31.956	0.3	356.3	5.86	TAS			m_e		
BSEG	71.98	P	09:05:04.145	0.1	355.1	5.75	TAS	46.3	1.63	a_e	MBB	5.6
BSEG	71.98	pP	09:05:13.379	0.1	356.3	5.86	TAS			m_e		
BUG	74.25	P	09:05:17.095	0.1	355.1	5.75	TAS	57.2	1.25	a_e	MBB	6.0
BUG	74.25	pP	09:05:26.714	-0.2	356.3	5.86	TAS			m_e		
CLL	74.74	P	09:05:19.795	0.0	355.1	5.75	TAS	66.1	1.61	a_e	MBB	5.5
CLL	74.74	pP	09:05:29.077	0.3	356.3	5.86	TAS			m_e		
CLZ	74.07	P	09:05:16.745	0.2	355.1	5.75	TAS	59.0	1.32	a_e	MBB	5.7
CLZ	74.07	pP	09:05:26.124	-0.1	356.3	5.86	TAS			m_e		
FLT1	73.63	P	09:05:13.245	0.4	355.1	5.75	TAS	41.2	1.24	a_e	MBB	5.7
FUR	77.79	P	09:05:37.695		355.1	5.75	TAS	125.9	1.50	a_e	MBB	6.1
FUR	77.79	pP	09:05:47.453		356.3	5.86	TAS			m_e		
GEC2	77.23	P	09:05:34.445	-0.1	355.1	5.75	TAS	47.4	1.59	a_e	MBB	5.5
GEC2	77.23	pP	09:05:43.996		356.3	5.86	TAS			m_e		
GOR1	72.98	P	09:05:10.345	0.1	355.1	5.75	TAS	74.6	1.38	a_e	mb	5.6
GRA1	76.26	P	09:05:29.295	-0.4	355.1	5.75	TAS	73.7	1.57	a_e	MBB	5.8
GRA1	76.26	pP	09:05:38.958		356.3	5.86	TAS			m_e		
GRA1	76.26	L	09:38:35.462				T__	376.9	21.80	a_e	Ms	4.7
GTTG	74.34	P	09:05:18.145	-0.4	355.1	5.75	TAS	47.3	1.15	a_e	MBB	5.7
GTTG	74.34	pP	09:05:27.716	0.1	356.3	5.86	TAS			m_e		
IBBN	73.43	P	09:05:12.745	-0.6	355.1	5.75	TAS	42.7	1.14	a_e	MBB	5.9
IBBN	73.43	pP	09:05:22.241	-0.3	356.3	5.86	TAS			m_e		
KAST	74.58	P	09:05:19.395	-0.1	355.1	5.75	TAS	25.2	1.18	a_e	MBB	5.7
KAST	74.58	pP	09:05:28.874	0.1	356.3	5.86	TAS			m_e		
MOX	75.34	P	09:05:23.645	0.1	355.1	5.75	TAS	68.6	1.42	m_e	MBB	5.8
MOX	75.34	L	09:45:19.473				T__	237.3	18.20	a_e	Ms	4.5
NEUB	74.80	P	09:05:20.395	-0.1	355.1	5.75	TAS	120.6	1.51	a_e	MBB	5.8
NEUB	74.80	pP	09:05:29.814	0.1	356.3	5.86	TAS			m_e		
PLN	75.52	P	09:05:24.695	0.3	355.1	5.75	TAS	8.5	1.30	a_e	MBB	5.1
RETH	73.12	P	09:05:10.945	-0.0	355.1	5.75	TAS	86.6	1.61	a_e	MBB	5.8
RETH	73.12	pP	09:05:20.223	0.3	356.3	5.86	TAS			m_e		
ROTZ	76.24	P	09:05:29.095	0.3	355.1	5.75	TAS	15.5	1.57	a_e	MBB	5.1
ROTZ	76.24	pP	09:05:38.517		356.3	5.86	TAS			m_e		
RUE	73.60	P	09:05:13.595	-0.1	355.1	5.75	TAS	91.2	1.40	a_e	MBB	5.9
STU	77.05	P	09:05:33.145	-0.5	355.1	5.75	TAS	73.2	1.14	a_e	MBB	6.1
STU	77.05	pP	09:05:43.107		356.3	5.86	TAS			m_e		
TANN	75.61	P	09:05:25.495	0.2	355.1	5.75	TAS	108.8	2.21	a_e	MBB	5.7
TANN	75.61	pP	09:05:34.726	-0.1	356.3	5.86	TAS			m_e		
TNS	75.56	P	09:05:24.945	0.3	355.1	5.75	TAS	36.3	1.28	a_e	MBB	5.7
TNS	75.56	pP	09:05:34.722	-0.4	356.3	5.86	TAS			m_e		
UBBA	75.07	P	09:05:22.145	0.0	355.1	5.75	TAS	37.0	1.64	a_e	MBB	5.6
WET	76.89	P	09:05:32.895	-0.1	355.1	5.75	TAS	52.7	1.45	a_e	MBB	5.7
WET	76.89	pP	09:05:42.418		356.3	5.86	TAS			m_e		
WLF	75.92	P	09:05:27.195	0.3	355.1	5.75	TAS	50.5	1.26	a_e	MBB	5.7
WLF	75.92	pP	09:05:37.188		356.3	5.86	TAS			m_e		

Event 705002 Samoa Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2020/07/05 18:50:01.90 -14.9100 -167.3800 121.0 1 145.50 145.50 m i ke EMSC
705034

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 145.50 PKP 19:09:10.338 357.6 2.89 TAS m_e

Event 706004 South of Fiji Islands
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2020/07/06 16:01:18.40 -24.2000 179.8300 506.0 9 149.28 155.00 m i ke EMSC
706036

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
ASSE 150.91 PKPbc 16:20:13.169 0.1 21.5 2.18 TAS m_e
BFO 155.00 PKPbc 16:20:21.778 21.5 2.18 TAS m_e
BRG 151.22 PKPbc 16:20:14.052 0.0 21.5 2.18 TAS m_e
BRG 151.22 pPKPbc 16:22:19.015 21.6 2.40 TAS m_e
BSEG 149.28 PKPbc 16:20:09.421 -0.0 21.5 2.18 TAS m_e
BUG 152.21 PKPbc 16:20:15.738 0.1 21.5 2.18 TAS m_e
CLL 151.09 PKPbc 16:20:13.614 0.1 21.5 2.18 TAS m_e
CLL 151.09 pPKPbc 16:22:18.377 -0.1 21.6 2.40 TAS m_e
CLZ 151.24 PKPbc 16:20:14.253 -0.4 21.5 2.18 TAS m_e
CLZ 151.24 pPKPbc 16:22:19.002 21.6 2.40 TAS m_e
FLT1 150.59 PKPbc 16:20:12.309 0.4 21.5 2.18 TAS m_e
FLT1 150.59 pPKPbc 16:22:16.945 -0.0 21.6 2.40 TAS m_e
GEC2 153.08 PKPbc 16:20:17.935 21.5 2.18 TAS m_e
GOR1 149.96 PKPbc 16:20:11.120 -0.1 21.5 2.18 TAS m_e
GRA1 153.04 PKPbc 16:20:17.865 21.5 2.18 TAS m_e
GTTG 151.61 PKPbc 16:20:14.804 0.0 21.5 2.18 TAS m_e
IBBN 151.29 PKPbc 16:20:13.963 0.0 21.5 2.18 TAS m_e
KAST 152.24 PKPbc 16:20:16.161 0.1 21.5 2.18 TAS m_e
KAST 152.24 pPKPbc 16:22:21.203 21.6 2.40 TAS m_e
MOX 152.06 PKPbc 16:20:15.707 0.1 21.5 2.18 TAS m_e
MOX 152.06 pPKPbc 16:22:20.731 21.6 2.40 TAS m_e
NEUB 151.52 PKPbc 16:20:14.592 0.0 21.5 2.18 TAS m_e
PLN 152.07 PKPbc 16:20:15.753 -0.0 21.5 2.18 TAS m_e
PLN 152.07 pPKPbc 16:22:20.854 21.6 2.40 TAS m_e
RETH 150.60 PKPbc 16:20:12.488 -0.1 21.5 2.18 TAS m_e
ROTZ 152.71 PKPbc 16:20:17.105 -0.2 21.5 2.18 TAS m_e

ROTZ	152.71	pPKPbc	16:22:22.201		21.6	2.40	TAS		m_e
RUE	149.83	PKPbc	16:20:10.759	-0.1	21.5	2.18	TAS		m_e
TANN	152.05	PKPbc	16:20:15.781	0.3	21.5	2.18	TAS		m_e
TANN	152.05	pPKPbc	16:22:20.765		21.6	2.40	TAS		m_e
TNS	153.17	PKPbc	16:20:18.192	0.1	21.5	2.18	TAS		m_e
WLF	154.10	PKPbc	16:20:20.578	-0.3	21.5	2.18	TAS		m_e

Event 706005 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/06	18:19:15.23			31.9030	138.3960			419.4		2.2		27		83.08	88.49	m i ke	BGR
	706011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	706011
MBB	5.9		BGR	706011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.65		P	18:31:01.342	0.1	42.7		4.80		TAS		16.7	1.01	m_e	MBB 6.0
BFO	88.49		P	18:31:19.655		42.7		4.80		TAS		27.5	0.87	a_e	MBB 6.1
BRG	84.15		P	18:30:59.240	0.1	42.7		4.80		TAS		34.8	0.77	m_e	MBB 6.1
BSEG	83.46		P	18:30:55.905	0.1	42.7		4.80		TAS		42.1	1.04	a_e	MBB 5.8
BUG	86.56		pP	18:32:45.870	-0.0	40.4		5.14		TAS				m_e	
CLL	84.25		P	18:30:59.405	0.1	42.7		4.80		TAS		44.8	0.83	m_e	MBB 6.1
CLL	84.25		pP	18:32:34.655	0.1	40.4		5.14		TAS				m_e	
CLZ	84.98		P	18:31:03.455	-0.3	42.7		4.80		TAS		26.5	0.95	a_e	MBB 5.9
CLZ	84.98		pP	18:32:38.828	-0.1	40.4		5.14		TAS				m_e	
FLT1	84.26		P	18:30:59.205	0.3	42.7		4.80		TAS		37.5	0.79	a_e	MBB 6.0
FLT1	84.26		pP	18:32:34.439	0.0	40.4		5.14		TAS				m_e	
FUR	87.31		P	18:31:14.581		42.7		4.80		TAS		58.7	0.73	m_e	MBB 6.1
GEC2	85.70		P	18:31:06.355	0.2	42.7		4.80		TAS		19.0	0.86	a_e	MBB 5.6
GOR1	83.75		P	18:30:57.328	0.1	42.7		4.80		TAS		113.9	1.46	m_e	MBB 6.2
GRA1	86.21		P	18:31:09.405	-0.2	42.7		4.80		TAS		144.4	1.71	a_e	MBB 6.0
GRA1	86.21		pP	18:32:45.106		40.4		5.14		TAS				m_e	
GTTG	85.37		P	18:31:05.122	-0.0	42.7		4.80		TAS		51.5	1.52	m_e	MBB 5.7
IBBN	85.70		P	18:31:06.565	-0.2	42.7		4.80		TAS		48.0	1.09	m_e	mb 5.5
IBBN	85.70		pP	18:32:41.891	-0.0	40.4		5.14		TAS				m_e	
KAST	86.27		P	18:31:09.351	0.1	42.7		4.80		TAS		28.1	1.48	m_e	MBB 5.8
MOX	85.34		P	18:31:04.905	-0.1	42.7		4.80		TAS		18.6	1.07	a_e	MBB 5.9
MOX	85.34		pP	18:32:40.408		40.4		5.14		TAS				m_e	
NEUB	84.87		P	18:31:02.475	0.0	42.7		4.80		TAS		36.9	0.82	m_e	MBB 6.1
PLN	85.21		P	18:31:04.392	0.3	42.7		4.80		TAS		5.6	1.07	m_e	MBB 5.3
PLN	85.21		pP	18:32:39.878		40.4		5.14		TAS				m_e	
RETH	84.73		P	18:31:02.052	-0.0	42.7		4.80		TAS		94.4	1.53	m_e	MBB 6.1
ROTZ	85.72		P	18:31:07.055	0.1	42.7		4.80		TAS		11.8	1.30	m_e	MBB 5.2
ROTZ	85.72		pP	18:32:42.759		40.4		5.14		TAS				m_e	

RUE	83.08	P	18:30:54.105	-0.5	42.7	4.80	TAS	84.4	0.87	a_e	MBB	6.4
STU	87.78	P	18:31:16.466		42.7	4.80	TAS	72.0	1.01	m_e	MBB	6.4
TANN	85.13	P	18:31:03.955	0.2	42.7	4.80	TAS	17.3	1.15	a_e	MBB	5.9
TANN	85.13	pP	18:32:39.466		40.4	5.14	TAS			m_e		
TNS	87.00	P	18:31:12.786	0.3	42.7	4.80	TAS	7.7	0.88	m_e	MBB	5.7
TNS	87.00	pP	18:32:48.690		40.4	5.14	TAS			m_e		
UBBA	85.90	P	18:31:07.708	0.0	42.7	4.80	TAS	6.8	0.69	m_e	MBB	5.7
UBBA	85.90	pP	18:32:42.957		40.4	5.14	TAS			m_e		
WET	85.86	P	18:31:07.555	-0.4	42.7	4.80	TAS	16.5	1.14	a_e	MBB	5.6
WET	85.86	pP	18:32:43.471		40.4	5.14	TAS			m_e		
WLF	88.38	P	18:31:19.674	-0.3	42.7	4.80	TAS	14.7	1.01	m_e	MBB	5.9
WLF	88.38	pP	18:32:55.641		40.4	5.14	TAS			m_e		

Event 706006 Java Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/06	22:54:46.90			-5.6400	110.6800				529.0			12		98.60	102.75	m i ke	NEIC
	706101																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	100.57		Pdiff	23:07:37.189	0.1	86.7		4.44		TAS					m_e
BFO	102.40		Pdiff	23:07:45.004		86.7		4.44		TAS					m_e
BRG	98.60		Pdiff	23:07:28.613	0.1	86.7		4.44		TAS					m_e
BRG	98.60		PP	23:11:37.342	-0.1	87.4		7.34		TAS					m_e
BSEG	100.64		Pdiff	23:07:37.880	0.3	86.7		4.44		TAS					m_e
BUG	102.75		Pdiff	23:07:46.941		86.7		4.44		TAS					m_e
BUG	102.75		PP	23:12:07.874		87.4		7.34		TAS					m_e
CLZ	100.78		Pdiff	23:07:38.572	0.1	86.7		4.44		TAS					m_e
CLZ	100.78		PP	23:11:53.649		87.4		7.34		TAS					m_e
FLT1	100.21		Pdiff	23:07:34.976	0.3	86.7		4.44		TAS					m_e
FLT1	100.21		PP	23:11:49.069	-0.2	87.4		7.34		TAS					m_e
FUR	100.45		Pdiff	23:07:36.428	-0.2	86.7		4.44		TAS					m_e
GEC2	98.81		Pdiff	23:07:29.512	0.0	86.7		4.44		TAS					m_e
GEC2	98.81		pP	23:09:28.447						T__					m_e
GOR1	100.12		Pdiff	23:07:35.460	-0.8	86.7		4.44		TAS					m_e
GRA1	100.40		Pdiff	23:07:36.843	-0.3	86.7		4.44		TAS					m_e
GRA1	100.40		PP	23:11:50.249		87.4		7.34		TAS					m_e
GTTG	101.06		Pdiff	23:07:39.610	-0.0	86.7		4.44		TAS					m_e
GTTG	101.06		PP	23:11:55.870		87.4		7.34		TAS					m_e
IBBN	102.34		Pdiff	23:07:45.350		86.7		4.44		TAS					m_e
IBBN	102.34		PP	23:12:05.168		87.4		7.34		TAS					m_e
KAST	102.06		Pdiff	23:07:44.036	-0.4	86.7		4.44		TAS					m_e
MOX	100.08		Pdiff	23:07:35.183	0.0	86.7		4.44		TAS					m_e
MOX	100.08		PP	23:11:48.792	0.4	87.4		7.34		TAS					m_e

NEUB	99.95	Pdiff	23:07:34.422	0.0	86.7	4.44	TAS	m_e
NEUB	99.95	PP	23:11:47.473	0.2	87.4	7.34	TAS	m_e
PLN	99.75	Pdiff	23:07:33.731	0.3	86.7	4.44	TAS	m_e
PLN	99.75	PP	23:11:45.877	-0.3	87.4	7.34	TAS	m_e
RETH	101.32	Pdiff	23:07:40.854	0.1	86.7	4.44	TAS	m_e
RETH	101.32	PP	23:11:58.159		87.4	7.34	TAS	m_e
ROTZ	99.75	Pdiff	23:07:33.938	-0.2	86.7	4.44	TAS	m_e
ROTZ	99.75	pP	23:09:32.966				T__	m_e
RUE	98.65	Pdiff	23:07:28.751	-0.1	86.7	4.44	TAS	m_e
TANN	99.56	Pdiff	23:07:32.832	0.1	86.7	4.44	TAS	m_e
TANN	99.56	PP	23:11:44.698	-0.5	87.4	7.34	TAS	m_e
TNS	102.14	Pdiff	23:07:44.589	-0.1	86.7	4.44	TAS	m_e
UBBA	101.10	Pdiff	23:07:39.610	0.1	86.7	4.44	TAS	m_e
WET	99.34	Pdiff	23:07:32.002	0.0	86.7	4.44	TAS	m_e
WET	99.34	pP	23:09:30.946				T__	m_e

Event 707001 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/07	01:10:35.28			25.8180	58.4900				20.8					43.40	43.40	m i ke	BGR
OrigID 707007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	707007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	43.40		P	01:18:36.186		111.6		9.03		TAS		11.5	0.88	m_e mb	4.6
GRA1	43.40		pP	01:18:41.730		111.6		9.02		TAS				m_e	

Event 707003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/07	03:56:32.91			-17.8430	-177.3650				600.0				19	144.78	149.24	m i ke	BGR
OrigID 707009																	

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.21		PKPbc	04:15:03.407	0.3	15.3		2.71		TAS				m_e	
BFO	149.24		PKPbc	04:15:14.518		15.3		2.71		TAS				m_e	
BRG	145.83		PKPbc	04:15:05.571	0.2	15.3		2.71		TAS				m_e	
CLZ	145.53		PKPbc	04:15:04.930	0.0	15.3		2.71		TAS				m_e	
FLT1	144.93		PKPbc	04:15:02.630	0.1	15.3		2.71		TAS				m_e	

FUR	148.95	PKPbc	04:15:13.766		15.3	2.71	TAS	m_e
GEC2	147.80	PKPbc	04:15:10.788		15.3	2.71	TAS	m_e
GTTG	145.87	PKPbc	04:15:05.738	0.2	15.3	2.71	TAS	m_e
IBBN	145.37	PKPbc	04:15:04.295	0.1	15.3	2.71	TAS	m_e
KAST	146.40	PKPbc	04:15:07.249	-0.1	15.3	2.71	TAS	m_e
MOX	146.50	PKPbc	04:15:07.292	0.5	15.3	2.71	TAS	m_e
NEUB	145.94	PKPbc	04:15:06.058	0.2	15.3	2.71	TAS	m_e
PLN	146.55	PKPbc	04:15:07.625	-0.6	15.3	2.71	TAS	m_e
RETH	144.78	PKPbc	04:15:02.424	0.1	15.3	2.71	TAS	m_e
ROTZ	147.23	PKPbc	04:15:09.442		15.3	2.71	TAS	m_e
STU	148.69	PKPbc	04:15:12.638		15.3	2.71	TAS	m_e
TANN	146.56	PKPbc	04:15:07.680	-0.1	15.3	2.71	TAS	m_e
TNS	147.36	PKPbc	04:15:10.067		15.3	2.71	TAS	m_e
WLF	148.13	PKPbc	04:15:12.513		15.3	2.71	TAS	m_e

Event 707004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/07	04:21:11.54			-18.5500	-177.5000				497.1			25		144.17	149.92	m i ke	BGR
	707010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.88		PKPbc	04:39:53.912	0.3	14.9		2.83		TAS					m_e
BFO	149.92		PKPbc	04:40:04.684		14.9		2.83		TAS					m_e
BRG	146.49		PKPbc	04:39:55.900	0.2	14.9		2.83		TAS					m_e
BSEG	144.17		PKPbc	04:39:48.406	-0.0	14.9		2.83		TAS					m_e
CLZ	146.20		PKPbc	04:39:55.214	0.1	14.9		2.83		TAS					m_e
FLT1	145.60		PKPbc	04:39:52.853	0.4	14.9		2.83		TAS					m_e
FUR	149.61		PKPbc	04:40:04.285		14.9		2.83		TAS					m_e
GEC2	148.45		PKPbc	04:40:01.217	-0.2	14.9		2.83		TAS					m_e
GEC2	148.45		pPKPbc	04:41:57.669						T__					m_e
GOR1	144.95		PKPbc	04:39:51.317	-0.4	14.9		2.83		TAS					m_e
GRA1	148.15		PKPbc	04:40:00.628	-0.3	14.9		2.83		TAS					m_e
GTTG	146.55		PKPbc	04:39:56.072	0.2	14.9		2.83		TAS					m_e
IBBN	146.06		PKPbc	04:39:54.593	0.0	14.9		2.83		TAS					m_e
KAST	147.08		PKPbc	04:39:57.484	-0.1	14.9		2.83		TAS					m_e
MOX	147.16		PKPbc	04:39:57.701	0.2	14.9		2.83		TAS					m_e
NEUB	146.61		PKPbc	04:39:56.176	0.2	14.9		2.83		TAS					m_e
PLN	147.22		PKPbc	04:39:57.927	0.2	14.9		2.83		TAS					m_e
RETH	145.46		PKPbc	04:39:52.749	0.0	14.9		2.83		TAS					m_e
ROTZ	147.90		PKPbc	04:39:59.886	-0.1	14.9		2.83		TAS					m_e
RUE	145.01		PKPbc	04:39:51.123	-0.2	14.9		2.83		TAS					m_e
STU	149.37		PKPbc	04:40:03.510		14.9		2.83		TAS					m_e
TANN	147.23		PKPbc	04:39:58.074	0.3	14.9		2.83		TAS					m_e

TANN	147.23	pPKPbc	04:41:53.886							T__							m_e
TNS	148.04	PKPbc	04:40:00.242	0.3	14.9				2.83	TAS							m_e
UBBA	147.25	PKPbc	04:39:57.715	0.3	14.9				2.83	TAS							m_e
WET	148.35	PKPbc	04:40:00.910	-0.7	14.9				2.83	TAS							m_e
WLF	148.82	PKPbc	04:40:02.755	-0.2	14.9				2.83	TAS							m_e

Event 708002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/08	00:28:15.60			15.1500	120.3500				105.0					90.46	90.46	m i ke	EMSC
	708034																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	708008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.46		P	00:41:05.800		65.8		4.08		TAS		7.1	1.02	m_e mb	4.8

Event 708003 Kodiak Island, Alaska, United States, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/08	01:07:11.68			56.7350	-154.5640				26.9	0.2		26		69.00	74.81	m i ke	BGR
	708009																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	708009
MBB	5.7		BGR	708009
Ms	4.6		BGR	708009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.82		P	01:18:24.087	0.3	351.9		5.93		TAS		36.9	1.21	a_e MBB	5.7
ASSE	70.82		pP	01:18:31.717						T__				a_e	
BFO	74.34		P	01:18:44.637		351.9		5.93		TAS		86.7	1.98	a_e MBB	5.5
BFO	74.34		pP	01:18:52.317						T__				a_e	
BRG	72.34		P	01:18:33.087	-0.1	351.9		5.93		TAS		69.7	1.61	a_e MBB	5.7
BRG	72.34		pP	01:18:40.767						T__				a_e	
BSEG	69.00		P	01:18:13.237	0.0	351.9		5.93		TAS		69.3	1.60	a_e MBB	5.8
BSEG	69.00		pP	01:18:20.917						T__				a_e	
BUG	71.15		P	01:18:25.737	-0.1	351.9		5.93		TAS		103.8	1.55	a_e MBB	5.8
BUG	71.15		pP	01:18:33.417						T__				a_e	
CLZ	71.08		P	01:18:26.037	-0.3	351.9		5.93		TAS		121.2	1.55	a_e MBB	5.9
CLZ	71.08		pP	01:18:33.717						T__				a_e	
FLT1	70.67		P	01:18:22.637	0.3	351.9		5.93		TAS		69.1	1.57	a_e MBB	5.7

FLT1	70.67	pP	01:18:30.317							T__					a_e		
FUR	74.81	P	01:18:47.587		351.9		5.93			TAS	238.6	2.10			a_e	MBB	5.8
FUR	74.81	pP	01:18:55.267							T__					a_e		
GEC2	74.34	P	01:18:44.837	-0.3	351.9		5.93			TAS	81.1	1.97			a_e	MBB	5.4
GEC2	74.34	pP	01:18:52.517							T__					a_e		
GOR1	70.02	P	01:18:19.637	0.1	351.9		5.93			TAS	54.0	1.41			a_e	MBB	5.9
GOR1	70.02	pP	01:18:27.317							T__					a_e		
GRA1	73.29	P	01:18:38.937	-0.1	351.9		5.93			TAS	19.5	0.91			a_e	MBB	5.7
GRA1	73.29	pP	01:18:46.617							T__					a_e		
GRA1	73.29	L	01:55:36.674							T__	266.4	18.10			a_e	Ms	4.6
GTTG	71.33	P	01:18:27.487	0.0	351.9		5.93			TAS	74.5	1.21			a_e	MBB	5.9
GTTG	71.33	pP	01:18:35.167							T__					a_e		
IBBN	70.35	P	01:18:21.387	-0.1	351.9		5.93			TAS	113.9	1.57			a_e	MBB	5.9
IBBN	70.35	pP	01:18:29.017							T__					a_e		
KAST	71.51	P	01:18:28.237	0.0	351.9		5.93			TAS	36.2	1.32			a_e	MBB	5.5
KAST	71.51	pP	01:18:35.917							T__					a_e		
MOX	72.38	P	01:18:33.337	0.2	351.9		5.93			TAS	63.8	1.37			m_e	MBB	5.7
MOX	72.38	pP	01:18:41.017							T__					m_e		
MOX	72.38	L	01:55:51.291							T__	268.4	18.50			a_e	Ms	4.5
NEUB	71.85	P	01:18:30.087	0.0	351.9		5.93			TAS	110.8	1.53			a_e	MBB	5.8
NEUB	71.85	pP	01:18:37.767							T__					a_e		
PLN	72.58	P	01:18:34.537	0.0	351.9		5.93			TAS	6.2	0.95			a_e	MBB	5.1
PLN	72.58	pP	01:18:42.217							T__					a_e		
RETH	70.09	P	01:18:19.887	0.0	351.9		5.93			TAS	79.9	1.55			a_e	MBB	5.8
RETH	70.09	pP	01:18:27.567							T__					a_e		
ROTZ	73.30	P	01:18:38.987	0.2	351.9		5.93			TAS	5.3	0.99			a_e	MBB	5.1
ROTZ	73.30	pP	01:18:46.667							T__					a_e		
RUE	70.73	P	01:18:23.637	-0.7	351.9		5.93			TAS	95.3	1.22			a_e	MBB	6.1
RUE	70.73	pP	01:18:31.317							T__					a_e		
STU	74.00	P	01:18:42.737	-0.2	351.9		5.93			TAS	325.4	2.13			a_e	MBB	5.9
STU	74.00	pP	01:18:50.417							T__					a_e		
TANN	72.68	P	01:18:35.337	0.1	351.9		5.93			TAS	73.9	1.90			a_e	MBB	5.7
TANN	72.68	pP	01:18:43.017							T__					a_e		
TNS	72.48	P	01:18:33.987	0.5	351.9		5.93			TAS	20.4	0.87			a_e	MBB	5.6
TNS	72.48	pP	01:18:41.667							T__					a_e		
UBBA	72.06	P	01:18:31.487	-0.1	351.9		5.93			TAS	43.0	1.67			a_e	MBB	5.6
UBBA	72.06	pP	01:18:39.167							T__					a_e		
WET	73.97	P	01:18:43.137	-0.2	351.9		5.93			TAS	42.9	1.46			a_e	MBB	5.5
WET	73.97	pP	01:18:50.817							T__					a_e		
WLF	72.77	P	01:18:36.037	0.3	351.9		5.93			TAS	131.3	1.83			a_e	MBB	5.8
WLF	72.77	pP	01:18:43.717							T__					a_e		

Event 708004 Yunnan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/08	02:40:06.26		25.9820	103.0990				33.0				20		69.79	74.90	m i ke	BGR

708010

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	708010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	71.36		P	02:51:21.520	-0.1	71.2		6.02		TAS		6.4	1.00	m_e	mb	4.7
BFO	74.06		P	02:51:37.621		71.2		6.02		TAS		5.1	0.99	m_e	mb	4.5
BRG	69.79		P	02:51:12.065	0.5	71.2		6.02		TAS		5.1	0.72	m_e	mb	4.8
BSEG	71.00		P	02:51:20.002	-0.2	71.2		6.02		TAS		6.6	0.84	m_e	mb	4.8
CLZ	71.63		P	02:51:23.645	-0.2	71.2		6.02		TAS		7.9	0.82	m_e	mb	4.9
FLT1	70.97		P	02:51:18.753	-0.4	71.2		6.02		TAS		6.2	1.10	m_e	mb	4.7
FUR	72.27		P	02:51:27.711		71.2		6.02		TAS		19.2	0.66	m_e	mb	5.4
GEC2	70.53		P	02:51:16.837		71.2		6.02		TAS		4.1	0.73	m_e	mb	4.7
GRA1	71.81		P	02:51:24.977		71.2		6.02		TAS		5.4	0.76	m_e	mb	4.8
GTTG	71.97		P	02:51:25.443	-0.1	71.2		6.02		TAS		6.9	0.83	m_e	mb	4.8
MOX	71.27		P	02:51:21.141	0.1	71.2		6.02		TAS		3.4	1.05	m_e	mb	4.4
NEUB	71.00		P	02:51:19.402	0.1	71.2		6.02		TAS		16.3	1.03	m_e	mb	5.1
PLN	70.99		P	02:51:19.342	-0.0	71.2		6.02		TAS		1.2	0.85	m_e	mb	4.1
ROTZ	71.18		P	02:51:20.907		71.2		6.02		TAS		2.7	0.79	m_e	mb	4.4
STU	73.37		P	02:51:33.872		71.2		6.02		TAS		23.0	0.68	m_e	mb	5.4
TANN	70.83		P	02:51:18.510	-0.5	71.2		6.02		TAS		3.7	0.74	m_e	mb	4.6
TNS	73.32		P	02:51:33.572	0.4	71.2		6.02		TAS		5.3	0.87	m_e	mb	4.7
UBBA	72.18		P	02:51:26.359	0.2	71.2		6.02		TAS		3.1	0.53	m_e	mb	4.7
WET	70.95		P	02:51:19.569		71.2		6.02		TAS		4.7	0.89	m_e	mb	4.6
WLF	74.90		P	02:51:43.247		71.2		6.02		TAS		14.1	0.93	m_e	mb	5.0

Event	708001	Poland																
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2020/07/08	05:19:00.14	0.19	0.80	51.5290	16.1790	2.2	1.1	27	1.0			42	98	0.69	6.65	m i ki	BGR	
OrigID																		
708007																		

Magnitude	Err	Nsta	Author	OrigID
ML	4.7		BGR	708007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
A807			Sg	05:19:58.827	1.4					T__				m_e		
A807			Pn	05:19:30.321	-1.1					T__				m_e	ML	4.7
A807			Pg	05:19:33.548	-0.6					T__				m_e		
BE1			Pn	05:20:13.202	0.8					T__				m_e		
BFO	5.99		Sg	05:22:09.921	-0.4					T__				m_e		
BFO	5.99		Pn	05:20:27.254	-0.6					T__				m_e		
BFO	5.99		Pg	05:20:53.997	1.0					T__				m_e		
BRG	1.55		Sg	05:19:50.104	0.7					T__				m_e		
BRG	1.55		Pn	05:19:26.970	-1.1					T__				m_e	ML	4.5

BRG	1.55	Pg	05:19:28.438	-0.9	T__	m_e	
BSEG	4.30	Pn	05:20:04.206	-0.9	T__	m_e	
BUG	5.57	Pn	05:20:22.513	0.4	T__	m_e	
CLZ	3.63	Sg	05:20:55.318	0.1	T__	m_e	
CLZ	3.63	Pn	05:19:56.415	0.4	T__	m_e	ML 4.7
CLZ	3.63	Pg	05:20:09.345	0.9	T__	m_e	
DPC	1.18	Sg	05:19:38.299	0.6	T__	m_e	
DPC	1.18	Pg	05:19:21.898	-0.5	T__	m_e	ML 5.0
FALKS		Pn	05:19:47.658	-0.8	T__	m_e	
FALKS		Pg	05:19:57.814	-0.1	T__	m_e	
FBE	1.88	Sg	05:19:59.495	-0.2	T__	m_e	
FBE	1.88	Pn	05:19:32.018	-0.4	T__	m_e	ML 4.3
FBE	1.88	Pg	05:19:34.836	-0.7	T__	m_e	
FLT1	3.16	Sg	05:20:39.814	-0.7	T__	m_e	
FLT1	3.16	Pn	05:19:49.038	-0.7	T__	m_e	ML 4.5
FLT1	3.16	Pg	05:19:59.174	-0.5	T__	m_e	
FUR	4.63	Pn	05:20:10.702	1.2	T__	m_e	
GEC2	3.12	Sg	05:20:37.661	-1.6	T__	m_e	
GEC2	3.12	Pn	05:19:49.478	0.3	T__	m_e	ML 4.9
GEC2	3.12	Pg	05:19:58.144	-0.8	T__	m_e	
GKP	1.86	Pn	05:19:32.710	0.5	T__	m_e	
GOLD		Pn	05:20:07.427	1.3	T__	m_e	
GRA1	3.65	Sg	05:20:55.592	-0.5	T__	m_e	
GRA1	3.65	Pn	05:19:57.029	0.7	T__	m_e	ML 5.4
GRA1	3.65	Pg	05:20:10.618	1.7	T__	m_e	
GTTG	3.88	Sg	05:21:02.415	-0.9	T__	m_e	
GTTG	3.88	Pn	05:20:00.321	0.9	T__	m_e	ML 5.1
GTTG	3.88	Pg	05:20:12.203	-1.0	T__	m_e	
IBBN	5.27	Pn	05:20:19.158	1.0	T__	m_e	
KAST	4.88	Sg	05:21:36.833	2.0	T__	m_e	
KAST	4.88	Pn	05:20:12.882	0.1	T__	m_e	
KAST	4.88	Pg	05:20:32.597	0.7	T__	m_e	
KHUS	4.10	Pn	05:20:02.282	-0.0	T__	m_e	
KHUS	4.10	Pg	05:20:17.181	-0.1	T__	m_e	
KSP	0.69	Sg	05:19:23.153	1.0	T__	m_e	
KSP	0.69	Pg	05:19:13.117	-0.0	T__	m_e	ML 4.0
KW1		Pn	05:20:03.960	1.3	T__	m_e	
KW1		Pg	05:20:17.852	0.1	T__	m_e	
LNIZ	2.31	Pn	05:19:36.773	-1.4	T__	m_e	ML 4.8
LOCC		Pn	05:20:07.801	0.8	T__	m_e	
MORC	1.96	Sg	05:20:02.563	0.3	T__	m_e	
MORC	1.96	Pn	05:19:33.150	-0.3	T__	m_e	ML 4.9
MOX	3.01	Sg	05:20:35.893	0.2	T__	m_e	
MOX	3.01	Pn	05:19:47.399	-0.3	T__	m_e	ML 4.8
MOX	3.01	Pg	05:19:56.838	0.0	T__	m_e	
NEUB	2.78	Sg	05:20:28.867	0.4	T__	m_e	
NEUB	2.78	Pn	05:19:44.773	0.2	T__	m_e	ML 5.1
NEUB	2.78	Pg	05:19:52.223	-0.3	T__	m_e	
NORI		Pn	05:20:09.692	1.3	T__	m_e	

OJC	2.64	Sg	05:20:25.420	1.4	T__	m_e		
OJC	2.64	Pn	05:19:41.086	-1.6	T__	m_e ML	4.8	
OJC	2.64	Pg	05:19:49.218	-0.7	T__	m_e		
OKC	2.11	Sg	05:20:05.961	-1.0	T__	m_e		
OKC	2.11	Pn	05:19:35.079	-0.4	T__	m_e ML	4.2	
OKC	2.11	Pg	05:19:39.720	-0.1	T__	m_e		
POSS	3.33	Sg	05:20:46.875	1.0	T__	m_e		
POSS	3.33	Pn	05:19:51.890	-0.1	T__	m_e ML	4.7	
POSS	3.33	Pg	05:20:03.160	0.3	T__	m_e		
RETH	4.37	Pn	05:20:07.068	1.0	T__	m_e		
ROTZ	3.08	Sg	05:20:36.684	-1.3	T__	m_e		
ROTZ	3.08	Pn	05:19:48.725	0.1	T__	m_e ML	4.7	
ROTZ	3.08	Pg	05:19:59.032	0.8	T__	m_e		
RUE	1.76	Sg	05:19:56.305	0.3	T__	m_e		
RUE	1.76	Pn	05:19:29.828	-1.0	T__	m_e ML	4.2	
SPAHL	4.05	Sg	05:21:09.041	0.4	T__	m_e		
SPAHL	4.05	Pn	05:20:02.160	0.5	T__	m_e ML	5.1	
SPAHL	4.05	Pg	05:20:15.474	-0.9	T__	m_e		
TANN	2.60	Sg	05:20:22.745	0.0	T__	m_e		
TANN	2.60	Pn	05:19:42.207	0.0	T__	m_e ML	4.7	
TANN	2.60	Pg	05:19:49.061	-0.1	T__	m_e		
TNS	5.07	Sg	05:21:40.025	-0.9	T__	m_e		
TNS	5.07	Pn	05:20:15.975	0.6	T__	m_e		
UBBA	3.95	Sg	05:21:05.424	-0.1	T__	m_e		
UBBA	3.95	Pn	05:19:59.895	-0.5	T__	m_e ML	4.8	
UBBA	3.95	Pg	05:20:13.771	-0.8	T__	m_e		
WERD	2.68	Sg	05:20:24.707	-0.4	T__	m_e		
WERD	2.68	Pn	05:19:43.028	-0.1	T__	m_e ML	4.7	
WERD	2.68	Pg	05:19:50.498	-0.0	T__	m_e		
WET	3.19	Sg	05:20:40.533		T__	m_e		
WET	3.19	Pn	05:19:50.263	0.2	T__	m_e ML	4.6	
WIMM	2.92	Sg	05:20:31.942	-0.9	T__	m_e		
WIMM	2.92	Pn	05:19:46.615	0.2	T__	m_e ML	4.5	
WIMM	2.92	Pg	05:19:53.706	-1.4	T__	m_e		
WLF	6.65	Pn	05:20:37.542	0.8	T__	m_e		

Event 708007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/08	08:27:14.42			-18.5400	-178.6700				600.0			25		144.00	149.75	m i ke	BGR
	708013																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.69		PKPbc	08:45:46.131	0.5	15.4		2.85		TAS				m_e	

