

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

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

December 2021 UPDATED 28.December 2022

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

Event 11201001 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/01	04:39:24.90			-37.7130	-73.5060				15.0				9	114.63	116.73	m i ke	NEIC
OrigID																	
11201040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	11201007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	116.73		PKiKP	04:58:08.377		236.2		2.05		TAS				m_e	
BRG	116.73		pPKiKP	04:58:16.362		236.3		1.82		TAS				m_e	
BSEG	116.20		PKiKP	04:58:08.057		236.2		2.05		TAS				m_e	
BSEG	116.20		pPKiKP	04:58:16.173		236.3		1.82		TAS				m_e	
CLL	116.41		PKiKP	04:58:08.424		236.2		2.05		TAS				m_e	
CLL	116.41		pPKiKP	04:58:15.981		236.3		1.82		TAS				m_e	
GEC2	115.64		PKiKP	04:58:06.179		236.2		2.05		TAS				m_e	
GEC2	115.64		pPKiKP	04:58:14.359		236.3		1.82		TAS				m_e	
GRA1	114.63		pPKiKP	04:58:12.621		236.3		1.82		TAS				m_e	
GRA1	114.63		L	05:47:26.400						T__		624.8	18.50	a_e Ms	5.2
MOX	115.32		PKiKP	04:58:06.028		236.2		2.05		TAS				m_e	
MOX	115.32		pPKiKP	04:58:13.898		236.3		1.82		TAS				m_e	
MOX	115.32		L	05:48:59.090						T__		480.5	18.40	a_e Ms	5.1
NEUB	115.67		PKiKP	04:58:06.482		236.2		2.05		TAS				m_e	
NEUB	115.67		pPKiKP	04:58:14.466		236.3		1.82		TAS				m_e	
PLN	115.55		PKiKP	04:58:06.179		236.2		2.05		TAS				m_e	
PLN	115.55		pPKiKP	04:58:14.240		236.3		1.82		TAS				m_e	
TANN	115.68		PKiKP	04:58:06.558		236.2		2.05		TAS				m_e	
TANN	115.68		pPKiKP	04:58:14.563		236.3		1.82		TAS				m_e	
WET	115.31		PKiKP	04:58:05.194		236.2		2.05		TAS				m_e	

Event 11201002 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
2021/12/01	06:04:58.75			35.1660	141.0240				33.0			10		82.40	86.87	m i ke	BGR
OrigID 11201008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11201008
Ms	4.6		BGR	11201008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.67		P	06:17:38.923		45.0		4.51		TAS		43.3	1.62	m_e	mb 5.3
BRG	82.40		P	06:17:17.189	-0.1	45.0		4.51		TAS		6.3	0.93	m_e	mb 4.7
CLL	82.46		P	06:17:17.212	0.5	45.0		4.51		TAS		12.0	0.84	m_e	mb 5.2
DAVA	86.87		P	06:17:40.870		45.0		4.51		TAS				m_e	
GEC2	84.04		P	06:17:25.387		45.0		4.51		TAS		6.1	0.99	m_e	mb 4.8
GRA1	84.43		P	06:17:27.306		45.0		4.51		TAS		13.0	0.91	m_e	mb 5.2
GRA1	84.43		L	06:59:46.827						T__		184.3	20.80	a_e	Ms 4.5
MOX	83.53		L	07:02:16.992						T__		316.8	18.00	a_e	Ms 4.7
STU	85.98		P	06:17:35.540		45.0		4.51		TAS		30.5	0.80	m_e	mb 5.5
TNS	85.12		P	06:17:30.779		45.0		4.51		TAS		19.4	1.27	m_e	mb 5.2
UBR	86.46		P	06:17:38.900		45.0		4.51		TAS		32.1	1.51	m_e	mb 5.2
WET	84.16		P	06:17:26.253		45.0		4.51		TAS		5.8	1.01	m_e	mb 4.8

Event 11201004 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/01	16:58:41.70			36.2340	138.4570				52.5	1.3		18		79.57	84.87	m i ke	BGR
OrigID 11201010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11201010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.46		P	17:11:02.829		40.4		5.22		TAS		16.4	0.98	m_e	mb 5.2
BFO	84.71		P	17:11:08.152		40.4		5.22		TAS		27.5	1.27	m_e	mb 5.3
BRG	80.41		P	17:10:46.096	-0.2	40.4		5.22		TAS		9.2	0.91	m_e	mb 4.8
BRG	80.41		pP	17:11:06.812						T__				m_e	
BSEG	79.57		P	17:10:42.166	-0.8	40.4		5.22		TAS		12.8	0.66	m_e	mb 5.0
CLL	80.48		P	17:10:46.189	-0.2	40.4		5.22		TAS		21.4	1.01	m_e	mb 5.1
DAVA	84.87		P	17:11:09.245		40.4		5.22		TAS		13.0	0.85	m_e	mb 5.2
FLT1	80.43		P	17:10:45.431	-0.1	40.4		5.22		TAS		13.7	0.93	m_e	mb 5.0
FLT1	80.43		pP	17:11:06.691						T__				m_e	