BFO	149.75	PKPbc	08:45:57.037		15.4	2.85	TAS	m_e
BFO	149.75	PKPab	08:46:03.520		15.9	3.89	TAS	m_e
BRG	146.22	PKPbc	08:45:48.047	0.2	15.4	2.85	TAS	m_e
BSEG	144.00	PKPbc	08:45:40.687	-0.1	15.4	2.85	TAS	m_e
BUG	146.84	PKPbc	08:45:49.182	0.1	15.4	2.85	TAS	m_e
CLZ	146.01	PKPbc	08:45:47.487	0.3	15.4	2.85	TAS	m_e
FLT1	145.39	PKPbc	08:45:45.037	0.0	15.4	2.85	TAS	m_e
FUR	149.36	PKPbc	08:45:56.448		15.4	2.85	TAS	m_e
GEC2	148.15	PKPbc	08:45:53.340	-0.3	15.4	2.85	TAS	m_e
GEC2	148.15	PKPab	08:45:57.583		15.9	3.89	TAS	m_e
GOR1	144.75	PKPbc	08:45:43.298	0.1	15.4	2.85	TAS	m_e
GRA1	147.92	PKPbc	08:45:52.874	0.3	15.4	2.85	TAS	m_e
GRA1	147.92	PKPab	08:45:56.684		15.9	3.89	TAS	m_e
GTTG	146.37	PKPbc	08:45:48.347	-0.2	15.4	2.85	TAS	m_e
IBBN	145.93	PKPbc	08:45:46.863	0.1	15.4	2.85	TAS	m_e
KAST	146.93	PKPbc	08:45:49.731	0.2	15.4	2.85	TAS	m_e
MOX	146.94	PKPbc	08:45:49.841	0.2	15.4	2.85	TAS	m_e
NEUB	146.38	PKPbc	08:45:48.379	0.1	15.4	2.85	TAS	m_e
PLN	146.97	PKPbc	08:45:50.095	0.2	15.4	2.85	TAS	m_e
RETH	145.30	PKPbc	08:45:45.046	0.0	15.4	2.85	TAS	m_e
ROTZ	147.64	PKPbc	08:45:52.037	-0.1	15.4	2.85	TAS	m_e
RUE	144.76	PKPbc	08:45:43.304	-0.2	15.4	2.85	TAS	m_e
STU	149.18	PKPbc	08:45:55.827		15.4	2.85	TAS	m_e
STU	149.18	PKPab	08:46:01.212		15.9	3.89	TAS	m_e
TANN	146.98	PKPbc	08:45:50.194	0.2	15.4	2.85	TAS	m_e
TNS	147.88	PKPbc	08:45:52.543	-0.2	15.4	2.85	TAS	m_e
TNS	147.88	PKPab	08:45:56.077		15.9	3.89	TAS	m_e
WET	148.08	PKPbc	08:45:53.072	-0.2	15.4	2.85	TAS	m_e
WET	148.08	PKPab	08:45:57.419		15.9	3.89	TAS	m_e
WLF	148.71	PKPbc	08:45:55.085	-0.6	15.4	2.85	TAS	m_e
WLF	148.71	PKPab	08:45:59.666		15.9	3.89	TAS	m_e

Event 708010 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/08	21:05:28.41			36.3700	140.5900				50.7			19		80.35	85.56	m i ke	BGR
	708016																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	708016
Ms	3.9		BGR	708016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.56		P	21:18:01.076		38.8		5.17		TAS		9.7	1.01	m_e	mb 4.9
BFO	85.56		pP	21:18:15.716						T__				m_e	
BRG	81.28		P	21:17:39.311	0.4	38.8		5.17		TAS		5.5	0.88	m_e	mb 4.6

./bul2007.txt

Tue Feb 22 15:12:57 2022

20

BSEG	80.35	P	21:17:34.579	0.0	38.8	5.17	TAS	7.3	1.00	m_e	mb	4.6
CLZ	81.97	P	21:17:43.314	-0.2	38.8	5.17	TAS	13.2	1.11	m_e	mb	5.0
FLT1	81.25	P	21:17:38.721	0.0	38.8	5.17	TAS	16.9	1.16	m_e	mb	5.0
GEC2	82.92	P	21:17:47.775		38.8	5.17	TAS	3.7	0.82	m_e	mb	4.7
GOR1	80.71	P	21:17:36.512	-0.0	38.8	5.17	TAS	19.1	1.13	m_e	mb	5.0
GRA1	83.31	P	21:17:50.404		38.8	5.17	TAS	13.6	0.91	m_e	mb	5.2
GRA1	83.31	L	21:58:30.028				T__	46.8	18.10	a_e	Ms	3.9
GTTG	82.36	P	21:17:45.234	-0.1	38.8	5.17	TAS	9.2	0.70	m_e	mb	5.0
IBBN	82.58	P	21:17:46.078	0.2	38.8	5.17	TAS	16.3	1.17	m_e	mb	5.1
KAST	83.22	P	21:17:49.482	-0.2	38.8	5.17	TAS	9.6	1.37	m_e	mb	4.8
MOX	82.41	P	21:17:45.253	0.2	38.8	5.17	TAS	4.2	0.91	m_e	mb	4.6
MOX	82.41	L	21:54:20.416				T__	52.6	20.30	a_e	Ms	3.9
NEUB	81.92	P	21:17:42.610	0.1	38.8	5.17	TAS	16.3	1.01	m_e	mb	5.1
PLN	82.31	P	21:17:44.793	-0.2	38.8	5.17	TAS	1.5	0.92	m_e	mb	4.1
RETH	81.65	P	21:17:41.305	-0.6	38.8	5.17	TAS	6.6	0.97	m_e	mb	4.7
ROTZ	82.85	P	21:17:47.944		38.8	5.17	TAS	3.5	1.37	m_e	mb	4.4
TANN	82.24	P	21:17:44.276	-0.5	38.8	5.17	TAS	62.7	2.92	m_e	mb	5.2
TNS	83.99	P	21:17:53.514		38.8	5.17	TAS	7.7	1.30	m_e	mb	4.8
WET	83.05	P	21:17:48.798		38.8	5.17	TAS	9.5	1.28	m_e	mb	4.9

Event 709001 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/09	05:14:07.46			47.0240	149.1450				100.2	0.8		19		73.52	79.09	m i ke	BGR
	709007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	709007
MBB	5.4		BGR	709007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	79.09		P	05:25:58.253		28.0		5.67		TAS		8.3	0.80	m_e	mb	4.8
BFO	79.09		sP	05:26:35.227						T__				m_e		
BRG	75.13		P	05:25:36.032	-0.1	28.0		5.67		TAS		9.4	0.77	m_e	MBB	5.0
BSEG	73.52		P	05:25:27.151	-0.6	28.0		5.67		TAS		10.0	0.90	m_e	mb	4.8
BUG	76.59		P	05:25:44.494	-0.6	28.0		5.67		TAS		68.1	1.60	m_e	mb	5.5
BUG	76.59		sP	05:26:21.492						T__				m_e		
CLZ	75.36		P	05:25:38.084	-0.1	28.0		5.67		TAS		28.2	0.64	m_e	MBB	5.5
FLT1	74.68		P	05:25:33.240	0.0	28.0		5.67		TAS		31.0	0.63	m_e	MBB	5.6
GEC2	76.97		P	05:25:46.781		28.0		5.67		TAS		12.0	0.58	m_e	MBB	5.3
GEC2	76.97		sP	05:26:23.372						T__				m_e		
GRA1	77.01		P	05:25:47.443		28.0		5.67		TAS		37.1	0.69	m_e	MBB	5.8
GRA1	77.01		sP	05:26:24.193						T__				m_e		
GTTG	75.74		P	05:25:40.059	-0.1	28.0		5.67		TAS		22.2	1.06	m_e	mb	5.2
IBBN	75.67		P	05:25:39.405	0.2	28.0		5.67		TAS		26.0	0.67	m_e	MBB	5.7
KAST	76.48		P	05:25:44.216	0.1	28.0		5.67		TAS		11.6	0.93	m_e	mb	5.0

./bul2007.txt

Tue Feb 22 15:12:57 2022

21

MOX	76.05	P	05:25:41.552	0.4	28.0	5.67	TAS	25.4	1.25	m_e	mb	5.2
MOX	76.05	sP	05:26:18.247				T__				m_e	
PLN	76.02	P	05:25:41.386	-0.0	28.0	5.67	TAS	3.2	0.84	m_e	mb	4.5
PLN	76.02	sP	05:26:18.351				T__				m_e	
RETH	74.85	P	05:25:34.806	0.2	28.0	5.67	TAS	16.2	0.73	m_e	MBB	5.5
ROTZ	76.64	P	05:25:45.118		28.0	5.67	TAS	2.7	0.64	m_e	MBB	4.8
ROTZ	76.64	sP	05:26:22.004				T__				m_e	
TANN	75.99	P	05:25:41.221	0.2	28.0	5.67	TAS	7.1	0.66	m_e	MBB	5.2
TNS	77.36	P	05:25:49.099		28.0	5.67	TAS	14.4	0.59	m_e	MBB	5.4
TNS	77.36	sP	05:26:25.640				T__				m_e	
UBBA	76.37	P	05:25:43.203	0.4	28.0	5.67	TAS	12.8	0.69	m_e	mb	5.2
WET	76.97	P	05:25:47.221		28.0	5.67	TAS	17.7	0.76	m_e	MBB	5.4
WET	76.97	sP	05:26:23.906				T__				m_e	

Event 710004 Carlsberg Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/10	06:29:46.91			-2.9500	67.0050				33.0				17	69.15	73.91	m i ke	BGR
	710010																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	710010
Ms	4.2		BGR	710010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.48		P	06:41:11.254	-0.1	119.2		6.06		TAS		69.6	1.52	m_e	mb	5.6
BFO	72.04		P	06:41:08.738		119.2		6.06		TAS		72.8	1.36	m_e	mb	5.6
BFO	72.04		L	07:17:05.222						T__		160.0	20.90	a_e	Ms	4.3
BRG	70.08		P	06:40:56.711	-0.0	119.2		6.06		TAS		57.7	1.62	m_e	mb	5.5
BSEG	73.56		L	07:17:08.336						T__		130.7	19.80	a_e	Ms	4.2
CLZ	72.50		P	06:41:11.596	0.1	119.2		6.06		TAS		64.9	1.42	m_e	mb	5.6
FLT1	72.28		P	06:41:09.737	0.1	119.2		6.06		TAS		62.4	1.44	m_e	mb	5.5
FUR	70.21		P	06:40:57.495		119.2		6.06		TAS		173.6	1.38	m_e	mb	6.0
FUR	70.21		L	07:11:28.499						T__		135.3	21.90	a_e	Ms	4.2
GEC2	69.15		L	07:15:19.512						T__		171.2	21.40	a_e	Ms	4.3
GRA1	70.98		P	06:41:02.330		119.2		6.06		TAS		144.3	1.34	m_e	mb	5.9
GRA1	70.98		L	07:15:31.385						T__		155.8	19.50	a_e	Ms	4.3
GTTG	72.58		P	06:41:12.121	0.1	119.2		6.06		TAS		39.2	1.12	m_e	mb	5.4
KAST	73.28		P	06:41:16.317	0.3	119.2		6.06		TAS		24.9	1.26	m_e	mb	5.2
MOX	71.23		P	06:41:03.920	-0.1	119.2		6.06		TAS		35.1	1.33	m_e	mb	5.3
MOX	71.23		L	07:16:37.742						T__		103.7	21.90	a_e	Ms	4.0
NEUB	71.42		P	06:41:05.066	-0.1	119.2		6.06		TAS		88.2	1.30	m_e	mb	5.7
RETH	73.48		P	06:41:17.212	0.1	119.2		6.06		TAS		57.2	1.48	m_e	mb	5.5
RUE	71.02		P	06:41:02.714	0.1	119.2		6.06		TAS		85.4	1.07	m_e	mb	5.8
TANN	70.65		P	06:41:00.162		119.2		6.06		TAS		23.7	1.41	m_e	mb	5.1
TNS	72.81		P	06:41:13.725		119.2		6.06		TAS		79.9	1.39	m_e	mb	5.7

./bul2007.txt

Tue Feb 22 15:12:57 2022

22

TNS	72.81	L	07:16:46.172						T__	124.6	21.70	a_e	Ms	4.2
UBBA	72.21	P	06:41:09.910	0.1	119.2			6.06	TAS	57.9	1.47	m_e	mb	5.5
WET	69.77	L	07:15:55.967						T__	131.9	19.90	a_e	Ms	4.2
WLF	73.91	P	06:41:19.892		119.2			6.06	TAS	64.3	1.31	m_e	mb	5.5

Event 710005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/10	17:11:57.30			-17.3200	-173.9200				94.0			21		144.83	149.02	m i ke	EMSC
	710037																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	710011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.08		PKPbc	17:31:23.688	-0.1	8.3		3.02		TAS				a_e	
BFO	149.02		PKPbc	17:31:35.088		8.3		3.02		TAS				a_e	
BRG	145.94		PKPbc	17:31:26.488	0.2	8.3		3.02		TAS				a_e	
BUG	145.94		PKPbc	17:31:26.188	0.3	8.3		3.02		TAS				a_e	
CLZ	145.39		PKPbc	17:31:24.788	0.3	8.3		3.02		TAS				m_e	
FLT1	144.83		PKPbc	17:31:22.238	-0.1	8.3		3.02		TAS				a_e	
FUR	148.95		PKPbc	17:31:34.988		8.3		3.02		TAS				a_e	
GEC2	147.95		PKPbc	17:31:32.388		8.3		3.02		TAS				a_e	
GRA1	147.44		PKPbc	17:31:31.338		8.3		3.02		TAS				a_e	
GRA1	147.44		L	18:32:11.457								43.7	18.90	a_e	Ms 4.3
GTTG	145.71		PKPbc	17:31:25.838	0.2	8.3		3.02		TAS				a_e	
IBBN	145.06		PKPbc	17:31:23.588	0.1	8.3		3.02		TAS				a_e	
KAST	146.15		PKPbc	17:31:27.138	0.2	8.3		3.02		TAS				m_e	
MOX	146.46		PKPbc	17:31:28.188	0.2	8.3		3.02		TAS				a_e	
MOX	146.46		L	18:39:00.386						T__		32.6	21.40	a_e	Ms 4.1
NEUB	145.90		PKPbc	17:31:26.188	1.2	8.3		3.02		TAS				a_e	
PLN	146.56		PKPbc	17:31:28.588	-0.3	8.3		3.02		TAS				a_e	
STU	148.53		PKPbc	17:31:33.938		8.3		3.02		TAS				a_e	
TANN	146.59		PKPbc	17:31:28.638	-0.3	8.3		3.02		TAS				a_e	
TNS	147.12		PKPbc	17:31:31.188	-0.6	8.3		3.02		TAS				a_e	
UBBA	146.43		PKPbc	17:31:28.138	0.4	8.3		3.02		TAS				a_e	
WET	147.78		PKPbc	17:31:32.288		8.3		3.02		TAS				a_e	
WLF	147.74		PKPbc	17:31:32.338	-0.5	8.3		3.02		TAS				a_e	

Event 710006 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/10	20:14:27.77			28.2150	50.6080				33.0			18		34.99	39.93	m i ke	BGR

710012

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	710012
Ms	3.4		BGR	710012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	38.19		L	20:42:09.067						T__		53.3	18.00	a_e	Ms 3.4
BRG	35.67		P	20:21:22.136	0.0	110.9		8.50		TAS		7.4	0.95	m_e	mb 4.5
BSEG	38.99		L	20:40:46.776						T__		40.5	19.00	a_e	Ms 3.3
BUG	39.78		P	20:21:57.434	-0.3	110.9		8.50		TAS		13.1	1.06	m_e	mb 4.5
CLZ	38.11		P	20:21:43.377	-0.4	110.9		8.50		TAS		17.4	0.83	m_e	mb 4.8
FLT1	37.81		P	20:21:40.226	0.3	110.9		8.50		TAS		38.8	1.26	m_e	mb 5.0
FUR	36.26		P	20:21:28.431		110.9		8.50		TAS		41.5	1.08	m_e	mb 5.2
FUR	36.26		L	20:41:10.068						T__		56.9	18.20	a_e	Ms 3.4
GEC2	34.99		P	20:21:17.122		110.9		8.50		TAS		2.8	0.81	m_e	mb 4.2
GOR1	38.05		P	20:21:42.488	-0.2	110.9		8.50		TAS		35.0	1.07	m_e	mb 5.0
GRA1	36.81		P	20:21:32.532		110.9		8.50		TAS		16.9	0.75	m_e	mb 4.8
GRA1	36.81		L	20:40:19.914						T__		46.6	19.40	a_e	Ms 3.3
GTTG	38.23		P	20:21:44.603	0.0	110.9		8.50		TAS		11.6	1.01	m_e	mb 4.6
KAST	39.02		P	20:21:51.568	-0.3	110.9		8.50		TAS		18.6	1.15	m_e	mb 4.6
MOX	36.93		P	20:21:33.061	0.1	110.9		8.50		TAS		4.2	0.98	m_e	mb 4.1
MOX	36.93		L	20:41:45.525						T__		87.0	20.00	a_e	Ms 3.5
NEUB	37.05		P	20:21:34.214	-0.5	110.9		8.50		TAS		8.4	0.77	m_e	mb 4.5
RETH	39.03		P	20:21:50.981	0.1	110.9		8.50		TAS		30.7	1.42	m_e	mb 4.7
RUE	36.47		P	20:21:28.720	0.2	110.9		8.50		TAS		77.6	1.37	m_e	mb 5.3
TANN	36.34		P	20:21:28.127		110.9		8.50		TAS		2.7	0.85	m_e	mb 4.1
TNS	38.68		L	20:43:42.760						T__		65.7	18.80	a_e	Ms 3.5
UBBA	37.95		P	20:21:42.132	-0.3	110.9		8.50		TAS		9.2	1.19	m_e	mb 4.4
WET	35.61		P	20:21:21.901		110.9		8.50		TAS		6.0	0.84	m_e	mb 4.5
WET	35.61		L	20:38:24.635						T__		84.7	18.60	a_e	Ms 3.5
WLF	39.93		P	20:21:58.452		110.9		8.50		TAS		13.5	0.93	m_e	mb 4.6

Event 711003 Northeastern China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/11	22:38:32.18			39.7840	118.6920				33.0					66.48	72.80	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	711009
Ms	4.6		BGR	711009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	72.80		L	23:20:17.003						T__		377.5	19.90	a_e	Ms 4.7
BSEG	68.26		L	23:19:12.678						T__		144.6	19.90	a_e	Ms 4.2

./bul2007.txt

Tue Feb 22 15:12:57 2022

24

FUR	71.40	L	23:22:52.148							T__	336.4	19.10	a_e	Ms	4.6
GEC2	69.71	L	23:19:09.619							T__	285.2	21.70	a_e	Ms	4.5
GRA1	70.46	P	22:49:42.162	57.0		5.70				TAS	7.8	0.78	m_e	mb	4.9
GRA1	70.46	L	23:19:45.370							T__	313.7	20.00	a_e	Ms	4.6
MOX	69.67	L	23:17:25.603							T__	488.1	20.60	a_e	Ms	4.7
RGN	66.48	L	23:15:25.615							T__	259.6	21.30	a_e	Ms	4.4
TNS	71.51	L	23:18:43.135							T__	429.8	20.20	a_e	Ms	4.7
WET	69.95	L	23:19:52.278							T__	344.3	19.50	a_e	Ms	4.6

Event 712001 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	00:28:57.59			41.4820	74.6700				33.0					43.48	43.95	m i ke	BGR
OrigID 712007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	712007
Ms	3.3		BGR	712007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	43.95		P	00:37:00.565		80.5		6.93		TAS		4.9	0.88	m_e	mb	4.2
GRA1	43.95		L	00:58:19.830						T__		27.8	20.80	a_e	Ms	3.1
MOX	43.48		L	00:56:27.189						T__		46.5	20.80	a_e	Ms	3.4

Event 712002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	01:43:09.80			-18.1400	-178.2400				525.0				23	143.66	149.41	m i ke	EMSC
OrigID 712034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.37		PKPbc	02:01:48.396	0.4	15.9		2.75		TAS				m_e	
BFO	149.41		PKPbc	02:01:59.199		15.9		2.75		TAS				a_e	
BFO	149.41		PKPab	02:02:05.966		14.1		4.34		TAS				m_e	
BRG	145.93		PKPbc	02:01:50.299	0.2	15.9		2.75		TAS				m_e	
BSEG	143.66		PKPbc	02:01:43.268	0.0	15.9		2.75		TAS				m_e	
BUG	146.49		PKPbc	02:01:51.500	0.2	15.9		2.75		TAS				m_e	
CLZ	145.69		PKPbc	02:01:49.613	-0.2	15.9		2.75		TAS				m_e	
FLT1	145.08		PKPbc	02:01:47.349	0.3	15.9		2.75		TAS				a_e	
FUR	149.06		PKPbc	02:01:58.102		15.9		2.75		TAS				m_e	
FUR	149.06		PKPab	02:02:04.956		14.1		4.34		TAS				m_e	

./bul2007.txt

Tue Feb 22 15:12:57 2022

25

GEC2	147.88	PKPbc	02:01:55.615		15.9	2.75	TAS	m_e
GOR1	144.43	PKPbc	02:01:45.849	-0.4	15.9	2.75	TAS	a_e
GRA1	147.62	PKPbc	02:01:54.672		15.9	2.75	TAS	m_e
GRA1	147.62	PKPab	02:01:58.909		14.1	4.34	TAS	m_e
GTTG	146.04	PKPbc	02:01:50.649	-0.1	15.9	2.75	TAS	a_e
IBBN	145.58	PKPbc	02:01:49.270	0.2	15.9	2.75	TAS	m_e
KAST	146.59	PKPbc	02:01:51.757	0.2	15.9	2.75	TAS	m_e
MOX	146.63	PKPbc	02:01:52.099	0.3	15.9	2.75	TAS	a_e
MOX	146.63	PKPab	02:01:54.005		14.1	4.34	TAS	m_e
NEUB	146.07	PKPbc	02:01:50.599	-0.3	15.9	2.75	TAS	a_e
PLN	146.67	PKPbc	02:01:52.271	0.1	15.9	2.75	TAS	m_e
RETH	144.96	PKPbc	02:01:47.399	0.1	15.9	2.75	TAS	a_e
RUE	144.46	PKPbc	02:01:45.599	-0.3	15.9	2.75	TAS	a_e
STU	148.86	PKPbc	02:01:57.949		15.9	2.75	TAS	a_e
STU	148.86	PKPab	02:02:03.888		14.1	4.34	TAS	m_e
TANN	146.68	PKPbc	02:01:52.399	0.4	15.9	2.75	TAS	a_e
TANN	146.68	PKPab	02:01:54.582		14.1	4.34	TAS	m_e
TNS	147.55	PKPbc	02:01:54.587	0.1	15.9	2.75	TAS	m_e
TNS	147.55	PKPab	02:01:58.271		14.1	4.34	TAS	m_e
UBBA	146.74	PKPbc	02:01:51.843	0.2	15.9	2.75	TAS	m_e
WET	147.79	PKPbc	02:01:55.219		15.9	2.75	TAS	m_e
WET	147.79	PKPab	02:02:00.034		14.1	4.34	TAS	m_e
WLF	148.35	PKPbc	02:01:57.249	-0.1	15.9	2.75	TAS	a_e
WLF	148.35	PKPab	02:02:01.878		14.1	4.34	TAS	m_e

Event 712003 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	02:49:18.99			36.2580	71.4390				33.0					44.54	45.12	m i ke	BGR
712009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	712009
Ms	3.3		BGR	712009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	45.12		P	02:57:30.704		93.0		6.97		TAS		3.3	0.71	m_e	mb 4.4
GRA1	44.89		P	02:57:29.610		93.0		6.97		TAS		11.5	1.40	m_e	mb 4.6
GRA1	44.89		L	03:16:12.987						T__		40.2	18.20	a_e	Ms 3.4
MOX	44.54		L	03:19:25.937						T__		33.0	19.00	a_e	Ms 3.3

Event 712004 Fox Islands, Aleutian Islands, United States

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

OrigID
 2020/07/12 04:20:26.56 52.0190 -169.3870 33.0 74.42 80.20 m i ke BGR
 712010

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 712010
 Ms 4.2 BGR 712010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.01		P	04:32:30.384		2.1		4.93		TAS		24.6	1.70	m_e	mb 4.9
BFO	80.01		L	05:12:29.638						T__		126.9	20.80	a_e	Ms 4.2
BRG	77.45		P	04:32:16.308		2.1		4.93		TAS		20.0	1.92	m_e	mb 4.9
BSEG	74.42		L	05:05:41.643						T__		69.5	18.90	a_e	Ms 4.0
FUR	80.20		L	05:13:31.283						T__		142.5	20.30	a_e	Ms 4.3
GEC2	79.48		P	04:32:27.897		2.1		4.93		TAS		17.4	1.70	m_e	mb 4.8
GRA1	78.67		P	04:32:23.672		2.1		4.93		TAS		41.3	1.67	m_e	mb 5.2
GRA1	78.67		L	05:12:36.685						T__		116.8	20.10	a_e	Ms 4.2
MOX	77.71		P	04:32:17.416		2.1		4.93		TAS		41.1	2.26	m_e	mb 5.2
MOX	77.71		L	05:10:02.861						T__		109.9	20.50	a_e	Ms 4.2
ROTZ	78.58		P	04:32:22.819		2.1		4.93		TAS		4.8	1.70	m_e	mb 4.2
TNS	78.12		L	05:12:41.783						T__		192.0	20.80	a_e	Ms 4.4
WET	79.20		P	04:32:25.686		2.1		4.93		TAS		93.8	3.34	m_e	mb 5.2
WET	79.20		L	05:10:23.789						T__		138.4	20.00	a_e	Ms 4.3

Event 712005 Turkey-Georgia-Armenia border region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/12 05:55:06.84 41.5080 42.1770 33.0 7 21.29 25.04 m i ke BGR
 712011

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 712011
 Ms 2.9 BGR 712011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	23.85		P	06:00:16.504		99.0		10.15		TAS		10.9	1.21	m_e	mb 4.2
BFO	24.77		L	06:12:08.607						T__		62.1	18.00	a_e	Ms 3.1
BRG	21.56		P	05:59:53.391	-0.3	99.0		10.15		TAS		4.7	1.16	m_e	mb 3.8
CLZ	23.96		P	06:00:18.002		99.0		10.15		TAS		12.0	1.01	m_e	mb 4.4
GEC2	21.29		P	05:59:51.733	0.4	99.0		10.15		TAS		13.9	0.96	m_e	mb 4.3
GRA1	23.02		P	06:00:08.836		99.0		10.15		TAS		9.6	1.04	m_e	mb 4.3
GRA1	23.02		L	06:09:49.388						T__		44.2	18.90	a_e	Ms 2.9
GTTG	24.15		P	06:00:19.772		99.0		10.15		TAS		12.7	1.21	m_e	mb 4.3
KAST	25.04		P	06:00:28.210		99.0		10.15		TAS				m_e	
MOX	22.95		L	06:09:22.198						T__		59.3	18.20	a_e	Ms 3.1
RETH	24.78		P	06:00:25.112		99.0		10.15		TAS				m_e	

./bul2007.txt

Tue Feb 22 15:12:57 2022

27

STU	24.23	P	06:00:20.524	99.0	10.15	TAS	49.3	0.94	m_e	mb	5.0
WET	21.87	L	06:09:21.040			T__	23.9	19.70	a_e	Ms	2.6

Event 712006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	07:11:51.40			-16.0530	-173.1740				10.0					145.28	146.26	m i ke	IDCSEL3
OrigID 712044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.1		BGR	712012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	146.26		PKPdf	07:31:34.802		20.5		3.73		TAS				m_e		
GRA1	146.26		L	08:37:48.176						T__		28.7	21.40	a_e	Ms	4.0
MOX	145.28		L	08:38:16.747						T__		34.5	20.30	a_e	Ms	4.1

Event 712007 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	09:32:28.14			41.3830	143.2600				33.0				22	76.82	82.19	m i ke	BGR
OrigID 712013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	712013
Ms	4.6		BGR	712013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	78.19		P	09:44:22.270	0.0	34.5		5.42		TAS		9.6	1.13	m_e	mb	4.8
BFO	82.19		P	09:44:43.952		34.5		5.42		TAS		7.6	0.93	m_e	mb	4.8
BFO	82.19		L	10:21:47.835						T__		157.1	21.50	a_e	Ms	4.3
BRG	78.03		P	09:44:21.430	-0.1	34.5		5.42		TAS		5.7	1.03	m_e	mb	4.6
BSEG	76.82		P	09:44:15.215	0.1	34.5		5.42		TAS		9.9	0.87	m_e	mb	5.0
BSEG	76.82		L	10:20:35.004						T__		208.6	22.00	a_e	Ms	4.4
BUG	79.93		P	09:44:31.937	-0.3	34.5		5.42		TAS		9.2	0.62	m_e	mb	4.9
CLZ	78.53		P	09:44:24.772	-0.0	34.5		5.42		TAS		12.4	0.82	m_e	mb	5.0
FLT1	77.83		P	09:44:20.104	0.3	34.5		5.42		TAS		16.0	0.83	m_e	mb	5.2
FUR	81.25		L	10:23:09.741						T__		229.7	21.20	a_e	Ms	4.5
GEC2	79.76		P	09:44:31.092		34.5		5.42		TAS		2.9	0.76	m_e	mb	4.3
GOR1	77.26		P	09:44:17.578	0.0	34.5		5.42		TAS		43.8	1.62	m_e	mb	5.3
GRA1	80.01		P	09:44:32.887	-0.3	34.5		5.42		TAS		16.9	0.80	m_e	mb	5.0
GRA1	80.01		L	10:23:23.666						T__		362.0	20.20	a_e	Ms	4.7
GTTG	78.92		P	09:44:26.867	-0.1	34.5		5.42		TAS		12.3	0.85	m_e	mb	5.0

IBBN	79.03	P	09:44:27.039	0.3	34.5	5.42	TAS	17.9	0.84	m_e	mb	5.1
KAST	79.74	P	09:44:30.943	-0.3	34.5	5.42	TAS	6.2	0.87	m_e	mb	4.5
MOX	79.08	P	09:44:27.350	0.1	34.5	5.42	TAS	4.3	0.83	m_e	mb	4.5
MOX	79.08	L	10:23:04.669				T__	386.9	18.80	a_e	Ms	4.8
NEUB	78.57	P	09:44:24.601	-0.1	34.5	5.42	TAS	15.6	0.82	m_e	mb	5.1
PLN	79.01	P	09:44:26.947	0.4	34.5	5.42	TAS	1.8	0.82	m_e	mb	4.1
RETH	78.14	P	09:44:22.331	-0.5	34.5	5.42	TAS	11.6	1.02	m_e	mb	5.0
STU	81.51	P	09:44:40.594		34.5	5.42	TAS	30.4	0.70	m_e	mb	5.5
TANN	78.95	P	09:44:26.759	0.4	34.5	5.42	TAS	3.0	0.92	m_e	mb	4.3
TNS	80.56	P	09:44:35.488	0.0	34.5	5.42	TAS	6.3	0.83	m_e	mb	4.7
TNS	80.56	L	10:24:08.489				T__	327.6	19.00	a_e	Ms	4.7
UBBA	79.51	P	09:44:29.450	0.0	34.5	5.42	TAS	3.3	0.95	m_e	mb	4.2
WET	79.83	P	09:44:31.888		34.5	5.42	TAS	10.4	1.00	m_e	mb	4.7
WET	79.83	L	10:23:55.516				T__	338.3	18.00	a_e	Ms	4.7

Event 712008 Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	15:08:58.78			9.9090	-68.5560				33.0			26		72.61	77.66	m i ke	BGR
	712014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	712014
Ms	4.4		BGR	712014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	75.63		P	15:20:40.974	-0.2	268.7		5.71		TAS		99.0	1.87	a_e	mb	5.6
BFO	73.95		P	15:20:30.525		268.7		5.71		TAS		12.9	1.16	m_e	mb	4.8
BFO	73.95		L	16:02:24.494						T__		183.5	20.60	a_e	Ms	4.3
BRG	77.66		P	15:20:51.762	-0.0	268.7		5.71		TAS		19.4	1.10	m_e	mb	5.2
BSEG	75.50		P	15:20:39.657	0.1	268.7		5.71		TAS		11.9	1.03	m_e	mb	5.0
BSEG	75.50		L	15:50:23.908						T__		154.5	21.10	a_e	Ms	4.3
BUG	73.48		P	15:20:28.075	-0.4	268.7		5.71		TAS		41.0	1.19	m_e	mb	5.4
CLZ	75.44		P	15:20:39.441	-0.4	268.7		5.71		TAS		17.9	1.02	m_e	mb	5.0
FLT1	75.99		P	15:20:42.224	0.2	268.7		5.71		TAS		33.6	1.22	a_e	mb	5.3
FUR	75.91		P	15:20:42.429		268.7		5.71		TAS		57.3	1.37	m_e	mb	5.5
FUR	75.91		L	16:04:21.342						T__		158.5	21.50	a_e	Ms	4.3
GEC2	77.52		P	15:20:51.212	0.3	268.7		5.71		TAS		22.9	1.02	m_e	mb	5.2
GOR1	76.05		P	15:20:43.006	-0.1	268.7		5.71		TAS		31.2	1.30	m_e	mb	5.3
GRA1	75.90		P	15:20:42.262	0.1	268.7		5.71		TAS		67.3	1.75	m_e	mb	5.5
GRA1	75.90		L	16:03:37.523						T__		236.7	21.70	a_e	Ms	4.5
GTTG	75.17		P	15:20:38.124	0.1	268.7		5.71		TAS		45.4	1.41	a_e	mb	5.3
IBBN	73.85		P	15:20:30.185	0.0	268.7		5.71		TAS		30.5	1.02	m_e	mb	5.3
KAST	74.18		P	15:20:31.898	0.0	268.7		5.71		TAS		21.9	1.51	m_e	mb	5.0
MOX	76.18		P	15:20:43.334	0.4	268.7		5.71		TAS		31.2	1.88	m_e	mb	5.1
MOX	76.18		L	16:03:17.298						T__		138.0	20.30	a_e	Ms	4.3

NEUB	76.29	P	15:20:44.424	-0.4	268.7	5.71	TAS	29.3	1.04	a_e	mb	5.3
PLN	76.52	P	15:20:45.617	0.1	268.7	5.71	TAS	11.1	1.27	m_e	mb	4.8
RETH	74.86	P	15:20:36.154	-0.3	268.7	5.71	TAS	47.1	1.46	m_e	mb	5.3
RJOB	76.93	P	15:20:47.936		268.7	5.71	TAS	13.9	1.36	m_e	mb	4.9
ROTZ	76.54	P	15:20:45.931	0.1	268.7	5.71	TAS	7.5	1.46	m_e	mb	4.6
STU	74.54	P	15:20:34.432	-0.0	268.7	5.71	TAS	81.8	1.06	m_e	mb	5.7
TANN	76.71	P	15:20:46.881	0.1	268.7	5.71	TAS	30.7	1.21	m_e	mb	5.3
TNS	74.14	P	15:20:32.401	0.1	268.7	5.71	TAS	26.9	1.05	m_e	mb	5.2
TNS	74.14	L	16:02:30.848				T__	285.2	19.80	a_e	Ms	4.6
UBBA	75.16	P	15:20:37.905	0.1	268.7	5.71	TAS	46.9	1.73	m_e	mb	5.2
WET	76.98	P	15:20:48.376	-0.4	268.7	5.71	TAS	16.7	1.20	m_e	mb	5.0
WET	76.98	L	16:04:13.883				T__	251.6	21.70	a_e	Ms	4.5
WLF	72.61	P	15:20:23.424	-0.2	268.7	5.71	TAS	51.2	1.25	a_e	mb	5.5

Event 712010 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	17:53:51.06			7.3440	-33.8870				10.0					54.21	58.66	m i ke	IDCSEL3
OrigID 712048																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	712016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	54.21		L	18:21:22.736						T__		62.0	21.90	a_e		
BRG	58.66		P	18:03:49.512		237.4		6.74		TAS				m_e		
FUR	55.77		L	18:24:38.684						T__		101.9	20.70	a_e		
GEC2	57.50		P	18:03:40.000		237.4		6.74		TAS		6.9	1.71	m_e	mb	4.4
GEC2	57.50		L	18:24:58.896						T__		99.7	22.00	a_e		
GRA1	56.55		P	18:03:35.001		237.4		6.74		TAS		3.8	0.72	m_e	mb	4.5
GRA1	56.55		L	18:22:42.080						T__		62.4	20.40	a_e		
MOX	57.28		P	18:03:38.658		237.4		6.74		TAS		15.9	1.94	m_e	mb	4.7
MOX	57.28		L	18:22:39.137						T__		59.2	20.60	a_e		
PLN	57.49		P	18:03:41.656		237.4		6.74		TAS		2.2	1.33	m_e	mb	4.0
RJOB	56.43		P	18:03:33.623		237.4		6.74		TAS		1.8	0.92	m_e	mb	4.1
TANN	57.61		P	18:03:42.334		237.4		6.74		TAS		5.6	1.15	m_e	mb	4.5
TNS	55.37		L	18:22:27.250						T__		63.5	22.00	a_e		
WET	57.18		P	18:03:39.008		237.4		6.74		TAS		7.7	1.61	m_e	mb	4.5
WET	57.18		L	18:23:06.974						T__		54.2	21.00	a_e		

Event 712011 Fiji Islands region

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

./bul2007.txt

Tue Feb 22 15:12:57 2022

30

2020/07/12 20:02:34.30

-16.8900 -177.1200

10.0

14

142.58 148.33 m i ke EMSC

712043

Magnitude Err Nsta Author OrigID
Ms 4.8 BGR 712017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.33		PKPbc	20:22:21.897		14.6		2.92		TAS				m_e	
BFO	148.33		L	21:28:48.371						T__		268.2	19.40	a_e Ms	5.0
BSEG	142.58		L	21:24:58.329						T__		120.9	21.10	a_e Ms	4.6
BUG	145.35		PKPbc	20:22:13.884	0.5	14.6		2.92		TAS				m_e	
FUR	148.06		L	21:35:14.122						T__		146.9	19.60	a_e Ms	4.8
GEC2	146.93		L	21:25:40.973						T__		166.9	21.40	a_e Ms	4.8
GRA1	146.59		PKPbc	20:22:17.913		14.6		2.92		TAS				m_e	
GRA1	146.59		L	21:29:40.686						T__		202.7	20.50	a_e Ms	4.9
KAST	145.48		PKPbc	20:22:13.884	-0.5	14.6		2.92		TAS				m_e	
MOX	145.60		PKPbc	20:22:14.385		14.6		2.92		TAS				m_e	
MOX	145.60		L	21:26:37.378						T__		183.3	21.40	a_e Ms	4.8
PLN	145.66		PKPbc	20:22:14.218		14.6		2.92		TAS				m_e	
RJOB	148.17		PKPbc	20:22:22.231		14.6		2.92		TAS				m_e	
ROTZ	146.35		PKPbc	20:22:17.056		14.6		2.92		TAS				m_e	
STU	147.79		PKPbc	20:22:21.396		14.6		2.92		TAS				m_e	
TANN	145.68		PKPbc	20:22:15.177		14.6		2.92		TAS				m_e	
TNS	146.45		PKPbc	20:22:17.557		14.6		2.92		TAS				m_e	
TNS	146.45		L	21:33:27.252						T__		205.2	20.10	a_e Ms	4.9
UBBA	145.68		PKPbc	20:22:14.552		14.6		2.92		TAS				m_e	
WET	146.82		PKPbc	20:22:18.591		14.6		2.92		TAS				m_e	
WET	146.82		L	21:34:09.962						T__		214.0	19.90	a_e Ms	4.9
WLF	147.20		PKPbc	20:22:18.892		14.6		2.92		TAS				m_e	

Event 712012 Nicaragua

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/12	22:38:29.91		12.0940	-85.3370					171.4	1.1		23		81.85	86.86	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 712018
Ms 4.2 BGR 712018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.22		P	22:50:57.761	-0.5	282.8		5.01		TAS		11.8	1.13	m_e mb	5.0
BFO	83.49		P	22:50:53.823	-0.2	282.8		5.01		TAS		11.8	1.12	m_e mb	5.0
BFO	83.49		L	23:20:14.765						T__		111.9	21.20	a_e Ms	4.2
BRG	86.50		P	22:51:08.924		282.8		5.01		TAS		14.9	1.48	m_e mb	4.9
BSEG	83.63		P	22:50:54.535	0.2	282.8		5.01		TAS		6.2	1.15	m_e mb	4.7

BSEG	83.63	L	23:25:26.541						T__	56.4	18.80	a_e	Ms	4.0
BUG	82.27	P	22:50:47.737	0.3	282.8		5.01		TAS	15.7	0.87	m_e	mb	5.2
CLZ	84.09	P	22:50:57.349	0.0	282.8		5.01		TAS	16.2	0.88	m_e	mb	5.3
FLT1	84.51	P	22:50:58.736	0.1	282.8		5.01		TAS	13.8	1.08	m_e	mb	5.1
FUR	85.46	L	23:21:25.212						T__	110.5	21.70	a_e	Ms	4.2
GEC2	86.86	P	22:51:10.751		282.8		5.01		TAS	21.6	1.60	m_e	mb	5.0
GEC2	86.86	pP	22:51:53.424						T__			m_e		
GRA1	85.08	P	22:51:02.295	0.0	282.8		5.01		TAS	19.8	1.18	m_e	mb	5.2
GRA1	85.08	L	23:27:20.109						T__	96.3	20.90	a_e	Ms	4.2
GTTG	83.91	P	22:50:56.414	-0.0	282.8		5.01		TAS	17.8	0.97	m_e	mb	5.3
IBBN	82.42	P	22:50:49.066	-0.3	282.8		5.01		TAS	14.6	0.82	m_e	mb	5.2
KAST	83.02	P	22:50:51.437	0.2	282.8		5.01		TAS	5.0	0.82	m_e	mb	4.8
MOX	85.12	P	22:51:02.304	0.3	282.8		5.01		TAS	14.1	1.17	m_e	mb	5.1
MOX	85.12	L	23:23:30.502						T__	87.5	20.70	a_e	Ms	4.1
PLN	85.49	P	22:51:04.152	-0.2	282.8		5.01		TAS	5.4	0.89	m_e	mb	4.8
RETH	83.31	P	22:50:53.290	-0.3	282.8		5.01		TAS	14.4	1.05	m_e	mb	5.1
RJOB	86.55	P	22:51:09.269		282.8		5.01		TAS	6.3	1.19	m_e	mb	4.6
ROTZ	85.69	P	22:51:05.381	-0.2	282.8		5.01		TAS	3.4	1.27	m_e	mb	4.3
STU	83.97	P	22:50:56.532	-0.2	282.8		5.01		TAS	37.6	1.26	m_e	mb	5.5
TANN	85.69	P	22:51:05.469		282.8		5.01		TAS	17.8	1.02	m_e	mb	5.1
TNS	83.22	P	22:50:52.980	0.1	282.8		5.01		TAS	12.1	0.87	m_e	mb	5.1
TNS	83.22	L	23:22:30.496						T__	79.2	20.30	a_e	Ms	4.1
UBBA	84.08	P	22:50:56.817	0.2	282.8		5.01		TAS	4.0	0.94	m_e	mb	4.6
WET	86.26	P	22:51:08.286		282.8		5.01		TAS	21.5	1.27	m_e	mb	5.1
WET	86.26	pP	22:51:50.468						T__			m_e		
WET	86.26	L	23:22:49.508						T__	124.3	20.90	a_e	Ms	4.3
WLF	81.85	P	22:50:46.005	0.1	282.8		5.01		TAS	26.6	1.03	m_e	mb	5.3

Event 713006 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/13	00:58:41.94		4.3520	94.6410				33.0				27		80.77	85.73	m i ke	BGR
	713012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	713012
Ms	4.0		BGR	713012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	82.88		P	01:11:02.729	0.1	92.2		5.21		TAS		22.5	1.09	m_e	mb	5.3
BFO	84.32		P	01:11:10.189	-0.5	92.2		5.21		TAS		10.6	0.80	m_e	mb	5.1
BFO	84.32		L	01:51:18.884						T__		57.5	21.90	a_e	Ms	3.9
BRG	80.77		P	01:10:52.049	0.1	92.2		5.21		TAS		19.7	0.97	m_e	mb	5.1
BSEG	83.16		P	01:11:04.718	0.1	92.2		5.21		TAS		23.6	0.89	m_e	mb	5.4
BSEG	83.16		L	01:50:48.784						T__		34.8	18.00	a_e	Ms	3.8
BUG	84.99		P	01:11:13.914	-0.0	92.2		5.21		TAS		26.8	0.95	m_e	mb	5.5

CLZ	83.06	P	01:11:04.089	-0.1	92.2	5.21	TAS	23.2	0.94	m_e	mb	5.4
FLT1	82.54	P	01:11:00.449	0.2	92.2	5.21	TAS	13.0	1.05	m_e	mb	5.1
FUR	82.35	P	01:11:00.176		92.2	5.21	TAS	11.0	0.88	m_e	mb	5.0
FUR	82.35	L	01:49:29.614				T__	93.3	21.80	a_e	Ms	4.1
GEC2	80.77	P	01:10:52.299	-0.4	92.2	5.21	TAS	31.8	0.95	m_e	mb	5.3
GEC2	80.77	L	01:50:17.367				T__	102.3	20.50	a_e	Ms	4.2
GOR1	82.53	P	01:11:01.012	-0.1	92.2	5.21	TAS	42.6	1.32	m_e	mb	5.5
GRA1	82.44	P	01:11:01.277	0.2	92.2	5.21	TAS	24.0	0.88	m_e	mb	5.3
GRA1	82.44	L	01:49:34.596				T__	68.4	21.70	a_e	Ms	4.0
GTTG	83.30	P	01:11:05.300	0.0	92.2	5.21	TAS	31.9	1.17	m_e	mb	5.4
IBBN	84.68	P	01:11:12.410	-0.3	92.2	5.21	TAS	33.8	1.06	m_e	mb	5.5
KAST	84.27	P	01:11:10.269	0.0	92.2	5.21	TAS	12.8	1.05	m_e	mb	5.1
MOX	82.23	P	01:10:59.699	-0.0	92.2	5.21	TAS	9.5	0.80	a_e	mb	5.0
MOX	82.23	L	01:49:49.784				T__	52.4	20.70	a_e	Ms	3.9
NEUB	82.16	P	01:10:59.225	-0.2	92.2	5.21	TAS	22.3	0.88	m_e	mb	5.3
PLN	81.88	P	01:10:57.799	0.2	92.2	5.21	TAS	4.5	0.93	a_e	mb	4.6
RETH	83.70	P	01:11:07.307	0.1	92.2	5.21	TAS	93.9	1.96	m_e	mb	5.7
RJOB	81.31	P	01:10:54.366		92.2	5.21	TAS	7.7	1.00	m_e	mb	4.7
ROTZ	81.81	P	01:10:57.945	0.5	92.2	5.21	TAS	4.1	0.86	m_e	mb	4.6
RUE	81.00	P	01:10:53.071	-0.8	92.2	5.21	TAS	68.0	0.85	m_e	mb	5.7
STU	83.75	P	01:11:07.500	-0.1	92.2	5.21	TAS	16.8	0.70	m_e	mb	5.4
TANN	81.68	P	01:10:56.768	0.5	92.2	5.21	TAS	21.5	1.41	m_e	mb	5.1
TNS	84.24	P	01:11:10.352	0.2	92.2	5.21	TAS	13.6	0.79	m_e	mb	5.2
TNS	84.24	L	01:50:02.051				T__	53.6	22.00	a_e	Ms	3.9
UBBA	83.26	P	01:11:04.817	0.0	92.2	5.21	TAS	3.0	0.68	m_e	mb	4.7
WET	81.33	P	01:10:55.199	-0.1	92.2	5.21	TAS	25.6	1.12	m_e	mb	5.2
WET	81.33	L	01:49:14.301				T__	83.0	19.30	a_e	Ms	4.1
WLF	85.73	P	01:11:18.114	0.2	92.2	5.21	TAS	13.1	1.00	m_e	mb	5.0

Event 713005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/13	01:42:52.08			41.9250	143.1550				33.0			24		76.30	81.68	m i ke	BGR
	713011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	713011
Ms	4.4		BGR	713011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	77.68		P	01:54:43.378	-0.0	34.3		5.46		TAS		8.0	0.86	m_e	mb	4.9
BFO	81.68		P	01:55:04.857		34.3		5.46		TAS		9.3	0.92	m_e	mb	4.9
BFO	81.68		L	02:34:18.249						T__		143.6	21.30	a_e	Ms	4.3
BRG	77.52		P	01:54:42.369	-0.1	34.3		5.46		TAS		13.0	1.05	m_e	mb	5.0
BSEG	76.30		P	01:54:36.122	0.0	34.3		5.46		TAS		14.5	0.90	m_e	mb	5.1
BSEG	76.30		L	02:30:49.063						T__		252.7	21.40	a_e	Ms	4.5

BUG	79.41	P	01:54:52.875	-0.3	34.3	5.46	TAS	27.4	1.08	m_e	mb	5.2
CLZ	78.02	P	01:54:45.815	0.1	34.3	5.46	TAS	19.4	0.81	m_e	mb	5.3
FLT1	77.31	P	01:54:40.999	0.1	34.3	5.46	TAS	19.6	0.75	m_e	mb	5.3
FUR	80.74	P	01:55:00.389		34.3	5.46	TAS	31.3	0.75	m_e	mb	5.4
FUR	80.74	L	02:33:34.610				T__	197.4	21.00	a_e	Ms	4.4
GEC2	79.25	P	01:54:51.914		34.3	5.46	TAS	7.0	0.69	m_e	mb	4.8
GEC2	79.25	L	02:33:33.471				T__	129.5	20.30	a_e	Ms	4.3
GOR1	76.75	P	01:54:38.596	0.2	34.3	5.46	TAS	38.5	1.22	m_e	mb	5.4
GRA1	79.50	P	01:54:54.051	0.1	34.3	5.46	TAS	32.7	0.85	m_e	mb	5.4
GRA1	79.50	L	02:33:17.404				T__	263.2	20.40	a_e	Ms	4.6
GTTG	78.41	P	01:54:47.580	-0.1	34.3	5.46	TAS	19.9	0.89	m_e	mb	5.2
IBBN	78.51	P	01:54:48.196	0.4	34.3	5.46	TAS	19.1	0.72	m_e	mb	5.2
KAST	79.23	P	01:54:52.034	-0.3	34.3	5.46	TAS	5.5	0.66	m_e	mb	4.7
MOX	78.57	P	01:54:48.364	-0.1	34.3	5.46	TAS	12.0	1.03	m_e	mb	4.9
MOX	78.57	L	02:31:43.078				T__	241.3	21.70	a_e	Ms	4.5
NEUB	78.06	P	01:54:45.479	-0.0	34.3	5.46	TAS	23.9	0.80	m_e	mb	5.4
PLN	78.50	P	01:54:47.923	0.2	34.3	5.46	TAS	2.6	0.91	m_e	mb	4.3
RETH	77.62	P	01:54:43.130	-0.5	34.3	5.46	TAS	14.1	0.97	m_e	mb	5.1
RJOB	80.51	P	01:54:59.335		34.3	5.46	TAS	12.2	0.77	m_e	mb	5.0
ROTZ	79.07	P	01:54:51.407	-0.2	34.3	5.46	TAS	2.2	0.85	m_e	mb	4.2
TANN	78.45	P	01:54:47.468	0.6	34.3	5.46	TAS	3.5	0.75	m_e	mb	4.6
TNS	80.04	P	01:54:56.284	0.3	34.3	5.46	TAS	7.2	0.75	m_e	mb	4.7
TNS	80.04	L	02:34:42.126				T__	251.4	18.90	a_e	Ms	4.6
UBBA	79.00	P	01:54:50.409	-0.3	34.3	5.46	TAS	3.9	0.76	m_e	mb	4.5
WET	79.33	P	01:54:52.811	0.3	34.3	5.46	TAS	17.7	0.94	m_e	mb	5.1
WET	79.33	L	02:34:51.179				T__	172.5	20.90	a_e	Ms	4.4

Event 713007 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/13	01:48:51.80			34.1300	25.5400				10.0				5	16.63	22.53	m i ke	NEIC
	713046																

Magnitude	Err	Nsta	Author	OrigID
mb	4.0		BGR	713013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	22.53		P	01:53:50.270		140.5		11.21		TAS				m_e		
CLZ	20.82		P	01:53:32.640		140.5		11.21		TAS				m_e		
FLT1	20.90		P	01:53:32.714		140.5		11.21		TAS				m_e		
FUR	17.62		P	01:52:58.566		140.5		11.21		TAS		56.4	1.24	m_e	mb	4.6
FUR	17.62		L	02:01:13.598						T__		165.5	18.70	a_e		
GEC2	17.14		P	01:52:54.055		140.5		11.21		TAS		15.9	1.75	m_e	mb	3.9
GRA1	18.80		P	01:53:11.325		140.5		11.21		TAS		39.8	1.48	m_e	mb	4.4
GRA1	18.80		L	02:00:23.611						T__		142.5	19.40	a_e		
GTTG	20.74		P	01:53:32.493		140.5		11.21		TAS		55.6	1.08	m_e	mb	4.8

KAST	21.12	P	01:53:36.693	140.5	11.21	TAS												m_e
MOX	19.39	P	01:53:19.000	140.5	11.21	TAS					4.0	0.76	m_e mb					3.7
MOX	19.39	L	02:02:14.871			T__					190.5	18.30	a_e					
RETH	21.91	P	01:53:45.203	0.2 140.5	11.21	TAS												m_e
RJOB	16.63	P	01:52:49.413	140.5	11.21	TAS					7.7	1.35	m_e mb					3.7
ROTZ	18.46	P	01:53:07.294	140.5	11.21	TAS					1.1	1.13	m_e mb					2.9
RUE	20.19	P	01:58:55.240	140.5	11.21	TAS												m_e
TANN	18.89	P	01:53:12.031	140.5	11.21	TAS					5.1	0.85	m_e mb					3.8
TNS	20.39	P	01:53:31.711	140.5	11.21	TAS					49.6	1.62	m_e mb					4.5
UBBA	20.17	P	01:53:25.094	140.5	11.21	TAS					17.3	1.51	m_e mb					4.1
WET	17.70	P	01:52:59.855	140.5	11.21	TAS					27.4	1.52	m_e mb					4.2
WLF	21.10	P	01:53:36.945	140.5	11.21	TAS												m_e

Event 713004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/13	22:14:48.80			-17.2700	167.8000				10.0					139.45	144.77	m i ke	EMSC
	713036																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	713010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	144.77		L	23:43:56.199						T__		82.3	19.90	a_e Ms	4.5
BSEG	139.45		L	23:35:23.810						T__		63.9	22.00	a_e Ms	4.3
FUR	143.70		L	23:40:39.260						T__		81.9	21.10	a_e Ms	4.5
GRA1	142.54		PKP	22:34:29.526		38.6		3.07		TAS				m_e	
GRA1	142.54		L	23:36:16.714						T__		77.6	19.80	a_e Ms	4.5
MOX	141.63		L	23:36:12.680						T__		76.6	21.40	a_e Ms	4.4
TNS	143.18		L	23:33:24.516						T__		87.8	22.00	a_e Ms	4.5
WET	142.26		L	23:36:57.246						T__		116.8	21.40	a_e Ms	4.6

Event 714004 Balleny Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/14	01:42:04.80			-62.1700	165.2200				10.0					159.87	162.95	m i ke	EMSC
	714036																

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FLT1	162.94		PKPab	02:02:57.718		140.8		5.23		TAS				m_e	
GRA1	160.98		PKPab	02:02:47.073		140.8		5.23		TAS				m_e	

GRA1	160.98	L	03:19:10.302						T__	143.7	21.80	a_e
MOX	161.55	PKPab	02:02:49.422	140.8	5.23				TAS			m_e
MOX	161.55	L	03:21:04.923						T__	178.0	20.60	a_e
WET	159.87	PKPab	02:02:43.364	140.8	5.23				TAS			m_e
WLF	162.95	PKPab	02:02:56.423	140.8	5.23				TAS			m_e

Event 714005 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/14	07:34:15.67			36.0270	71.9740				33.0			19		43.53	48.64	m i ke	BGR
	714011																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	714011
Ms	3.3		BGR	714011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	43.53		P	07:42:14.574	-0.3	83.6		7.93		TAS		20.8	0.97	m_e mb	4.8
BSEG	45.59		P	07:42:30.931	0.2	83.6		7.93		TAS		7.8	0.80	m_e mb	4.8
CLZ	45.70		P	07:42:31.901	-0.5	83.6		7.93		TAS		31.6	1.38	m_e mb	5.2
FLT1	45.13		P	07:42:26.635	-0.5	83.6		7.93		TAS		32.0	0.92	m_e mb	5.2
GEC2	43.84		P	07:42:16.952		83.6		7.93		TAS		7.9	1.23	m_e mb	4.3
GOR1	45.05		P	07:42:26.498	-0.0	83.6		7.93		TAS		40.0	1.18	m_e mb	5.2
GRA1	45.37		P	07:42:30.129		83.6		7.93		TAS		66.8	1.66	m_e mb	5.3
GRA1	45.37		L	07:58:49.034						T__		39.9	21.10	a_e Ms	3.3
GTTG	45.98		P	07:42:34.145	-0.1	83.6		7.93		TAS		30.1	0.98	m_e mb	5.3
IBBN	47.26		P	07:42:43.874	0.1	83.6		7.93		TAS		28.3	1.07	a_e mb	5.3
MOX	45.02		P	07:42:26.574	-0.5	83.6		7.93		TAS		15.6	1.15	a_e mb	4.8
MOX	45.02		L	08:04:59.129						T__		30.0	21.00	a_e Ms	3.2
NEUB	44.88		P	07:42:24.970	0.0	83.6		7.93		TAS		23.5	0.87	m_e mb	5.1
PLN	44.69		P	07:42:23.745	-0.4	83.6		7.93		TAS		5.6	1.24	m_e mb	4.4
RETH	46.24		P	07:42:35.908	-0.5	83.6		7.93		TAS		12.2	1.12	m_e mb	4.8
RJOB	44.57		P	07:42:24.413		83.6		7.93		TAS		5.2	0.77	m_e mb	4.5
ROTZ	44.73		P	07:42:24.438		83.6		7.93		TAS		7.3	1.52	m_e mb	4.4
TANN	44.51		P	07:42:22.304	1.5	83.6		7.93		TAS		27.8	1.46	m_e mb	5.0
UBBA	46.03		P	07:42:34.124	0.6	83.6		7.93		TAS		19.5	1.49	a_e mb	4.9
WET	44.36		P	07:42:20.941		83.6		7.93		TAS		28.7	2.14	m_e mb	4.6
WLF	48.64		P	07:42:55.040		83.6		7.93		TAS		29.9	1.04	m_e mb	5.3

Event 714006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/14	13:21:05.79			44.2120	146.6510				33.0			23		75.36	80.85	m i ke	BGR

714012

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	714012
Ms	3.9		BGR	714012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	76.80		P	13:32:52.233	0.2	30.9		5.52		TAS		22.5	1.11	m_e	mb	5.2
BFO	80.85		P	13:33:14.112		30.9		5.52		TAS		11.2	0.91	m_e	mb	4.9
BFO	80.85		L	14:09:53.799						T__		48.8	21.80	a_e	Ms	3.8
BRG	76.79		P	13:32:52.131	-0.1	30.9		5.52		TAS		13.0	0.97	m_e	mb	5.0
BSEG	75.36		P	13:32:44.267	0.0	30.9		5.52		TAS		15.4	0.94	m_e	mb	5.0
BSEG	75.36		L	14:08:41.403						T__		48.4	21.70	a_e	Ms	3.8
BUG	78.44		P	13:33:01.444	-0.3	30.9		5.52		TAS		35.3	1.09	m_e	mb	5.4
CLZ	77.14		P	13:32:54.616	0.1	30.9		5.52		TAS		45.3	1.06	m_e	mb	5.5
FLT1	76.45		P	13:32:49.932	0.4	30.9		5.52		TAS		44.4	0.99	m_e	mb	5.5
FUR	80.01		L	14:06:46.838						T__		70.0	21.70	a_e	Ms	4.0
GEC2	78.58		P	13:33:02.098		30.9		5.52		TAS		11.4	1.07	m_e	mb	4.8
GEC2	78.58		L	14:06:53.499						T__		43.6	20.40	a_e	Ms	3.8
GOR1	75.86		P	13:32:47.463	-0.2	30.9		5.52		TAS		63.3	1.26	m_e	mb	5.6
GRA1	78.71		P	13:33:03.407	-0.6	30.9		5.52		TAS		32.0	0.86	m_e	mb	5.4
GRA1	78.71		L	14:11:44.212						T__		81.2	18.60	a_e	Ms	4.1
GTTG	77.52		P	13:32:56.518	0.0	30.9		5.52		TAS		31.5	0.97	m_e	mb	5.4
IBBN	77.54		P	13:32:56.267	-0.1	30.9		5.52		TAS		40.5	0.95	m_e	mb	5.5
KAST	78.31		P	13:33:00.633	-0.2	30.9		5.52		TAS		21.7	1.04	m_e	mb	5.2
MOX	77.77		P	13:32:57.626	-0.1	30.9		5.52		TAS		29.2	1.30	m_e	mb	5.2
MOX	77.77		L	14:06:26.671						T__		52.8	21.20	a_e	Ms	3.8
NEUB	77.24		P	13:32:54.517	0.2	30.9		5.52		TAS		55.1	1.14	a_e	mb	5.6
PLN	77.72		P	13:32:57.382	0.1	30.9		5.52		TAS		12.7	1.55	m_e	mb	4.8
RETH	76.68		P	13:32:51.683	-0.1	30.9		5.52		TAS		38.0	1.12	m_e	mb	5.4
ROTZ	78.32		P	13:33:01.160	0.3	30.9		5.52		TAS		5.5	1.31	m_e	mb	4.5
RUE	75.49		P	13:32:45.005	-0.5	30.9		5.52		TAS		33.9	0.98	m_e	mb	5.3
TANN	77.68		P	13:32:57.167	0.4	30.9		5.52		TAS		48.8	2.09	m_e	mb	5.3
TNS	79.15		P	13:33:05.467	0.5	30.9		5.52		TAS		16.6	0.90	m_e	mb	5.1
TNS	79.15		L	14:10:24.635						T__		80.5	21.50	a_e	Ms	4.0
UBBA	78.14		P	13:32:59.953	-0.1	30.9		5.52		TAS		7.7	0.88	m_e	mb	4.8
WET	78.62		P	13:33:02.729		30.9		5.52		TAS		22.2	1.07	m_e	mb	5.1
WET	78.62		L	14:11:17.880						T__		74.6	20.30	a_e	Ms	4.0

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
714007 Flores Sea	2020/07/14	23:33:58.50			-7.2000	120.4800				592.0					107.47	107.89	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Ms 4.5 BGR 714013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	107.89		PP	23:51:48.687						T__				m_e	
GRA1	107.89		L	00:38:08.592						T__		202.2	21.50	a_e Ms	4.7
MOX	107.47		L	00:41:36.762						T__		119.0	20.50	a_e Ms	4.4

Event 715004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/15	03:51:41.20			-26.6600	178.4300				623.0			7		151.37	157.03	m i ke	EMSC
	715036																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	152.94		PKPdf	04:10:21.303		30.5		1.40		TAS				m_e	
ASSE	152.94		PKPbc	04:10:29.626		27.9		2.14		TAS				m_e	
ASSE	152.94		PKPab	04:10:43.988		25.4		4.31		TAS				m_e	
BFO	157.03		PKPab	04:11:01.552		25.4		4.31		TAS				m_e	
BRG	153.08		PKPdf	04:10:21.832		30.5		1.40		TAS				m_e	
BRG	153.08		PKPbc	04:10:30.061		27.9		2.14		TAS				m_e	
BRG	153.08		PKPab	04:10:44.758		25.4		4.31		TAS				m_e	
BSEG	151.37		PKPbc	04:10:26.343	-0.1	27.9		2.14		TAS				m_e	
BSEG	151.37		PKPab	04:10:37.394		25.4		4.31		TAS				m_e	
CLZ	153.28		PKPdf	04:10:22.074		30.5		1.40		TAS				m_e	
CLZ	153.28		PKPbc	04:10:30.659		27.9		2.14		TAS				m_e	
CLZ	153.28		PKPab	04:10:45.652		25.4		4.31		TAS				m_e	
FLT1	152.61		PKPdf	04:10:20.969		30.5		1.40		TAS				m_e	
FLT1	152.61		PKPbc	04:10:28.781	-0.1	27.9		2.14		TAS				m_e	
FLT1	152.61		PKPab	04:10:42.078		25.4		4.31		TAS				m_e	
FUR	156.30		PKPdf	04:10:26.376		30.5		1.40		TAS				m_e	
FUR	156.30		PKPab	04:10:58.792		25.4		4.31		TAS				m_e	
GEC2	154.87		PKPdf	04:10:24.042		30.5		1.40		TAS				m_e	
GEC2	154.87		PKPbc	04:10:33.767		27.9		2.14		TAS				m_e	
GEC2	154.87		PKPab	04:10:52.288		25.4		4.31		TAS				m_e	
GOR1	151.99		PKPdf	04:10:20.499		30.5		1.40		TAS				m_e	
GOR1	151.99		PKPbc	04:10:27.810	-0.0	27.9		2.14		TAS				m_e	
GOR1	151.99		PKPab	04:10:39.530		25.4		4.31		TAS				m_e	
GRA1	154.97		PKPab	04:10:53.197		25.4		4.31		TAS				m_e	
GTTG	153.65		PKPbc	04:10:31.271	-0.1	27.9		2.14		TAS				m_e	
GTTG	153.65		PKPab	04:10:47.245		25.4		4.31		TAS				m_e	
IBBN	153.44		PKPdf	04:10:22.778		30.5		1.40		TAS				m_e	
IBBN	153.44		PKPab	04:10:46.149		25.4		4.31		TAS				m_e	
KAST	154.34		PKPdf	04:10:23.691		30.5		1.40		TAS				m_e	
KAST	154.34		PKPbc	04:10:32.574		27.9		2.14		TAS				m_e	

KAST	154.34	PKPab	04:10:49.651	25.4	4.31	TAS	m_e
MOX	154.01	PKPdf	04:10:23.102	30.5	1.40	TAS	m_e
MOX	154.01	PKPbc	04:10:31.789	27.9	2.14	TAS	m_e
MOX	154.01	PKPab	04:10:48.692	25.4	4.31	TAS	m_e
NEUB	153.48	PKPdf	04:10:22.704	30.5	1.40	TAS	m_e
NEUB	153.48	PKPbc	04:10:30.910	27.9	2.14	TAS	m_e
NEUB	153.48	PKPab	04:10:46.394	25.4	4.31	TAS	m_e
PLN	153.99	PKPdf	04:10:23.144	30.5	1.40	TAS	m_e
PLN	153.99	PKPbc	04:10:31.913	27.9	2.14	TAS	m_e
PLN	153.99	PKPab	04:10:48.691	25.4	4.31	TAS	m_e
RETH	152.69	PKPdf	04:10:21.408	30.5	1.40	TAS	m_e
RETH	152.69	PKPbc	04:10:29.089	-0.0 27.9	2.14	TAS	m_e
RETH	152.69	PKPab	04:10:42.712	25.4	4.31	TAS	m_e
RJOB	156.13	PKPab	04:10:58.342	25.4	4.31	TAS	m_e
ROTZ	154.60	PKPdf	04:10:23.772	30.5	1.40	TAS	m_e
ROTZ	154.60	PKPbc	04:10:33.050	27.9	2.14	TAS	m_e
ROTZ	154.60	PKPab	04:10:51.396	25.4	4.31	TAS	m_e
RUE	151.75	PKPbc	04:10:27.239	-0.1 27.9	2.14	TAS	m_e
RUE	151.75	PKPab	04:10:39.035	25.4	4.31	TAS	m_e
STU	156.39	PKPab	04:10:58.772	25.4	4.31	TAS	m_e
TANN	153.95	PKPdf	04:10:22.937	30.5	1.40	TAS	m_e
TANN	153.95	PKPbc	04:10:31.912	27.9	2.14	TAS	m_e
TANN	153.95	PKPab	04:10:48.538	25.4	4.31	TAS	m_e
TNS	155.25	PKPbc	04:10:34.543	27.9	2.14	TAS	m_e
TNS	155.25	PKPab	04:10:53.955	25.4	4.31	TAS	m_e
UBBA	154.31	PKPab	04:10:49.497	25.4	4.31	TAS	m_e
WET	154.91	PKPdf	04:10:23.863	30.5	1.40	TAS	m_e
WET	154.91	PKPab	04:10:52.839	25.4	4.31	TAS	m_e
WLF	156.27	PKPdf	04:10:26.591	30.5	1.40	TAS	m_e
WLF	156.27	PKPbc	04:10:37.323	27.9	2.14	TAS	m_e
WLF	156.27	PKPab	04:10:58.449	25.4	4.31	TAS	m_e

Event 715005 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/15	09:00:05.54			52.5670	-177.9560				33.0			17		73.64	79.65	m i ke	BGR
	715011																

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	715011
Ms	4.5		BGR	715011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.34		P	09:12:06.311		5.7		5.59		TAS		2.7	0.78	m_e	mb 4.3
BFO	79.34		L	09:53:05.694						T__		183.2	18.60	a_e	Ms 4.5
BRG	76.45		P	09:11:49.824	0.5	5.7		5.59		TAS		6.1	0.99	m_e	mb 4.7

BSEG	73.64	L	09:48:33.687						T__	231.7	19.90	a_e	Ms	4.5
CLZ	75.73	P	09:11:45.352	0.1	5.7	5.59			TAS	14.3	0.97	m_e	mb	5.1
FLT1	75.19	P	09:11:42.438	0.1	5.7	5.59			TAS	13.8	1.15	m_e	mb	4.9
FUR	79.34	L	09:50:52.818						T__	243.2	21.60	a_e	Ms	4.5
GEC2	78.48	P	09:12:01.338		5.7	5.59			TAS	2.9	0.84	m_e	mb	4.4
GOR1	74.53	P	09:11:39.418	-0.1	5.7	5.59			TAS	17.6	1.11	m_e	mb	5.0
GRA1	77.82	P	09:11:57.973		5.7	5.59			TAS	14.5	0.96	m_e	mb	5.1
GRA1	77.82	L	09:52:07.980						T__	236.2	19.70	a_e	Ms	4.5
IBBN	75.39	P	09:11:43.809	0.2	5.7	5.59			TAS	18.6	0.98	m_e	mb	5.1
MOX	76.85	P	09:11:52.308	-1.3	5.7	5.59			TAS	6.8	0.93	m_e	mb	4.8
MOX	76.85	L	09:51:28.885						T__	295.0	21.10	a_e	Ms	4.6
PLN	76.97	P	09:11:52.638		5.7	5.59			TAS	1.2	0.87	m_e	mb	4.0
RETH	74.89	P	09:11:40.895	0.0	5.7	5.59			TAS	22.5	1.54	m_e	mb	5.0
RJOB	79.65	P	09:12:06.516		5.7	5.59			TAS	2.8	0.76	m_e	mb	4.3
ROTZ	77.68	P	09:11:57.209		5.7	5.59			TAS	1.0	1.10	m_e	mb	3.9
TANN	77.02	P	09:11:53.152		5.7	5.59			TAS	3.5	0.97	m_e	mb	4.5
TNS	77.44	P	09:11:55.295		5.7	5.59			TAS	6.9	0.86	m_e	mb	4.8
TNS	77.44	L	09:51:50.177						T__	198.6	20.00	a_e	Ms	4.4
UBBA	76.77	P	09:11:51.708	0.3	5.7	5.59			TAS	8.9	1.28	m_e	mb	4.7
WET	78.25	P	09:12:00.438		5.7	5.59			TAS	3.2	0.95	m_e	mb	4.4
WET	78.25	L	09:51:36.076						T__	354.1	20.90	a_e	Ms	4.7

Event 715006 Panama
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/15 21:39:53.40 8.7220 -80.6750 33.0 28 81.37 86.37 m i ke BGR
 715012

Magnitude Err Nsta Author OrigID
 mb 5.8 BGR 715012
 MBB 6.1 BGR 715012
 Ms 5.5 BGR 715012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.02		P	21:52:20.516	0.2	277.1		5.04		TAS		163.9	1.58	m_e	mb 6.0
BFO	82.90		P	21:52:14.185	0.2	277.1		5.04		TAS		35.0	1.14	m_e	MBB 6.0
BFO	82.90		L	22:26:32.520						T__		2596.6	19.60	a_e	Ms 5.6
BRG	86.21		P	21:52:31.268	0.1	277.1		5.04		TAS		102.5	1.58	a_e	mb 5.7
BSEG	83.61		P	21:52:18.218	0.1	277.1		5.04		TAS		67.9	1.64	a_e	mb 5.6
BSEG	83.61		L	22:25:09.928						T__		970.9	21.50	a_e	Ms 5.2
BUG	81.97		P	21:52:09.818	-0.1	277.1		5.04		TAS		132.2	1.64	a_e	mb 5.8
CLZ	83.86		P	21:52:19.818	0.1	277.1		5.04		TAS		74.0	1.15	m_e	mb 5.8
FLT1	84.34		P	21:52:21.518	0.3	277.1		5.04		TAS		144.7	1.62	a_e	mb 6.0
FUR	84.87		P	21:52:25.083	0.0	277.1		5.04		TAS		118.6	1.48	m_e	mb 5.9
FUR	84.87		L	22:29:50.869						T__		2488.9	18.40	a_e	Ms 5.6
GEC2	86.37		P	21:52:31.933	-0.1	277.1		5.04		TAS		87.8	1.59	m_e	MBB 6.0

GEC2	86.37	L	22:29:49.327							T__	2181.1	19.50	a_e	Ms	5.6
GOR1	84.30	P	21:52:21.447	0.3	277.1			5.04		TAS	109.0	1.63	m_e	mb	5.8
GRA1	84.65	P	21:52:23.768	0.2	277.1			5.04		TAS	82.8	1.22	a_e	MBB	6.1
GRA1	84.65	L	22:24:27.192							T__	3210.6	21.90	a_e	Ms	5.7
GTTG	83.64	P	21:52:18.568	-0.2	277.1			5.04		TAS	101.8	1.50	a_e	mb	5.8
IBBN	82.21	P	21:52:11.068	-0.4	277.1			5.04		TAS	141.9	1.63	a_e	mb	5.8
KAST	82.71	P	21:52:13.471	0.0	277.1			5.04		TAS	70.6	1.54	m_e	mb	5.7
MOX	84.78	P	21:52:24.168	-0.0	277.1			5.04		TAS	90.3	1.62	a_e	mb	5.8
MOX	84.78	L	22:26:37.304							T__	2470.8	19.80	a_e	Ms	5.6
NEUB	84.81	P	21:52:24.368	-0.1	277.1			5.04		TAS	178.8	1.72	m_e	mb	6.0
PLN	85.14	P	21:52:26.018	0.1	277.1			5.04		TAS	23.2	1.22	a_e	mb	5.3
RETH	83.15	P	21:52:16.247	-0.5	277.1			5.04		TAS	153.6	1.57	m_e	mb	6.0
RGN	85.28	P	21:52:26.803	-0.0	277.1			5.04		TAS	133.7	1.14	m_e	mb	6.1
RJOB	85.94	P	21:52:29.937		277.1			5.04		TAS	57.6	1.60	m_e	mb	5.5
ROTZ	85.27	P	21:52:26.968	0.1	277.1			5.04		TAS	22.3	1.64	a_e	mb	5.1
RUE	85.86	P	21:52:29.051	-0.2	277.1			5.04		TAS	123.0	1.62	m_e	mb	5.8
STU	83.43	P	21:52:17.406	-0.5	277.1			5.04		TAS	122.7	0.93	m_e	mb	6.1
TANN	85.34	P	21:52:27.168	0.1	277.1			5.04		TAS	129.9	1.59	a_e	mb	5.9
TNS	82.81	P	21:52:14.418	0.3	277.1			5.04		TAS	174.6	1.71	a_e	mb	6.0
TNS	82.81	L	22:24:06.532							T__	2298.9	22.00	a_e	Ms	5.5
UBBA	83.74	P	21:52:18.827	-0.0	277.1			5.04		TAS	77.4	1.58	m_e	mb	5.7
WET	85.79	P	21:52:29.518	-0.2	277.1			5.04		TAS	106.7	1.27	a_e	MBB	6.2
WET	85.79	L	22:30:18.412							T__	2750.6	18.40	a_e	Ms	5.7
WLF	81.37	P	21:52:07.118	0.2	277.1			5.04		TAS	169.8	1.66	a_e	mb	5.8

Event 716002 Lake Tanganyika region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/16	01:23:20.25			-2.7530	28.9980				33.0					53.08	55.24	m i ke	BGR
716008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.0		BGR	716008
Ms	3.4		BGR	716008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	53.08		P	01:32:36.711		156.7		7.12		TAS		1.3	0.93	m_e	mb 3.8
GRA1	54.45		P	01:32:46.126		156.7		7.12		TAS		4.1	0.78	m_e	mb 4.5
GRA1	54.45		L	01:58:25.170						T__		30.4	19.90	a_e	Ms 3.4
MOX	55.24		L	01:59:03.220						T__		31.4	19.40	a_e	Ms 3.4
ROTZ	54.28		P	01:32:45.655		156.7		7.12		TAS		0.4	0.74	m_e	mb 3.5
WET	53.55		P	01:32:39.814		156.7		7.12		TAS		1.8	0.77	m_e	mb 4.2

Event 716003 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/16 18:53:37.77 -17.5110 -174.9890 33.0 16 144.25 149.19 m i ke IDCSEL3
 716041

Magnitude Err Nsta Author OrigID
 Ms 3.8 BGR 716009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.17		PKPbc	19:13:15.152	0.0	11.1		2.87		TAS				m_e	
BFO	149.14		PKPbc	19:13:26.122		11.1		2.87		TAS				m_e	
BRG	145.96		PKPbc	19:13:17.539	-0.4	11.1		2.87		TAS				m_e	
CLL	145.69		PKPbc	19:13:16.426	0.3	11.1		2.87		TAS				m_e	
CLZ	145.48		PKPbc	19:13:16.120	0.1	11.1		2.87		TAS				m_e	
FLT1	144.91		PKPbc	19:13:13.807	0.4	11.1		2.87		TAS				m_e	
GOR1	144.25		PKPbc	19:13:12.080	0.1	11.1		2.87		TAS				m_e	
GRA1	147.51		L	20:19:18.383						T__		17.5	18.80	a_e Ms	3.9
IBBN	145.21		PKPbc	19:13:15.366	-0.9	11.1		2.87		TAS				m_e	
KAST	146.28		PKPbc	19:13:17.353	0.5	11.1		2.87		TAS				m_e	
MOX	146.52		PKPbc	19:13:19.014		11.1		2.87		TAS				m_e	
MOX	146.52		L	20:19:39.593						T__		16.7	20.70	a_e Ms	3.8
NEUB	145.97		PKPbc	19:13:17.759	-0.3	11.1		2.87		TAS				m_e	
PLN	146.61		PKPbc	19:13:19.571		11.1		2.87		TAS				m_e	
RJOB	149.19		PKPbc	19:13:26.399		11.1		2.87		TAS				m_e	
ROTZ	147.30		PKPbc	19:13:21.559		11.1		2.87		TAS				m_e	
TANN	146.63		PKPbc	19:13:19.524		11.1		2.87		TAS				m_e	
WLF	147.91		PKPbc	19:13:23.652		11.1		2.87		TAS				m_e	

Event 716005 Southeast of Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/16 20:02:14.43 30.1480 138.6760 33.0 27 84.71 90.12 m i ke BGR
 716011

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 716011
 Ms 3.8 BGR 716011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.29		P	20:14:51.549	0.3	43.4		4.79		TAS		16.3	1.38	m_e mb	5.0
BFO	90.12		P	20:15:09.862		43.4		4.79		TAS		19.5	0.87	m_e mb	5.3
BRG	85.76		P	20:14:49.330	0.0	43.4		4.79		TAS		20.7	0.88	m_e mb	5.3
BSEG	85.12		P	20:14:46.380	0.3	43.4		4.79		TAS		16.2	0.94	m_e mb	5.2
BUG	88.22		P	20:15:00.863	0.0	43.4		4.79		TAS		6.4	0.75	m_e mb	5.0
CLL	85.88		P	20:14:49.748	-0.0	43.4		4.79		TAS		35.3	0.91	m_e mb	5.5

CLZ	86.63	P	20:14:53.718	-0.2	43.4	4.79	TAS	20.5	1.22	m_e	mb	5.1
FLT1	85.91	P	20:14:49.580	-0.3	43.4	4.79	TAS	19.9	0.95	m_e	mb	5.2
FUR	88.91	P	20:15:04.586		43.4	4.79	TAS	77.1	1.16	m_e	mb	5.8
GEC2	87.30	P	20:14:56.430	0.2	43.4	4.79	TAS	8.7	0.94	a_e	mb	5.1
GOR1	85.40	P	20:14:47.878	0.0	43.4	4.79	TAS	25.6	1.13	m_e	mb	5.3
GRA1	87.83	P	20:14:59.402	-0.0	43.4	4.79	TAS	17.8	0.85	m_e	mb	5.4
GRA1	87.83	L	20:56:43.189				T__	38.5	20.30	a_e	Ms	3.8
IBBN	87.36	P	20:14:56.927	-0.4	43.4	4.79	TAS	25.3	1.12	m_e	mb	5.5
KAST	87.92	P	20:14:59.643	0.0	43.4	4.79	TAS	5.6	0.74	m_e	mb	5.0
MOX	86.96	P	20:14:54.975	-0.1	43.4	4.79	TAS	9.8	1.05	m_e	mb	4.9
MOX	86.96	L	20:57:40.886				T__	32.5	18.80	a_e	Ms	3.8
NEUB	86.50	P	20:14:52.791	-0.1	43.4	4.79	TAS	23.4	0.89	m_e	mb	5.3
PLN	86.84	P	20:14:54.489	0.3	43.4	4.79	TAS	3.6	1.00	m_e	mb	4.5
RETH	86.39	P	20:14:52.278	0.3	43.4	4.79	TAS	7.2	1.01	m_e	mb	4.8
RJOB	88.51	P	20:15:02.535		43.4	4.79	TAS	17.0	0.88	m_e	mb	5.3
ROTZ	87.33	P	20:14:57.130	-0.1	43.4	4.79	TAS	2.6	0.86	m_e	mb	4.6
RUE	84.71	P	20:14:44.538	0.0	43.4	4.79	TAS	34.4	0.64	m_e	mb	5.7
STU	89.41	P	20:15:06.720	0.1	43.4	4.79	TAS	61.3	0.94	m_e	mb	5.8
TANN	86.75	P	20:14:54.080	0.2	43.4	4.79	TAS	6.1	0.87	a_e	mb	4.8
TNS	88.65	P	20:15:03.026	0.2	43.4	4.79	TAS	4.1	0.89	m_e	mb	4.7
WET	87.47	P	20:14:57.423	-0.3	43.4	4.79	TAS	5.1	0.89	m_e	mb	4.8
WLF	90.03	P	20:15:09.988	-0.2	43.4	4.79	TAS	12.1	0.93	m_e	mb	5.1