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FUR	83.59	P	17:11:03.129		40.4	5.22	TAS	27.2	0.85	m_e	mb	5.5
GEC2	82.02	P	17:10:54.655	-0.4	40.4	5.22	TAS	9.7	1.15	m_e	mb	4.8
GRA1	82.45	P	17:10:57.314		40.4	5.22	TAS	24.8	0.89	m_e	mb	5.4
GRA1	82.45	pP	17:11:18.793				T__			m_e		
IBBN	81.81	P	17:10:53.124	0.1	40.4	5.22	TAS	94.9	1.51	m_e	mb	5.7
KAST	82.42	P	17:10:56.582		40.4	5.22	TAS	9.1	0.85	m_e	mb	5.0
MOX	81.56	P	17:10:51.996	0.4	40.4	5.22	TAS	5.2	0.74	m_e	mb	4.7
NEUB	81.08	P	17:10:49.374	0.0	40.4	5.22	TAS	23.8	0.70	m_e	mb	5.3
RETH	80.86	P	17:10:48.293	0.4	40.4	5.22	TAS			m_e		
STU	84.00	P	17:11:04.954		40.4	5.22	TAS	26.7	0.48	m_e	mb	5.8
TNS	83.17	P	17:11:00.282		40.4	5.22	TAS	6.7	0.81	m_e	mb	4.9
WET	82.15	P	17:10:55.652	-0.4	40.4	5.22	TAS	7.4	1.03	m_e	mb	4.8

Event 11201005 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/01	17:23:01.90			-10.4630	161.2610				40.0					132.76	133.63	m i ke	NEIC
	11201044																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	11201011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	133.63		L	18:42:32.314						T__		418.2	21.60	a_e	Ms	5.1
MOX	132.76		L	18:41:16.603						T__		385.0	20.80	a_e	Ms	5.1

Event 11201007 Sicily, Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/01	22:44:11.90			38.4920	14.8780				233.0					9.82	12.37	m i ke	INGV
	11201097																

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	10.38		Pn	22:46:38.343						T__				m_e	
GRA1	11.49		Pn	22:46:53.178						T__				m_e	
MOX	12.37		Pn	22:47:05.388						T__				m_e	
STU	11.06		Pn	22:46:46.325						T__				m_e	
TANN	12.04		Pn	22:46:59.623						T__				m_e	
UBR	9.82		Pn	22:46:31.580						T__				m_e	
WET	10.74		Pn	22:46:41.643						T__				m_e	

Event 11202001 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/02	02:27:08.24			52.1510	178.4240				33.0			22		73.69	79.41	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11202007
Ms	4.5		BGR	11202007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.29		P	02:38:57.809	0.1	8.0		5.58		TAS		48.2	1.20	m_e mb	5.5
ASSE	75.45		P	02:38:48.564	0.9	8.0		5.58		TAS		32.1	1.09	m_e mb	5.4
BFO	79.41		P	02:39:09.393		8.0		5.58		TAS		10.4	0.87	m_e mb	4.8
BRG	76.38		P	02:38:52.631	-0.2	8.0		5.58		TAS		32.5	1.47	m_e mb	5.2
BSEG	73.69		P	02:38:37.635	-0.2	8.0		5.58		TAS		52.7	1.08	m_e mb	5.5
BUG	76.38		P	02:38:52.524	-0.2	8.0		5.58		TAS		17.9	1.40	m_e mb	5.0
CLL	76.05		P	02:38:50.429	-0.6	8.0		5.58		TAS		7.3	0.81	m_e mb	4.9
FLT1	75.20		P	02:38:45.560	-0.7	8.0		5.58		TAS		26.7	1.02	m_e mb	5.2
GEC2	78.41		P	02:39:04.236	-0.3	8.0		5.58		TAS		5.4	0.84	m_e mb	4.6
GOR1	74.54		P	02:38:43.029	0.4	8.0		5.58		TAS		50.8	1.16	m_e mb	5.4
GRA1	77.82		P	02:39:01.417	0.3	8.0		5.58		TAS		55.7	1.33	m_e mb	5.5
GRA1	77.82		L	03:22:09.987						T__		272.1	18.10	a_e Ms	4.6
GTTG	76.09		P	02:38:51.203	0.0	8.0		5.58		TAS		42.9	1.23	m_e mb	5.4
IBBN	75.49		P	02:38:48.089	0.3	8.0		5.58		TAS		126.1	1.19	m_e mb	5.9
KAST	76.54		P	02:38:53.893	0.2	8.0		5.58		TAS		19.3	1.05	m_e mb	5.2
MOX	76.84		P	02:38:55.085	-0.3	8.0		5.58		TAS		29.0	1.37	m_e mb	5.2
MOX	76.84		L	03:21:40.769						T__		232.7	20.40	a_e Ms	4.5
NEUB	76.28		P	02:38:52.348	0.1	8.0		5.58		TAS		63.0	1.34	m_e mb	5.6
PLN	76.95		P	02:38:55.938	-0.1	8.0		5.58		TAS		2.2	0.73	m_e mb	4.4
RETH	74.95		P	02:38:44.487	-0.3	8.0		5.58		TAS		26.8	1.11	m_e mb	5.2
RUE	74.82		P	02:38:44.219	0.1	8.0		5.58		TAS		57.3	1.26	m_e mb	5.5
STU	78.90		P	02:39:06.788		8.0		5.58		TAS		69.3	1.18	m_e mb	5.6
TNS	77.51		P	02:38:59.282	0.5	8.0		5.58		TAS		14.7	0.90	m_e mb	5.1
WET	78.20		P	02:39:03.290	0.1	8.0		5.58		TAS		16.0	1.26	m_e mb	5.0

Event 11202003 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
2021/12/02	21:37:44.51			35.6060	141.5800				24.1					84.28	84.28	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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mb 5.0 BGR 11202009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.28		P	21:50:13.577		45.4		4.69		TAS		8.3	0.93	m_e	mb 5.0
GRA1	84.28		pP	21:50:20.588						T__				m_e	