Event 716006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/16	22:59:25.90			-20.7690	-178.5520				554.5			24		146.20	151.95	m i ke	IDCSEL3
	716044																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.89		PKPbc	23:18:09.412	-0.0	18.6		2.42		TAS				m_e	
BFO	151.95		PKPbc	23:18:18.921		18.6		2.42		TAS				m_e	
BRG	148.39		PKPbc	23:18:10.925	0.1	18.6		2.42		TAS				m_e	
BSEG	146.20		PKPbc	23:18:05.032	-0.1	18.6		2.42		TAS				m_e	
CLL	148.20		PKPbc	23:18:10.246	0.2	18.6		2.42		TAS				m_e	
CLZ	148.22		PKPbc	23:18:10.546	0.1	18.6		2.42		TAS				m_e	
FLT1	147.59		PKPbc	23:18:08.472	0.3	18.6		2.42		TAS				m_e	
FUR	151.54		PKPbc	23:18:18.159		18.6		2.42		TAS				m_e	
GEC2	150.31		PKPbc	23:18:15.476		18.6		2.42		TAS				m_e	
GOR1	146.95		PKPbc	23:18:06.997	-0.1	18.6		2.42		TAS				m_e	
GRA1	150.11		PKPbc	23:18:15.158	-0.7	18.6		2.42		TAS				m_e	
HLG	146.28		PKPbc	23:18:05.435	-0.3	18.6		2.42		TAS				m_e	
IBBN	148.14		PKPbc	23:18:10.102	-0.0	18.6		2.42		TAS				m_e	
KAST	149.14		PKPbc	23:18:12.642	0.2	18.6		2.42		TAS				m_e	

MOX	149.12	PKPbc	23:18:12.628	0.3	18.6	2.42	TAS	m_e
NEUB	148.57	PKPbc	23:18:11.291	0.3	18.6	2.42	TAS	m_e
PLN	149.16	PKPbc	23:18:12.790	0.3	18.6	2.42	TAS	m_e
RETH	147.51	PKPbc	23:18:08.463	-0.1	18.6	2.42	TAS	m_e
RJOB	151.57	PKPbc	23:18:17.940		18.6	2.42	TAS	m_e
ROTZ	149.83	PKPbc	23:18:14.346	-0.3	18.6	2.42	TAS	m_e
TANN	149.16	PKPbc	23:18:12.897	0.1	18.6	2.42	TAS	m_e
TNS	150.09	PKPbc	23:18:14.869	-0.1	18.6	2.42	TAS	m_e
WET	150.25	PKPbc	23:18:15.355		18.6	2.42	TAS	m_e
WLF	150.93	PKPbc	23:18:17.246	-0.2	18.6	2.42	TAS	m_e

Event 717002 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
2020/07/17	02:50:23.00			-7.8300	147.7300				80.0			29		121.85	127.39	m i ke	EMSC
	717034																

Magnitude	Err	Nsta	Author	OrigID
Ms	6.8		BGR	717008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	123.62		PKPdf	03:09:11.005	0.3	56.1		1.96		TAS				m_e	
BFO	127.07		PKPdf	03:09:17.352	0.1	56.1		1.96		TAS				a_e	
BFO	127.07		L	04:09:31.328						T__	18567.5	20.00		a_e Ms	6.8
BRG	122.62		PKPdf	03:09:09.152	-0.2	56.1		1.96		TAS				a_e	
BSEG	122.72		PKPdf	03:09:09.552	0.1	56.1		1.96		TAS				a_e	
BSEG	122.72		L	04:00:53.582						T__	10903.1	21.70		a_e Ms	6.5
BUG	125.72		PKPdf	03:09:15.052	-0.1	56.1		1.96		TAS				a_e	
CLL	122.89		PKPdf	03:09:09.402	0.1	56.1		1.96		TAS				m_e	
CLL	122.89		L	04:07:32.668						T__	27705.1	21.30		a_e Ms	6.9
CLZ	123.94		PKPdf	03:09:12.002	0.0	56.1		1.96		TAS				a_e	
FLT1	123.22		PKPdf	03:09:10.052	-0.1	56.1		1.96		TAS				a_e	
FUR	125.55		PKPdf	03:09:14.802	-0.3	56.1		1.96		TAS				a_e	
FUR	125.55		L	04:06:01.646						T__	21985.5	22.00		a_e Ms	6.8
GEC2	123.81		PKPdf	03:09:11.374	0.1	56.1		1.96		TAS				m_e	
GEC2	123.81		L	04:03:50.843						T__	14412.6	21.90		a_e Ms	6.6
GOR1	122.80		PKPdf	03:09:09.672	-0.0	56.1		1.96		TAS				m_e	
GRA1	124.73		PKPdf	03:09:13.202	0.3	56.1		1.96		TAS				a_e	
GRA1	124.73		L	04:05:23.824						T__	19742.0	21.30		a_e Ms	6.8
GTTG	124.32		PKPdf	03:09:12.461	-0.2	56.1		1.96		TAS				m_e	
HLG	123.68		PKPdf	03:09:11.452	0.1	56.1		1.96		TAS				a_e	
IBBN	124.94		PKPdf	03:09:13.731	-0.2	56.1		1.96		TAS				m_e	
KAST	125.30		PKPdf	03:09:14.502	-0.1	56.1		1.96		TAS				a_e	
MOX	123.99		PKPdf	03:09:11.522	0.0	56.1		1.96		TAS				m_e	
MOX	123.99		L	04:08:57.788						T__	24762.8	20.20		a_e Ms	6.9
NEUB	123.60		PKPdf	03:09:10.902	0.2	56.1		1.96		TAS				a_e	

PLN	123.79	PKPdf	03:09:11.329	0.1	56.1	1.96	TAS										m_e
RETH	123.90	PKPdf	03:09:11.709	0.1	56.1	1.96	TAS										m_e
RJOB	124.91	PKPdf	03:09:13.102		56.1	1.96	TAS										a_e
ROTZ	124.16	PKPdf	03:09:11.947	0.5	56.1	1.96	TAS										m_e
RUE	121.85	PKPdf	03:09:07.602	-0.1	56.1	1.96	TAS										a_e
STU	126.35	PKPdf	03:09:16.352	-0.4	56.1	1.96	TAS										a_e
TANN	123.67	PKPdf	03:09:11.084	0.1	56.1	1.96	TAS										m_e
TNS	125.88	PKPdf	03:09:15.602	-0.0	56.1	1.96	TAS										a_e
TNS	125.88	L	04:07:00.264				T__				22422.8	21.20		a_e	Ms		6.8
UBBA	124.73	PKPdf	03:09:12.958	-0.2	56.1	1.96	TAS										m_e
WET	124.12	PKPdf	03:09:12.152	0.1	56.1	1.96	TAS										a_e
WET	124.12	L	04:04:34.436				T__				25437.6	21.30		a_e	Ms		6.8
WLF	127.39	PKPdf	03:09:18.929	0.1	56.1	1.96	TAS										m_e

Event	717001	Austria																
Date		Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																		
2020/07/17		02:50:59.96	0.28	1.17	46.3680	13.5450	4.4	3.3	177	10.0			35	207	0.71	7.04	m i ke	BGR
717007																		

Magnitude	Err	Nsta	Author	OrigID
ML	4.0		BGR	717007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.62		Sg	02:51:50.098	-1.4					T__	4.7				m_e
ARSA	1.62		Pn	02:51:28.421	0.7					T__	162.6				m_e ML 3.8
BALST	4.13		Pn	02:52:01.529	-0.0					T__	34.9				m_e
BFO	4.05		Sg	02:53:09.168	0.6					T__	3.5				m_e
BFO	4.05		Pn	02:52:00.613	0.1					T__	71.2				m_e ML 4.3
BFO	4.05		Pg	02:52:13.766	-2.5					T__	1.6				m_e
BIOA			Sg	02:51:43.986	1.9					T__	3.1				m_e
BIOA			Pn	02:51:23.726	-0.0					T__	205.8				m_e ML 4.0
BIOA			Pg	02:51:25.715	0.7					T__	489.6				m_e
BRG	4.52		Pn	02:52:06.692	-0.1					T__	10.8				m_e
BRG	4.52		Pg	02:52:22.625	-2.3					T__	2.8				m_e
CLL	4.96		Pn	02:52:13.248	0.6					T__	54.6				m_e
DAVA	2.68		Pn	02:51:43.107	1.1					T__	33.0				m_e
DAVA	2.68		Pg	02:51:48.817	-1.6					T__	6.0				m_e
FETA			Sg	02:52:03.121	-1.8					T__	2.7				m_e
FETA			Pn	02:51:34.957	1.5					T__	93.6				m_e ML 3.8
FUR	2.37		Sg	02:52:15.435	0.2					T__	5.0				m_e
FUR	2.37		Pn	02:51:38.661	0.8					T__	6.6				m_e ML 4.5
FUR	2.37		Pg	02:51:43.333	-1.3					T__	9.9				m_e
GEC2	2.48		Sg	02:52:18.951	0.2					T__	2.4				m_e
GEC2	2.48		Pn	02:51:39.955	0.6					T__	45.8				m_e ML 4.1
GEC2	2.48		Pg	02:51:44.926	-1.8					T__	11.5				m_e

GRA1	3.67	Sg	02:52:58.117	1.6	T__	3.4	m_e	
GRA1	3.67	Pn	02:51:55.702	0.3	T__	11.5	m_e ML	4.7
GRA1	3.67	Pg	02:52:08.982	-0.1	T__	5.6	m_e	
IBBN	7.04	Pn	02:52:42.617	1.8	T__	6.4	m_e	
KAST	5.91	Pn	02:52:26.760	1.3	T__	20.6	m_e	
KBA	0.72	Sg	02:51:23.698	0.6	T__	3.8	m_e	
KBA	0.72	Pg	02:51:12.644	-1.1	T__	257.1	m_e ML	3.6
LESA		Sg	02:51:37.430	-1.1	T__	7.2	m_e	
LESA		Pn	02:51:21.600	-0.6	T__	201.9	m_e ML	4.0
LESA		Pg	02:51:23.058	0.2	T__	704.6	m_e	
MOA	1.56	Pn	02:51:27.801	0.9	T__	36.9	m_e ML	3.7
MOA	1.56	Pg	02:51:29.347	-0.1	T__	732.8	m_e	
MOTA		Sg	02:52:00.907	-0.7	T__	3.8	m_e	
MOTA		Pn	02:51:33.363	1.3	T__	131.1	m_e ML	4.0
MOX	4.47	Pn	02:52:06.160	0.1	T__	62.1	m_e	
MOX	4.47	Pg	02:52:23.157	-0.9	T__	1.2	m_e	
NEUB	4.97	Pn	02:52:14.124	1.2	T__	9.1	m_e	
OBKA	0.71	Sg	02:51:22.192	-0.4	T__	5.9	m_e	
OBKA	0.71	Pg	02:51:11.050	-2.4	T__	2228.6	m_e	
PLN	4.22	Pn	02:52:03.249	0.4	T__	17.0	m_e	
PLN	4.22	Pg	02:52:18.901	-0.6	T__	2.4	m_e	
PLONS	2.95	Pn	02:51:46.562	1.0	T__	25.6	m_e ML	3.8
RETA		Sg	02:52:09.411	-0.8	T__	2.7	m_e	
RETA		Pn	02:51:36.818	1.1	T__	93.5	m_e ML	3.9
RETA		Pg	02:51:40.313	-1.3	T__	9.0	m_e	
RJOB	1.46	Sg	02:51:47.591	1.1	T__	3.3	m_e	
RJOB	1.46	Pn	02:51:25.912	0.3	T__	53.6	m_e ML	3.7
ROTZ	3.52	Sg	02:52:51.041	-0.5	T__	6.5	m_e	
ROTZ	3.52	Pn	02:51:53.049	-0.2	T__	33.4	m_e ML	4.4
ROTZ	3.52	Pg	02:52:04.727	-1.5	T__	3.2	m_e	
SLE	3.73	Pn	02:51:55.937	-0.2	T__	36.2	m_e	
SQTA		Sg	02:51:57.806	0.1	T__	1.6	m_e	
SQTA		Pn	02:51:31.414	1.0	T__	227.0	m_e ML	3.8
STU	3.80	Pn	02:51:57.247	0.1	T__	8.5	m_e	
STU	3.80	Pg	02:52:10.747	-0.8	T__	2.3	m_e	
SULZ	3.90	Pn	02:51:58.683	0.3	T__	11.6	m_e	
SULZ	3.90	Pg	02:52:10.928	-2.4	T__	2.9	m_e	
TANN	4.11	Pn	02:52:01.440	0.1	T__	51.6	m_e	
TANN	4.11	Pg	02:52:16.328	-1.1	T__	2.5	m_e	
TNS	5.14	Pn	02:52:16.082	0.9	T__	30.7	m_e	
UBBA	5.04	Pn	02:52:15.197	1.4	T__	6.5	m_e	
WET	2.81	Sg	02:52:28.450	-0.8	T__	2.6	m_e	
WET	2.81	Pn	02:51:44.094	0.3	T__	61.6	m_e ML	4.2
WET	2.81	Pg	02:51:51.395	-1.6	T__	3.4	m_e	
WET	2.81	Sn	02:52:18.351	3.0	T__		m_e	
WLF	5.96	Pn	02:52:28.532	2.4	T__	9.4	m_e	
WTTA	1.59	Sg	02:51:49.567	-0.9	T__	4.1	m_e	
WTTA	1.59	Pn	02:51:27.713	0.4	T__	152.5	m_e ML	4.2

Event 717006 Andaman Islands, India, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/17 05:01:16.30 11.2820 94.6390 33.0 12 75.47 79.27 m i ke BGR
 717012

Magnitude Err Nsta Author OrigID
 mb 4.6 BGR 717012
 Ms 5.1 BGR 717012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	75.47		P	05:12:57.292	0.1	87.6		5.61		TAS		7.7	1.05	m_e	mb 4.7
BSEG	77.64		P	05:13:09.423		87.6		5.61		TAS		5.6	0.89	m_e	mb 4.7
CLL	76.06		P	05:12:59.934	0.4	87.6		5.61		TAS		5.0	1.01	m_e	mb 4.6
CLZ	77.69		P	05:13:09.602		87.6		5.61		TAS		7.4	0.82	m_e	mb 4.9
GEC2	75.64		P	05:12:58.181	0.0	87.6		5.61		TAS		5.8	0.81	m_e	mb 4.8
GRA1	77.24		L	05:47:22.855						T__		1016.8	18.50	a_e	Ms 5.2
GTTG	77.96		P	05:13:11.284		87.6		5.61		TAS		9.8	0.82	m_e	mb 5.0
IBBN	79.27		P	05:13:18.203		87.6		5.61		TAS		15.5	1.17	m_e	mb 4.9
KAST	78.95		P	05:13:16.641		87.6		5.61		TAS		4.9	1.15	m_e	mb 4.4
MOX	76.95		L	05:44:21.614						T__		705.9	20.90	a_e	Ms 5.0
PLN	76.61		P	05:13:03.448	0.1	87.6		5.61		TAS		1.1	0.67	m_e	mb 4.1
RETH	78.26		P	05:13:12.937		87.6		5.61		TAS		12.8	1.70	m_e	mb 4.8
ROTZ	76.60		P	05:13:03.935	0.1	87.6		5.61		TAS		2.0	1.33	m_e	mb 4.1
TANN	76.42		P	05:13:02.738	0.2	87.6		5.61		TAS		2.0	0.81	m_e	mb 4.3

Event 717007 Near coast of northern Chile
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/17 05:40:35.40 -20.2400 -70.1400 74.0 12 96.71 101.38 m i ke EMSC
 717039

Magnitude Err Nsta Author OrigID
 Ms 5.4 BGR 717013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	100.28		Pdiff	05:54:13.983	0.2	254.0		4.54		TAS				m_e	
BUG	98.05		Pdiff	05:54:03.789	0.4	254.0		4.54		TAS				m_e	
CLL	101.38		Pdiff	05:54:18.571		254.0		4.54		TAS				m_e	
CLZ	100.00		Pdiff	05:54:12.284	-0.1	254.0		4.54		TAS				m_e	
GRA1	99.78		L	06:35:19.471						T__		1017.9	21.20	a_e	Ms 5.3
IBBN	98.66		Pdiff	05:54:04.978	-0.3	254.0		4.54		TAS				m_e	
KAST	98.63		Pdiff	05:54:05.658		254.0		4.54		TAS				m_e	

./bul2007.txt

Tue Feb 22 15:12:57 2022

47

MOX	100.34	Pdiff	05:54:13.644	254.0	4.54	TAS												m_e
MOX	100.34	L	06:35:37.658			T__					1784.9	21.20		a_e	Ms			5.5
PLN	100.61	Pdiff	05:54:15.513	254.0	4.54	TAS												m_e
RETH	99.73	Pdiff	05:54:10.585	0.6 254.0	4.54	TAS												m_e
TANN	100.78	Pdiff	05:54:16.022	254.0	4.54	TAS												m_e
TNS	98.29	Pdiff	05:54:04.128	254.0	4.54	TAS												m_e
WLF	96.71	Pdiff	05:53:57.842	254.0	4.54	TAS												m_e

Event 717008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2020/07/17	06:10:39.73			45.5070	147.7260				33.0			29		74.50	80.03	m i k e	BGR	
	717014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	717014
MBB	6.0		BGR	717014
Ms	4.6		BGR	717014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	75.97		P	06:22:21.559	0.4	29.6		5.58		TAS		106.2	1.37	m_e	mb	5.8
BFO	80.03		P	06:22:43.726	0.1	29.6		5.58		TAS		94.9	1.48	m_e	MBB	5.6
BRG	76.01		P	06:22:21.678	-0.2	29.6		5.58		TAS		79.6	1.36	m_e	mb	5.7
BSEG	74.50		P	06:22:13.370	0.1	29.6		5.58		TAS		56.2	1.19	m_e	mb	5.5
BUG	77.58		P	06:22:30.604	-0.3	29.6		5.58		TAS		136.1	1.35	m_e	mb	5.9
CLL	75.95		P	06:22:21.222	0.1	29.6		5.58		TAS		109.2	0.96	m_e	mb	6.0
CLZ	76.31		P	06:22:24.002	0.2	29.6		5.58		TAS		340.1	1.61	m_e	MBB	6.2
FLT1	75.62		P	06:22:19.223	-0.1	29.6		5.58		TAS		226.9	1.48	m_e	mb	6.1
FUR	79.23		P	06:22:40.004	0.3	29.6		5.58		TAS		134.9	1.26	m_e	mb	5.8
GEC2	77.83		P	06:22:31.980	-0.3	29.6		5.58		TAS		52.5	1.28	m_e	mb	5.5
GOR1	75.03		P	06:22:16.554	0.1	29.6		5.58		TAS		193.8	1.34	m_e	mb	6.0
GRA1	77.92		P	06:22:32.902	0.4	29.6		5.58		TAS		202.3	1.28	m_e	mb	6.1
GRA1	77.92		L	07:02:37.284						T__		292.6	21.10	a_e	Ms	4.6
GTTG	76.69		P	06:22:25.940	0.0	29.6		5.58		TAS		133.0	1.30	m_e	mb	5.9
HLG	74.97		P	06:22:16.149	-0.1	29.6		5.58		TAS		226.8	1.58	m_e	mb	6.0
IBBN	76.67		P	06:22:25.606	-0.5	29.6		5.58		TAS		80.9	1.02	m_e	mb	5.8
KAST	77.46		P	06:22:30.082	-0.1	29.6		5.58		TAS		90.6	1.29	m_e	mb	5.8
MOX	76.96		P	06:22:27.235	0.0	29.6		5.58		TAS		79.4	1.29	m_e	MBB	5.9
MOX	76.96		L	07:03:05.446						T__		350.5	20.90	a_e	Ms	4.7
NEUB	76.44		P	06:22:24.196	-0.2	29.6		5.58		TAS		157.2	1.21	m_e	mb	6.0
PLN	76.93		P	06:22:27.060	-0.1	29.6		5.58		TAS		42.2	1.57	m_e	mb	5.3
RETH	75.83		P	06:22:20.882	-0.1	29.6		5.58		TAS		175.1	1.39	m_e	mb	6.0
RJOB	79.09		P	06:22:39.371		29.6		5.58		TAS		39.9	1.34	a_e	mb	5.3
ROTZ	77.53		P	06:22:30.599	-0.1	29.6		5.58		TAS		18.7	1.30	m_e	mb	5.1
RUE	74.70		P	06:22:14.448	0.1	29.6		5.58		TAS		319.6	1.50	m_e	mb	6.1
STU	79.37		P	06:22:40.382	-0.6	29.6		5.58		TAS		385.5	1.56	m_e	mb	6.2

TANN	76.89	P	06:22:26.690	0.1	29.6	5.58	TAS	110.7	1.80	m_e	mb	5.7
TNS	78.31	P	06:22:34.806	0.2	29.6	5.58	TAS	108.2	1.35	m_e	MBB	5.9
UBBA	77.32	P	06:22:28.973	-0.0	29.6	5.58	TAS	63.6	1.29	m_e	mb	5.6
WET	77.85	P	06:22:32.569	-0.0	29.6	5.58	TAS	122.9	1.30	m_e	mb	5.9
WLF	79.49	P	06:22:41.164	0.3	29.6	5.58	TAS	80.7	1.52	m_e	mb	5.5

Event 717009 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/17	08:12:27.51			35.2090	5.8770				33.0			15		13.55	18.98	m i ke	BGR
	717015																

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	717015
Ms	3.8		BGR	717015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	17.26	P		08:16:30.874		197.1		12.53		TAS		33.5	1.42	m_e	mb	4.3
BRG	16.71	P		08:16:23.861		197.1		12.53		TAS		35.5	2.00	m_e	mb	4.2
BSEG	18.98	P		08:16:51.410		197.1		12.53		TAS		37.7	1.53	m_e	mb	4.4
BSEG	18.98	L		08:24:45.696						T__		321.5	18.00	a_e	Ms	3.7
CLL	16.89	P		08:16:25.451		197.1		12.53		TAS				m_e		
CLL	16.89	L		08:22:03.657						T__		640.4	19.70	a_e	Ms	3.9
FLT1	17.54	P		08:16:35.238		197.1		12.53		TAS		70.8	1.83	m_e	mb	4.5
FUR	13.55	L		08:19:54.261						T__		960.1	21.30	a_e	Ms	3.8
GEC2	14.80	P		08:16:04.109	0.0	197.1		12.53		TAS		14.5	1.13	m_e		
GEC2	14.80	L		08:21:07.948						T__		1248.9	18.20	a_e	Ms	4.1
GOR1	18.19	P		08:16:43.592		197.1		12.53		TAS		51.7	1.45	m_e		
GRA1	14.99	P		08:16:02.689	2.8	197.1		12.53		TAS				m_e		
GRA1	14.99	L		08:22:02.554						T__		659.0	18.10	a_e	Ms	3.8
IBBN	17.15	P		08:16:29.816		197.1		12.53		TAS		7.4	0.69	m_e		
MOX	15.98	P		08:16:12.172	0.9	197.1		12.53		TAS		32.3	1.64	m_e		
MOX	15.98	L		08:21:05.971						T__		337.5	19.30	a_e	Ms	3.5
PLN	15.94	P		08:16:15.327	0.5	197.1		12.53		TAS		11.4	1.99	m_e		
RETH	17.70	P		08:16:35.892		197.1		12.53		TAS		118.4	1.94	m_e		
ROTZ	15.27	P		08:16:03.548	-1.1	197.1		12.53		TAS		2.7	1.31	m_e		
TANN	15.94	P		08:16:14.018	-0.5	197.1		12.53		TAS		14.5	1.29	m_e		
TNS	15.12	L		08:20:24.950						T__		876.7	21.50	a_e	Ms	3.9
UBBA	15.89	P		08:16:11.419	-0.0	197.1		12.53		TAS		32.7	1.42	m_e		
WET	14.85	L		08:20:46.187						T__		667.0	18.20	a_e	Ms	3.8

Event 717010 Andaman Islands, India, region

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

OrigID
 2020/07/17 13:29:06.04 10.7600 94.4440 33.0 17 75.74 80.79 m i ke BGR
 717016

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 717016
 Ms 4.7 BGR 717016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	77.77		P	13:40:59.389	0.3	88.1		5.59		TAS		14.2	1.57	m_e	mb 4.9
BFO	79.48		P	13:41:09.060		88.1		5.59		TAS		3.1	0.89	m_e	mb 4.3
BRG	75.74		P	13:40:48.610	0.1	88.1		5.59		TAS		9.7	1.22	m_e	mb 4.8
BSEG	77.93		P	13:41:01.070		88.1		5.59		TAS		7.3	1.00	m_e	mb 4.8
BUG	79.92		P	13:41:11.844		88.1		5.59		TAS		16.6	1.24	m_e	mb 4.8
CLL	76.34		P	13:40:51.368	-0.0	88.1		5.59		TAS		17.2	1.62	m_e	mb 4.9
CLZ	77.97		P	13:41:00.765		88.1		5.59		TAS		6.6	0.89	m_e	mb 4.8
GEC2	75.90		P	13:40:49.563	-0.5	88.1		5.59		TAS		5.7	0.92	m_e	mb 4.7
GOR1	77.36		P	13:40:57.377	-0.1	88.1		5.59		TAS		61.3	1.83	m_e	mb 5.4
GRA1	77.50		L	14:16:31.980						T__		465.2	21.70	a_e	Ms 4.8
IBBN	79.56		P	13:41:09.846		88.1		5.59		TAS		19.9	1.24	m_e	mb 4.9
KAST	79.22		P	13:41:07.832		88.1		5.59		TAS		6.2	1.17	m_e	mb 4.5
MOX	77.22		P	13:40:56.662	-0.1	88.1		5.59		TAS		11.9	1.56	m_e	mb 4.8
MOX	77.22		L	14:16:32.311						T__		358.1	19.30	a_e	Ms 4.7
RETH	78.55		P	13:41:04.052		88.1		5.59		TAS		19.6	1.48	m_e	mb 4.9
ROTZ	76.86		P	13:40:55.365	-0.4	88.1		5.59		TAS		2.9	1.32	m_e	mb 4.2
TANN	76.69		P	13:40:53.796	-0.1	88.1		5.59		TAS		11.7	1.67	m_e	mb 4.8
WET	76.44		P	13:40:52.372	0.6	88.1		5.59		TAS		11.0	1.59	m_e	mb 4.7
WLF	80.79		P	13:41:17.004		88.1		5.59		TAS		61.3	2.11	m_e	mb 5.3

Event 717011 Andaman Islands, India, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/17 14:03:50.32 12.1600 94.6460 33.0 23 74.81 78.97 m i ke BGR
 717017

Magnitude Err Nsta Author OrigID
 mb 5.8 BGR 717017
 Ms 5.9 BGR 717017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.82		P	14:15:38.065	0.1	87.0		5.66		TAS		309.9	2.41	m_e	mb 6.0
BFO	78.59		P	14:15:48.278		87.0		5.66		TAS		121.1	2.29	m_e	mb 5.5
BFO	78.59		L	14:57:18.087						T__		4830.7	22.00	a_e	Ms 5.8
BRG	74.81		P	14:15:27.220	0.1	87.0		5.66		TAS		312.8	2.52	m_e	mb 5.9
BSEG	76.94		P	14:15:39.514	-0.5	87.0		5.66		TAS		33.4	0.94	m_e	mb 5.5
BSEG	76.94		L	14:55:40.417						T__		7312.6	20.60	a_e	Ms 6.0

BUG	78.97	P	14:15:50.725		87.0	5.66	TAS	45.6	0.96	m_e	mb	5.5
CLL	75.40	P	14:15:30.387	-0.2	87.0	5.66	TAS	244.0	2.35	m_e	mb	5.8
CLL	75.40	L	14:53:47.663				T__	9553.6	21.80	a_e	Ms	6.1
CLZ	77.02	P	14:15:39.654	-0.4	87.0	5.66	TAS	41.9	0.88	m_e	mb	5.6
FLT1	76.46	P	14:15:35.723	1.1	87.0	5.66	TAS	286.3	2.48	m_e	mb	6.0
FUR	76.64	P	14:15:38.626	0.5	87.0	5.66	TAS	464.0	2.62	m_e	mb	6.2
FUR	76.64	L	14:57:34.987				T__	3911.1	21.70	a_e	Ms	5.7
GEC2	75.00	P	14:15:28.098	-0.1	87.0	5.66	TAS	391.6	2.52	m_e	mb	6.0
GEC2	75.00	L	14:54:39.397				T__	7042.6	21.30	a_e	Ms	5.9
GOR1	76.39	P	14:15:36.220	0.3	87.0	5.66	TAS	404.5	2.21	m_e	mb	6.2
GRA1	76.59	P	14:15:37.558	-0.3	87.0	5.66	TAS	492.3	2.71	m_e	mb	6.2
GRA1	76.59	L	14:54:23.615				T__	8482.8	21.80	a_e	Ms	6.0
GTTG	77.29	P	14:15:40.659	0.2	87.0	5.66	TAS	50.9	0.93	m_e	mb	5.6
KAST	78.28	P	14:15:47.000		87.0	5.66	TAS	252.8	2.49	m_e	mb	5.9
MOX	76.29	P	14:15:35.332	-0.7	87.0	5.66	TAS	347.2	2.80	m_e	mb	6.0
MOX	76.29	L	14:53:56.772				T__	9154.8	21.70	a_e	Ms	6.0
PLN	75.95	P	14:15:33.564	-0.2	87.0	5.66	TAS	115.8	2.72	m_e	mb	5.5
RJOB	75.64	P	14:15:31.267	-0.1	87.0	5.66	TAS	152.0	2.44	m_e	mb	5.7
ROTZ	75.95	P	14:15:34.019	-0.0	87.0	5.66	TAS	12.1	1.31	m_e	mb	4.9
RUE	74.90	P	14:15:27.720	0.2	87.0	5.66	TAS	94.0	0.92	m_e	mb	5.8
TANN	75.76	P	14:15:32.462	0.4	87.0	5.66	TAS	183.6	2.42	m_e	mb	5.8
TNS	78.34	P	14:15:47.122		87.0	5.66	TAS	300.9	2.82	m_e	mb	5.9
TNS	78.34	L	14:55:49.195				T__	7964.7	21.30	a_e	Ms	6.0
UBBA	77.31	P	14:15:40.845	-0.0	87.0	5.66	TAS	204.5	2.40	m_e	mb	5.8
WET	75.54	P	14:15:31.033	-0.5	87.0	5.66	TAS	182.5	2.35	m_e	mb	5.8
WET	75.54	L	14:53:56.197				T__	4245.8	21.30	a_e	Ms	5.7

Event 717012 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/17	14:43:29.67			12.0690	93.9340				33.0			23		74.43	79.48	m i ke	BGR
	717018																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	717018
Ms	4.9		BGR	717018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	76.45		P	14:55:15.163	0.1	87.6		5.69		TAS		19.8	1.28	m_e	mb	5.1
BRG	74.43		P	14:55:04.261	-0.2	87.6		5.69		TAS		19.8	1.36	m_e	mb	5.0
BSEG	76.59		P	14:55:16.833	-0.0	87.6		5.69		TAS		20.3	1.17	m_e	mb	5.1
BUG	78.60		P	14:55:27.583	-0.2	87.6		5.69		TAS		21.2	0.98	m_e	mb	5.1
CLL	75.02		P	14:55:07.090	-0.1	87.6		5.69		TAS		17.6	1.32	m_e	mb	4.9
CLZ	76.65		P	14:55:16.714	-0.2	87.6		5.69		TAS		22.3	1.22	m_e	mb	5.2
FLT1	76.09		P	14:55:12.701	0.1	87.6		5.69		TAS		16.5	1.47	m_e	mb	5.0
GEC2	74.60		P	14:55:05.120		87.6		5.69		TAS		11.8	1.09	m_e	mb	4.8

GOR1	76.03	P	14:55:13.243	0.1	87.6	5.69	TAS	42.7	1.34	m_e	mb	5.4
GRA1	76.20	P	14:55:14.697		87.6	5.69	TAS	22.0	1.46	m_e	mb	5.1
GRA1	76.20	L	15:31:03.939				T__	445.2	21.00	a_e	Ms	4.8
GTTG	76.91	P	14:55:18.244	-0.3	87.6	5.69	TAS	27.7	1.27	m_e	mb	5.2
IBBN	78.23	P	14:55:25.514	-0.3	87.6	5.69	TAS	39.0	1.14	m_e	mb	5.4
KAST	77.90	P	14:55:23.587	0.2	87.6	5.69	TAS	11.9	1.23	m_e	mb	4.9
MOX	75.91	P	14:55:12.588	-0.2	87.6	5.69	TAS	15.7	1.33	m_e	mb	5.0
MOX	75.91	L	15:30:16.171				T__	746.0	20.80	a_e	Ms	5.0
NEUB	75.79	P	14:55:11.688	0.1	87.6	5.69	TAS	20.2	1.10	m_e	mb	5.2
PLN	75.57	P	14:55:10.371	0.5	87.6	5.69	TAS	5.5	1.46	m_e	mb	4.5
RETH	77.22	P	14:55:19.820	-0.1	87.6	5.69	TAS	23.9	1.35	m_e	mb	5.2
RJOB	75.23	P	14:55:08.274		87.6	5.69	TAS	5.6	1.21	m_e	mb	4.5
ROTZ	75.56	P	14:55:10.949	0.1	87.6	5.69	TAS	5.1	1.31	m_e	mb	4.5
RUE	74.53	P	14:55:04.677	-0.8	87.6	5.69	TAS	48.1	1.20	m_e	mb	5.4
TANN	75.38	P	14:55:09.322	0.3	87.6	5.69	TAS	14.4	1.39	m_e	mb	4.8
TNS	77.96	P	14:55:23.926	0.6	87.6	5.69	TAS	13.8	1.34	m_e	mb	4.9
WLF	79.48	P	14:55:33.175	-0.3	87.6	5.69	TAS	50.7	1.71	m_e	mb	5.3

Event 717013 Myanmar-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/17	16:33:54.11		21.4730	92.6440					33.0			17		66.60	70.57	m i ke	BGR
717019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	717019
Ms	4.7		BGR	717019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	70.57		P	16:45:06.077		81.9		6.26		TAS		6.6	1.22	m_e	mb	4.6
BFO	70.57		L	17:19:12.022						T__		384.7	20.60	a_e	Ms	4.6
BRG	66.60		P	16:44:41.071	-0.5	81.9		6.26		TAS		5.8	0.97	m_e	mb	4.8
BSEG	68.47		P	16:44:52.743	0.0	81.9		6.26		TAS		5.4	0.78	m_e	mb	4.8
BSEG	68.47		L	17:19:15.831						T__		380.5	18.00	a_e	Ms	4.7
CLL	67.14		L	17:17:54.816						T__		429.5	21.20	a_e	Ms	4.6
CLZ	68.71		P	16:44:54.456		81.9		6.26		TAS		7.8	1.00	m_e	mb	4.9
FLT1	68.11		P	16:44:49.973	0.1	81.9		6.26		TAS		20.2	1.62	m_e	mb	5.1
FUR	68.66		L	17:18:29.376						T__		252.7	21.40	a_e	Ms	4.4
GEC2	66.97		P	16:44:43.467	0.3	81.9		6.26		TAS		6.3	0.77	m_e	mb	4.9
GOR1	67.99		P	16:44:49.682	0.1	81.9		6.26		TAS		17.3	1.02	m_e	mb	5.2
GRA1	68.47		P	16:44:52.629	-0.0	81.9		6.26		TAS		8.7	1.16	m_e	mb	4.9
GRA1	68.47		L	17:17:53.832						T__		738.7	20.70	a_e	Ms	4.9
GTTG	69.00		P	16:44:56.276		81.9		6.26		TAS		8.8	0.94	m_e	mb	5.0
IBBN	70.23		P	16:45:03.678		81.9		6.26		TAS		6.0	0.98	m_e	mb	4.7
MOX	68.09		L	17:17:26.491						T__		796.7	21.50	a_e	Ms	4.9
NEUB	67.92		P	16:44:49.335	-0.3	81.9		6.26		TAS		9.8	0.97	m_e	mb	5.0

PLN	67.77	P	16:44:48.878	-0.1	81.9	6.26	TAS	1.1	0.91	m_e	mb	4.1
RETH	69.20	P	16:44:57.389		81.9	6.26	TAS	12.4	1.52	m_e	mb	4.9
ROTZ	67.83	P	16:44:49.796	0.2	81.9	6.26	TAS	3.9	1.21	m_e	mb	4.5
TANN	67.59	P	16:44:47.762	-0.2	81.9	6.26	TAS	6.4	1.17	m_e	mb	4.7
TNS	70.16	P	16:45:03.556		81.9	6.26	TAS	7.0	1.03	m_e	mb	4.7
TNS	70.16	L	17:18:39.745				T__	523.6	21.80	a_e	Ms	4.8
WET	67.47	P	16:44:46.241	0.8	81.9	6.26	TAS	4.7	0.93	m_e	mb	4.7
WET	67.47	L	17:17:27.227				T__	416.1	20.10	a_e	Ms	4.7

Event 717014 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/17	18:33:00.05		10.8240	94.5190					33.0			25		75.74	80.79	m i ke	BGR
	717020																

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	717020
MBB	6.1		BGR	717020
Ms	5.4		BGR	717020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	77.77		P	18:44:53.160	0.1	88.0		5.59		TAS		864.1	2.99	m_e	mb	6.4
BFO	79.48		P	18:45:02.470		88.0		5.59		TAS		26.5	1.00	m_e	mb	5.2
BFO	79.48		L	19:26:31.525						T__		1381.6	20.60	a_e	Ms	5.3
BRG	75.74		P	18:44:42.145	0.0	88.0		5.59		TAS		62.2	0.94	m_e	mb	5.7
BSEG	77.93		P	18:44:54.301	0.0	88.0		5.59		TAS		84.7	0.96	m_e	mb	5.8
BSEG	77.93		L	19:24:52.101						T__		1833.8	20.20	a_e	Ms	5.4
BUG	79.92		P	18:45:05.395	-0.1	88.0		5.59		TAS		115.3	0.91	m_e	mb	5.8
CLL	76.34		P	18:44:45.148	0.1	88.0		5.59		TAS		48.6	1.16	m_e	mb	5.5
CLL	76.34		L	19:23:11.224						T__		3176.6	20.90	a_e	Ms	5.6
CLZ	77.97		P	18:44:54.605	0.0	88.0		5.59		TAS		89.7	0.98	m_e	mb	5.9
FLT1	77.42		P	18:44:50.679	0.1	88.0		5.59		TAS		33.9	0.83	m_e	mb	5.5
FUR	77.53		L	19:26:26.904						T__		815.2	21.70	a_e	Ms	5.0
GEC2	75.90		P	18:44:43.176		88.0		5.59		TAS		54.1	0.87	m_e	mb	5.7
GEC2	75.90		L	19:23:51.559						T__		1839.0	20.70	a_e	Ms	5.4
GOR1	77.36		P	18:44:51.022	-0.2	88.0		5.59		TAS		145.8	1.14	m_e	mb	6.0
GRA1	77.51		P	18:44:52.479	-0.5	88.0		5.59		TAS		64.5	1.01	m_e	mb	5.7
GRA1	77.51		L	19:23:01.895						T__		2581.9	21.90	a_e	Ms	5.5
GTTG	78.23		P	18:44:56.075	-0.2	88.0		5.59		TAS		85.1	0.86	m_e	mb	5.9
IBBN	79.55		P	18:45:03.431	-0.2	88.0		5.59		TAS		140.6	1.01	m_e	mb	5.8
KAST	79.22		P	18:45:01.386	0.1	88.0		5.59		TAS		51.1	1.14	m_e	mb	5.5
MOX	77.22		P	18:44:50.374	0.1	88.0		5.59		TAS		41.4	0.80	m_e	mb	5.6
MOX	77.22		L	19:23:20.231						T__		2272.7	21.10	a_e	Ms	5.5
NEUB	77.11		P	18:44:49.764	0.0	88.0		5.59		TAS		65.7	0.95	m_e	mb	5.7
PLN	76.88		P	18:44:48.460	0.5	88.0		5.59		TAS		10.3	0.83	m_e	mb	5.0
RETH	78.55		P	18:44:57.690	0.1	88.0		5.59		TAS		69.6	1.23	m_e	mb	5.5

RJOB	76.52	P	18:44:45.938		88.0	5.59	TAS	20.7	0.81	m_e	mb	5.3
ROTZ	76.86	P	18:44:48.876	0.2	88.0	5.59	TAS	14.6	1.14	m_e	mb	5.0
RUE	75.86	P	18:44:42.441	-0.7	88.0	5.59	TAS	150.4	0.77	m_e	mb	6.2
TANN	76.69	P	18:44:47.371	0.1	88.0	5.59	TAS	33.2	1.00	m_e	mb	5.4
TNS	79.27	P	18:45:01.863	0.5	88.0	5.59	TAS	31.8	0.76	m_e	mb	5.4
TNS	79.27	L	19:25:02.206				T__	2535.8	21.00	a_e	Ms	5.5
WET	76.44	P	18:44:46.160	-0.5	88.0	5.59	TAS	42.0	0.99	m_e	mb	5.5
WET	76.44	L	19:22:22.326				T__	1254.6	22.00	a_e	Ms	5.2
WLF	80.79	P	18:45:10.424	0.2	88.0	5.59	TAS	74.2	1.22	m_e	mb	5.6

Event 718002 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/18	01:37:15.60			-10.3600	161.3800				33.0			18		130.50	135.92	m i ke	NEIC
	718041																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	718008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	132.04		pPKPdf	01:56:35.473						T__				m_e	
BFO	135.92		L	02:58:56.042						T__		1069.6	20.70	a_e	Ms 5.5
BRG	131.58		PKPdf	01:56:22.202	-1.1	42.6		1.84		TAS				m_e	
BSEG	130.79		PKPdf	01:56:20.453	0.1	42.6		1.84		TAS				m_e	
BSEG	130.79		pPKPdf	01:56:33.836						T__				m_e	
BSEG	130.79		L	02:56:32.606						T__		825.1	21.30	a_e	Ms 5.4
CLL	131.68		PKPdf	01:56:22.036	-0.3	42.6		1.84		TAS				m_e	
CLL	131.68		L	02:57:34.395						T__		1361.5	21.60	a_e	Ms 5.6
CLZ	132.38		PKPdf	01:56:22.536	0.0	42.6		1.84		TAS				m_e	
FLT1	131.66		PKPdf	01:56:21.869	0.5	42.6		1.84		TAS				m_e	
FLT1	131.66		pPKPdf	01:56:35.335						T__				m_e	
FUR	134.73		L	02:57:14.781						T__		2416.7	21.90	a_e	Ms 5.9
GEC2	133.11		PKPdf	01:56:24.391		42.6		1.84		TAS				m_e	
GEC2	133.11		L	02:55:50.075						T__		3932.0	22.00	a_e	Ms 6.1
GRA1	133.64		PKPdf	01:56:24.227		42.6		1.84		TAS				m_e	
GRA1	133.64		pPKPdf	01:56:40.266						T__				m_e	
GRA1	133.64		L	02:57:17.684						T__		1699.2	21.50	a_e	Ms 5.7
IBBN	133.02		PKPdf	01:56:24.035	0.3	42.6		1.84		TAS				m_e	
IBBN	133.02		pPKPdf	01:56:38.458						T__				m_e	
MOX	132.76		PKPdf	01:56:23.868	0.2	42.6		1.84		TAS				m_e	
MOX	132.76		pPKPdf	01:56:37.337						T__				m_e	
MOX	132.76		L	02:54:43.427						T__		1194.8	21.70	a_e	Ms 5.6
NEUB	132.29		PKPdf	01:56:23.368	0.9	42.6		1.84		TAS				m_e	
PLN	132.65		PKPdf	01:56:23.810		42.6		1.84		TAS				m_e	
RETH	132.08		PKPdf	01:56:22.952	0.0	42.6		1.84		TAS				m_e	
RETH	132.08		pPKPdf	01:56:36.162						T__				m_e	

./bul2007.txt

Tue Feb 22 15:12:57 2022

54

ROTZ	133.15	PKPdf	01:56:24.368		42.6	1.84	TAS											m_e
RUE	130.50	PKPdf	01:56:19.704	-0.7	42.6	1.84	TAS											m_e
TANN	132.56	PKPdf	01:56:23.035		42.6	1.84	TAS											m_e
TNS	134.41	L	02:56:41.444				T__					1513.8	21.90	a_e	Ms			5.7
UBBA	133.31	PKPdf	01:56:24.868	-0.7	42.6	1.84	TAS											m_e
WET	133.29	PKPdf	01:56:23.868		42.6	1.84	TAS											m_e
WET	133.29	L	02:55:51.583				T__					2193.4	21.80	a_e	Ms			5.8
WLF	135.75	PKPdf	01:56:30.391		42.6	1.84	TAS											m_e

Event 718003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2020/07/18	09:10:17.57			-20.3830	169.5220				33.0				14	143.92	148.26	m i ke	BGR	
	718009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.0		BGR	718009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	148.26		PKPbc	09:30:03.077		38.3		3.79		TAS					m_e		
BRG	144.01		PKPbc	09:29:46.502		38.3		3.79		TAS					m_e		
CLL	144.06		PKPbc	09:29:46.689	-0.6	38.3		3.79		TAS					m_e		
CLZ	144.63		PKPbc	09:29:49.025	0.3	38.3		3.79		TAS					m_e		
FLT1	143.92		PKPbc	09:29:45.893	-0.2	38.3		3.79		TAS					m_e		
GEC2	145.62		PKPbc	09:29:52.012		38.3		3.79		TAS					m_e		
GRA1	146.03		PKPbc	09:29:53.423		38.3		3.79		TAS					m_e		
GRA1	146.03		L	10:32:19.382						T__		26.3	18.50	a_e	Ms		4.0
GTTG	145.02		PKPbc	09:29:50.262	-0.2	38.3		3.79		TAS					m_e		
IBBN	145.12		PKPbc	09:29:50.365	0.2	38.3		3.79		TAS					m_e		
MOX	145.13		PKPbc	09:29:50.366		38.3		3.79		TAS					m_e		
MOX	145.13		L	10:35:42.057						T__		26.5	20.20	a_e	Ms		4.0
NEUB	144.63		PKPbc	09:29:48.938		38.3		3.79		TAS					m_e		
PLN	145.04		PKPbc	09:29:50.284		38.3		3.79		TAS					m_e		
ROTZ	145.57		PKPbc	09:29:51.925		38.3		3.79		TAS					m_e		
TANN	144.97		PKPbc	09:29:50.224		38.3		3.79		TAS					m_e		

Event 718005 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2020/07/18	12:00:50.40			-33.2400	-177.8000				33.0				16	158.52	164.24	m i ke	NEIC	
	718044																	

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Ms	4.5	BGR	718011														
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	164.24		PKPab	12:21:43.716		25.5		3.86		TAS				m_e			
BRG	160.38		PKPab	12:21:26.822	0.6	25.5		3.86		TAS				m_e			
BSEG	158.52		PKPab	12:21:18.280	-0.0	25.5		3.86		TAS				m_e			
CLL	160.29		PKPab	12:21:26.240	0.1	25.5		3.86		TAS				m_e			
FLT1	159.83		PKPab	12:21:23.836	-0.5	25.5		3.86		TAS				m_e			
FUR	163.60		PKPab	12:21:41.350		25.5		3.86		TAS				m_e			
GEC2	162.19		PKPab	12:21:34.566		25.5		3.86		TAS				m_e			
GEC2	162.19		L	13:27:04.766						T__		88.3	19.40	a_e	Ms	4.5	
GRA1	162.25		PKPab	12:21:35.512		25.5		3.86		TAS				m_e			
IBBN	160.52		PKPab	12:21:27.029	0.7	25.5		3.86		TAS				m_e			
MOX	161.28		PKPab	12:21:30.575		25.5		3.86		TAS				m_e			
MOX	161.28		L	13:28:26.172						T__		70.2	21.90	a_e	Ms	4.4	
PLN	161.27		PKPab	12:21:30.299	0.0	25.5		3.86		TAS				m_e			
RETH	159.84		PKPab	12:21:23.895	-0.1	25.5		3.86		TAS				m_e			
RJOB	163.45		PKPab	12:21:40.743		25.5		3.86		TAS				m_e			
ROTZ	161.90		PKPab	12:21:33.936		25.5		3.86		TAS				m_e			
TANN	161.24		PKPab	12:21:30.263	0.2	25.5		3.86		TAS				m_e			
WET	162.22		PKPab	12:21:35.262		25.5		3.86		TAS				m_e			

Event 718004 Chagos Archipelago region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/18	12:06:41.20			-6.4160	70.9270				33.0			9		75.10	77.88	m i ke	IDCSEL3
	718042																

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	718010
Ms	4.1		BGR	718010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BRG	75.10		P	12:18:23.861	1.2	117.6		5.49		TAS		3.7	1.05	m_e	mb	4.3	
CLL	75.83		P	12:18:27.925	0.2	117.6		5.49		TAS		6.1	0.99	m_e	mb	4.7	
CLZ	77.52		P	12:18:37.542		117.6		5.49		TAS		3.6	0.95	m_e	mb	4.5	
FLT1	77.28		P	12:18:35.650		117.6		5.49		TAS		2.5	0.77	m_e	mb	4.4	
GRA1	76.04		P	12:18:29.033		117.6		5.49		TAS		9.2	0.95	m_e	mb	4.9	
GRA1	76.04		L	13:05:32.482						T__		122.0	19.40	a_e	Ms	4.2	
MOX	76.27		P	12:18:30.386		117.6		5.49		TAS		2.5	0.85	m_e	mb	4.4	
MOX	76.27		L	13:04:39.364						T__		76.6	20.50	a_e	Ms	4.0	
PLN	75.89		P	12:18:29.681	-0.0	117.6		5.49		TAS		1.1	0.97	m_e	mb	4.0	
ROTZ	75.52		P	12:18:25.963	-0.1	117.6		5.49		TAS		0.5	0.98	m_e	mb	3.6	
TNS	77.88		P	12:18:39.416		117.6		5.49		TAS		8.4	1.20	m_e	mb	4.7	

Event 718006 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/18 15:32:42.51 -15.8760 -173.1300 33.0 24 141.93 147.85 m i ke BGR
 718012

Magnitude Err Nsta Author OrigID
 Ms 6.2 BGR 718012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	143.71		PKPbc	15:52:10.065	-0.3	7.5		3.34		TAS				m_e	
BFO	147.61		PKPbc	15:52:22.941		7.5		3.34		TAS				m_e	
BFO	147.61		L	17:02:43.480						T__	2539.7	21.60		a_e Ms	6.0
BRG	144.63		PKPbc	15:52:12.981	0.4	7.5		3.34		TAS				m_e	
BSEG	141.93		L	17:00:32.544						T__	3245.7	19.80		a_e Ms	6.1
BUG	144.52		PKPbc	15:52:12.468	-0.1	7.5		3.34		TAS				m_e	
CLL	144.31		PKPbc	15:52:11.896	-0.0	7.5		3.34		TAS				m_e	
CLL	144.31		L	16:59:58.246						T__	4628.6	19.70		a_e Ms	6.3
CLZ	144.01		PKPbc	15:52:11.007	-0.2	7.5		3.34		TAS				m_e	
FLT1	143.47		PKPbc	15:52:09.067	-0.1	7.5		3.34		TAS				m_e	
FUR	147.60		PKPbc	15:52:22.947		7.5		3.34		TAS				m_e	
FUR	147.60		L	16:59:36.682						T__	5330.2	21.20		a_e Ms	6.3
GEC2	146.65		PKPbc	15:52:19.736		7.5		3.34		TAS				m_e	
GEC2	146.65		L	17:01:51.865						T__	6464.6	20.20		a_e Ms	6.4
GRA1	146.09		PKPbc	15:52:18.370	-0.2	7.5		3.34		TAS				m_e	
GRA1	146.09		L	17:00:46.202						T__	3768.3	20.70		a_e Ms	6.2
GTTG	144.33		PKPbc	15:52:12.168	-0.2	7.5		3.34		TAS				m_e	
IBBN	143.65		PKPbc	15:52:10.382	-0.5	7.5		3.34		TAS				m_e	
KAST	144.74		PKPbc	15:52:13.280	0.0	7.5		3.34		TAS				m_e	
MOX	145.11		PKPbc	15:52:14.588	0.5	7.5		3.34		TAS				m_e	
MOX	145.11		L	17:00:09.233						T__	4422.6	20.40		a_e Ms	6.2
PLN	145.21		PKPbc	15:52:14.981	0.3	7.5		3.34		TAS				m_e	
RETH	143.17		PKPbc	15:52:08.263	0.0	7.5		3.34		TAS				m_e	
RJOB	147.85		PKPbc	15:52:23.640		7.5		3.34		TAS				m_e	
ROTZ	145.92		PKPbc	15:52:17.743	-0.2	7.5		3.34		TAS				m_e	
STU	147.14		PKPbc	15:52:21.533		7.5		3.34		TAS				m_e	
TANN	145.25		PKPbc	15:52:15.170	-0.2	7.5		3.34		TAS				m_e	
TNS	145.72		PKPbc	15:52:16.913	0.0	7.5		3.34		TAS				m_e	
TNS	145.72		L	17:00:37.530						T__	4756.2	20.00		a_e Ms	6.3
UBBA	145.05		PKPbc	15:52:14.324	0.2	7.5		3.34		TAS				m_e	
WET	146.46		PKPbc	15:52:19.508		7.5		3.34		TAS				m_e	
WET	146.46		L	16:58:55.034						T__	5451.1	21.50		a_e Ms	6.3
WLF	146.30		PKPbc	15:52:19.294	-0.0	7.5		3.34		TAS				m_e	

Event 718007 Samoa Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/18 16:03:06.10 -14.7600 -173.1100 33.0 143.95 144.98 m i ke NEIC
 718046

Magnitude Err Nsta Author OrigID
 Ms 5.7 BGR 718013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.98		PKPbc	16:22:46.517		7.3		2.97		TAS				m_e	
GRA1	144.98		L	17:30:23.541						T__		1289.3	18.90	a_e Ms	5.7
UBBA	143.95		L	17:29:04.979						T__		1094.0	18.90	a_e Ms	5.7

Event 718008 Fiji Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/18 19:38:37.50 -21.2400 -179.0400 608.0 147.96 152.33 m i ke NEIC
 718047

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.33		PKPbc	19:57:25.848		20.5		2.42		TAS				m_e	
BFO	152.33		PKPab	19:57:38.391		18.5		4.19		TAS				m_e	
BRG	148.72		PKPbc	19:57:17.352		20.5		2.42		TAS				m_e	
BRG	148.72		PKPab	19:57:23.507		18.5		4.19		TAS				m_e	
CLL	148.55		PKPbc	19:57:16.849		20.5		2.42		TAS				m_e	
CLL	148.55		PKPab	19:57:22.690		18.5		4.19		TAS				m_e	
CLZ	148.59		PKPbc	19:57:17.235		20.5		2.42		TAS				m_e	
FLT1	147.96		PKPbc	19:57:15.096		20.5		2.42		TAS				m_e	
GEC2	150.63		PKPbc	19:57:21.847		20.5		2.42		TAS				m_e	
GEC2	150.63		PKPab	19:57:31.334		18.5		4.19		TAS				m_e	
GRA1	150.46		PKPab	19:57:31.145		18.5		4.19		TAS				m_e	
GTTG	148.94		PKPab	19:57:24.640		18.5		4.19		TAS				m_e	
IBBN	148.54		PKPab	19:57:22.590		18.5		4.19		TAS				m_e	
KAST	149.53		PKPbc	19:57:19.294		20.5		2.42		TAS				m_e	
KAST	149.53		PKPab	19:57:26.487		18.5		4.19		TAS				m_e	
MOX	149.48		PKPbc	19:57:18.976		20.5		2.42		TAS				m_e	
MOX	149.48		PKPab	19:57:26.547		18.5		4.19		TAS				m_e	
PLN	149.51		PKPbc	19:57:19.277		20.5		2.42		TAS				m_e	
RJOB	151.89		PKPab	19:57:37.704		18.5		4.19		TAS				m_e	
ROTZ	150.17		PKPbc	19:57:20.677		20.5		2.42		TAS				m_e	
ROTZ	150.17		PKPab	19:57:29.863		18.5		4.19		TAS				m_e	
TANN	149.50		PKPbc	19:57:19.291		20.5		2.42		TAS				m_e	
TANN	149.50		PKPab	19:57:26.788		18.5		4.19		TAS				m_e	

TNS	150.48	PKPbc	19:57:21.747	20.5	2.42	TAS	m_e
TNS	150.48	PKPab	19:57:30.977	18.5	4.19	TAS	m_e
WET	150.58	PKPab	19:57:31.305	18.5	4.19	TAS	m_e
WLF	151.34	PKPbc	19:57:24.304	20.5	2.42	TAS	m_e
WLF	151.34	PKPab	19:57:34.769	18.5	4.19	TAS	m_e

Event 718009 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/18	21:14:42.88			35.1600	70.8040				33.0					44.50	47.18	m i ke	BGR
	718015																

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	718015
Ms	3.4		BGR	718015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	47.18		L	21:42:13.771						T__		43.4	18.50	a_e Ms	3.5
BSEG	45.49		L	21:45:28.898						T__		31.6	18.60	a_e Ms	3.3
CLZ	45.54		P	21:22:57.918		95.1		7.12		TAS		9.3	1.53	m_e mb	4.6
FLT1	44.98		P	21:22:52.840		95.1		7.12		TAS		3.4	0.83	m_e mb	4.3
GOR1	44.92		P	21:22:54.381		95.1		7.12		TAS		27.0	1.92	m_e mb	4.8
GRA1	45.14		P	21:22:55.335		95.1		7.12		TAS		6.1	1.26	m_e mb	4.4
GRA1	45.14		L	21:45:51.204						T__		43.4	20.80	a_e Ms	3.4
MOX	44.82		P	21:22:52.661		95.1		7.12		TAS		8.4	1.63	m_e mb	4.4
MOX	44.82		L	21:39:14.335						T__		49.0	22.00	a_e Ms	3.4
NEUB	44.70		P	21:22:51.189		95.1		7.12		TAS		5.4	0.91	m_e mb	4.5
ROTZ	44.50		P	21:22:50.344		95.1		7.12		TAS		0.5	1.04	m_e mb	3.4

Event 719002 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	02:15:13.00			-10.8500	93.7000				10.0				8	91.59	95.23	m i ke	EMSC
	719034																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	719008
Ms	4.6		BGR	719008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	94.95		L	03:14:02.262						T__		204.8	18.10	a_e Ms	4.6
BRG	91.95		P	02:28:22.101	0.1	102.7		4.25		TAS		1.5	0.60	m_e mb	4.5
BSEG	94.81		L	03:13:04.124						T__		130.9	20.70	a_e Ms	4.4

CLL	92.63	P	02:28:24.659	-0.0	102.7	4.25	TAS	3.9	1.03	m_e	mb	4.8
CLL	92.63	L	03:12:38.292				T__	175.8	21.60	a_e	Ms	4.5
FUR	92.99	L	03:15:05.916				T__	273.4	18.10	a_e	Ms	4.8
GEC2	91.59	P	02:28:20.251	-0.1	102.7	4.25	TAS	12.0	1.08	m_e	mb	5.2
GEC2	91.59	L	03:14:11.547				T__	220.3	19.80	a_e	Ms	4.6
GRA1	93.37	P	02:28:27.887		102.7	4.25	TAS	3.0	1.02	m_e	mb	4.7
GRA1	93.37	L	03:15:16.582				T__	255.8	18.70	a_e	Ms	4.7
MOX	93.33	P	02:28:27.788		102.7	4.25	TAS	3.7	1.08	m_e	mb	4.7
MOX	93.33	L	03:11:03.942				T__	189.2	20.50	a_e	Ms	4.5
NEUB	93.36	P	02:28:28.026		102.7	4.25	TAS	3.5	0.70	m_e	mb	4.9
RJOB	91.90	P	02:28:21.639	0.0	102.7	4.25	TAS	3.2	0.96	m_e	mb	4.6
TNS	95.23	L	03:14:34.822				T__	202.2	19.20	a_e	Ms	4.6
WET	92.19	P	02:28:22.984	0.1	102.7	4.25	TAS	8.5	1.07	m_e	mb	5.0
WET	92.19	L	03:10:49.938				T__	211.8	20.60	a_e	Ms	4.6

Event 719003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	02:47:54.80			-13.2500	167.0000				174.0					135.43	139.18	m i ke	EMSC
	719035																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.1		BGR	719009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	135.43		PKPdf	03:06:53.951		37.1		1.43		TAS					m_e	
BUG	138.53		PKPdf	03:06:59.326		37.1		1.43		TAS					m_e	
CLL	136.60		PKPdf	03:06:55.966		37.1		1.43		TAS					m_e	
CLZ	137.15		PKPdf	03:06:57.112		37.1		1.43		TAS					m_e	
FLT1	136.44		PKPdf	03:06:55.302		37.1		1.43		TAS					m_e	
GEC2	138.21		PKPdf	03:06:59.030		37.1		1.43		TAS					m_e	
GOR1	135.88		PKPdf	03:06:54.803		37.1		1.43		TAS					m_e	
GRA1	138.58		PKPdf	03:06:59.654		37.1		1.43		TAS					m_e	
GRA1	138.58		L	04:21:36.335						T__		34.6	22.00	a_e	Ms	4.0
GRB4	138.62		PKPdf	03:06:58.645		37.1		1.43		TAS					m_e	
IBBN	137.63		PKPdf	03:06:57.743		37.1		1.43		TAS					m_e	
KAST	138.36		PKPdf	03:06:59.134		37.1		1.43		TAS					m_e	
MOX	137.67		L	04:11:14.254						T__		39.6	18.80	a_e	Ms	4.2
PLN	137.58		PKPdf	03:06:57.946		37.1		1.43		TAS					m_e	
RETH	136.75		PKPdf	03:06:56.207		37.1		1.43		TAS					m_e	
ROTZ	138.13		PKPdf	03:06:58.623		37.1		1.43		TAS					m_e	
TANN	137.52		PKPdf	03:06:57.673		37.1		1.43		TAS					m_e	
TNS	139.18		PKPdf	03:07:00.857		37.1		1.43		TAS					m_e	
WET	138.34		PKPdf	03:06:59.134		37.1		1.43		TAS					m_e	

Event 719004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	07:44:46.90			44.9130	148.1550				33.0			20		75.17	80.69	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	719010
Ms	3.5		BGR	719010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.63		P	07:56:32.534	0.3	29.6		5.53		TAS		5.9	1.02	m_e mb	4.7
BFO	80.69		P	07:56:54.551		29.6		5.53		TAS		36.1	2.25	m_e mb	5.0
BRG	76.68		P	07:56:32.647	0.3	29.6		5.53		TAS		8.7	1.33	m_e mb	4.7
BSEG	75.17		P	07:56:24.474	0.1	29.6		5.53		TAS		7.2	1.06	m_e mb	4.6
BUG	78.25		P	07:56:41.382	0.1	29.6		5.53		TAS		10.2	1.10	m_e mb	4.9
CLL	76.61		P	07:56:32.042	-0.2	29.6		5.53		TAS		12.7	0.82	m_e mb	5.1
CLZ	76.98		P	07:56:34.876	-0.1	29.6		5.53		TAS		6.5	0.88	m_e mb	4.8
FLT1	76.29		P	07:56:30.165	0.4	29.6		5.53		TAS		12.2	0.92	m_e mb	5.0
GEC2	78.49		P	07:56:42.986		29.6		5.53		TAS		1.4	0.66	m_e mb	4.2
GOR1	75.69		P	07:56:27.662	-0.1	29.6		5.53		TAS		17.2	1.15	m_e mb	5.1
GRA1	78.58		P	07:56:43.783		29.6		5.53		TAS		7.9	0.69	m_e mb	4.8
GRA1	78.58		L	08:26:04.777						T__		23.8	21.10	a_e Ms	3.5
GTTG	77.36		P	07:56:36.876	-0.5	29.6		5.53		TAS		7.0	0.80	m_e mb	4.8
IBBN	77.34		P	07:56:36.504	-0.1	29.6		5.53		TAS		7.2	0.83	m_e mb	4.8
KAST	78.12		P	07:56:40.884	-0.2	29.6		5.53		TAS		5.2	1.00	m_e mb	4.6
MOX	77.63		P	07:56:37.904	0.3	29.6		5.53		TAS		6.1	1.03	m_e mb	4.7
MOX	77.63		L	08:38:47.880						T__		23.8	19.10	a_e Ms	3.5
PLN	77.59		P	07:56:38.042	0.1	29.6		5.53		TAS		1.3	0.95	m_e mb	4.0
RETH	76.49		P	07:56:31.881	0.1	29.6		5.53		TAS		13.1	1.09	m_e mb	5.0
ROTZ	78.20		P	07:56:41.615		29.6		5.53		TAS		1.7	1.23	m_e mb	4.0
RUE	75.36		P	07:56:25.483	-0.5	29.6		5.53		TAS		12.5	0.57	m_e mb	5.1
WET	78.51		P	07:56:43.387		29.6		5.53		TAS		8.0	1.28	m_e mb	4.6

Event 719005 Eastern Xizang-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	10:15:49.86			29.5220	94.5170				33.0			24		61.98	67.12	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	719011
Ms	3.5		BGR	719011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	66.18		P	10:26:33.283		74.4		6.59		TAS		13.0	1.17	m_e	mb	5.0
BRG	61.98		P	10:26:05.556	0.4	74.4		6.59		TAS		7.1	0.99	m_e	mb	4.8
BSEG	63.42		P	10:26:15.446	-0.1	74.4		6.59		TAS		8.2	0.99	m_e	mb	4.8
BUG	65.89		P	10:26:31.496	-0.1	74.4		6.59		TAS		10.2	1.01	m_e	mb	5.0
CLL	62.46		L	10:56:36.011						T__		34.8	20.90	a_e	Ms	3.5
CLZ	63.92		P	10:26:18.647	-0.3	74.4		6.59		TAS		20.3	1.09	m_e	mb	5.3
FLT1	63.28		P	10:26:13.553	0.1	74.4		6.59		TAS		10.5	1.13	m_e	mb	4.9
FUR	64.35		P	10:26:22.135		74.4		6.59		TAS		46.1	1.14	m_e	mb	5.6
GEC2	62.62		P	10:26:09.940		74.4		6.59		TAS		10.8	1.01	m_e	mb	4.9
GOR1	63.08		P	10:26:13.046	0.4	74.4		6.59		TAS		15.4	1.09	m_e	mb	5.0
GRA1	63.97		P	10:26:19.154	0.4	74.4		6.59		TAS		21.7	1.36	m_e	mb	5.2
GRA1	63.97		L	10:55:54.110						T__		34.0	20.20	a_e	Ms	3.5
GTTG	64.24		P	10:26:20.650	-0.3	74.4		6.59		TAS		6.9	0.57	m_e	mb	5.1
IBBN	65.34		P	10:26:28.110	0.0	74.4		6.59		TAS		11.6	1.09	m_e	mb	5.0
KAST	65.27		P	10:26:27.468	-0.2	74.4		6.59		TAS		7.9	1.42	m_e	mb	4.7
MOX	63.47		P	10:26:15.527	0.2	74.4		6.59		TAS		7.4	1.21	m_e	mb	4.7
MOX	63.47		L	10:55:05.561						T__		27.8	20.10	a_e	Ms	3.4
NEUB	63.24		P	10:26:13.804	-1.1	74.4		6.59		TAS		7.9	0.67	m_e	mb	5.0
PLN	63.18		P	10:26:13.519	-0.1	74.4		6.59		TAS		2.9	1.21	m_e	mb	4.3
RETH	64.28		P	10:26:20.631	-0.7	74.4		6.59		TAS		17.1	1.65	m_e	mb	5.0
RJOB	63.49		P	10:26:16.101		74.4		6.59		TAS		5.4	0.98	m_e	mb	4.6
ROTZ	63.33		P	10:26:15.139	-0.3	74.4		6.59		TAS		5.1	1.17	m_e	mb	4.5
STU	65.50		P	10:26:29.207		74.4		6.59		TAS		33.7	0.87	m_e	mb	5.6
TANN	63.01		P	10:26:12.394	-0.1	74.4		6.59		TAS		10.7	1.25	m_e	mb	4.8
TNS	65.54		P	10:26:28.176	0.1	74.4		6.59		TAS		9.0	1.08	m_e	mb	4.9
WET	63.07		P	10:26:12.874		74.4		6.59		TAS		12.3	1.33	m_e	mb	4.9
WET	63.07		L	10:55:26.573						T__		26.3	21.40	a_e	Ms	3.4
WLF	67.12		P	10:26:39.789	0.7	74.4		6.59		TAS		30.7	1.07	m_e	mb	5.5

Event 719006 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	12:01:33.88		37.2640	141.7210					30.0			14		79.97	85.22	m i ke	BGR
	719012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	719012
Ms	3.7		BGR	719012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.22		P	12:14:04.979		37.6		5.19		TAS		5.3	0.81	m_e	mb	4.8
BFO	85.22		L	12:59:44.652						T__		26.8	18.30	a_e	Ms	3.7
BRG	80.98		P	12:13:43.324		37.6		5.19		TAS		4.1	1.04	m_e	mb	4.4
BSEG	79.97		P	12:13:38.245	-0.4	37.6		5.19		TAS		2.9	0.94	m_e	mb	4.2
BSEG	79.97		L	12:54:29.533						T__		14.6	22.00	a_e	Ms	3.3

CLL	81.02	P	12:13:43.286	-0.5	37.6	5.19	TAS	5.6	0.87	m_e	mb	4.6
CLL	81.02	L	12:56:43.731				T__	34.9	20.30	a_e	Ms	3.7
CLZ	81.61	P	12:13:46.919	0.7	37.6	5.19	TAS	10.6	1.34	m_e	mb	4.8
FLT1	80.90	P	12:13:42.562	-0.1	37.6	5.19	TAS	6.2	0.83	m_e	mb	4.7
FUR	84.18	L	12:58:36.599				T__	34.9	18.40	a_e	Ms	3.8
GEC2	82.65	P	12:13:51.848		37.6	5.19	TAS	2.2	0.81	m_e	mb	4.4
GRA1	82.99	P	12:13:54.548		37.6	5.19	TAS	9.0	0.92	m_e	mb	5.0
GRA1	82.99	sP	12:14:06.755				T__			m_e		
GRA1	82.99	L	12:54:39.017				T__	39.2	18.30	a_e	Ms	3.8
MOX	82.09	P	12:13:49.076		37.6	5.19	TAS	2.2	0.77	m_e	mb	4.4
MOX	82.09	L	12:56:09.901				T__	37.4	20.50	a_e	Ms	3.7
RETH	81.27	P	12:13:44.970	-0.3	37.6	5.19	TAS	5.4	1.01	m_e	mb	4.5
RJOB	83.89	P	12:13:58.672		37.6	5.19	TAS	2.1	1.04	m_e	mb	4.3
ROTZ	82.54	P	12:13:51.931		37.6	5.19	TAS	2.0	1.41	m_e	mb	4.2
TANN	81.93	P	12:13:48.235		37.6	5.19	TAS	1.4	0.88	m_e	mb	4.1
TNS	83.64	L	12:57:00.741				T__	29.9	19.60	a_e	Ms	3.7
WET	82.76	P	12:13:52.638		37.6	5.19	TAS	1.9	0.85	m_e	mb	4.3
WET	82.76	L	12:54:12.388				T__	57.4	18.90	a_e	Ms	4.0

Event 719007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	17:04:04.58			-20.7090	-177.3710				33.0					149.29	150.28	m i ke	IDCSEL3
	719045																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	719013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	150.28		PKP	17:24:09.619		16.4		2.79		TAS				m_e		
GRA1	150.28		L	18:34:40.468						T__	33.0	19.40		a_e	Ms	4.1
MOX	149.29		L	18:32:13.844						T__	52.2	19.40		a_e	Ms	4.3

Event 719008 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	18:02:51.70			37.2270	141.3170				33.0				12	79.85	85.10	m i ke	BGR
	719014																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	719014
Ms	4.0		BGR	719014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.10		P	18:15:22.791		37.9		5.20		TAS		8.6	1.25	m_e	mb	4.8
BFO	85.10		L	18:58:54.676						T__		54.7	18.70	a_e	Ms	4.0
BRG	80.85		P	18:15:01.251	0.4	37.9		5.20		TAS		2.6	0.96	m_e	mb	4.2
BSEG	79.85		P	18:14:55.964	0.0	37.9		5.20		TAS		3.9	1.05	m_e	mb	4.3
BSEG	79.85		L	18:51:30.928						T__		42.6	20.40	a_e	Ms	3.8
CLL	80.89		P	18:15:01.223	-0.1	37.9		5.20		TAS		5.0	1.06	m_e	mb	4.5
CLL	80.89		L	18:54:16.418						T__		70.8	18.70	a_e	Ms	4.0
FLT1	80.78		P	18:15:00.289	0.2	37.9		5.20		TAS		7.3	1.22	m_e	mb	4.6
FUR	84.05		P	18:15:18.292		37.9		5.20		TAS		8.1	0.46	m_e	mb	5.2
FUR	84.05		L	18:56:17.080						T__		127.3	18.30	a_e	Ms	4.3
GEC2	82.51		P	18:15:09.749		37.9		5.20		TAS		2.5	1.19	m_e	mb	4.3
GRA1	82.87		P	18:15:11.700		37.9		5.20		TAS		7.8	1.05	m_e	mb	4.9
GRA1	82.87		L	18:57:03.348						T__		50.8	19.20	a_e	Ms	3.9
IBBN	82.08		P	18:15:07.797		37.9		5.20		TAS		8.9	1.09	m_e	mb	4.8
MOX	81.96		L	18:56:55.305						T__		55.4	18.10	a_e	Ms	4.0
RETH	81.16		P	18:15:03.275	0.1	37.9		5.20		TAS		15.1	1.54	m_e	mb	4.8
ROTZ	82.41		P	18:15:09.742		37.9		5.20		TAS		1.2	1.43	m_e	mb	3.8
TNS	83.52		L	18:56:30.008						T__		70.0	20.30	a_e	Ms	4.0
WET	82.62		P	18:15:10.585		37.9		5.20		TAS		3.0	1.26	m_e	mb	4.4
WET	82.62		L	18:55:24.459						T__		120.6	18.30	a_e	Ms	4.3

Event 719009 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	23:36:14.10			64.2180	-22.9190				33.0			25		19.69	25.42	m i ke	BGR
	719015																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	719015
Ms	3.7		BGR	719015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	21.15		P	23:40:55.604	-0.8	321.6		10.02		TAS		39.4	1.45	m_e	mb	4.5
BFO	23.18		P	23:41:17.173		321.6		10.02		TAS		30.8	1.13	m_e	mb	4.7
BFO	23.18		L	23:49:25.222						T__		314.4	21.20	a_e	Ms	3.7
BRG	23.44		P	23:41:19.236	0.8	321.6		10.02		TAS		22.1	1.13	m_e	mb	4.6
BSEG	19.69		P	23:40:41.862	-1.3	321.6		10.02		TAS		6.3	0.81	m_e	mb	3.9
BSEG	19.69		L	23:47:54.025						T__		134.9	18.50	a_e	Ms	3.3
BUG	20.29		P	23:40:48.097	0.3	321.6		10.02		TAS		40.1	1.33	m_e	mb	4.5
CLL	22.73		P	23:41:13.537	-0.2	321.6		10.02		TAS		31.7	1.56	m_e	mb	4.6
CLL	22.73		L	23:49:38.455						T__		244.6	21.70	a_e	Ms	3.6
CLZ	21.24		P	23:40:56.711	-0.0	321.6		10.02		TAS		12.5	1.11	m_e	mb	4.2
FLT1	21.23		P	23:40:56.653	-0.9	321.6		10.02		TAS		9.7	0.86	m_e	mb	4.2
FUR	24.47		L	23:51:19.233						T__		492.4	18.50	a_e	Ms	4.0
GEC2	24.91		L	23:50:55.791						T__		248.2	21.20	a_e	Ms	3.7

GOR1	20.78	P	23:40:52.343	1.3	321.6	10.02	TAS	21.0	1.13	m_e	mb	4.4
GRA1	23.23	P	23:41:17.954	1.0	321.6	10.02	TAS	19.5	0.99	m_e	mb	4.6
GRA1	23.23	L	23:49:41.158				T__	162.1	21.40	a_e	Ms	3.5
GTTG	21.29	P	23:40:57.443	1.6	321.6	10.02	TAS	13.9	0.87	m_e	mb	4.3
IBBN	19.82	P	23:40:44.141	-0.9	321.6	10.02	TAS	45.9	1.63	m_e	mb	4.5
KAST	20.93	P	23:40:54.987	0.2	321.6	10.02	TAS	14.3	0.94	m_e	mb	4.3
MOX	22.65	P	23:41:12.668	-0.5	321.6	10.02	TAS	23.2	1.14	m_e	mb	4.6
MOX	22.65	L	23:50:29.072				T__	300.8	18.80	a_e	Ms	3.8
NEUB	22.30	P	23:41:07.889	-0.9	321.6	10.02	TAS	39.3	0.83	m_e	mb	4.9
PLN	23.00	P	23:41:15.031	0.8	321.6	10.02	TAS	5.3	0.80	m_e	mb	4.1
RETH	20.15	P	23:40:45.442	0.5	321.6	10.02	TAS	12.4	1.08	m_e	mb	4.1
RJOB	25.42	P	23:41:39.198		321.6	10.02	TAS	18.6	0.79	a_e	mb	4.9
ROTZ	23.57	P	23:41:20.751	-0.7	321.6	10.02	TAS	14.7	1.94	m_e	mb	4.2
RUE	22.19	P	23:41:06.730	-0.5	321.6	10.02	TAS	27.2	1.14	m_e	mb	4.6
STU	23.16	P	23:41:16.973		321.6	10.02	TAS	101.1	1.10	m_e	mb	5.3
TANN	23.18	P	23:41:16.516	-0.4	321.6	10.02	TAS	32.8	1.31	m_e	mb	4.7
TNS	21.71	P	23:41:03.023	0.1	321.6	10.02	TAS	25.3	0.89	m_e	mb	4.7
TNS	21.71	L	23:49:35.852				T__	667.8	18.70	a_e	Ms	4.1
UBBA	21.86	P	23:41:03.129	-0.2	321.6	10.02	TAS	14.2	1.18	m_e	mb	4.3
WET	24.33	P	23:41:28.119	-0.5	321.6	10.02	TAS	10.6	0.78	m_e	mb	4.4
WET	24.33	L	23:50:37.672				T__	228.9	20.60	a_e	Ms	3.6

Event 719010 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/19	23:36:50.80			30.9250	93.7240				33.0			21		60.51	65.65	m i ke	BGR
	719016																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	719016
Ms	3.6		BGR	719016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	62.18		P	23:47:07.178	-0.3	73.8		6.70		TAS		5.5	1.39	m_e	mb	4.6
BFO	64.73		P	23:47:24.061		73.8		6.70		TAS		7.0	1.13	m_e	mb	4.8
BFO	64.73		L	00:21:32.111						T__		37.1	20.30	a_e	Ms	3.6
BRG	60.51		P	23:46:56.321	0.1	73.8		6.70		TAS		4.9	0.96	m_e	mb	4.3
BSEG	61.92		L	00:18:47.707						T__		23.1	20.50	a_e	Ms	3.3
BUG	64.40		P	23:47:22.286	0.7	73.8		6.70		TAS		8.8	1.09	m_e	mb	4.9
CLL	60.98		L	00:20:19.162						T__		48.5	20.10	a_e	Ms	3.6
CLZ	62.43		P	23:47:09.395	0.2	73.8		6.70		TAS		11.6	1.07	m_e	mb	5.0
FLT1	61.79		P	23:47:04.205	0.2	73.8		6.70		TAS		12.3	1.39	m_e	mb	5.0
FUR	62.91		P	23:47:12.731		73.8		6.70		TAS		16.3	0.89	m_e	mb	5.2
FUR	62.91		L	00:22:00.826						T__		47.8	21.60	a_e	Ms	3.6
GEC2	61.17		P	23:47:00.987		73.8		6.70		TAS		18.3	1.48	m_e	mb	4.7
GRA1	62.50		P	23:47:10.344		73.8		6.70		TAS		9.1	1.05	m_e	mb	4.8