Event 11203001 Southeast of Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/03	00:28:23.28			32.9700	136.7600				21.8	1.2		22		81.37	86.77	m i ke	BGR
	11203007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	11203007
Ms	5.2		BGR	11203007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.63		P	00:40:59.670		42.6		5.03		TAS		51.8	1.06	m_e	mb 5.6
BFO	86.77		P	00:41:05.378		42.6		5.03		TAS		35.4	0.93	m_e	mb 5.5
BFO	86.77		pP	00:41:11.711	0.1					T__				m_e	
BRG	82.42		P	00:40:43.343	0.5	42.6		5.03		TAS		13.9	0.97	m_e	mb 5.2
BSEG	81.77		P	00:40:40.054	0.1	42.6		5.03		TAS		36.9	0.96	m_e	mb 5.5
BUG	84.87		P	00:40:55.757		42.6		5.03		TAS		12.3	1.09	m_e	mb 5.0
CLL	82.53		P	00:40:44.155	0.1	42.6		5.03		TAS		62.1	0.96	m_e	mb 5.8
FLT1	82.56		P	00:40:44.101	0.1	42.6		5.03		TAS		46.9	0.93	m_e	mb 5.7
FUR	85.58		P	00:40:58.896		42.6		5.03		TAS		87.6	0.90	m_e	mb 5.9
GEC2	83.97		P	00:40:51.516		42.6		5.03		TAS		14.6	0.95	m_e	mb 5.2
GRA1	84.49		P	00:40:54.114		42.6		5.03		TAS		76.1	0.97	m_e	mb 5.9
GRA1	84.49		L	01:22:06.930						T__		884.5	19.60	a_e	Ms 5.2
GTTG	83.67		P	00:40:49.477		42.6		5.03		TAS		24.7	0.92	m_e	mb 5.4
IBBN	84.01		P	00:40:51.374		42.6		5.03		TAS		17.2	0.88	m_e	mb 5.3
KAST	84.58		P	00:40:54.343		42.6		5.03		TAS		23.0	1.01	m_e	mb 5.4
MOX	83.62		P	00:40:49.032		42.6		5.03		TAS		9.0	0.91	m_e	mb 5.0
MOX	83.62		L	01:20:13.603						T__		954.2	20.50	a_e	Ms 5.2
NEUB	83.16		P	00:40:47.215		42.6		5.03		TAS		65.9	0.98	m_e	mb 5.8
NEUB	83.16		pP	00:40:53.224	0.1					T__				m_e	
RUE	81.37		P	00:40:38.122	-0.3	42.6		5.03		TAS		58.2	1.04	m_e	mb 5.5
STU	86.06		P	00:41:02.125		42.6		5.03		TAS		130.8	0.95	m_e	mb 6.0
TANN	83.41		P	00:40:48.315		42.6		5.03		TAS		9.3	0.95	m_e	mb 5.0
TNS	85.30		P	00:40:57.977		42.6		5.03		TAS		23.1	0.95	m_e	mb 5.4
UBR	86.46		P	00:41:03.577		42.6		5.03		TAS		15.1	0.95	m_e	mb 5.1
UBR	86.46		pP	00:41:09.964	0.1					T__				m_e	
WET	84.13		P	00:40:51.966		42.6		5.03		TAS		12.8	0.95	m_e	mb 5.1
WET	84.13		pP	00:40:58.516	0.1					T__				m_e	
WLF	86.69		P	00:41:05.278		42.6		5.03		TAS		28.0	0.98	m_e	mb 5.3
WLF	86.69		pP	00:41:11.719	0.1					T__				m_e	

Event 11204001 Sakhalin Island, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/04	08:03:04.71			49.4370	144.7680				33.0			7		71.10	75.50	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11204007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.91		P	08:14:35.737		29.5		5.91		TAS		5.2	0.86	m_e mb	4.6
ASSE	71.44		P	08:14:20.975		29.5		5.91		TAS		6.3	0.92	m_e mb	4.7
BFO	75.50		P	08:14:44.993		29.5		5.91		TAS		5.4	0.88	m_e mb	4.7
BRG	71.49		P	08:14:21.545		29.5		5.91		TAS		3.4	0.78	m_e mb	4.5
BUG	73.05		P	08:14:30.748		29.5		5.91		TAS		2.6	0.90	m_e mb	4.4
CLL	71.43		P	08:14:20.841	0.1	29.5		5.91		TAS		19.1	0.80	m_e mb	5.3
FLT1	71.10		P	08:14:18.943	0.1	29.5		5.91		TAS		10.3	0.78	m_e mb	5.0
GEC2	73.31		P	08:14:31.939		29.5		5.91		TAS		3.9	0.77	m_e mb	4.6
GRA1	73.40		P	08:14:32.573		29.5		5.91		TAS		11.9	0.76	m_e mb	5.0
GTTG	72.17		P	08:14:25.401		29.5		5.91		TAS		11.9	0.95	m_e mb	5.0
IBBN	72.15		P	08:14:25.241		29.5		5.91		TAS		10.2	0.77	m_e mb	5.0
KAST	72.93		P	08:14:29.646		29.5		5.91		TAS		5.2	0.85	m_e mb	4.7
MOX	72.44		P	08:14:26.991		29.5		5.91		TAS		9.8	1.05	m_e mb	4.9
NEUB	71.92		P	08:14:23.707		29.5		5.91		TAS		19.3	0.86	m_e mb	5.2
TNS	73.79		P	08:14:34.874		29.5		5.91		TAS		4.2	0.80	m_e mb	4.5
WET	73.33		P	08:14:32.012		29.5		5.91		TAS		11.2	0.94	m_e mb	5.0