GRA1	62.50	L	00:20:05.942						T__	38.9	20.90	a_e	Ms	3.5
GTTG	62.76	P	23:47:11.935	0.3	73.8	6.70			TAS	19.9	1.63	m_e	mb	5.0
KAST	63.79	P	23:47:19.163	-0.3	73.8	6.70			TAS	13.3	1.64	m_e	mb	4.9
MOX	62.00	P	23:47:06.297	0.0	73.8	6.70			TAS	6.4	1.29	m_e	mb	4.7
MOX	62.00	L	00:20:57.104						T__	45.2	19.00	a_e	Ms	3.6
PLN	61.71	P	23:47:04.838	-0.8	73.8	6.70			TAS	1.9	1.19	m_e	mb	4.2
RJOB	62.05	P	23:47:06.722		73.8	6.70			TAS	17.1	1.99	m_e	mb	4.9
ROTZ	61.87	P	23:47:05.564		73.8	6.70			TAS	3.1	1.09	m_e	mb	4.5
STU	64.05	P	23:47:20.299		73.8	6.70			TAS	25.2	1.02	m_e	mb	5.4
TANN	61.54	P	23:47:03.839	0.1	73.8	6.70			TAS	4.7	1.00	m_e	mb	4.7
TNS	64.06	P	23:47:21.053	-0.1	73.8	6.70			TAS	8.7	1.20	m_e	mb	4.9
TNS	64.06	L	00:21:23.242						T__	65.4	19.40	a_e	Ms	3.8
UBBA	62.94	P	23:47:13.059	0.0	73.8	6.70			TAS	11.8	1.70	m_e	mb	4.7
WET	61.61	P	23:47:04.035		73.8	6.70			TAS	14.7	1.52	m_e	mb	5.0
WET	61.61	L	00:22:45.188						T__	49.0	18.30	a_e	Ms	3.7
WLF	65.65	P	23:47:30.631		73.8	6.70			TAS	25.5	1.23	m_e	mb	5.3

Event 720001 Off coast of northern Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/20	01:50:11.50			-8.3500	-80.0400				40.0			4		93.84	98.93	m i ke	EMSC
	720033																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	720007
Ms	4.5		BGR	720007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	96.96		P	02:03:37.087		265.5		4.16		TAS		7.0	1.36	m_e	mb	5.1
BRG	98.93		Pdiff	02:03:48.058						T__				m_e		
BSEG	96.89		P	02:03:38.865		265.5		4.16		TAS		3.2	0.86	m_e	mb	5.0
BUG	94.79		P	02:03:29.000		265.5		4.16		TAS		11.3	1.18	m_e	mb	5.2
CLL	98.35		Pdiff	02:03:45.430						T__				m_e		
CLZ	96.75		P	02:03:38.025		265.5		4.16		TAS		9.6	1.39	m_e	mb	5.2
FLT1	97.32		P	02:03:40.756		265.5		4.16		TAS		6.9	1.18	m_e	mb	5.2
GEC2	98.68		Pdiff	02:03:46.337						T__				m_e		
GRA1	97.11		L	02:47:18.040						T__		176.1	18.40	a_e	Ms	4.6
GTTG	96.47		P	02:03:36.863		265.5		4.16		TAS		4.6	1.02	m_e	mb	5.0
IBBN	95.19		P	02:03:30.923		265.5		4.16		TAS		26.6	1.49	m_e	mb	5.5
MOX	97.44		P	02:03:41.103		265.5		4.16		TAS		6.0	1.53	m_e	mb	5.0
MOX	97.44		L	02:46:16.944						T__		149.2	20.90	a_e	Ms	4.5
RETH	96.21		P	02:03:35.883		265.5		4.16		TAS		19.3	1.45	m_e	mb	5.4
ROTZ	97.76		P	02:03:42.735		265.5		4.16		TAS		1.2	1.22	m_e	mb	4.5
TANN	97.96		P	02:03:43.820		265.5		4.16		TAS		6.3	1.18	m_e	mb	5.2
WET	98.16		Pdiff	02:03:44.571						T__				m_e		
WLF	93.84		P	02:03:24.537		265.5		4.16		TAS		6.9	0.95	m_e	mb	5.0

```

Event 720002 Mongolia
Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author
OrigID
2020/07/20 01:59:52.83      44.0990  98.8730      33.0      22      54.77  59.21 m i ke BGR
720008
    
```

```

Magnitude  Err Nsta Author      OrigID
mb 4.6      BGR      720008
Ms 4.1      BGR      720008
    
```

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	59.21		P	02:09:48.478		59.2		7.11		TAS		3.2	0.87	m_e	mb	4.4
BFO	59.21		L	02:38:01.014						T__		121.0	21.40	a_e	Ms	4.0
BRG	54.77		P	02:09:17.543	0.2	59.2		7.11		TAS		6.1	0.90	m_e	mb	4.6
BSEG	55.25		P	02:09:21.505	0.3	59.2		7.11		TAS		5.2	0.85	m_e	mb	4.6
BSEG	55.25		L	02:34:36.965						T__		205.4	19.10	a_e	Ms	4.2
BUG	58.11		P	02:09:41.542	-0.2	59.2		7.11		TAS		10.7	0.86	m_e	mb	4.9
CLL	55.08		P	02:09:19.711	-0.5	59.2		7.11		TAS		7.9	0.74	m_e	mb	4.8
CLL	55.08		L	02:34:19.825						T__		159.0	18.60	a_e	Ms	4.1
CLZ	56.25		P	02:09:28.590	-0.3	59.2		7.11		TAS				m_e		
FLT1	55.54		P	02:09:22.204	-0.4	59.2		7.11		TAS		7.9	0.78	m_e	mb	4.8
FUR	57.63		P	02:09:38.717		59.2		7.11		TAS		16.9	0.90	m_e	mb	5.1
FUR	57.63		L	02:35:37.472						T__		157.5	18.10	a_e	Ms	4.2
GEC2	55.90		P	02:09:25.989		59.2		7.11		TAS		3.0	0.87	m_e	mb	4.3
GEC2	55.90		L	02:34:32.890						T__		172.5	20.20	a_e	Ms	4.1
GRA1	56.87		P	02:09:33.138		59.2		7.11		TAS		15.1	0.80	m_e	mb	5.1
GRA1	56.87		L	02:36:31.272						T__		103.1	19.50	a_e	Ms	3.9
GTTG	56.62		P	02:09:31.461	-0.4	59.2		7.11		TAS		15.0	0.69	a_e	mb	5.1
IBBN	57.40		P	02:09:36.497	0.2	59.2		7.11		TAS		9.2	0.84	m_e	mb	4.8
KAST	57.63		P	02:09:37.916	-0.1	59.2		7.11		TAS		4.6	0.83	m_e	mb	4.5
MOX	56.17		P	02:09:27.615	0.2	59.2		7.11		TAS		4.7	0.86	m_e	mb	4.5
MOX	56.17		L	02:35:59.138						T__		86.4	21.90	a_e	Ms	3.8
NEUB	55.81		P	02:09:24.955	-0.2	59.2		7.11		TAS		9.3	0.80	m_e	mb	4.9
PLN	55.95		P	02:09:25.763	0.1	59.2		7.11		TAS		1.5	0.91	m_e	mb	4.0
RETH	56.34		P	02:09:28.461	0.3	59.2		7.11		TAS		11.7	1.26	m_e	mb	4.8
RJOB	56.98		P	02:09:34.155		59.2		7.11		TAS		4.9	0.87	m_e	mb	4.5
ROTZ	56.28		P	02:09:28.914	0.7	59.2		7.11		TAS		1.0	0.79	m_e	mb	3.9
TANN	55.82		P	02:09:25.310	-1.0	59.2		7.11		TAS		4.3	1.07	m_e	mb	4.4
TNS	58.13		P	02:09:41.505	0.5	59.2		7.11		TAS		8.1	1.25	m_e	mb	4.6
TNS	58.13		L	02:36:05.372						T__		155.0	20.10	a_e	Ms	4.1
WET	56.22		P	02:09:28.355		59.2		7.11		TAS		5.8	0.80	m_e	mb	4.7
WET	56.22		L	02:34:43.510						T__		208.2	18.40	a_e	Ms	4.3

Event 720003 Southwestern Ryukyu Islands, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/20 05:25:06.64 24.1980 125.1750 26.5 21 83.93 88.37 m i ke BGR
 720009

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 720009
 Ms 4.8 BGR 720009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	84.98		P	05:37:39.674	-0.2	56.7		4.95		TAS		12.1	1.10	m_e	mb	5.0
ASSE	84.98		sP	05:37:50.856						T__				m_e		
BFO	88.37		P	05:37:55.472		56.7		4.95		TAS		2.7	1.05	m_e	mb	4.5
BRG	83.93		P	05:37:34.848	1.9	56.7		4.95		TAS		5.7	1.06	m_e	mb	4.7
BSEG	84.16		P	05:37:35.713	-0.3	56.7		4.95		TAS		14.4	1.54	m_e	mb	5.0
BUG	87.11		P	05:37:49.874	0.4	56.7		4.95		TAS		8.6	0.54	a_e	mb	5.1
BUG	87.11		sP	05:38:01.022						T__				m_e		
CLL	84.20		P	05:37:35.700	-0.8	56.7		4.95		TAS		6.2	0.94	m_e	mb	4.8
CLL	84.20		sP	05:37:45.421						T__				m_e		
CLZ	85.30		P	05:37:41.136	-0.1	56.7		4.95		TAS		31.4	1.09	m_e	mb	5.5
CLZ	85.30		sP	05:37:52.172						T__				m_e		
FLT1	84.58		P	05:37:37.598	-0.1	56.7		4.95		TAS		31.7	1.66	m_e	mb	5.3
FLT1	84.58		sP	05:37:47.489						T__				m_e		
GEC2	85.11		P	05:37:40.139		56.7		4.95		TAS		2.3	0.87	m_e	mb	4.4
GOR1	84.19		P	05:37:36.175	-0.4	56.7		4.95		TAS		13.7	1.06	m_e	mb	5.1
GOR1	84.19		sP	05:37:46.712						T__				m_e		
GRA1	86.03		L	06:20:31.191						T__		348.1	18.30	a_e	Ms	4.8
GTTG	85.67		P	05:37:42.940	0.2	56.7		4.95		TAS		6.3	1.02	m_e	mb	4.7
GTTG	85.67		sP	05:37:54.349						T__				m_e		
IBBN	86.36		P	05:37:45.937	-0.0	56.7		4.95		TAS		21.5	1.18	m_e	mb	5.2
IBBN	86.36		sP	05:37:57.425						T__				m_e		
KAST	86.67		P	05:37:48.168	0.2	56.7		4.95		TAS		2.2	0.74	m_e	mb	4.4
KAST	86.67		sP	05:37:58.786						T__				m_e		
MOX	85.30		P	05:37:40.417	0.1	56.7		4.95		TAS		3.7	0.86	m_e	mb	4.6
MOX	85.30		sP	05:37:51.522						T__				m_e		
MOX	85.30		L	06:20:25.887						T__		411.8	18.20	a_e	Ms	4.9
PLN	85.09		P	05:37:40.470	-0.4	56.7		4.95		TAS		0.9	0.61	m_e	mb	4.2
RETH	85.31		P	05:37:40.917	-0.0	56.7		4.95		TAS		21.7	1.59	m_e	mb	5.1
RETH	85.31		sP	05:37:51.763						T__				m_e		
RJOB	86.21		P	05:37:46.927		56.7		4.95		TAS		3.6	0.84	m_e	mb	4.5
ROTZ	85.46		P	05:37:42.105	1.1	56.7		4.95		TAS		1.5	1.20	m_e	mb	4.1
TANN	84.97		P	05:37:38.448	-0.2	56.7		4.95		TAS		2.1	0.78	m_e	mb	4.4
TNS	87.22		P	05:37:51.750	-1.0	56.7		4.95		TAS		2.9	0.74	m_e	mb	4.5
WET	85.42		P	05:37:41.422		56.7		4.95		TAS		2.5	0.98	m_e	mb	4.4

Event 720004 Iceland region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/20 06:23:27.35 63.3300 -24.1660 10.0 14 20.01 25.14 m i ke BGR
 720010

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 720010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	21.41		P	06:28:15.803	2.9	319.0		9.99		TAS		16.3	1.23	m_e	mb 4.4
BFO	23.28		L	06:37:05.421						T__		176.4	19.10	a_e	
BRG	23.74		P	06:28:37.944		319.0		9.99		TAS		14.8	1.42	m_e	mb 4.5
BSEG	20.01		L	06:35:00.317						T__		61.9	21.30	a_e	
CLL	23.02		P	06:28:34.089		319.0		9.99		TAS		13.9	1.13	m_e	mb 4.4
CLL	23.02		L	06:37:06.781						T__		117.0	21.00	a_e	
FLT1	21.52		P	06:28:17.013	-0.6	319.0		9.99		TAS		6.5	0.78	m_e	mb 4.2
FUR	24.63		L	06:38:38.313						T__		217.6	18.60	a_e	
GEC2	25.14		P	06:28:53.448		319.0		9.99		TAS		12.5	1.85	m_e	mb 4.2
GEC2	25.14		L	06:38:35.424						T__		166.2	19.00	a_e	
GOR1	21.09		P	06:28:11.354	-1.3	319.0		9.99		TAS		12.9	1.04	m_e	mb 4.3
GRA1	23.43		L	06:37:10.230						T__		94.4	20.70	a_e	
GTTG	21.52		P	06:28:15.451	-0.3	319.0		9.99		TAS		112.6	2.34	m_e	mb 5.0
KAST	21.11		P	06:28:12.827	-0.3	319.0		9.99		TAS		13.4	1.43	m_e	mb 4.2
MOX	22.89		P	06:28:30.321		319.0		9.99		TAS		6.1	1.09	m_e	mb 4.0
MOX	22.89		L	06:38:04.610						T__		130.6	19.30	a_e	
NEUB	22.56		P	06:28:25.782		319.0		9.99		TAS		60.4	1.72	m_e	mb 4.8
PLN	23.24		P	06:28:33.436		319.0		9.99		TAS		3.4	1.09	m_e	mb 4.0
ROTZ	23.80		P	06:28:39.429		319.0		9.99		TAS		1.8	1.19	m_e	mb 3.7
TANN	23.43		P	06:28:35.114		319.0		9.99		TAS		14.6	1.23	m_e	mb 4.6
TNS	21.86		P	06:28:21.755	0.3	319.0		9.99		TAS		17.7	1.37	m_e	mb 4.4
TNS	21.86		L	06:36:55.283						T__		326.7	18.10	a_e	
WET	24.56		L	06:38:08.100						T__		136.1	18.90	a_e	

Event 720005 Vanuatu Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/20 11:48:53.50 -18.9400 169.0400 161.0 143.48 146.77 m i ke EMSC
 720037

Magnitude Err Nsta Author OrigID
 Ms 4.0 BGR 720011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.77		PKPbc	12:08:16.324		38.0		3.16		TAS				m_e	

GEC2	144.14	PKPbc	12:08:08.175	38.0	3.16	TAS											m_e
GRA1	144.54	PKPbc	12:08:09.744	38.0	3.16	TAS											m_e
GRA1	144.54	L	13:14:31.412			T__					25.6	18.60	a_e	Ms		4.0	
GTTG	143.52	PKPbc	12:08:06.223	38.0	3.16	TAS											m_e
IBBN	143.62	PKPbc	12:08:06.383	38.0	3.16	TAS											m_e
KAST	144.34	PKPbc	12:08:08.745	38.0	3.16	TAS											m_e
MOX	143.63	PKPbc	12:08:06.383	38.0	3.16	TAS											m_e
MOX	143.63	L	13:17:02.337			T__					25.9	20.70	a_e	Ms		4.0	
PLN	143.54	PKPbc	12:08:06.180	38.0	3.16	TAS											m_e
RJOB	145.37	PKPbc	12:08:12.368	38.0	3.16	TAS											m_e
ROTZ	144.08	PKPbc	12:08:08.363	38.0	3.16	TAS											m_e
STU	146.08	PKPbc	12:08:14.842	38.0	3.16	TAS											m_e
TANN	143.48	PKPbc	12:08:06.156	38.0	3.16	TAS											m_e
TNS	145.16	PKPbc	12:08:11.738	38.0	3.16	TAS											m_e
UBBA	144.10	PKPbc	12:08:08.207	38.0	3.16	TAS											m_e
WET	144.28	PKPbc	12:08:08.866	38.0	3.16	TAS											m_e
WLF	146.41	PKPbc	12:08:15.895	38.0	3.16	TAS											m_e

Event 720006 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/20	19:22:08.18			32.4360	91.5240				33.0			13		58.12	63.25	m i ke	BGR
	720012																

Magnitude Err Nsta Author
mb 4.5 BGR

OrigID
720012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	58.12		P	19:31:57.531	-0.8	74.0		6.87		TAS		3.5	0.77	m_e mb	4.5
CLZ	60.04		P	19:32:10.461		74.0		6.87		TAS		4.1	0.76	m_e mb	4.5
FLT1	59.40		P	19:32:06.287	-0.1	74.0		6.87		TAS		3.3	0.93	m_e mb	4.3
FUR	60.50		P	19:32:13.719		74.0		6.87		TAS		15.4	0.73	m_e mb	4.9
GEC2	58.76		P	19:32:02.046	0.2	74.0		6.87		TAS		3.9	0.78	m_e mb	4.5
GRA1	60.11		P	19:32:11.443		74.0		6.87		TAS		6.0	0.73	m_e mb	4.7
GRA1	60.11		L	20:00:16.100						T__		25.1	18.00	a_e	
KAST	61.40		P	19:32:20.105		74.0		6.87		TAS				m_e	
MOX	59.61		P	19:32:07.334		74.0		6.87		TAS		1.6	0.82	m_e mb	4.1
MOX	59.61		L	20:01:16.372						T__		26.2	19.00	a_e	
RJOB	59.64		P	19:32:07.722		74.0		6.87		TAS		2.5	0.74	m_e mb	4.3
ROTZ	59.47		P	19:32:07.118	0.2	74.0		6.87		TAS		1.1	0.81	m_e mb	3.9
TANN	59.14		P	19:32:03.738	0.3	74.0		6.87		TAS		2.5	0.79	m_e mb	4.3
WET	59.21		P	19:32:05.182	-0.1	74.0		6.87		TAS		3.3	0.74	m_e mb	4.5
WLF	63.25		P	19:32:32.633		74.0		6.87		TAS		7.8	0.88	m_e mb	4.8

Event 721003 Samoa Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/20 23:58:41.80 -14.8000 -175.1300 44.0 140.72 146.44 m i ke NEIC
 721042

Magnitude Err Nsta Author OrigID
 Ms 4.7 BGR 721009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	146.44		L	01:17:15.418						T__		96.4	21.60	a_e	Ms 4.5
BSEG	140.72		L	01:19:22.432						T__		75.6	22.00	a_e	Ms 4.4
CLL	143.00		L	01:18:45.042						T__		163.5	21.80	a_e	Ms 4.8
FUR	146.31		L	01:23:01.031						T__		120.0	21.80	a_e	Ms 4.6
GEC2	145.28		PKPbc	00:18:26.506		10.7		2.87		TAS				m_e	
GEC2	145.28		L	01:23:14.619						T__		168.1	21.50	a_e	Ms 4.8
GRA1	144.82		PKPbc	00:18:25.022		10.7		2.87		TAS				m_e	
GRA1	144.82		L	01:19:29.104						T__		105.6	22.00	a_e	Ms 4.6
MOX	143.83		L	01:20:00.297						T__		150.3	22.00	a_e	Ms 4.7
ROTZ	144.62		PKPbc	00:18:24.267		10.7		2.87		TAS				m_e	
TNS	144.55		PKPbc	00:18:24.464		10.7		2.87		TAS				m_e	
TNS	144.55		L	01:22:14.827						T__		118.7	20.30	a_e	Ms 4.7
WET	145.13		PKPbc	00:18:26.228		10.7		2.87		TAS				m_e	
WET	145.13		L	01:23:04.308						T__		155.2	20.80	a_e	Ms 4.8
WLF	145.22		PKPbc	00:18:27.188		10.7		2.87		TAS				m_e	

Event 721004 South of Fiji Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/21 14:49:49.00 -26.0800 -177.4900 168.0 11 151.58 157.32 m i ke NEIC
 721043

Magnitude Err Nsta Author OrigID
 Ms 4.1 BGR 721010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	153.26		PKPbc	15:09:28.230	-0.2	15.5		2.14		TAS				m_e	
BFO	157.32		PKPpdf	15:09:25.024		24.1		1.20		TAS				m_e	
BFO	157.32		PKPab	15:09:57.430		15.6		4.38		TAS				m_e	
BRG	153.74		PKPpdf	15:09:20.753		24.1		1.20		TAS				m_e	
BRG	153.74		PKPab	15:09:42.404		15.6		4.38		TAS				m_e	
BSEG	151.58		PKPbc	15:09:24.321	-0.1	15.5		2.14		TAS				m_e	
BSEG	151.58		PKPab	15:09:32.644		15.6		4.38		TAS				m_e	
BUG	154.42		PKPab	15:09:44.717		15.6		4.38		TAS				m_e	
CLL	153.57		PKPbc	15:09:28.577		15.5		2.14		TAS				m_e	

CLL	153.57	PKPab	15:09:41.347		15.6	4.38	TAS										m_e
CLZ	153.59	PKPbc	15:09:28.877	-0.1	15.5	2.14	TAS										m_e
CLZ	153.59	PKPab	15:09:41.420		15.6	4.38	TAS										m_e
FLT1	152.97	PKPbc	15:09:27.107	0.0	15.5	2.14	TAS										m_e
FLT1	152.97	PKPab	15:09:38.413		15.6	4.38	TAS										m_e
FUR	156.91	PKPab	15:09:56.718		15.6	4.38	TAS										m_e
GEC2	155.65	PKPpdf	15:09:22.958		24.1	1.20	TAS										m_e
GEC2	155.65	PKPab	15:09:50.932		15.6	4.38	TAS										m_e
GOR1	152.32	PKPbc	15:09:26.149	-0.1	15.5	2.14	TAS										m_e
GRA1	155.48	PKPab	15:09:49.945		15.6	4.38	TAS										m_e
GRA1	155.48	L	16:17:38.648				T__			31.4	18.40	a_e	Ms				4.2
GTTG	153.94	PKPbc	15:09:29.463	0.1	15.5	2.14	TAS										m_e
GTTG	153.94	PKPab	15:09:43.252		15.6	4.38	TAS										m_e
IBBN	153.51	PKPbc	15:09:28.473	0.2	15.5	2.14	TAS										m_e
KAST	154.51	PKPpdf	15:09:21.633		24.1	1.20	TAS										m_e
KAST	154.51	PKPbc	15:09:30.569		15.5	2.14	TAS										m_e
KAST	154.51	PKPab	15:09:45.231		15.6	4.38	TAS										m_e
MOX	154.50	PKPpdf	15:09:21.509		24.1	1.20	TAS										m_e
MOX	154.50	PKPab	15:09:45.226		15.6	4.38	TAS										m_e
MOX	154.50	L	16:10:40.347				T__			27.6	20.10	a_e	Ms				4.1
NEUB	153.94	PKPbc	15:09:29.665		15.5	2.14	TAS										m_e
NEUB	153.94	PKPab	15:09:43.239		15.6	4.38	TAS										m_e
PLN	154.53	PKPpdf	15:09:21.763		24.1	1.20	TAS										m_e
PLN	154.53	PKPab	15:09:45.655		15.6	4.38	TAS										m_e
RETH	152.88	PKPbc	15:09:27.011	-0.3	15.5	2.14	TAS										m_e
RJOB	156.91	PKPab	15:09:56.758		15.6	4.38	TAS										m_e
ROTZ	155.19	PKPab	15:09:48.620		15.6	4.38	TAS										m_e
TANN	154.52	PKPpdf	15:09:21.595		24.1	1.20	TAS										m_e
TANN	154.52	PKPab	15:09:45.803		15.6	4.38	TAS										m_e
TNS	155.46	PKPpdf	15:09:23.775		24.1	1.20	TAS										m_e
TNS	155.46	PKPab	15:09:48.964		15.6	4.38	TAS										m_e
WET	155.60	PKPab	15:09:50.867		15.6	4.38	TAS										m_e
WLF	156.28	PKPab	15:09:53.461		15.6	4.38	TAS										m_e

Event 721005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/21	20:56:25.20			-20.8800	-178.3900				621.0			27		146.34	152.08	m i ke	EMSC
	721037																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	721011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.02		PKPpdf	21:14:58.925	0.2	18.3		1.48		TAS					m_e
ASSE	148.02		PKPbc	21:15:03.298		17.3		2.42		TAS					m_e

BFO	152.08	PKPdf	21:15:04.721		18.3	1.48	TAS			m_e	
BFO	152.08	PKPbc	21:15:12.692		17.3	2.42	TAS			m_e	
BFO	152.08	PKPab	21:15:24.854		14.3	4.19	TAS			m_e	
BRG	148.53	PKPdf	21:14:59.810	-0.0	18.3	1.48	TAS			m_e	
BRG	148.53	PKPbc	21:15:04.674		17.3	2.42	TAS			m_e	
BRG	148.53	PKPab	21:15:10.149		14.3	4.19	TAS			m_e	
BSEG	146.34	PKPdf	21:14:56.341	-0.8	18.3	1.48	TAS			m_e	
BSEG	146.34	PKPbc	21:14:58.893		17.3	2.42	TAS			m_e	
BUG	149.18	PKPdf	21:15:00.984	0.2	18.3	1.48	TAS			m_e	
BUG	149.18	PKPbc	21:15:05.996		17.3	2.42	TAS			m_e	
CLL	148.35	PKPdf	21:14:59.445	0.1	18.3	1.48	TAS			m_e	
CLL	148.35	PKPbc	21:15:04.075		17.3	2.42	TAS			m_e	
CLL	148.35	PKPab	21:15:09.538		14.3	4.19	TAS			m_e	
CLZ	148.35	PKPdf	21:14:59.737	0.0	18.3	1.48	TAS			m_e	
CLZ	148.35	PKPbc	21:15:04.441		17.3	2.42	TAS			m_e	
FLT1	147.73	PKPdf	21:14:58.169	0.2	18.3	1.48	TAS			m_e	
FLT1	147.73	PKPbc	21:15:02.296		17.3	2.42	TAS			m_e	
FLT1	147.73	PKPab	21:15:06.693		14.3	4.19	TAS			m_e	
FUR	151.69	PKPdf	21:15:04.375		18.3	1.48	TAS			m_e	
FUR	151.69	PKPbc	21:15:11.855		17.3	2.42	TAS			m_e	
FUR	151.69	PKPab	21:15:23.736		14.3	4.19	TAS			m_e	
GEC2	150.46	PKPdf	21:15:02.490	-0.0	18.3	1.48	TAS			m_e	
GEC2	150.46	PKPbc	21:15:09.189		17.3	2.42	TAS			m_e	
GOR1	147.09	PKPdf	21:14:57.730	-0.8	18.3	1.48	TAS			m_e	
GOR1	147.09	PKPbc	21:15:01.052		17.3	2.42	TAS			m_e	
GRA1	150.25	PKPdf	21:15:02.359	0.3	18.3	1.48	TAS			m_e	
GRA1	150.25	PKPbc	21:15:08.873		17.3	2.42	TAS			m_e	
GRA1	150.25	PKPab	21:15:18.141		14.3	4.19	TAS			m_e	
GRA1	150.25	L	21:52:34.436				T__	203.1	21.00	a_e Ms	4.9
GTTG	148.70	PKPdf	21:15:00.148	0.1	18.3	1.48	TAS			m_e	
GTTG	148.70	PKPbc	21:15:05.103		17.3	2.42	TAS			m_e	
GTTG	148.70	PKPab	21:15:11.333		14.3	4.19	TAS			m_e	
IBBN	148.27	PKPdf	21:14:59.394	0.3	18.3	1.48	TAS			m_e	
IBBN	148.27	PKPbc	21:15:03.912		17.3	2.42	TAS			m_e	
IBBN	148.27	PKPab	21:15:08.544		14.3	4.19	TAS			m_e	
KAST	149.27	PKPdf	21:15:00.984	-0.2	18.3	1.48	TAS			m_e	
KAST	149.27	PKPbc	21:15:06.423		17.3	2.42	TAS			m_e	
MOX	149.27	PKPdf	21:15:00.928	-0.1	18.3	1.48	TAS			m_e	
MOX	149.27	PKPbc	21:15:06.368		17.3	2.42	TAS			m_e	
MOX	149.27	L	22:01:42.666				T__	193.1	20.40	a_e Ms	4.9
NEUB	148.71	PKPdf	21:15:00.179	0.1	18.3	1.48	TAS			m_e	
NEUB	148.71	PKPbc	21:15:05.099		17.3	2.42	TAS			m_e	
NEUB	148.71	PKPab	21:15:11.022		14.3	4.19	TAS			m_e	
PLN	149.30	PKPdf	21:15:00.828	-0.3	18.3	1.48	TAS			m_e	
PLN	149.30	PKPbc	21:15:06.528		17.3	2.42	TAS			m_e	
PLN	149.30	PKPab	21:15:13.607		14.3	4.19	TAS			m_e	
RETH	147.64	PKPdf	21:14:58.243	-0.3	18.3	1.48	TAS			m_e	
RETH	147.64	PKPbc	21:15:02.326		17.3	2.42	TAS			m_e	
RJOB	151.72	PKPdf	21:15:04.165		18.3	1.48	TAS			m_e	

./bul2007.txt

Tue Feb 22 15:12:57 2022

73

RJOB	151.72	PKPbc	21:15:11.693	17.3	2.42	TAS	m_e	
RJOB	151.72	PKPab	21:15:24.174	14.3	4.19	TAS	m_e	
ROTZ	149.97	PKPdf	21:15:01.573	-0.0	18.3	1.48	TAS	m_e
ROTZ	149.97	PKPbc	21:15:08.146	17.3	2.42	TAS	m_e	
ROTZ	149.97	PKPab	21:15:16.151	14.3	4.19	TAS	m_e	
RUE	147.08	PKPdf	21:14:58.020	-0.0	18.3	1.48	TAS	m_e
RUE	147.08	PKPbc	21:15:00.853	17.3	2.42	TAS	m_e	
STU	151.51	PKPdf	21:15:04.454	-0.3	18.3	1.48	TAS	m_e
STU	151.51	PKPbc	21:15:11.740	17.3	2.42	TAS	m_e	
STU	151.51	PKPab	21:15:21.823	14.3	4.19	TAS	m_e	
TANN	149.30	PKPdf	21:15:01.088	0.5	18.3	1.48	TAS	m_e
TANN	149.30	PKPbc	21:15:06.687	17.3	2.42	TAS	m_e	
TANN	149.30	PKPab	21:15:13.696	14.3	4.19	TAS	m_e	
TNS	150.22	PKPdf	21:15:02.202	0.1	18.3	1.48	TAS	m_e
TNS	150.22	PKPbc	21:15:08.787	17.3	2.42	TAS	m_e	
TNS	150.22	PKPab	21:15:16.925	14.3	4.19	TAS	m_e	
UBBA	149.40	PKPdf	21:15:00.824	0.2	18.3	1.48	TAS	m_e
UBBA	149.40	PKPbc	21:15:06.430	17.3	2.42	TAS	m_e	
WET	150.40	PKPdf	21:15:02.490	-0.3	18.3	1.48	TAS	m_e
WET	150.40	PKPbc	21:15:09.028	17.3	2.42	TAS	m_e	
WET	150.40	PKPab	21:15:18.584	14.3	4.19	TAS	m_e	
WLF	151.05	PKPdf	21:15:04.140	-0.2	18.3	1.48	TAS	m_e
WLF	151.05	PKPbc	21:15:11.088	17.3	2.42	TAS	m_e	

Event 721006 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/21	22:37:05.10			-53.7400	140.4000				10.0					146.97	149.01	m i ke	EMSC
	721038																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.3		BGR	721012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	146.97		PKP	22:56:48.571		117.2		2.80		TAS					m_e
GRA1	148.81		PKP	22:56:58.744		117.2		2.80		TAS					m_e
GRA1	148.81		L	00:07:50.142						T__		58.9	20.40	a_e	Ms 4.4
MOX	149.01		L	00:06:57.022						T__		52.3	21.80	a_e	Ms 4.3

Event 722001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/21	23:52:16.10			-22.3600	175.8600				21.4	1.2		24		146.62	152.24	m i ke	NEIC

722040

Magnitude Err Nsta Author OrigID
Ms 4.2 BGR 722007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.16		PKPbc	00:11:59.774	0.3	29.5		2.47		TAS				a_e	
BFO	152.24		PKPbc	00:12:09.324		29.5		2.47		TAS				a_e	
BRG	148.23		PKPbc	00:12:00.024	0.3	29.5		2.47		TAS				m_e	
BSEG	146.62		PKPbc	00:11:55.524	-0.1	29.5		2.47		TAS				a_e	
CLL	148.18		PKPbc	00:11:59.733	0.1	29.5		2.47		TAS				m_e	
CLZ	148.50		PKPbc	00:12:00.924	-0.1	29.5		2.47		TAS				a_e	
CLZ	148.50		pPKPbc	00:12:07.105						T__				m_e	
FLT1	147.82		PKPbc	00:11:58.574	0.3	29.5		2.47		TAS				a_e	
FLT1	147.82		pPKPbc	00:12:04.978						T__				m_e	
GEC2	150.01		PKPbc	00:12:04.374		29.5		2.47		TAS				a_e	
GOR1	147.21		PKPbc	00:11:57.424	-0.3	29.5		2.47		TAS				a_e	
GRA1	150.15		L	01:12:18.220						T__		28.6	21.50	a_e Ms	4.0
GTTG	148.88		PKPbc	00:12:01.824	0.1	29.5		2.47		TAS				a_e	
GTTG	148.88		pPKPbc	00:12:08.683						T__				m_e	
IBBN	148.73		PKPbc	00:12:01.224	0.0	29.5		2.47		TAS				a_e	
KAST	149.59		PKPbc	00:12:03.474	0.1	29.5		2.47		TAS				a_e	
MOX	149.19		PKPbc	00:12:02.374	0.3	29.5		2.47		TAS				a_e	
MOX	149.19		L	01:18:36.856						T__		32.8	19.20	a_e Ms	4.1
NEUB	148.67		PKPbc	00:12:01.024	0.3	29.5		2.47		TAS				a_e	
PLN	149.16		PKPbc	00:12:02.424	0.2	29.5		2.47		TAS				a_e	
RETH	147.95		PKPbc	00:11:59.224	-0.2	29.5		2.47		TAS				a_e	
RJOB	151.26		PKPbc	00:12:06.824		29.5		2.47		TAS				a_e	
ROTZ	149.76		PKPbc	00:12:03.974	-0.1	29.5		2.47		TAS				a_e	
RUE	146.93		PKPbc	00:11:56.374	-0.3	29.5		2.47		TAS				a_e	
STU	151.59		PKPbc	00:12:08.074		29.5		2.47		TAS				a_e	
TANN	149.12		PKPbc	00:12:02.424	0.3	29.5		2.47		TAS				a_e	
TNS	150.49		PKPbc	00:12:05.624	-0.0	29.5		2.47		TAS				a_e	
WET	150.06		PKPbc	00:12:04.724		29.5		2.47		TAS				a_e	
WET	150.06		L	01:18:06.087						T__		53.7	18.90	a_e Ms	4.4
WLF	151.56		PKPbc	00:12:08.624	-0.5	29.5		2.47		TAS				a_e	

Event 722009 Near coast of Venezuela
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/22 03:16:35.08 11.4240 -71.1450 33.0 27 73.16 78.14 m i ke BGR
 722015

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 722015
 Ms 3.8 BGR 722015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.06		P	03:28:19.889	0.2	271.7		5.67		TAS		40.8	1.11	a_e mb	5.5
BFO	74.57		P	03:28:10.947		271.7		5.67		TAS		21.0	1.05	m_e mb	5.1
BRG	78.14		P	03:28:31.339	-0.0	271.7		5.67		TAS		24.6	1.16	m_e mb	5.2
BSEG	75.83		P	03:28:18.295	0.3	271.7		5.67		TAS		15.9	0.81	m_e mb	5.2
BUG	73.94		P	03:28:07.523	-0.2	271.7		5.67		TAS		44.5	0.99	m_e mb	5.5
CLL	77.53		P	03:28:27.915	0.0	271.7		5.67		TAS		31.8	1.23	m_e mb	5.3
CLL	77.53		L	03:57:49.996						T__		38.4	21.60	a_e Ms	3.7
CLZ	75.87		P	03:28:18.898	-0.2	271.7		5.67		TAS		21.4	0.91	m_e mb	5.3
FLT1	76.40		P	03:28:21.394	0.1	271.7		5.67		TAS		41.2	0.98	m_e mb	5.5
FUR	76.54		P	03:28:22.899		271.7		5.67		TAS		26.1	0.89	m_e mb	5.4
GEC2	78.12		P	03:28:31.322	-0.4	271.7		5.67		TAS		22.3	0.87	m_e mb	5.3
GOR1	76.43		P	03:28:21.689	-0.3	271.7		5.67		TAS		49.6	1.42	m_e mb	5.4
GRA1	76.45		P	03:28:21.578	-0.2	271.7		5.67		TAS		31.2	1.37	m_e mb	5.3
GRA1	76.45		L	04:01:31.124						T__		42.1	18.00	a_e Ms	3.8
GTTG	75.62		P	03:28:17.581	-0.1	271.7		5.67		TAS		51.0	1.16	m_e mb	5.5
IBBN	74.26		P	03:28:09.486	0.3	271.7		5.67		TAS		62.9	1.16	m_e mb	5.5
KAST	74.65		P	03:28:11.526	-0.1	271.7		5.67		TAS		13.2	0.93	m_e mb	5.0
MOX	76.68		P	03:28:23.036	0.1	271.7		5.67		TAS		23.8	1.38	m_e mb	5.1
MOX	76.68		L	04:00:30.727						T__		61.3	19.10	a_e Ms	3.9
NEUB	76.76		P	03:28:23.766	0.2	271.7		5.67		TAS		41.0	1.09	m_e mb	5.5
PLN	77.03		P	03:28:25.217	0.2	271.7		5.67		TAS		10.7	1.15	m_e mb	4.9
RETH	75.25		P	03:28:15.427	-0.1	271.7		5.67		TAS		30.3	0.96	m_e mb	5.3
RJOB	77.58		P	03:28:27.962		271.7		5.67		TAS		14.1	1.48	m_e mb	4.9
ROTZ	77.09		P	03:28:25.789	0.2	271.7		5.67		TAS		9.8	1.32	a_e mb	4.8
RUE	77.95		P	03:28:30.016	-0.5	271.7		5.67		TAS		30.2	0.77	m_e mb	5.5
STU	75.14		P	03:28:14.471	0.2	271.7		5.67		TAS		104.2	0.94	m_e mb	5.8
TANN	77.23		P	03:28:26.494	0.3	271.7		5.67		TAS		41.1	1.27	m_e mb	5.4
TNS	74.66		P	03:28:11.889	0.1	271.7		5.67		TAS		42.2	1.06	m_e mb	5.4
UBBA	75.65		P	03:28:17.317	-0.1	271.7		5.67		TAS		46.4	1.65	m_e mb	5.3
WET	77.56		P	03:28:28.408	-0.2	271.7		5.67		TAS		30.5	1.25	m_e mb	5.3
WLF	73.16		P	03:28:03.493	0.1	271.7		5.67		TAS		66.6	1.09	m_e mb	5.7

Event 722002 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/22	06:12:52.54			55.9460	-159.3050				33.0			30		69.70	76.48	m i ke	BGR
	722008																

Magnitude	Err	Nsta	Author	OrigID
mb	7.1		BGR	722008
MBB	7.4		BGR	722008
Ms	7.6		BGR	722008

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

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	722009
MBB	7.0		BGR	722009
Ms	7.6		BGR	722009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	74.79		P	06:27:49.184	0.1	352.8		5.66		TAS		1520.6	1.94	m_e	mb 6.7
FLT1	74.28		P	06:27:45.317	-0.0	352.8		5.66		TAS		726.2	1.70	m_e	mb 6.4
FUR	78.42		P	06:28:08.479	0.3	352.8		5.66		TAS		1188.3	1.68	m_e	mb 6.8
GRA1	76.90		P	06:28:01.223		352.8		5.66		TAS		1434.2	1.66	m_e	MBB 7.0
GRA1	76.90		L	07:06:18.055						T__		265070.0	18.90	a_e	Ms 7.6
GTTG	74.95		P	06:27:49.697		352.8		5.66		TAS		1090.0	1.65	m_e	mb 6.6
HLG	72.14		P	06:27:33.334		352.8		5.66		TAS		1020.4	1.40	m_e	mb 6.8
IBBN	73.99		P	06:27:43.632		352.8		5.66		TAS		745.1	1.46	m_e	mb 6.5
MOX	75.98		P	06:27:55.376		352.8		5.66		TAS		925.3	1.66	m_e	MBB 6.9
MOX	75.98		L	07:05:39.115						T__		258458.0	18.60	a_e	Ms 7.6
RETH	73.71		P	06:27:42.843		352.8		5.66		TAS		715.8	1.50	m_e	mb 6.5
RGN	72.21		P	06:27:33.993		352.8		5.66		TAS		1499.0	1.58	m_e	mb 6.9
RUE	74.31		P	06:27:46.144		352.8		5.66		TAS		842.5	1.25	m_e	mb 6.6

Event 722004 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/22	08:13:35.48			56.1270	-160.1360				33.0			30		69.56	76.34	m i ke	BGR
				722010													

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	722010
MBB	6.4		BGR	722010
Ms	6.5		BGR	722010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	71.84		P	08:24:53.109	-0.1	355.0		5.85		TAS		260.0	1.07	a_e	mb 6.3
BFO	75.47		P	08:25:14.059	-0.3	355.0		5.85		TAS		186.9	1.16	a_e	MBB 6.2
BRG	73.25		P	08:25:01.409	0.0	355.0		5.85		TAS		315.2	1.01	a_e	MBB 6.6
BSEG	70.02		P	08:24:42.359	-0.2	355.0		5.85		TAS		194.7	1.02	a_e	mb 6.2
BUG	72.29		P	08:24:55.459	-0.3	355.0		5.85		TAS		359.6	0.95	a_e	mb 6.5
CLL	72.78		P	08:24:58.309	-0.4	355.0		5.85		TAS		293.1	1.02	a_e	MBB 6.5
CLZ	72.11		P	08:24:55.159	0.4	355.0		5.85		TAS		425.6	1.09	a_e	mb 6.5
FLT1	71.67		P	08:24:51.609	-0.6	355.0		5.85		TAS		293.3	1.03	a_e	mb 6.3
FUR	75.83		P	08:25:16.409	-0.1	355.0		5.85		TAS		251.6	0.92	a_e	mb 6.3
GEC2	75.27		P	08:25:13.209	-0.0	355.0		5.85		TAS		206.2	1.01	a_e	MBB 6.2
GOR1	71.02		P	08:24:48.609	0.2	355.0		5.85		TAS		232.8	1.10	a_e	mb 6.2
GRA1	74.31		P	08:25:07.859	0.3	355.0		5.85		TAS		314.5	1.02	a_e	MBB 6.4
GRA1	74.31		L	08:55:08.000						T__		20550.4	20.30	a_e	Ms 6.4
GTTG	72.38		P	08:24:56.609	0.3	355.0		5.85		TAS		530.3	1.05	a_e	mb 6.6

HLG	69.61	P	08:24:39.959	-0.1	355.0	5.85	TAS	745.1	0.98	a_e	mb	6.8
IBBN	71.47	P	08:24:51.059	0.1	355.0	5.85	TAS	556.1	1.22	a_e	mb	6.6
KAST	72.62	P	08:24:57.709	0.0	355.0	5.85	TAS	220.1	1.08	m_e	mb	6.2
MOX	73.38	P	08:25:02.209	0.0	355.0	5.85	TAS	497.8	1.09	a_e	MBB	6.7
MOX	73.38	L	08:54:07.930				T__	37010.8	20.20	a_e	Ms	6.7
NEUB	72.84	P	08:24:58.909	-0.1	355.0	5.85	TAS	461.1	0.98	a_e	mb	6.6
PLN	73.56	P	08:25:03.209	-0.0	355.0	5.85	TAS	74.8	1.00	a_e	mb	5.7
RETH	71.16	P	08:24:49.209	0.1	355.0	5.85	TAS	243.3	1.15	a_e	mb	6.2
RGN	69.56	P	08:24:39.809	0.0	355.0	5.85	TAS	898.9	0.95	a_e	mb	6.9
RJOB	76.34	P	08:25:19.259	-0.2	355.0	5.85	TAS	223.3	0.83	a_e	mb	6.3
ROTZ	74.28	P	08:25:07.709	0.2	355.0	5.85	TAS	64.1	1.06	a_e	mb	5.6
RUE	71.65	P	08:24:52.059	0.1	355.0	5.85	TAS	675.2	1.00	a_e	mb	6.7
STU	75.09	P	08:25:11.909	-0.3	355.0	5.85	TAS	617.9	1.05	a_e	mb	6.6
TANN	73.65	P	08:25:03.959	0.2	355.0	5.85	TAS	173.9	1.18	a_e	mb	6.0
TNS	73.60	P	08:25:03.459	0.1	355.0	5.85	TAS	325.8	1.13	a_e	mb	6.3
UBBA	73.11	P	08:25:00.609	0.0	355.0	5.85	TAS	90.5	1.17	a_e	mb	5.8
WET	74.94	P	08:25:11.609	0.3	355.0	5.85	TAS	224.1	1.15	a_e	MBB	6.2
WLF	73.96	P	08:25:05.809	0.4	355.0	5.85	TAS	349.8	1.07	a_e	mb	6.3

Event 722005 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/22	10:08:39.97			55.0250	-157.6180				33.0			16		70.95	77.29	m i ke	BGR
	722011																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	722011
Ms	5.2		BGR	722011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	76.34	P		10:20:24.085	-0.2	353.4		5.78		TAS		12.2	1.52	m_e	mb	4.8
BRG	74.24	P		10:20:12.162	-0.1	353.4		5.78		TAS		13.2	1.12	m_e	mb	4.9
BSEG	70.95	P		10:19:53.300	-0.5	353.4		5.78		TAS		8.1	0.97	m_e	mb	4.8
CLL	73.75	P		10:20:09.012	-0.4	353.4		5.78		TAS		7.9	0.77	m_e	mb	4.8
CLZ	73.04	P		10:20:05.972	-0.1	353.4		5.78		TAS		9.3	0.83	m_e	mb	5.0
FLT1	72.61	P		10:20:02.623	0.7	353.4		5.78		TAS		8.7	0.87	m_e	mb	4.9
GEC2	76.25	P		10:20:23.834	0.1	353.4		5.78		TAS		11.4	1.28	m_e	mb	4.8
GRA1	75.24	L		10:58:42.799						T__		1057.2	21.50	a_e	Ms	5.1
GTTG	73.30	P		10:20:07.595	0.0	353.4		5.78		TAS		18.0	1.03	m_e	mb	5.1
KAST	73.50	P		10:20:07.872	0.3	353.4		5.78		TAS		9.0	1.17	m_e	mb	4.7
MOX	74.32	P		10:20:12.984		353.4		5.78		TAS		18.1	1.11	m_e	mb	5.0
MOX	74.32	L		10:54:10.773						T__		1136.3	18.20	a_e	Ms	5.2
NEUB	73.78	P		10:20:09.600		353.4		5.78		TAS		19.7	1.16	m_e	mb	5.0
PLN	74.51	P		10:20:14.082		353.4		5.78		TAS		2.3	1.03	m_e	mb	4.1
RJOB	77.29	P		10:20:30.032		353.4		5.78		TAS		4.9	0.76	m_e	mb	4.7
ROTZ	75.23	P		10:20:18.472		353.4		5.78		TAS		1.8	1.01	m_e	mb	4.1

TANN	74.60	P	10:20:14.516	353.4	5.78	TAS	5.8	1.15	m_e	mb	4.5
WET	75.90	P	10:20:22.293	353.4	5.78	TAS	7.4	1.20	m_e	mb	4.7

Event 722006 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/22	11:02:18.78			55.9360	-161.5510				37.8	0.0		24		70.29	76.59	m i ke	BGR
	722012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	722012
Ms	4.8		BGR	722012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.11		P	11:13:38.352	-0.1	355.8		5.83		TAS		21.4	1.09	m_e	mb	5.2
BFO	75.76		P	11:13:59.180	-0.4	355.8		5.83		TAS		7.3	0.83	m_e	mb	4.8
BRG	73.49		P	11:13:46.355	-0.1	355.8		5.83		TAS		19.2	0.98	m_e	mb	5.2
BSEG	70.29		P	11:13:27.730	-0.1	355.8		5.83		TAS		17.8	1.05	m_e	mb	5.1
BUG	72.59		P	11:13:40.852	-0.3	355.8		5.83		TAS		28.7	1.07	m_e	mb	5.3
CLL	73.03		P	11:13:43.328	-0.4	355.8		5.83		TAS		20.1	0.99	m_e	mb	5.2
CLL	73.03		L	11:49:17.972						T__		495.0	20.00	a_e	Ms	4.8
CLZ	72.38		P	11:13:40.238	0.2	355.8		5.83		TAS		28.3	1.02	m_e	mb	5.3
CLZ	72.38		sP	11:13:55.491						T__				m_e		
FLT1	71.94		P	11:13:36.724	-0.7	355.8		5.83		TAS		24.1	1.03	m_e	mb	5.3
GEC2	75.51		P	11:13:58.263	0.2	355.8		5.83		TAS		14.2	1.03	m_e	mb	5.0
GOR1	71.28		P	11:13:33.767	0.3	355.8		5.83		TAS		21.0	1.12	m_e	mb	5.2
GRA1	74.57		L	11:48:41.672						T__		900.2	19.90	a_e	Ms	5.1
GTTG	72.65		P	11:13:41.895	0.1	355.8		5.83		TAS		31.9	0.96	m_e	mb	5.4
IBBN	71.76		P	11:13:36.339	0.1	355.8		5.83		TAS		45.0	1.25	m_e	mb	5.5
KAST	72.91		P	11:13:43.063	-0.1	355.8		5.83		TAS		15.2	1.04	m_e	mb	5.1
MOX	73.64		P	11:13:47.369	0.1	355.8		5.83		TAS		31.5	1.07	m_e	mb	5.3
MOX	73.64		sP	11:14:02.636						T__				m_e		
MOX	73.64		L	11:49:06.254						T__		325.6	19.10	a_e	Ms	4.6
NEUB	73.09		P	11:13:44.219	-0.0	355.8		5.83		TAS		37.0	0.83	m_e	mb	5.5
PLN	73.82		P	11:13:48.240	0.1	355.8		5.83		TAS		4.8	1.03	m_e	mb	4.5
RETH	71.43		P	11:13:34.518	0.2	355.8		5.83		TAS		14.6	1.02	m_e	mb	5.1
RJOB	76.59		P	11:14:04.476	-0.1	355.8		5.83		TAS		12.4	0.77	m_e	mb	5.1
ROTZ	74.54		P	11:13:52.657	0.2	355.8		5.83		TAS		4.0	1.12	m_e	mb	4.3
RUE	71.89		P	11:13:37.238	0.4	355.8		5.83		TAS		71.7	1.26	m_e	mb	5.7
TANN	73.90		P	11:13:48.925		355.8		5.83		TAS		11.4	1.19	m_e	mb	4.8
TNS	73.88		P	11:13:48.626		355.8		5.83		TAS		18.5	1.10	m_e	mb	5.0
WET	75.19		P	11:13:56.566		355.8		5.83		TAS		19.8	1.26	m_e	mb	5.0
WLF	74.27		P	11:13:51.203		355.8		5.83		TAS		20.3	1.02	m_e	mb	5.1

Event 722007 Vancouver Island, Canada, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/22 11:33:42.11 50.7680 -125.9530 10.0 15 68.50 75.66 m i ke BGR
 722013

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 722013
 Ms 5.0 BGR 722013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	73.77		P	11:45:14.149	0.5	333.3		5.92		TAS	3.2	10.4	1.20	m_e	mb 4.7
BRG	73.15		P	11:45:10.693	0.9	333.3		5.92		TAS	2.7	37.0	2.03	m_e	mb 5.2
CLL	72.50		P	11:45:07.211	0.9	333.3		5.92		TAS	2.0	17.7	1.62	m_e	mb 4.9
CLZ	71.28		P	11:44:59.784	-1.6	333.3		5.92		TAS	3.0	13.2	1.20	m_e	mb 4.9
GEC2	74.92		P	11:45:19.973	0.3	333.3		5.92		TAS	2.9	25.5	2.01	m_e	mb 4.9
GRA1	73.44		P	11:45:12.855	-0.6	333.3		5.92		TAS	1.4	27.9	1.50	m_e	mb 5.2
GRA1	73.44		L	12:17:43.688						T__		945.7	20.70	a_e	Ms 5.1
HLG	68.50		P	11:44:41.103	0.3	333.3		5.92		TAS	1.2	159.1	1.06	m_e	mb 6.2
MOX	72.71		P	11:45:07.793		333.3		5.92		TAS	2.6	8.3	1.23	m_e	mb 4.7
MOX	72.71		L	12:16:13.249						T__		778.0	21.60	a_e	Ms 5.0
PLN	73.00		P	11:45:09.940		333.3		5.92		TAS	1.4	1.4	0.91	m_e	mb 4.1
RETH	70.20		P	11:44:53.033		333.3		5.92		TAS	3.2	32.6	1.52	m_e	mb 5.2
RJOB	75.66		P	11:45:24.459		333.3		5.92		TAS	2.4			m_e	
ROTZ	73.66		P	11:45:12.664		333.3		5.92		TAS	1.8			m_e	
TNS	72.14		P	11:45:04.523		333.3		5.92		TAS	1.6	8.9	1.31	m_e	mb 4.7
UBBA	72.08		P	11:45:04.250		333.3		5.92		TAS	2.5	77.4	2.38	m_e	mb 5.4
WET	74.41		P	11:45:16.441		333.3		5.92		TAS	1.6	26.7	2.10	m_e	mb 4.9

Event 722010 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/22 17:50:43.30 -15.1100 -173.1900 9.0 144.34 145.89 m i ke NEIC
 722049

Magnitude Err Nsta Author OrigID
 Ms 4.2 BGR 722016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	145.89		PKPbc	18:10:23.446		7.5		3.08		TAS				m_e	
GRA1	145.32		PKPbc	18:10:21.738		7.5		3.08		TAS				m_e	
GRA1	145.32		L	19:14:35.915						T__		22.8	20.20	a_e	Ms 3.9
MOX	144.34		L	19:19:12.514						T__		70.4	18.60	a_e	Ms 4.5
ROTZ	145.16		PKPbc	18:10:21.296		7.5		3.08		TAS				m_e	
WET	145.70		PKPbc	18:10:23.114		7.5		3.08		TAS				m_e	

WLF 145.53 PKPbc 18:10:22.560 7.5 3.08 TAS m_e

Event 722011 Xizang

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2020/07/22 20:07:14.76 31.8850 87.7290 33.0 26 55.96 61.28 m i ke BGR
722017

Magnitude Err Nsta Author OrigID
mb 5.9 BGR 722017
MBB 6.7 BGR 722017
Ms 6.2 BGR 722017

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists various station data points including BFO, BRG, BSEG, BUG, CLL, CLZ, FLT1, FUR, GEC2, GOR1, GRA1, IBBN, KAST, MOX, NEUB, PLN, RETH, RJOB, ROTZ, RUE, STU, TANN, TNS, UBBA, and WET.

WET	57.15	L	20:42:14.639						T__	21595.6	21.80	a_e	Ms	6.2
WLF	61.28	P	20:17:26.176	0.1	77.0		7.02		TAS	101.3	0.87	m_e	mb	5.7

Event 722012 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/22	21:40:05.89			56.2340	-159.7690				33.0			30		69.44	76.21	m i ke	BGR
	722018																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	722018
MBB	6.1		BGR	722018
Ms	4.8		BGR	722018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	71.72		P	21:51:22.614	-0.2	354.8		5.86		TAS		95.6	1.08	m_e	mb	5.8
BFO	75.33		P	21:51:43.687	-0.2	354.8		5.86		TAS		68.2	1.13	m_e	mb	5.6
BRG	73.13		P	21:51:31.011	-0.0	354.8		5.86		TAS		109.9	1.04	m_e	mb	5.9
BSEG	69.89		P	21:51:11.987	-0.1	354.8		5.86		TAS		71.3	1.07	m_e	mb	5.7
BUG	72.16		P	21:51:25.063	-0.2	354.8		5.86		TAS		145.7	1.03	a_e	mb	6.0
CLL	72.66		P	21:51:27.913	-0.4	354.8		5.86		TAS		96.4	1.00	m_e	mb	5.9
CLZ	71.98		P	21:51:24.763	0.4	354.8		5.86		TAS		165.0	1.13	a_e	mb	6.1
FLT1	71.55		P	21:51:21.211	-0.6	354.8		5.86		TAS		103.6	1.06	m_e	mb	5.9
FUR	75.70		P	21:51:46.079	-0.1	354.8		5.86		TAS		129.9	1.09	m_e	mb	6.0
GEC2	75.15		P	21:51:42.887	0.0	354.8		5.86		TAS		77.0	1.04	m_e	mb	5.7
GOR1	70.89		P	21:51:18.063	0.1	354.8		5.86		TAS		109.1	1.21	a_e	mb	5.9
GRA1	74.18		P	21:51:37.513	0.3	354.8		5.86		TAS		118.8	1.05	m_e	mb	5.8
GRA1	74.18		L	22:23:38.092						T__		664.3	20.50	a_e	Ms	4.9
GTTG	72.25		P	21:51:26.213	0.3	354.8		5.86		TAS		185.2	1.05	a_e	mb	6.2
HLG	69.48		P	21:51:09.513	-0.1	354.8		5.86		TAS		328.4	1.09	a_e	mb	6.5
IBBN	71.34		P	21:51:20.623	0.1	354.8		5.86		TAS		170.7	1.13	m_e	mb	6.1
KAST	72.48		P	21:51:27.313	0.1	354.8		5.86		TAS		76.9	1.06	a_e	mb	5.8
MOX	73.25		P	21:51:31.862	0.1	354.8		5.86		TAS		158.6	1.04	m_e	MBB	6.2
MOX	73.25		L	22:32:14.978						T__		494.4	21.60	a_e	Ms	4.8
NEUB	72.71		P	21:51:28.578	-0.0	354.8		5.86		TAS		154.8	0.99	m_e	mb	6.1
PLN	73.44		P	21:51:32.863	-0.0	354.8		5.86		TAS		25.2	0.99	m_e	mb	5.3
RETH	71.02		P	21:51:18.778	0.0	354.8		5.86		TAS		93.3	1.17	m_e	mb	5.8
RGN	69.44		P	21:51:09.601	0.2	354.8		5.86		TAS				m_e		
RJOB	76.21		P	21:51:48.992	-0.1	354.8		5.86		TAS		75.6	0.94	m_e	mb	5.8
ROTZ	74.16		P	21:51:37.313	0.2	354.8		5.86		TAS		23.8	1.08	m_e	mb	5.1
RUE	71.53		P	21:51:21.736	0.1	354.8		5.86		TAS		220.6	1.01	m_e	mb	6.2
STU	74.96		P	21:51:41.536	-0.2	354.8		5.86		TAS		210.1	1.03	m_e	mb	6.1
TANN	73.52		P	21:51:33.528	0.1	354.8		5.86		TAS		69.7	1.20	m_e	mb	5.6
TNS	73.46		P	21:51:33.056	0.1	354.8		5.86		TAS		107.3	1.07	m_e	MBB	6.1
UBBA	72.98		P	21:51:29.803	-0.4	354.8		5.86		TAS		49.5	1.33	m_e	mb	5.5
WET	74.81		P	21:51:41.178	0.2	354.8		5.86		TAS		88.7	1.19	m_e	mb	5.7

WLF 73.82 P 21:51:35.468 0.5 354.8 5.86 TAS 128.9 1.06 m_e mb 5.9

Event 722013 Rat Islands, Aleutian Islands, United States

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2020/07/22 23:06:43.41 52.1790 177.2890 33.0 22 73.70 79.58 m i ke BGR
722019

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 722019
Ms 4.1 BGR 722019

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 722013.

Event 723004 Alaska Peninsula, United States

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

2020/07/23 11:08:41.80
723010

55.7220 -160.0370

44.9 1.4 21 71.55 75.86 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	723010
Ms	4.2		BGR	723010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.24		P	11:20:01.330	-0.4	354.9		5.82		TAS		15.3	0.94	m_e	mb	5.1
ASSE	72.24		pP	11:20:14.372						T__				m_e		
BFO	75.86		P	11:20:22.385		354.9		5.82		TAS		13.9	0.88	m_e	mb	5.1
BRG	73.66		P	11:20:10.053	-0.1	354.9		5.82		TAS		24.0	0.92	m_e	mb	5.2
BRG	73.66		pP	11:20:22.627						T__				m_e		
BUG	72.69		P	11:20:04.154	0.1	354.9		5.82		TAS		36.6	0.88	m_e	mb	5.5
CLL	73.18		P	11:20:06.787	-0.1	354.9		5.82		TAS		24.8	0.92	m_e	mb	5.3
CLL	73.18		pP	11:20:19.676						T__				m_e		
CLZ	72.51		P	11:20:03.522	-0.1	354.9		5.82		TAS		31.9	0.95	m_e	mb	5.4
FLT1	72.07		P	11:20:00.087	-0.1	354.9		5.82		TAS		24.5	0.97	m_e	mb	5.3
FLT1	72.07		pP	11:20:12.805						T__				m_e		
GEC2	75.67		P	11:20:21.560		354.9		5.82		TAS		17.0	0.88	m_e	mb	5.2
GRA1	74.70		P	11:20:16.478		354.9		5.82		TAS		30.1	0.77	m_e	mb	5.4
GRA1	74.70		L	12:15:54.335						T__	134.2	21.30	a_e	Ms	4.2	
GTTG	72.78		P	11:20:05.312	-0.1	354.9		5.82		TAS		52.9	1.07	m_e	mb	5.6
GTTG	72.78		pP	11:20:17.743						T__				m_e		
IBBN	71.87		P	11:19:59.771	0.5	354.9		5.82		TAS		28.3	0.84	m_e	mb	5.4
KAST	73.01		P	11:20:06.078	-0.1	354.9		5.82		TAS		17.7	0.96	m_e	mb	5.2
KAST	73.01		pP	11:20:19.066						T__				m_e		
MOX	73.78		P	11:20:10.558	0.4	354.9		5.82		TAS		38.1	0.99	m_e	mb	5.4
MOX	73.78		L	12:15:56.369						T__	156.1	21.90	a_e	Ms	4.2	
NEUB	73.24		P	11:20:07.461	-0.0	354.9		5.82		TAS		47.7	0.95	m_e	mb	5.6
PLN	73.96		P	11:20:11.654	0.2	354.9		5.82		TAS		6.2	0.85	m_e	mb	4.7
RETH	71.55		P	11:19:57.538	-0.4	354.9		5.82		TAS		15.2	0.96	m_e	mb	5.1
RUE	72.05		P	11:20:01.246	0.2	354.9		5.82		TAS		55.3	0.90	m_e	mb	5.7
TANN	74.05		P	11:20:12.202	-0.1	354.9		5.82		TAS		10.7	1.02	m_e	mb	4.8
TANN	74.05		pP	11:20:25.257						T__				m_e		
TNS	73.99		P	11:20:11.759	-0.4	354.9		5.82		TAS		22.9	0.83	m_e	mb	5.2
TNS	73.99		pP	11:20:24.717						T__				m_e		
WET	75.34		P	11:20:19.895		354.9		5.82		TAS		18.7	1.19	m_e	mb	5.0
WLF	74.35		P	11:20:14.351		354.9		5.82		TAS		25.3	0.84	m_e	mb	5.3

Event 724001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/24	03:07:12.12			55.3960	-161.4610			40.5		0.7		27		70.34	76.63	m i ke	BGR

724007

2020/07/24 03:19:55.16
724008

14.4270 -94.5220

33.0

23

85.90 90.82 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	724008
Ms	5.3		BGR	724008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	87.80		P	03:32:40.561	0.2	291.2		4.70		TAS		82.1	2.33	m_e	mb 5.7
BFO	87.67		P	03:32:37.572		291.2		4.70		TAS		45.5	2.16	m_e	mb 5.4
BRG	90.17		P	03:32:50.595	-0.1	291.2		4.70		TAS		18.9	1.64	m_e	mb 5.1
BSEG	86.97		P	03:32:35.800	0.0	291.2		4.70		TAS		61.9	2.32	m_e	mb 5.3
BUG	86.03		P	03:32:32.028	-0.6	291.2		4.70		TAS		47.1	1.52	m_e	mb 5.4
CLL	89.45		P	03:32:47.166	0.5	291.2		4.70		TAS		22.3	1.69	m_e	mb 5.1
CLZ	87.73		P	03:32:39.760	-0.7	291.2		4.70		TAS		147.7	2.93	m_e	mb 5.8
FLT1	88.05		P	03:32:40.545	0.8	291.2		4.70		TAS		24.2	1.64	m_e	mb 5.3
GEC2	90.82		P	03:32:54.842		291.2		4.70		TAS		16.9	1.60	m_e	mb 5.1
GOR1	87.85		P	03:32:40.938	-0.2	291.2		4.70		TAS		34.7	1.52	m_e	mb 5.5
GRA1	89.00		P	03:32:46.317	-2.0	291.2		4.70		TAS		124.6	2.61	m_e	mb 5.7
GRA1	89.00		L	04:09:05.021						T__		1279.7	21.60	a_e	Ms 5.3
GTTG	87.59		P	03:32:39.932	-0.1	291.2		4.70		TAS				m_e	
IBBN	86.05		P	03:32:31.713	-0.0	291.2		4.70		TAS		117.9	1.89	m_e	mb 5.7
KAST	86.79		P	03:32:35.276	-0.3	291.2		4.70		TAS		63.0	1.84	m_e	mb 5.4
MOX	88.89		P	03:32:44.964	0.4	291.2		4.70		TAS		36.3	1.96	m_e	mb 5.3
MOX	88.89		L	04:10:50.095						T__		1113.1	21.20	a_e	Ms 5.3
PLN	89.27		P	03:32:47.072	0.6	291.2		4.70		TAS		8.2	1.69	m_e	mb 4.7
RETH	86.84		P	03:32:35.580	-0.8	291.2		4.70		TAS		88.5	1.84	m_e	mb 5.6
STU	88.07		P	03:32:42.430		291.2		4.70		TAS		17.7	0.62	m_e	mb 5.6
TANN	89.47		P	03:32:47.835	0.3	291.2		4.70		TAS		27.9	1.85	m_e	mb 5.2
TNS	87.13		P	03:32:36.712	0.5	291.2		4.70		TAS		52.0	1.61	m_e	mb 5.4
UBBA	87.86		P	03:32:40.970	-0.3	291.2		4.70		TAS		52.6	2.04	m_e	mb 5.5
WET	90.20		P	03:32:51.731		291.2		4.70		TAS		38.1	1.79	m_e	mb 5.3
WLF	85.90		P	03:32:31.590	1.0	291.2		4.70		TAS		47.5	1.28	m_e	mb 5.5

Event 724004 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/24	13:24:44.44			55.7860	-161.2290				33.0	2.6		27		69.94	76.23	m i ke	BGR
				724010													

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	724010
Ms	4.0		BGR	724010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.24		P	13:36:04.367	0.3	355.6		5.82		TAS		36.7	1.07	m_e	mb 5.4

ASSE	72.24	PcP	13:36:22.156					T__				m_e	
BFO	75.89	P	13:36:25.260	0.1	355.6		5.82	TAS	20.4	0.90		m_e mb	5.2
BFO	75.89	PcP	13:36:43.686					T__				m_e	
BRG	73.63	P	13:36:12.401	-0.1	355.6		5.82	TAS	38.9	1.02		m_e mb	5.4
BRG	73.63	PcP	13:36:30.241					T__				m_e	
BSEG	70.42	P	13:35:53.654	0.2	355.6		5.82	TAS	35.8	1.02		m_e mb	5.4
BSEG	70.42	PcP	13:36:11.418					T__				m_e	
BUG	72.72	P	13:36:06.885	-0.3	355.6		5.82	TAS	64.2	0.91		m_e mb	5.8
CLL	73.17	P	13:36:09.483	-0.2	355.6		5.82	TAS	36.6	0.91		m_e mb	5.5
CLL	73.17	PcP	13:36:27.780					T__				m_e	
CLZ	72.51	P	13:36:06.405	0.4	355.6		5.82	TAS	51.0	0.94		m_e mb	5.6
FLT1	72.07	P	13:36:03.247	-0.1	355.6		5.82	TAS	41.8	0.99		m_e mb	5.5
FLT1	72.07	PcP	13:36:21.219					T__				m_e	
FUR	76.23	P	13:36:27.818		355.6		5.82	TAS	73.9	1.23		m_e mb	5.7
FUR	76.23	PcP	13:36:45.433					T__				m_e	
GEC2	75.65	P	13:36:24.260	0.2	355.6		5.82	TAS	25.9	0.92		m_e mb	5.3
GEC2	75.65	PcP	13:36:42.137					T__				m_e	
GOR1	71.41	P	13:35:59.890	-0.1	355.6		5.82	TAS	40.8	1.07		m_e mb	5.5
GRA1	74.70	P	13:36:19.117	0.1	355.6		5.82	TAS	38.6	0.90		m_e mb	5.4
GRA1	74.70	PcP	13:36:36.610					T__				m_e	
GRA1	74.70	L	14:08:49.484					T__	88.5	21.50		a_e Ms	4.0
GTTG	72.79	P	13:36:08.044	-0.3	355.6		5.82	TAS	65.0	0.90		m_e mb	5.8
GTTG	72.79	PcP	13:36:26.292					T__				m_e	
IBBN	71.89	P	13:36:02.528	-0.2	355.6		5.82	TAS	44.7	0.91		m_e mb	5.6
IBBN	71.89	PcP	13:36:20.207					T__				m_e	
KAST	73.03	P	13:36:08.804	-0.1	355.6		5.82	TAS	27.1	0.94		m_e mb	5.4
KAST	73.03	PcP	13:36:27.206					T__				m_e	
MOX	73.77	P	13:36:13.361	-0.2	355.6		5.82	TAS	53.6	0.96		m_e mb	5.5
MOX	73.77	PcP	13:36:31.555					T__				m_e	
MOX	73.77	L	14:11:06.551					T__	65.5	21.40		a_e Ms	3.9
NEUB	73.23	P	13:36:10.123	-0.1	355.6		5.82	TAS	77.8	0.99		m_e mb	5.8
NEUB	73.23	PcP	13:36:28.426					T__				m_e	
PLN	73.95	P	13:36:14.240	0.0	355.6		5.82	TAS	8.1	0.82		m_e mb	4.8
PLN	73.95	PcP	13:36:32.644					T__				m_e	
RETH	71.56	P	13:36:00.369	0.1	355.6		5.82	TAS	35.3	1.09		m_e mb	5.4
RETH	71.56	PcP	13:36:18.728					T__				m_e	
RGN	69.94	P	13:35:51.335	0.3	355.6		5.82	TAS	191.1	1.12		m_e mb	6.1
RUE	72.03	P	13:36:03.247	0.1	355.6		5.82	TAS	90.5	0.98		m_e mb	5.9
STU	75.51	P	13:36:23.621	-0.4	355.6		5.82	TAS	83.6	0.97		m_e mb	5.8
STU	75.51	PcP	13:36:41.571					T__				m_e	
TANN	74.04	P	13:36:14.920	-0.1	355.6		5.82	TAS	27.4	1.35		m_e mb	5.1
TNS	74.01	P	13:36:14.680	0.3	355.6		5.82	TAS	39.3	0.90		m_e mb	5.4
TNS	74.01	PcP	13:36:33.035					T__				m_e	
UBBA	73.51	P	13:36:11.802	-0.0	355.6		5.82	TAS	11.4	1.00		m_e mb	4.9
WET	75.33	P	13:36:22.515	-0.0	355.6		5.82	TAS	39.7	1.30		m_e mb	5.3
WET	75.33	PcP	13:36:40.438					T__				m_e	
WLF	74.39	P	13:36:17.198	0.3	355.6		5.82	TAS	49.5	1.00		m_e mb	5.5
WLF	74.39	PcP	13:36:35.749					T__				m_e	

Event 725001 Ionian Sea
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/25 01:38:03.32 0.55 1.28 37.9900 20.8850 15.6 8.9 65 10.0 31 328 9.72 14.27 m i ke BGR
 725007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	10.06		Pn	01:40:25.951	-0.7					T__					m_e
ARSA	10.06		Sn	01:42:10.916	-0.7					T__					m_e
BALST	13.45		Pn	01:41:12.336	-0.8					T__					m_e
BE1			Sn	01:43:02.244	0.6					T__					m_e
BFO	13.79		Pn	01:41:16.803	-0.9					T__					m_e
BIOA			Pn	01:40:40.229	-0.0					T__					m_e
BIOA			Sn	01:42:37.500	2.3					T__					m_e
CKRC			Pn	01:40:50.600	-0.3					T__					m_e
CKRC			Sn	01:42:53.044	-0.5					T__					m_e
DAVA	12.32		Sn	01:43:03.183	-1.9					T__					m_e
DAVA	12.32		Pn	01:40:57.631	0.1					T__					m_e
DPC	12.77		Pn	01:41:05.920	2.1					T__					m_e
FETA			Sn	01:42:51.067	0.1					T__					m_e
FUR	12.35		Sn	01:43:03.451	-2.4					T__					m_e
GEC2	12.03		Sn	01:42:59.323	0.9					T__					m_e
GEC2	12.03		Pn	01:40:52.804	-0.9					T__					m_e
JAVC			Sn	01:42:33.731	-2.8					T__					m_e
KBA	10.64		Pn	01:40:34.595	-0.1					T__					m_e
KBA	10.64		Sn	01:42:26.063	0.6					T__					m_e
KHC	12.32		Sn	01:43:06.165	0.9					T__					m_e
KHC	12.32		Pn	01:40:57.122	-0.6					T__					m_e
KRUC			Pn	01:40:47.964	1.1					T__					m_e
KRUC			Sn	01:42:47.639	1.1					T__					m_e
LESA			Pn	01:40:41.897	-0.2					T__					m_e
LESA			Sn	01:42:39.319	0.9					T__					m_e
MOA	10.98		Pn	01:40:39.120	-0.1					T__					m_e
MOA	10.98		Sn	01:42:32.741	-0.7					T__					m_e
MORC	12.03		Sn	01:43:01.163	3.0					T__					m_e
MORC	12.03		Pn	01:40:54.878	1.3					T__					m_e
MOTA			Pn	01:40:51.180	0.8					T__					m_e
MOTA			Sn	01:42:54.049	1.4					T__					m_e
MOX	14.27		Pn	01:41:23.069	-1.2					T__					m_e
OBKA	9.72		Pn	01:40:22.065	0.1					T__					m_e
OBKA	9.72		Sn	01:42:01.355	-2.2					T__					m_e
PLONS	12.40		Sn	01:43:06.868	-0.1					T__					m_e
RETA			Sn	01:43:00.090	1.3					T__					m_e
RETA			Pn	01:40:54.977	1.1					T__					m_e

RJOB	11.40	Pn	01:40:44.909	-0.1	T__	m_e
RJOB	11.40	Sn	01:42:43.147	-0.2	T__	m_e
RONF		Pn	01:41:22.186	-1.7	T__	m_e
SLE	13.33	Pn	01:41:11.066	-0.3	T__	m_e
SQTA		Pn	01:40:48.842	0.4	T__	m_e
SQTA		Sn	01:42:50.195	0.9	T__	m_e
VRAC		Sn	01:42:48.184	-3.0	T__	m_e
WET	12.56	Sn	01:43:09.450	-1.4	T__	m_e
WET	12.56	Pn	01:41:00.615	-0.3	T__	m_e
WTTA	11.49	Pn	01:40:46.819	0.5	T__	m_e
WTTA	11.49	Sn	01:42:45.059	-0.5	T__	m_e
ZUGS		Pn	01:40:52.541	0.7	T__	m_e
ZUGS		Sn	01:42:57.767	2.5	T__	m_e

Event 726001 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/26	00:53:58.00			-60.7000	-25.4800				2.0				19	112.07	116.45	m i ke	EMSC
	726037																

Magnitude	Err	Nsta	Author	OrigID
Ms	6.2		BGR	726007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	116.15		PP	01:13:47.321		196.0		7.47		TAS				m_e	
BFO	112.07		PP	01:13:18.787	1.4	196.0		7.47		TAS				m_e	
BRG	115.65		PP	01:13:44.398	1.2	196.0		7.47		TAS				m_e	
CLL	115.85		PP	01:13:46.068		196.0		7.47		TAS				m_e	
CLZ	115.82		PP	01:13:45.900	0.1	196.0		7.47		TAS				m_e	
FLT1	116.45		PP	01:13:49.935		196.0		7.47		TAS				m_e	
FUR	112.51		PP	01:13:23.774	3.8	196.0		7.47		TAS				m_e	
GEC2	113.69		PP	01:13:27.392	-0.9	196.0		7.47		TAS				m_e	
GRA1	113.95		L	01:56:37.689						T__		6064.9	20.60	a_e Ms	6.2
GTTG	115.45		PP	01:13:42.032	1.1	196.0		7.47		TAS				m_e	
IBBN	115.76		PP	01:13:46.735	-0.4	196.0		7.47		TAS				m_e	
KAST	114.83		PP	01:13:39.638	-6.3	196.0		7.47		TAS				m_e	
MOX	114.93		PP	01:13:38.274	1.3	196.0		7.47		TAS				m_e	
MOX	114.93		L	01:57:04.332						T__		5875.5	20.20	a_e Ms	6.2
NEUB	115.49		PP	01:13:43.395	0.6	196.0		7.47		TAS				m_e	
PLN	114.90		PP	01:13:36.325	-0.6	196.0		7.47		TAS				m_e	
TANN	114.90		PP	01:13:31.428	1.0	196.0		7.47		TAS				m_e	
TNS	113.90		PP	01:13:32.958	2.0	196.0		7.47		TAS				m_e	
UBBA	114.77		PP	01:13:39.387	-1.5	196.0		7.47		TAS				m_e	
WET	113.79		PP	01:13:28.366	1.7	196.0		7.47		TAS				m_e	
WLF	112.93		PP	01:13:19.739	-1.0	196.0		7.47		TAS				m_e	

Event 726002 Bristol Bay, Alaska, United States
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/26 21:36:07.63 57.0250 -160.1450 33.0 23 69.13 74.94 m i ke BGR
 726008

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 726008
 Ms 3.9 BGR 726008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.95		P	21:47:19.796	-0.4	355.1		5.92		TAS		17.4	1.31	m_e mb	5.0
BFO	74.58		P	21:47:41.176		355.1		5.92		TAS		7.1	0.98	m_e mb	4.7
BRG	72.36		P	21:47:28.149	-0.1	355.1		5.92		TAS		10.8	1.10	m_e mb	4.9
BSEG	69.13		P	21:47:09.104	0.7	355.1		5.92		TAS		8.8	1.14	m_e mb	4.9
BUG	71.40		P	21:47:22.246	0.1	355.1		5.92		TAS		17.1	1.00	m_e mb	5.1
CLL	71.89		P	21:47:25.169	-0.1	355.1		5.92		TAS		8.0	0.91	m_e mb	4.8
CLZ	71.22		P	21:47:22.111	-0.3	355.1		5.92		TAS		30.2	1.43	m_e mb	5.2
FLT1	70.78		P	21:47:18.722	0.2	355.1		5.92		TAS		13.9	1.25	m_e mb	5.0
FUR	74.94		P	21:47:43.364		355.1		5.92		TAS		9.7	0.84	m_e mb	4.9
GEC2	74.37		P	21:47:39.978		355.1		5.92		TAS		10.0	1.22	m_e mb	4.7
GRA1	73.41		P	21:47:34.741	-0.2	355.1		5.92		TAS		9.9	0.85	m_e mb	5.0
GRA1	73.41		L	22:19:57.364						T__		74.1	21.20	a_e Ms	3.9
GTTG	71.49		P	21:47:23.363	-1.1	355.1		5.92		TAS		28.7	1.31	m_e mb	5.2
IBBN	70.58		P	21:47:17.999	0.5	355.1		5.92		TAS		13.7	0.92	m_e mb	5.1
KAST	71.73		P	21:47:23.472	0.3	355.1		5.92		TAS		5.4	0.89	m_e mb	4.7
MOX	72.48		P	21:47:29.368	0.7	355.1		5.92		TAS		25.1	1.30	m_e mb	5.2
MOX	72.48		L	22:27:39.636						T__		62.8	21.70	a_e Ms	3.9
NEUB	71.94		P	21:47:25.997	0.0	355.1		5.92		TAS		13.6	0.71	m_e mb	5.2
PLN	72.67		P	21:47:30.181	0.2	355.1		5.92		TAS		2.3	0.90	m_e mb	4.3
RETH	70.26		P	21:47:15.593	-0.3	355.1		5.92		TAS		8.3	1.06	m_e mb	4.8
RUE	70.75		P	21:47:19.496	-0.2	355.1		5.92		TAS		32.1	1.18	m_e mb	5.3
TANN	72.75		P	21:47:30.560	0.2	355.1		5.92		TAS		9.5	1.28	m_e mb	4.8
TNS	72.70		P	21:47:30.876	-0.3	355.1		5.92		TAS		8.9	0.81	m_e mb	4.9
WET	74.04		P	21:47:38.473		355.1		5.92		TAS		7.5	1.15	m_e mb	4.6
WLF	73.07		P	21:47:33.136	-0.2	355.1		5.92		TAS		14.1	1.04	m_e mb	5.0