Event 11205001 North of Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/04	23:47:57.70			3.9110	128.1460				174.0			9		100.87	106.95	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	106.02		Sdiff	00:13:29.005	0.9	61.7		8.79		TAS				a_e	
AHRW	106.02		SS	00:21:08.075	0.1	65.9		13.91		TAS				a_e	
ASSE	103.30		Sdiff	00:13:04.305	-0.1	61.7		8.79		TAS				a_e	
ASSE	103.30		SS	00:20:30.925	-1.6	65.9		13.91		TAS				a_e	
ASSE	103.30		Pdiff	00:01:36.311	0.0	66.4		4.68		TAS				m_e	
BFO	106.28		Sdiff	00:13:31.405		61.7		8.79		TAS				a_e	

BFO	106.28	SS	00:21:11.575		65.9	13.91	TAS	a_e
BFO	106.28	PKKPbc	00:17:23.322				T__	m_e
BRG	101.92	Sdiff	00:12:54.705	-0.8	61.7	8.79	TAS	a_e
BRG	101.92	SS	00:20:10.375	-0.3	65.9	13.91	TAS	a_e
BRG	101.92	Pdiff	00:01:29.721	-0.1	66.4	4.68	TAS	m_e
BRG	101.92	PKKPbc	00:17:36.116	0.1			T__	m_e
BSEG	102.72	Sdiff	00:12:59.355	1.1	61.7	8.79	TAS	a_e
BSEG	102.72	SS	00:20:22.075	-0.1	65.9	13.91	TAS	a_e
BSEG	102.72	Pdiff	00:01:33.121	-0.4	66.4	4.68	TAS	m_e
BSEG	102.72	PKKPbc	00:17:34.480	0.4			T__	m_e
BUG	105.50	Sdiff	00:13:22.805	0.4	61.7	8.79	TAS	a_e
BUG	105.50	SS	00:21:01.175	-0.3	65.9	13.91	TAS	a_e
BUG	105.50	Pdiff	00:01:46.106		66.4	4.68	TAS	m_e
CLL	102.30	Sdiff	00:12:55.805	0.9	61.7	8.79	TAS	a_e
CLL	102.30	SS	00:20:13.825	-2.2	65.9	13.91	TAS	a_e
CLL	102.30	Pdiff	00:01:31.387	0.5	66.4	4.68	TAS	m_e
CLL	102.30	PKKPbc	00:17:34.343	-0.6			T__	m_e
FLT1	102.90	Sdiff	00:12:59.305	0.5	61.7	8.79	TAS	a_e
FLT1	102.90	SS	00:20:24.725	0.4	65.9	13.91	TAS	a_e
FLT1	102.90	Pdiff	00:01:33.797	0.5	66.4	4.68	TAS	m_e
FUR	104.56	Sdiff	00:13:15.305	1.5	61.7	8.79	TAS	a_e
FUR	104.56	SS	00:20:48.675	4.5	65.9	13.91	TAS	a_e
GEC2	102.81	Sdiff	00:13:03.855	-1.6	61.7	8.79	TAS	a_e
GEC2	102.81	SS	00:20:24.425	1.1	65.9	13.91	TAS	m_e
GEC2	102.81	Pdiff	00:01:33.833	-0.3	66.4	4.68	TAS	m_e
GEC2	102.81	PKKPbc	00:17:33.359	0.2			T__	m_e
GOR1	102.59	Pdiff	00:01:33.221	-0.5	66.4	4.68	TAS	m_e
GRA1	103.98	Sdiff	00:13:13.455	-2.8	61.7	8.79	TAS	a_e
GRA1	103.98	SS	00:20:40.125	1.0	65.9	13.91	TAS	a_e
GRA1	103.98	Pdiff	00:01:39.906	-0.2	66.4	4.68	TAS	m_e
GRA1	103.98	pPdiff	00:02:20.014				T__	m_e
GTTG	103.94	Sdiff	00:13:11.505	1.4	61.7	8.79	TAS	a_e
GTTG	103.94	SS	00:20:27.625	0.7	65.9	13.91	TAS	a_e
GTTG	103.94	Pdiff	00:01:39.454	0.3	66.4	4.68	TAS	m_e
HLG	103.90	Sdiff	00:13:06.305	1.2	61.7	8.79	TAS	a_e
HLG	103.90	SS	00:20:38.525	-11.2	65.9	13.91	TAS	a_e
IBBN	104.83	SS	00:20:55.875	1.5	65.9	13.91	TAS	a_e
IBBN	104.83	Pdiff	00:01:43.022	0.6	66.4	4.68	TAS	m_e
KAST	104.96	Sdiff	00:13:20.705	-2.0	61.7	8.79	TAS	a_e
KAST	104.96	SS	00:20:54.625	-0.5	65.9	13.91	TAS	a_e
KAST	104.96	Pdiff	00:01:43.393	-0.4	66.4	4.68	TAS	m_e
MOX	103.36	Sdiff	00:13:06.005	-2.0	61.7	8.79	TAS	a_e
MOX	103.36	SS	00:20:29.225	-0.1	65.9	13.91	TAS	a_e
MOX	103.36	Pdiff	00:01:36.332	-0.1	66.4	4.68	TAS	m_e
MOX	103.36	PKKPbc	00:17:31.093				T__	m_e
NEUB	103.06	Sdiff	00:13:04.455	-0.1	61.7	8.79	TAS	a_e
NEUB	103.06	Pdiff	00:01:35.289	0.0	66.4	4.68	TAS	m_e
PLN	103.11	Sdiff	00:13:03.955	0.8	61.7	8.79	TAS	a_e
PLN	103.11	SS	00:20:26.475	1.9	65.9	13.91	TAS	a_e