Event 727002 Kuril Islands, Russia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/07/27 02:29:56.36 49.0810 153.3190 33.0 17 73.94 78.36 m i ke BGR
 727008

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	727008
Ms	3.8		BGR	727008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	78.36		P	02:41:50.948		24.5		5.70		TAS		19.5	1.25	m_e	mb	5.1
BRG	74.53		P	02:41:29.606	-0.6	24.5		5.70		TAS		6.1	1.15	m_e	mb	4.5
CLL	74.40		P	02:41:28.587	0.5	24.5		5.70		TAS		15.5	0.97	m_e	mb	5.0
CLZ	74.61		P	02:41:30.667	-0.0	24.5		5.70		TAS		17.5	1.24	m_e	mb	5.0
FLT1	73.94		P	02:41:25.840	0.2	24.5		5.70		TAS		10.5	0.99	m_e	mb	4.8
FUR	77.73		P	02:41:47.932		24.5		5.70		TAS		16.2	0.84	m_e	mb	5.2
GEC2	76.42		P	02:41:40.420		24.5		5.70		TAS		4.8	0.88	m_e	mb	4.6
GRA1	76.35		P	02:41:40.643		24.5		5.70		TAS		20.5	0.87	m_e	mb	5.3
GRA1	76.35		L	03:14:29.589						T__		61.8	21.40	a_e	Ms	3.9
KAST	75.69		P	02:41:36.493	-0.1	24.5		5.70		TAS		7.6	0.81	m_e	mb	4.9
MOX	75.38		P	02:41:34.753		24.5		5.70		TAS		11.7	1.15	m_e	mb	4.8
MOX	75.38		L	03:14:02.182						T__		52.6	21.60	a_e	Ms	3.8
NEUB	74.84		P	02:41:31.354	-0.1	24.5		5.70		TAS		19.6	1.24	m_e	mb	5.0
PLN	75.37		P	02:41:34.649		24.5		5.70		TAS		1.9	0.88	m_e	mb	4.1
STU	77.73		P	02:41:47.869		24.5		5.70		TAS		23.2	0.73	m_e	mb	5.4
TANN	75.36		P	02:41:34.435		24.5		5.70		TAS		15.6	1.75	m_e	mb	4.8
TNS	76.58		P	02:41:41.669		24.5		5.70		TAS		10.7	0.83	m_e	mb	5.0
UBBA	75.64		P	02:41:36.085	-0.1	24.5		5.70		TAS		6.2	0.91	m_e	mb	4.7
WET	76.39		P	02:41:40.878		24.5		5.70		TAS		13.3	1.04	m_e	mb	5.0

Event 727001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/27	19:34:43.24			55.7220	-160.0370				64.4			27		69.96	76.23	m i ke	BGR
	727007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	727007
Ms	4.7		BGR	727007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.24		P	19:46:03.270	0.5	354.9		5.82		TAS		46.9	1.10	m_e	mb	5.5
BFO	75.86		P	19:46:24.052	0.3	354.9		5.82		TAS		35.2	1.35	m_e	mb	5.3
BRG	73.66		P	19:46:11.411	-0.8	354.9		5.82		TAS		44.5	1.00	m_e	mb	5.5
BSEG	70.42		P	19:45:52.760	0.0	354.9		5.82		TAS		36.8	0.97	m_e	mb	5.5
BUG	72.69		P	19:46:05.871	-0.5	354.9		5.82		TAS		66.8	1.02	m_e	mb	5.7
CLL	73.18		P	19:46:08.300	0.0	354.9		5.82		TAS		39.1	0.89	m_e	mb	5.5
CLZ	72.51		P	19:46:05.408	0.3	354.9		5.82		TAS		68.5	1.06	m_e	mb	5.7
FLT1	72.07		P	19:46:01.965	-0.1	354.9		5.82		TAS		42.3	0.94	m_e	mb	5.5
FUR	76.23		P	19:46:26.832		354.9		5.82		TAS		48.7	1.08	m_e	mb	5.5
GEC2	75.67		P	19:46:23.155	0.0	354.9		5.82		TAS				m_e		

GOR1	71.42	P	19:45:58.571	-0.6	354.9	5.82	TAS	38.8	1.05	m_e	mb	5.5
GRA1	74.70	P	19:46:17.919	0.2	354.9	5.82	TAS	114.5	1.60	m_e	mb	5.7
GRA1	74.70	L	20:18:37.602				T__	448.7	21.60	a_e	Ms	4.7
GTTG	72.78	P	19:46:06.732	0.0	354.9	5.82	TAS	111.8	1.14	m_e	mb	5.9
IBBN	71.87	P	19:46:01.302	-0.4	354.9	5.82	TAS	70.4	1.05	m_e	mb	5.7
KAST	73.01	P	19:46:07.771	0.1	354.9	5.82	TAS	34.5	1.09	m_e	mb	5.4
KAST	73.01	pP	19:46:25.277				T__			m_e		
MOX	73.78	P	19:46:12.337	-0.1	354.9	5.82	TAS	75.7	1.10	m_e	mb	5.6
MOX	73.78	L	20:18:08.907				T__	408.8	22.00	a_e	Ms	4.7
NEUB	73.24	P	19:46:09.182	-0.1	354.9	5.82	TAS	76.2	0.91	m_e	mb	5.8
PLN	73.96	P	19:46:13.264	-0.2	354.9	5.82	TAS	9.8	0.94	m_e	mb	4.8
RETH	71.55	P	19:45:58.720	0.4	354.9	5.82	TAS	26.3	1.00	m_e	mb	5.3
RGN	69.96	P	19:45:50.178	0.2	354.9	5.82	TAS	139.0	0.86	m_e	mb	6.1
RUE	72.05	P	19:46:02.561	0.2	354.9	5.82	TAS	107.2	0.97	m_e	mb	5.9
STU	75.49	P	19:46:22.228	-0.3	354.9	5.82	TAS	150.5	1.29	m_e	mb	5.9
TANN	74.05	P	19:46:13.619	0.3	354.9	5.82	TAS	29.8	1.26	m_e	mb	5.2
TNS	73.99	P	19:46:13.752	0.1	354.9	5.82	TAS	61.9	1.25	m_e	mb	5.5
UBBA	73.51	P	19:46:09.822	0.1	354.9	5.82	TAS	18.9	1.24	m_e	mb	5.0
WET	75.34	P	19:46:21.565	-0.1	354.9	5.82	TAS	33.1	1.15	m_e	mb	5.3
WLF	74.35	P	19:46:15.539	0.3	354.9	5.82	TAS	45.3	1.08	m_e	mb	5.4

Event 728002 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/28	08:03:54.63			55.5660	-161.7770				53.5	1.8		28		70.18	76.48	m i ke	BGR
	728008																

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	728008
MBB	6.3		BGR	728008
Ms	5.3		BGR	728008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.49		P	08:15:10.352	0.0	355.9		5.82		TAS		162.7	1.25	m_e	MBB 6.5
BFO	76.14		P	08:15:31.317	-0.2	355.9		5.82		TAS		67.3	0.98	m_e	MBB 6.1
BRG	73.87		P	08:15:18.193	-0.1	355.9		5.82		TAS		129.1	1.17	m_e	MBB 6.3
BSEG	70.67		P	08:14:59.753	0.0	355.9		5.82		TAS		132.0	1.15	m_e	MBB 6.2
BSEG	70.67		pP	08:15:15.240						T__				m_e	
BUG	72.97		P	08:15:12.958	-0.1	355.9		5.82		TAS		172.5	0.88	m_e	MBB 6.3
CLL	73.41		P	08:15:15.404	-0.3	355.9		5.82		TAS		130.6	1.20	m_e	MBB 6.1
CLZ	72.76		P	08:15:12.383	0.5	355.9		5.82		TAS		197.1	1.02	m_e	MBB 6.5
FLT1	72.32		P	08:15:08.461	-0.9	355.9		5.82		TAS		133.6	1.08	m_e	MBB 6.3
FUR	76.48		P	08:15:33.492	-0.1	355.9		5.82		TAS		166.4	1.04	m_e	MBB 6.5
FUR	76.48		pP	08:15:48.162						T__				m_e	
GEC2	75.89		P	08:15:30.196	0.1	355.9		5.82		TAS		91.0	1.06	m_e	MBB 6.1
GOR1	71.66		P	08:15:05.756	0.2	355.9		5.82		TAS		151.4	1.10	m_e	MBB 6.6

GRA1	74.95	P	08:15:24.994	0.3	355.9	5.82	TAS	87.8	1.19	m_e	mb	5.7
GRA1	74.95	L	08:48:01.036				T__	1684.7	21.90	a_e	Ms	5.3
GTTG	73.04	P	08:15:13.742	0.2	355.9	5.82	TAS	223.7	0.94	m_e	MBB	6.5
HLG	70.28	P	08:14:57.194	-0.3	355.9	5.82	TAS	285.2	0.91	m_e	MBB	6.6
IBBN	72.15	P	08:15:08.506	0.2	355.9	5.82	TAS	235.5	1.04	m_e	MBB	6.7
KAST	73.29	P	08:15:14.941	-0.0	355.9	5.82	TAS	81.7	0.98	m_e	MBB	6.3
MOX	74.02	P	08:15:18.952	-0.3	355.9	5.82	TAS	140.9	0.91	m_e	MBB	6.2
MOX	74.02	L	08:57:29.633				T__	1787.8	21.10	a_e	Ms	5.3
NEUB	73.47	P	08:15:15.944	-0.1	355.9	5.82	TAS	168.1	0.84	m_e	MBB	6.5
PLN	74.20	P	08:15:20.313	0.0	355.9	5.82	TAS	20.4	0.94	m_e	MBB	5.8
RETH	71.81	P	08:15:06.501	0.1	355.9	5.82	TAS	162.3	1.27	m_e	MBB	6.5
RGN	70.18	P	08:14:57.061	0.2	355.9	5.82	TAS	444.8	1.15	m_e	mb	6.5
RUE	72.26	P	08:15:09.263	0.3	355.9	5.82	TAS	283.2	1.13	m_e	MBB	6.6
STU	75.76	P	08:15:29.149	-0.2	355.9	5.82	TAS	328.5	0.96	m_e	MBB	6.6
TANN	74.28	P	08:15:20.864	0.1	355.9	5.82	TAS	167.4	1.50	m_e	MBB	6.1
TNS	74.27	P	08:15:20.775	0.1	355.9	5.82	TAS	132.8	0.96	m_e	MBB	6.3
UBBA	73.76	P	08:15:17.234	-0.5	355.9	5.82	TAS	194.3	1.67	m_e	MBB	6.0
WET	75.57	P	08:15:28.481	0.2	355.9	5.82	TAS	189.0	1.40	m_e	MBB	6.4
WLF	74.66	P	08:15:23.271	0.5	355.9	5.82	TAS	178.2	1.04	m_e	MBB	6.2

Event 729001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/29	09:12:17.40			55.0960	-160.8280				59.9	5.4		26		70.61	76.90	m i ke	BGR
	729007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	729007
Ms	4.8		BGR	729007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.91	P		09:23:41.149	0.5	355.3		5.77		TAS		59.2	0.86	m_e	mb	5.7
BFO	76.54	P		09:24:02.078		355.3		5.77		TAS		27.3	0.83	m_e	mb	5.4
BRG	74.31	P		09:23:48.802	-0.1	355.3		5.77		TAS		68.8	0.88	m_e	mb	5.7
BSEG	71.09	P		09:23:30.522	0.1	355.3		5.77		TAS		61.1	0.82	m_e	mb	5.8
BUG	73.37	P		09:23:43.470	-0.6	355.3		5.77		TAS		96.8	0.84	m_e	mb	6.0
CLL	73.84	P		09:23:46.009	0.1	355.3		5.77		TAS		81.6	0.84	m_e	mb	5.8
CLZ	73.18	P		09:23:43.325	0.4	355.3		5.77		TAS		84.2	0.89	m_e	mb	5.9
FLT1	72.74	P		09:23:39.408	-0.1	355.3		5.77		TAS		77.0	0.84	m_e	mb	5.9
FUR	76.90	P		09:24:04.254		355.3		5.77		TAS		56.7	0.72	m_e	mb	5.8
GEC2	76.33	P		09:24:01.062	-0.1	355.3		5.77		TAS		48.9	0.85	m_e	mb	5.7
GOR1	72.08	P		09:23:36.543	0.1	355.3		5.77		TAS		54.0	1.07	m_e	mb	5.6
GOR1	72.08	pP		09:23:52.775						T__				m_e		
GRA1	75.37	P		09:23:55.948	0.1	355.3		5.77		TAS		61.2	0.76	m_e	mb	5.7
GRA1	75.37	pP		09:24:12.901						T__				m_e		
GRA1	75.37	L		09:55:40.929						T__		467.6	21.80	a_e	Ms	4.8

GTTG	73.45	P	09:23:44.776	-0.4	355.3	5.77	TAS	147.5	0.91	m_e	mb	6.1
IBBN	72.55	P	09:23:39.045	-0.9	355.3	5.77	TAS	93.3	0.86	m_e	mb	5.9
KAST	73.69	P	09:23:45.828	0.2	355.3	5.77	TAS	52.2	0.89	m_e	mb	5.6
MOX	74.44	P	09:23:49.963	0.2	355.3	5.77	TAS	114.9	0.90	m_e	mb	5.9
MOX	74.44	L	09:55:57.381				T__	504.6	21.80	a_e	Ms	4.8
NEUB	73.90	P	09:23:47.134	-0.5	355.3	5.77	TAS	158.0	0.81	m_e	mb	6.1
PLN	74.63	P	09:23:50.979	-0.1	355.3	5.77	TAS	20.6	0.84	m_e	mb	5.2
RETH	72.23	P	09:23:37.413	0.1	355.3	5.77	TAS	45.7	0.91	m_e	mb	5.6
RGN	70.61	P	09:23:28.599	0.6	355.3	5.77	TAS	257.5	0.79	m_e	mb	6.4
RUE	72.70	P	09:23:40.170	-0.1	355.3	5.77	TAS	192.6	0.94	m_e	mb	6.2
STU	76.17	P	09:24:00.046	-0.0	355.3	5.77	TAS	148.0	0.91	m_e	mb	6.1
STU	76.17	pP	09:24:15.355				T__			m_e		
TANN	74.71	P	09:23:51.838	0.1	355.3	5.77	TAS	22.3	0.84	m_e	mb	5.2
TANN	74.71	pP	09:24:09.474				T__			m_e		
TNS	74.67	P	09:23:51.269	0.5	355.3	5.77	TAS	66.1	0.85	m_e	mb	5.7
WET	76.00	P	09:23:59.176	0.0	355.3	5.77	TAS	32.2	0.95	m_e	mb	5.4
WLF	75.04	P	09:23:53.518	0.1	355.3	5.77	TAS	74.3	0.93	m_e	mb	5.7

Event 729002 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/29	13:09:18.69		55.9670	-162.2360					33.0			20		71.78	76.10	m i ke	BGR
	729008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	729008
Ms	3.8		BGR	729008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.11	P		13:20:38.012	0.1	356.2		5.83		TAS		25.9	1.18	m_e	mb	5.2
BFO	75.77	P		13:20:58.666		356.2		5.83		TAS		7.4	0.69	m_e	mb	4.9
BRG	73.48	P		13:20:45.942	0.3	356.2		5.83		TAS		22.0	0.99	m_e	mb	5.2
BUG	72.61	P		13:20:40.517	-0.0	356.2		5.83		TAS		34.2	0.88	m_e	mb	5.5
CLL	73.02	P		13:20:42.898	0.1	356.2		5.83		TAS		22.8	0.92	m_e	mb	5.3
CLZ	72.38	P		13:20:40.049	0.0	356.2		5.83		TAS		28.2	0.93	m_e	mb	5.4
FLT1	71.93	P		13:20:36.416	-0.0	356.2		5.83		TAS		25.6	1.01	m_e	mb	5.3
FUR	76.10	P		13:21:01.427		356.2		5.83		TAS		32.9	0.90	m_e	mb	5.5
GEC2	75.50	P		13:20:57.562		356.2		5.83		TAS		15.0	0.88	m_e	mb	5.1
GRA1	74.57	P		13:20:52.594		356.2		5.83		TAS		18.3	0.64	m_e	mb	5.2
GRA1	74.57	L		13:50:51.284						T__		41.1	19.50	a_e	Ms	3.7
GTTG	72.66	P		13:20:41.439	-0.0	356.2		5.83		TAS		34.8	0.88	m_e	mb	5.5
IBBN	71.78	P		13:20:35.855	-0.3	356.2		5.83		TAS		51.9	1.20	m_e	mb	5.5
KAST	72.92	P		13:20:42.609	-0.0	356.2		5.83		TAS		15.2	0.94	m_e	mb	5.1
MOX	73.63	P		13:20:46.836	-0.1	356.2		5.83		TAS		40.1	1.15	m_e	mb	5.3
MOX	73.63	L		13:50:41.376						T__		57.8	21.20	a_e	Ms	3.8
NEUB	73.09	P		13:20:43.778	0.3	356.2		5.83		TAS		45.2	0.80	m_e	mb	5.7

PLN	73.81	P	13:20:47.868	-0.6	356.2	5.83	TAS	5.7	0.98	m_e	mb	4.6
TANN	73.90	P	13:20:48.460	0.2	356.2	5.83	TAS	8.0	0.89	m_e	mb	4.8
TNS	73.90	P	13:20:48.298		356.2	5.83	TAS	20.5	0.94	m_e	mb	5.1
WET	75.18	P	13:20:55.911		356.2	5.83	TAS	15.1	1.10	m_e	mb	4.9
WLF	74.29	P	13:20:50.885		356.2	5.83	TAS	35.2	1.18	m_e	mb	5.3

Event 730001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/30	00:36:01.12			31.1870	142.6740				36.7	0.8		15		85.50	90.92	m i ke	BGR
	730007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	730007
Ms	5.6		BGR	730007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	87.01		P	00:48:41.030	0.1	39.9		4.74		TAS		175.2	1.74	m_e	mb	5.9
BFO	90.92		P	00:48:59.737		39.9		4.74		TAS		108.2	1.58	m_e	mb	5.9
BFO	90.92		PP	00:52:36.580		39.4		8.32		TAS				m_e		
BRG	86.62		P	00:48:39.729	0.1	39.9		4.74		TAS		136.3	1.73	m_e	mb	5.8
BSEG	85.75		P	00:48:35.308	0.4	39.9		4.74		TAS		108.1	1.24	m_e	mb	5.8
BUG	88.86		P	00:48:50.066	-0.1	39.9		4.74		TAS		56.6	1.28	m_e	mb	5.7
BUG	88.86		PP	00:52:20.094	0.4	39.4		8.32		TAS				m_e		
CLL	86.69		P	00:48:39.874	0.0	39.9		4.74		TAS		304.7	1.95	m_e	mb	6.1
CLZ	87.35		P	00:48:43.507	-0.2	39.9		4.74		TAS		95.2	1.32	m_e	mb	5.8
CLZ	87.35		pP	00:48:54.175						T__				m_e		
CLZ	87.35		PP	00:52:07.188	-0.2	39.4		8.32		TAS				m_e		
FLT1	86.63		P	00:48:39.215	0.4	39.9		4.74		TAS		193.8	1.46	m_e	mb	6.0
FUR	89.81		P	00:48:55.034		39.9		4.74		TAS		317.5	2.02	m_e	mb	6.2
FUR	89.81		PP	00:52:28.080		39.4		8.32		TAS				m_e		
GEC2	88.24		P	00:48:47.124	-0.3	39.9		4.74		TAS		18.9	1.09	m_e	mb	5.3
GEC2	88.24		PP	00:52:15.434		39.4		8.32		TAS				m_e		
GOR1	86.10		P	00:48:37.367	0.4	39.9		4.74		TAS		404.0	1.59	m_e	mb	6.3
GRA1	88.66		P	00:48:49.610	-0.2	39.9		4.74		TAS		196.4	2.17	m_e	mb	6.0
GRA1	88.66		pP	00:49:00.572						T__				m_e		
GRA1	88.66		PP	00:52:18.208		39.4		8.32		TAS				m_e		
GRA1	88.66		L	01:31:10.170						T__		1980.3	20.60	a_e	Ms	5.5
GTTG	87.74		P	00:48:45.079	-0.2	39.9		4.74		TAS		653.3	2.98	m_e	mb	6.4
GTTG	87.74		pP	00:48:55.671						T__				m_e		
GTTG	87.74		PP	00:52:10.483	0.3	39.4		8.32		TAS				m_e		
IBBN	87.99		P	00:48:46.546	-0.5	39.9		4.74		TAS		291.6	1.67	m_e	mb	6.3
KAST	88.61		P	00:48:49.005	0.0	39.9		4.74		TAS		47.6	1.43	m_e	mb	5.5
KAST	88.61		PP	00:52:18.264	-0.5	39.4		8.32		TAS				m_e		
MOX	87.77		P	00:48:45.224	0.1	39.9		4.74		TAS		212.6	2.34	m_e	mb	6.1
MOX	87.77		PP	00:52:10.635		39.4		8.32		TAS				m_e		

MOX	87.77	L	01:32:40.431							T__	2557.0	18.10	a_e	Ms	5.7
NEUB	87.28	P	00:48:42.880	-1.1	39.9	4.74				TAS	288.3	1.87	m_e	mb	6.1
PLN	87.66	P	00:48:44.838	-0.1	39.9	4.74				TAS	115.6	2.54	m_e	mb	5.8
PLN	87.66	PP	00:52:09.632		39.4	8.32				TAS			m_e		
RETH	87.04	P	00:48:42.108	0.4	39.9	4.74				TAS	162.8	1.55	m_e	mb	5.9
RUE	85.50	P	00:48:34.777	-0.5	39.9	4.74				TAS	263.4	1.38	m_e	mb	6.3
STU	90.22	P	00:48:56.963	0.2	39.9	4.74				TAS	111.5	1.21	m_e	mb	6.0
STU	90.22	PP	00:52:31.517		39.4	8.32				TAS			m_e		
TANN	87.59	P	00:48:44.423	0.4	39.9	4.74				TAS	250.8	2.57	m_e	mb	6.1
TNS	89.37	P	00:48:52.623	0.2	39.9	4.74				TAS	57.6	1.67	m_e	mb	5.5
TNS	89.37	PP	00:52:24.383		39.4	8.32				TAS			m_e		
UBBA	88.29	P	00:48:46.525	0.2	39.9	4.74				TAS	80.2	1.71	m_e	mb	5.8
UBBA	88.29	PP	00:52:14.844		39.4	8.32				TAS			m_e		
WET	88.37	P	00:48:48.089	0.2	39.9	4.74				TAS	105.3	2.05	m_e	mb	5.8
WET	88.37	PP	00:52:16.335		39.4	8.32				TAS			m_e		
WLF	90.71	P	00:48:59.471	0.1	39.9	4.74				TAS	151.7	1.70	m_e	mb	6.0
WLF	90.71	PP	00:52:35.103		39.4	8.32				TAS			m_e		

Event	730003	Poland																	
Date		Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
OrigID																			
2020/07/30		15:36:34.03	0.33	1.16	51.4600	16.1580	5.6	2.2	16	1.0			16	199	0.62	3.62	m i ki	BGR	
730009																			

Magnitude	Err	Nsta	Author	OrigID
ML	4.0		BGR	730009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.51		Sg	15:37:21.112	-1.0					T__				m_e	
BRG	1.51		Pn	15:37:00.712	-0.7					T__				m_e	ML 3.8
BRG	1.51		Pg	15:37:02.567	0.0					T__				m_e	
CLL	1.98		Sg	15:37:37.134	0.1					T__				m_e	
CLL	1.98		Pn	15:37:06.780	-0.9					T__				m_e	ML 3.9
CLL	1.98		Pg	15:37:10.883	-0.5					T__				m_e	
CLZ	3.62		Sg	15:38:31.962	2.9					T__				m_e	
CLZ	3.62		Pn	15:37:30.732	0.9					T__				m_e	ML 4.2
DPC	1.11		Sg	15:37:12.251	2.8					T__				m_e	
DPC	1.11		Pg	15:36:55.188	0.2					T__				m_e	ML 4.3
FBE	1.84		Sg	15:37:32.490	-0.1					T__				m_e	
FBE	1.84		Pn	15:37:05.316	-0.6					T__				m_e	ML 3.8
FBE	1.84		Pg	15:37:08.267	-0.5					T__				m_e	
GEC2	3.06		Sg	15:38:08.899	-2.2					T__				m_e	
GEC2	3.06		Pn	15:37:23.156	0.9					T__				m_e	ML 4.1
GRA1	3.61		Sg	15:38:28.727	0.1					T__				m_e	
GRA1	3.61		Pn	15:37:30.419	0.8					T__				m_e	ML 4.6
KSP	0.62		Sg	15:36:55.231	1.4					T__				m_e	

KSP	0.62	Pg	15:36:45.662	-0.1	T__	m_e	ML	3.5
MORC	1.90	Sg	15:37:34.753	0.3	T__	m_e		
MORC	1.90	Pn	15:37:06.136	-0.5	T__	m_e	ML	4.2
MORC	1.90	Pg	15:37:06.978	-2.9	T__	m_e		
MOX	2.98	Sg	15:38:09.199	0.6	T__	m_e		
MOX	2.98	Pn	15:37:21.418	0.2	T__	m_e	ML	4.3
OJC	2.62	Sg	15:37:58.193	1.0	T__	m_e		
OJC	2.62	Pn	15:37:15.270	-1.1	T__	m_e	ML	4.1
OJC	2.62	Pg	15:37:23.682	0.3	T__	m_e		
OKC	2.06	Sg	15:37:39.125	-0.3	T__	m_e		
OKC	2.06	Pn	15:37:08.186	-0.6	T__	m_e	ML	3.6
OKC	2.06	Pg	15:37:12.679	-0.1	T__	m_e		
ROTZ	3.03	Sg	15:38:07.530	-2.8	T__	m_e		
ROTZ	3.03	Pn	15:37:21.922	0.0	T__	m_e	ML	3.9
TANN	2.56	Sg	15:37:54.953	-0.4	T__	m_e		
TANN	2.56	Pn	15:37:16.032	0.5	T__	m_e	ML	4.2
TANN	2.56	Pg	15:37:22.145	-0.1	T__	m_e		
WERD	2.64	Sg	15:37:58.564	0.8	T__	m_e	ML	3.9
WET	3.13	Sg	15:38:14.749	1.4	T__	m_e		
WET	3.13	Pn	15:37:23.372	0.2	T__	m_e	ML	4.1

Event 730004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/30	19:16:57.31			-18.1580	-175.3210			49.2		7.1		24		144.03	149.76	m i ke	BGR
	730010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.78		PKPbc	19:36:32.446	0.7	11.8		2.78		TAS				m_e	
BFO	149.76		PKPbc	19:36:42.432		11.8		2.78		TAS				m_e	
BRG	146.53		PKPbc	19:36:31.821	0.2	11.8		2.78		TAS				m_e	
BSEG	144.03		PKPbc	19:36:26.851	0.1	11.8		2.78		TAS				m_e	
BUG	146.73		PKPbc	19:36:34.538	-0.1	11.8		2.78		TAS				m_e	
CLL	146.27		PKPbc	19:36:34.016	-2.0	11.8		2.78		TAS				m_e	
CLZ	146.09		PKPbc	19:36:33.507	-2.3	11.8		2.78		TAS				m_e	
FLT1	145.51		PKPbc	19:36:30.854	0.7	11.8		2.78		TAS				m_e	
FUR	149.59		PKPbc	19:36:42.058		11.8		2.78		TAS				m_e	
GEC2	148.53		PKPbc	19:36:40.117	-0.7	11.8		2.78		TAS				m_e	
GOR1	144.85		PKPbc	19:36:29.817	-0.3	11.8		2.78		TAS				m_e	
GRA1	148.10		PKPbc	19:36:39.056	-0.1	11.8		2.78		TAS				m_e	
GTTG	146.42		PKPbc	19:36:34.185	-0.3	11.8		2.78		TAS				m_e	
IBBN	145.84		PKPbc	19:36:32.181	0.4	11.8		2.78		TAS				m_e	
KAST	146.90		PKPbc	19:36:35.359	0.6	11.8		2.78		TAS				m_e	
KAST	146.90		pPKPbc	19:36:49.110	0.9					T__				m_e	

MOX	147.12	PKPbc	19:36:36.066	0.6	11.8	2.78	TAS	m_e
NEUB	146.56	PKPbc	19:36:32.099	0.4	11.8	2.78	TAS	m_e
NEUB	146.56	pPKPbc	19:36:48.666	0.9			T__	m_e
PLN	147.20	PKPbc	19:36:36.511	0.7	11.8	2.78	TAS	m_e
PLN	147.20	pPKPbc	19:36:50.713	0.9			T__	m_e
RETH	145.30	PKPbc	19:36:30.854	-0.2	11.8	2.78	TAS	m_e
RETH	145.30	pPKPbc	19:36:45.103	0.9			T__	m_e
TANN	147.22	PKPbc	19:36:36.566	0.8	11.8	2.78	TAS	m_e
TNS	147.87	PKPbc	19:36:38.063	0.4	11.8	2.78	TAS	m_e
UBBA	147.14	PKPbc	19:36:35.656	0.2	11.8	2.78	TAS	m_e
WET	148.39	PKPbc	19:36:39.996	-0.5	11.8	2.78	TAS	m_e
WLF	148.55	PKPbc	19:36:39.929		11.8	2.78	TAS	m_e

Event 731001 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/31	06:06:44.50			8.5300	126.5600				60.0			22		96.76	102.32	m i ke	EMSC
	731037																

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	731007
Ms	5.5		BGR	731007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	97.30		P	06:20:10.805	0.0	64.0		4.60		TAS		50.1	1.25	m_e	mb 6.0
BSEG	98.03		P	06:20:14.112	0.1	64.0		4.60		TAS		18.7	0.93	m_e	mb 5.8
BUG	100.83		P	06:20:26.606	-0.3	64.0		4.60		TAS		36.7	1.00	m_e	mb 5.9
CLL	97.67		P	06:20:12.202	-0.2	64.0		4.60		TAS		38.2	1.26	m_e	mb 6.0
CLZ	98.93		P	06:20:18.448	0.3	64.0		4.60		TAS		45.9	0.88	m_e	mb 6.2
FLT1	98.24		P	06:20:14.480	-0.5	64.0		4.60		TAS		29.0	0.99	m_e	mb 6.0
GEC2	98.23		P	06:20:15.141	-0.1	64.0		4.60		TAS		34.5	1.02	m_e	mb 6.0
GOR1	97.92		P	06:20:13.745	0.3	64.0		4.60		TAS		61.9	1.17	m_e	mb 6.2
GRA1	99.37		P	06:20:20.506	0.1	64.0		4.60		TAS		60.5	1.55	m_e	mb 6.1
GRA1	99.37		L	07:08:36.023						T__		1491.9	19.70	a_e	Ms 5.5
GTTG	99.29		P	06:20:20.065	0.2	64.0		4.60		TAS		34.1	0.79	m_e	mb 6.1
IBBN	100.15		P	06:20:23.666	-0.1	64.0		4.60		TAS		69.5	1.29	m_e	mb 6.1
KAST	100.31		P	06:20:24.548	0.0	64.0		4.60		TAS		18.4	0.90	m_e	mb 5.7
MOX	98.74		P	06:20:17.346	-0.1	64.0		4.60		TAS		66.7	1.60	m_e	mb 6.1
MOX	98.74		L	07:07:56.011						T__		1380.4	21.00	a_e	Ms 5.4
NEUB	98.42		P	06:20:15.729	-0.2	64.0		4.60		TAS		38.0	0.86	m_e	mb 6.2
PLN	98.49		P	06:20:16.170	-0.1	64.0		4.60		TAS		17.2	1.40	m_e	mb 5.6
RETH	99.09		P	06:20:18.889	0.0	64.0		4.60		TAS		30.5	1.27	m_e	mb 5.9
RUE	96.76		P	06:20:08.454	0.2	64.0		4.60		TAS		88.6	1.00	m_e	mb 6.3
TANN	98.34		P	06:20:15.656	0.1	64.0		4.60		TAS		29.4	1.27	m_e	mb 5.9
TNS	100.75		P	06:20:26.679	0.1	64.0		4.60		TAS		42.4	1.33	m_e	mb 5.8
UBBA	99.59		P	06:20:20.947	-0.3	64.0		4.60		TAS		12.6	0.76	m_e	mb 5.6

WET	98.61	P	06:20:17.126	0.2	64.0	4.60	TAS	46.2	1.48	m_e	mb	6.0
WLF	102.32	P	06:20:34.008	0.2	64.0	4.60	TAS	36.8	0.87	m_e	mb	6.0

Event 731003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/31	10:47:21.86			-17.4370	-177.7920				530.0			19		143.03	148.78	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
ASSE	144.74		PKPbc	11:06:54.754	0.1	15.9		2.92		TAS					m_e
BFO	148.78		PKPbc	11:07:05.758		15.9		2.92		TAS					m_e
BRG	145.35		PKPbc	11:06:56.568	0.1	15.9		2.92		TAS					m_e
BSEG	143.03		PKPbc	11:06:48.995	-0.7	15.9		2.92		TAS					m_e
CLL	145.13		PKPbc	11:06:55.740	0.2	15.9		2.92		TAS					m_e
CLZ	145.07		PKPbc	11:06:56.016	0.4	15.9		2.92		TAS					m_e
FLT1	144.46		PKPbc	11:06:53.492	-0.3	15.9		2.92		TAS					m_e
GEC2	147.31		PKPbc	11:07:01.913		15.9		2.92		TAS					m_e
GOR1	143.81		PKPbc	11:06:51.796	-0.1	15.9		2.92		TAS					m_e
GTTG	145.41		PKPbc	11:06:56.884	0.3	15.9		2.92		TAS					m_e
IBBN	144.93		PKPbc	11:06:55.503	0.1	15.9		2.92		TAS					m_e
KAST	145.95		PKPbc	11:06:58.461	0.2	15.9		2.92		TAS					m_e
MOX	146.02		PKPbc	11:06:58.461	0.2	15.9		2.92		TAS					m_e
NEUB	145.47		PKPbc	11:06:56.884	0.1	15.9		2.92		TAS					m_e
PLN	146.08		PKPbc	11:06:58.659	0.2	15.9		2.92		TAS					m_e
RETH	144.33		PKPbc	11:06:53.492	-0.0	15.9		2.92		TAS					m_e
TANN	146.09		PKPbc	11:06:58.737	0.2	15.9		2.92		TAS					m_e
TNS	146.91		PKPbc	11:07:01.222	-0.3	15.9		2.92		TAS					m_e
WLF	147.69		PKPbc	11:07:03.826	-0.7	15.9		2.92		TAS					m_e

Event 731004 Admiralty Islands, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/31	16:04:18.90			-5.5200	151.8600				51.0			16		122.82	127.37	m i ke	EMSC

Magnitude Err Nsta Author OrigID Ms 4.9 BGR 731010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	123.60		PKPdf	16:23:10.672	0.3	51.3		2.05		TAS					m_e

./bul2007.txt

Tue Feb 22 15:12:57 2022

100

BRG	122.82	PKPdf	16:23:09.197	0.0	51.3	2.05	TAS	m_e									
CLL	123.02	PKPdf	16:23:09.302	-0.1	51.3	2.05	TAS	m_e									
CLZ	123.93	PKPdf	16:23:11.692	0.1	51.3	2.05	TAS	m_e									
FLT1	123.21	PKPdf	16:23:09.689	-0.1	51.3	2.05	TAS	m_e									
GEC2	124.17	PKPdf	16:23:11.692		51.3	2.05	TAS	m_e									
GRA1	124.92	L	17:17:33.357				T__		271.3	21.80	a_e	Ms				4.9	
GTTG	124.32	PKPdf	16:23:12.254	-0.1	51.3	2.05	TAS	m_e									
KAST	125.26	PKPdf	16:23:14.081	0.2	51.3	2.05	TAS	m_e									
MOX	124.12	PKPdf	16:23:11.621	0.2	51.3	2.05	TAS	m_e									
MOX	124.12	L	17:18:27.840				T__		299.4	22.00	a_e	Ms				4.9	
NEUB	123.69	PKPdf	16:23:10.778	-0.1	51.3	2.05	TAS	m_e									
PLN	123.95	PKPdf	16:23:11.340	0.1	51.3	2.05	TAS	m_e									
RETH	123.78	PKPdf	16:23:11.094	-0.1	51.3	2.05	TAS	m_e									
STU	126.53	PKPdf	16:23:16.330		51.3	2.05	TAS	m_e									
TANN	123.85	PKPdf	16:23:11.235	-0.0	51.3	2.05	TAS	m_e									
WET	124.42	PKPdf	16:23:12.308		51.3	2.05	TAS	m_e									
WLF	127.37	PKPdf	16:23:18.685		51.3	2.05	TAS	m_e									

Event 731005 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/07/31	17:05:59.90			-7.4800	156.8300				398.0			20		125.95	131.34	m i ke	EMSC
	731041																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	127.56		PKPdf	17:24:18.596	-0.0	46.3		1.93		TAS				m_e	
BFO	131.34		PKPdf	17:24:25.756		46.3		1.93		TAS				m_e	
BRG	126.95		PKPdf	17:24:17.415	-0.0	46.3		1.93		TAS				m_e	
BSEG	126.39		PKPdf	17:24:16.455	-0.0	46.3		1.93		TAS				m_e	
CLL	127.09		PKPdf	17:24:17.454	0.1	46.3		1.93		TAS				m_e	
CLZ	127.89		PKPdf	17:24:19.523	0.2	46.3		1.93		TAS				m_e	
FLT1	127.17		PKPdf	17:24:17.644	-0.2	46.3		1.93		TAS				m_e	
GEC2	128.40		PKPdf	17:24:20.189		46.3		1.93		TAS				m_e	
GOR1	126.67		PKPdf	17:24:17.121	0.2	46.3		1.93		TAS				m_e	
GRA1	129.03		PKPdf	17:24:21.522		46.3		1.93		TAS				m_e	
GTTG	128.28		PKPdf	17:24:20.118	0.1	46.3		1.93		TAS				m_e	
IBBN	128.63		PKPdf	17:24:20.760	-0.1	46.3		1.93		TAS				m_e	
KAST	129.19		PKPdf	17:24:21.902	-0.1	46.3		1.93		TAS				m_e	
MOX	128.19		PKPdf	17:24:19.761	0.1	46.3		1.93		TAS				m_e	
NEUB	127.73		PKPdf	17:24:18.810	0.0	46.3		1.93		TAS				m_e	
PLN	128.05		PKPdf	17:24:19.547	0.1	46.3		1.93		TAS				m_e	
RETH	127.66		PKPdf	17:24:18.929	0.0	46.3		1.93		TAS				m_e	
RUE	125.95		PKPdf	17:24:15.527	0.0	46.3		1.93		TAS				m_e	
TANN	127.95		PKPdf	17:24:19.428	0.1	46.3		1.93		TAS				m_e	

./bul2007.txt

Tue Feb 22 15:12:57 2022

101

WET 128.61

PKPdf 17:24:20.760

46.3

1.93

TAS

m_e