PLN	103.11	Pdiff	00:01:35.056	0.5	66.4	4.68	TAS	m_e
PLN	103.11	PKKPbc	00:17:32.746	0.3			T__	m_e
RGN	100.87	SS	00:19:58.325	2.1	65.9	13.91	TAS	a_e
RUE	101.41	Sdiff	00:12:46.555	1.1	61.7	8.79	TAS	a_e
RUE	101.41	SS	00:20:03.225	-0.4	65.9	13.91	TAS	a_e
RUE	101.41	Pdiff	00:01:27.863		66.4	4.68	TAS	m_e
STU	105.57	Sdiff	00:13:26.705	-1.1	61.7	8.79	TAS	a_e
STU	105.57	SS	00:21:01.375	0.3	65.9	13.91	TAS	a_e
TANN	102.96	Sdiff	00:13:03.355	1.4	61.7	8.79	TAS	a_e
TANN	102.96	SS	00:20:28.275	3.0	65.9	13.91	TAS	a_e
TANN	102.96	Pdiff	00:01:34.210		66.4	4.68	TAS	m_e
TANN	102.96	PKKPbc	00:17:33.471	0.1			T__	m_e
TNS	105.38	Sdiff	00:13:24.905	-0.8	61.7	8.79	TAS	a_e
TNS	105.38	SS	00:20:58.425	-0.5	65.9	13.91	TAS	m_e
TNS	105.38	Pdiff	00:01:45.760		66.4	4.68	TAS	m_e
UBR	105.47	Sdiff	00:13:24.205	0.5	61.7	8.79	TAS	a_e
UBR	105.47	SS	00:20:59.975	0.6	65.9	13.91	TAS	a_e
UBR	105.47	PKKPbc	00:17:25.960				T__	m_e
WET	103.20	Sdiff	00:13:06.605	-0.2	61.7	8.79	TAS	m_e
WET	103.20	SS	00:20:30.625	1.0	65.9	13.91	TAS	a_e
WET	103.20	Pdiff	00:01:35.869		66.4	4.68	TAS	m_e
WLF	106.95	Sdiff	00:13:38.105		61.7	8.79	TAS	a_e
WLF	106.95	Pdiff	00:01:53.781		66.4	4.68	TAS	m_e

Event 11205002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/05	01:01:28.49			52.1900	-167.5010				33.0			14		76.48	81.53	m i ke	BGR
11205008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11205008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.41		P	01:13:19.270	-0.1	359.2		5.54		TAS		14.6	1.09	m_e mb	5.0
ARSA	80.77		P	01:13:37.940		359.2		5.54		TAS		22.5	1.11	m_e mb	5.1
BRG	77.17		P	01:13:17.425	-0.8	359.2		5.54		TAS		6.7	0.95	m_e mb	4.8
CLL	76.74		P	01:13:15.232	-0.1	359.2		5.54		TAS		9.4	1.14	m_e mb	4.8
GEC2	79.20		P	01:13:29.405		359.2		5.54		TAS		18.5	1.21	m_e mb	5.0
GTTG	76.48		P	01:13:14.252	0.2	359.2		5.54		TAS		21.1	0.97	m_e mb	5.2
KBA	80.97		P	01:13:39.356		359.2		5.54		TAS		54.6	0.88	m_e mb	5.6
MOX	77.40		P	01:13:19.089	0.2	359.2		5.54		TAS		10.0	0.86	m_e mb	5.0
OBKA	81.53		P	01:13:41.847		359.2		5.54		TAS		20.3	0.78	m_e mb	5.3
STU	79.24		P	01:13:29.473		359.2		5.54		TAS		45.7	1.15	m_e mb	5.4
TNS	77.77		P	01:13:21.274		359.2		5.54		TAS		26.1	1.38	m_e mb	5.2
UBR	80.35		P	01:13:34.646		359.2		5.54		TAS		34.8	1.63	m_e mb	5.0

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WET	78.91	P	01:13:27.342	359.2	5.54	TAS	15.0	1.28	m_e	mb	4.9
WTTA	80.79	P	01:13:37.753	359.2	5.54	TAS	14.0	0.76	m_e	mb	5.1

Event 11205003 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/05	02:14:21.61			28.3390	130.8230				33.0					84.75	85.55	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11205009
Ms	5.2		BGR	11205009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.55		P	02:26:55.930		57.7		4.82		TAS		17.2	1.42	m_e	mb 5.0
GRA1	85.55		L	03:07:26.325						T__		828.2	18.10	a_e	Ms 5.2
MOX	84.75		L	03:07:30.668						T__		1130.2	18.10	a_e	Ms 5.3

Event 11205005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2021/12/05	07:45:05.80			-21.7900	-173.9490				10.0					7	147.65	153.36	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	11205011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.36		PKPbc	08:05:05.654		10.2		2.20		TAS				m_e	
BSEG	147.65		PKPbc	08:04:54.181	1.2	10.2		2.20		TAS				m_e	
CLL	149.96		PKPbc	08:04:56.532		10.2		2.20		TAS				m_e	
GEC2	152.24		PKPbc	08:05:02.132		10.2		2.20		TAS				m_e	
GRA1	151.77		L	09:13:48.612						T__		388.1	21.30	a_e	Ms 5.2
IBBN	149.42		PKPbc	08:04:55.901	-0.8	10.2		2.20		TAS				m_e	
MOX	150.78		L	09:13:19.162						T__		430.8	19.80	a_e	Ms 5.2
PLN	150.87		PKPbc	08:04:59.309		10.2		2.20		TAS				m_e	
RUE	148.71		PKPbc	08:04:54.711	-1.2	10.2		2.20		TAS				m_e	

Event 11205006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2021/12/05 09:24:25.90 -15.1690 -173.0760 10.0 145.30 145.30 m i ke NEIC
 11205045

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.30		PKPbc	09:44:05.518		7.3		2.95		TAS					m_e

Event 11205008 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/05	21:46:50.33	4.93	0.40	38.7140	43.2080	93.4	57.8	138	10.0				18	346	23.44	28.45	m i ke BGR

OrigID
 11205014

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 11205014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	28.01		P	21:52:40.886	0.3					T__		13.0	0.85	m_e mb	4.8
BFO	26.84		P	21:52:30.700	0.6					T__		7.6	1.07	m_e mb	4.3
BSEG	27.02		P	21:52:31.532	-0.1					T__		10.6	0.90	m_e mb	4.6
BUG	28.07		P	21:52:41.617						T__		5.9	0.97	m_e mb	4.4
CLL	24.58		P	21:52:09.104	-0.2					T__		10.3	0.74	m_e mb	4.6
FLT1	25.95		P	21:52:21.843	-0.2					T__		35.4	0.79	m_e mb	5.0
FUR	24.87		P	21:52:11.996	-0.1					T__		33.6	0.78	m_e mb	5.1
GEC2	23.44		P	21:51:59.145	0.8					T__		21.5	0.99	m_e mb	4.6
GOR1	26.13		P	21:52:23.908	0.2					T__		73.3	1.55	m_e mb	5.1
GRA1	25.22		P	21:52:15.416	0.1					T__		19.3	0.85	m_e mb	4.9
IBBN	27.98		P	21:52:40.953	0.6					T__		67.1	1.27	m_e mb	5.3
KAST	27.32		P	21:52:34.473	0.1					T__		10.4	0.83	m_e mb	4.6
MOX	25.22		P	21:52:14.728	-0.6					T__		5.7	0.81	m_e mb	4.3
PLN	24.84		P	21:52:11.356	-0.4					T__		2.6	0.93	m_e mb	4.0
TANN	24.64		P	21:52:09.613	-0.2					T__		2.7	0.80	m_e mb	4.0
TNS	27.08		P	21:52:32.487	0.2					T__		21.5	0.97	m_e mb	4.8
UBR	25.57		P	21:52:17.759	-0.8					T__		39.1	0.83	m_e mb	5.1
WET	24.04		P	21:52:04.262	0.1					T__		22.2	0.99	m_e mb	4.7
WLF	28.45		P	21:52:44.135	-0.4					T__		16.4	0.91	m_e mb	4.9

Event 11206001 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/06	04:19:46.66			-29.1000	-175.2200				33.0				11	154.78	160.52	m i ke	BGR

OrigID

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2021/12/06 22:35:55.90 -48.4500 31.4100 10.0 99.34 100.22 m i ke EMSC
11206035

Magnitude Err Nsta Author OrigID
Ms 4.9 BGR 11206009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	99.34		PP	22:53:39.503						T__					m_e
GRA1	99.34		L	23:36:42.567						T__		302.9	19.40	a_e	Ms 4.8
MOX	100.22		L	23:37:50.492						T__		364.8	18.60	a_e	Ms 4.9

Event 11207001 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/07	02:13:37.31		29.1640	129.6050					33.0					83.47	84.27	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 11207007
Ms 4.6 BGR 11207007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.27		P	02:26:05.164		57.4		4.64		TAS		16.2	1.11	m_e	mb 5.2
GRA1	84.27		L	03:06:08.379						T__		228.3	20.30	a_e	Ms 4.5
MOX	83.47		L	03:06:29.699						T__		325.6	20.40	a_e	Ms 4.7

Event 11207004 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/07	15:03:17.00		-28.3650	-176.3700					23.0				9	153.91	159.65	m i ke	NEIC

Magnitude Err Nsta Author OrigID
Ms 4.8 BGR 11207010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	159.65		PKPab	15:23:54.411		19.8		4.60		TAS					m_e
BSEG	153.91		PKPab	15:23:28.271	0.1	19.8		4.60		TAS					m_e
CLL	155.95		PKPab	15:23:36.545		19.8		4.60		TAS					m_e
FLT1	155.32		PKPab	15:23:33.451	0.3	19.8		4.60		TAS					m_e
FUR	159.29		PKPab	15:23:52.113		19.8		4.60		TAS					m_e
GRA1	157.85		L	16:14:55.576						T__		150.3	18.80	a_e	Ms 4.8
GTTG	156.28		PKPab	15:23:38.585		19.8		4.60		TAS					m_e

MOX	156.86	L	16:15:30.028							T__	146.0	19.90	a_e	Ms	4.8
PLN	156.90	PKPab	15:23:40.987	19.8	4.60					TAS			m_e		
TNS	157.78	PKPab	15:23:45.224	19.8	4.60					TAS			m_e		
WET	158.00	PKPab	15:23:45.997	19.8	4.60					TAS			m_e		

Event 11207005 Near coast of Venezuela

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/07	17:16:00.23			10.6880	-62.7360				33.0					71.55	71.55	m i ke	BGR
OrigID																	
11207011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	11207011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	71.55		P	17:27:18.191		259.4		6.34		TAS		6.7	1.09	m_e mb	4.7

Event 11207006 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/07	17:29:28.33			37.3730	142.5440				33.0					83.12	83.12	m i ke	BGR
OrigID																	
11207012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11207012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.12		P	17:41:50.187		41.1		4.48		TAS		24.3	1.39	m_e mb	5.2

Event 11207007 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/07	21:30:22.06			43.9980	-128.9330				33.0					80.30	80.30	m i ke	BGR
OrigID																	
11207013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11207013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.30		P	21:42:28.919		338.0		4.78		TAS		31.5	1.67	m_e mb	5.0

Event 11207008 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/07	21:57:58.30			43.9950	-129.6870				10.0			14		76.51	84.37	m i ke	NEIC
OrigID 11207047																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11207014
Ms	5.2		BGR	11207014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.50		P	22:09:58.839	0.2	332.6		5.37		TAS		42.7	1.39	m_e mb	5.3
ARSA	83.97		P	22:10:27.968		332.6		5.37		TAS		10.5	0.90	m_e mb	5.1
ASSE	78.21		P	22:09:57.022	0.5	332.6		5.37		TAS		13.1	0.87	m_e mb	5.1
BSEG	76.51		P	22:09:47.313	-0.3	332.6		5.37		TAS		51.9	1.34	m_e mb	5.5
CLL	79.60		P	22:10:04.302		332.6		5.37		TAS		10.6	0.91	m_e mb	4.8
FLT1	78.19		P	22:09:56.563	0.1	332.6		5.37		TAS		16.1	1.03	m_e mb	5.1
FUR	81.90		P	22:10:17.674		332.6		5.37		TAS		17.6	0.72	m_e mb	5.3
GEC2	82.01		P	22:10:17.409		332.6		5.37		TAS		9.3	1.01	m_e mb	4.9
GRA1	80.53		L	22:47:14.433						T__		939.5	18.10	a_e Ms	5.2
MOX	79.80		P	22:10:05.797		332.6		5.37		TAS		7.3	0.91	m_e mb	4.6
MOX	79.80		L	22:46:47.073						T__		943.1	18.60	a_e Ms	5.2
OBKA	84.37		P	22:10:29.249		332.6		5.37		TAS		11.4	0.86	m_e mb	5.1
RUE	78.76		P	22:10:00.363	0.1	332.6		5.37		TAS		22.4	1.05	m_e mb	5.1
SQTA	82.72		P	22:10:21.819		332.6		5.37		TAS		11.0	1.05	m_e mb	5.0
WET	81.51		P	22:10:14.867		332.6		5.37		TAS		4.4	1.03	m_e mb	4.5
WTTA	82.82		P	22:10:22.259		332.6		5.37		TAS		10.2	0.92	m_e mb	5.0

Event 11208002 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	00:36:38.80			43.7730	-129.6770				10.0			12		76.71	84.57	m i ke	NEIC
OrigID 11208041																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11208008
Ms	5.5		BGR	11208008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.70		P	00:48:40.234	-1.4	334.9		5.18		TAS		11.0	0.98	m_e mb	4.8
ARSA	84.17		P	00:49:09.032		334.9		5.18		TAS		23.6	1.07	m_e mb	5.3
ASSE	78.41		P	00:48:38.769	1.1	334.9		5.18		TAS				m_e	

BFO	81.02	P	00:48:52.632		334.9	5.18	TAS	63.1	1.71	m_e	mb	5.4
BSEG	76.71	P	00:48:29.184	0.1	334.9	5.18	TAS	35.2	1.13	m_e	mb	5.4
CLL	79.80	P	00:48:45.955		334.9	5.18	TAS	14.8	1.00	m_e	mb	4.9
FLT1	78.39	P	00:48:38.473	0.2	334.9	5.18	TAS	21.3	1.10	m_e	mb	5.1
GEC2	82.21	P	00:48:58.374		334.9	5.18	TAS	10.3	1.08	m_e	mb	4.9
GRA1	80.73	P	00:48:51.918		334.9	5.18	TAS	121.5	1.59	m_e	mb	5.7
GRA1	80.73	L	01:23:56.044				T__	2073.5	21.40	a_e	Ms	5.5
KBA	83.70	P	00:49:06.614		334.9	5.18	TAS	20.6	1.11	m_e	mb	5.3
LESA	83.19	P	00:49:03.801		334.9	5.18	TAS	17.5	1.15	m_e	mb	5.2
MOX	80.00	P	00:48:47.045		334.9	5.18	TAS	24.8	1.20	m_e	mb	5.0
MOX	80.00	L	01:26:14.226				T__	2138.5	18.10	a_e	Ms	5.5
OBKA	84.57	P	00:49:10.279		334.9	5.18	TAS	20.1	0.95	m_e	mb	5.3
PLN	80.30	P	00:48:48.549		334.9	5.18	TAS	32.1	1.90	m_e	mb	4.9
SQTA	82.92	P	00:49:02.832		334.9	5.18	TAS	50.9	1.60	m_e	mb	5.5
WET	81.71	P	00:48:54.290		334.9	5.18	TAS	26.0	1.34	m_e	mb	5.2
WLF	79.15	P	00:48:43.389		334.9	5.18	TAS	46.0	1.37	m_e	mb	5.3
WTTA	83.01	P	00:49:03.949		334.9	5.18	TAS	57.1	1.63	m_e	mb	5.5

Event 11208003 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	01:21:12.63			44.3710	-129.8310				33.0					79.49	80.23	m i ke	BGR
11208009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11208009
Ms	5.3		BGR	11208009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	80.23		P	01:33:19.106		338.4		4.76		TAS		53.1	1.31	m_e	mb	5.3
GRA1	80.23		L	02:08:01.998						T__		1903.1	21.50	a_e	Ms	5.4
MOX	79.49		L	02:09:34.613						T__		1418.3	20.30	a_e	Ms	5.3

Event 11208004 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	05:15:31.23			44.5840	-129.5580				33.0					79.22	79.96	m i ke	BGR
11208010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11208010
Ms	5.0		BGR	11208010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.96		P	05:27:36.217		338.3		4.82		TAS		25.8	1.13	m_e	mb 5.1
GRA1	79.96		L	06:05:55.142						T__		667.8	19.40	a_e	Ms 5.0
MOX	79.22		L	06:05:06.824						T__		675.9	19.30	a_e	Ms 5.0

Event 11208005 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	05:43:39.57			44.4090	-129.9180				33.0					79.48	80.22	m i ke	BGR
OrigID 11208011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11208011
Ms	5.0		BGR	11208011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.22		P	05:55:46.000		339.9		4.80		TAS		27.7	1.12	m_e	mb 5.1
GRA1	80.22		L	06:33:02.439						T__		847.7	18.00	a_e	Ms 5.1
MOX	79.48		L	06:33:29.424						T__		635.0	19.80	a_e	Ms 5.0

Event 11208006 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	07:18:33.03			44.2470	-129.8780				33.0					79.62	80.36	m i ke	BGR
OrigID 11208012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11208012
Ms	5.2		BGR	11208012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.36		P	07:30:40.187		336.6		4.72		TAS		27.8	1.43	m_e	mb 5.0
GRA1	80.36		L	08:08:10.978						T__		952.7	18.60	a_e	Ms 5.2
MOX	79.62		L	08:07:08.027						T__		884.4	19.30	a_e	Ms 5.1

Event 11208007 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
2021/12/08	07:22:17.60			37.8060	141.6180				33.0				21	79.20	84.61	m i ke	BGR
OrigID 11208013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11208013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.26		P	07:34:39.939	0.2	37.4		5.23		TAS		20.3	0.99	m_e	mb 5.3
ASSE	80.65		P	07:34:25.952	-0.1	37.4		5.23		TAS		15.2	0.95	m_e	mb 5.0
BFO	84.61		P	07:34:46.535	-0.3	37.4		5.23		TAS		25.2	0.78	m_e	mb 5.5
BSEG	79.34		P	07:34:19.173	-0.0	37.4		5.23		TAS		29.2	0.88	m_e	mb 5.3
BUG	82.45		P	07:34:35.699	0.2	37.4		5.23		TAS		5.4	0.76	m_e	mb 4.8
CLL	80.41		P	07:34:24.499	-0.3	37.4		5.23		TAS		29.3	0.91	m_e	mb 5.3
FLT1	80.28		P	07:34:23.654	-0.5	37.4		5.23		TAS		30.5	0.85	m_e	mb 5.2
FUR	83.58		P	07:34:41.248	-0.2	37.4		5.23		TAS		45.7	0.85	m_e	mb 5.7
GEC2	82.05		P	07:34:33.405	0.0	37.4		5.23		TAS		20.4	1.21	m_e	mb 5.1
GRA1	82.39		P	07:34:35.601	0.4	37.4		5.23		TAS		41.7	1.11	m_e	mb 5.5
GTTG	81.38		P	07:34:29.979	0.1	37.4		5.23		TAS		34.9	1.17	m_e	mb 5.3
IBBN	81.57		P	07:34:30.774	-0.1	37.4		5.23		TAS		49.2	0.67	m_e	mb 5.8
KAST	82.23		P	07:34:34.449	0.1	37.4		5.23		TAS		85.8	1.89	m_e	mb 5.6
MOX	81.47		P	07:34:30.270	-0.1	37.4		5.23		TAS		10.0	0.71	m_e	mb 5.0
NEUB	80.98		P	07:34:27.457	-0.4	37.4		5.23		TAS		27.9	0.92	m_e	mb 5.3
PLN	81.39		P	07:34:30.036	0.1	37.4		5.23		TAS		3.7	1.17	m_e	mb 4.3
RUE	79.20		P	07:34:19.149	0.6	37.4		5.23		TAS		26.9	0.69	m_e	mb 5.4
STU	83.91		P	07:34:43.152	-0.1	37.4		5.23		TAS		140.9	1.43	m_e	mb 6.0
TANN	81.32		P	07:34:29.556	-0.1	37.4		5.23		TAS		4.8	0.90	m_e	mb 4.5
TNS	83.02		P	07:34:38.720	0.2	37.4		5.23		TAS		10.2	0.72	m_e	mb 5.2
WET	82.15		P	07:34:34.248	0.3	37.4		5.23		TAS		13.5	1.03	m_e	mb 5.0

Event 11208009 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	15:38:25.39			44.4310	-129.8750				33.0					79.45	80.19	m i ke	BGR
OrigID 11208015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11208015
Ms	5.0		BGR	11208015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.19		P	15:50:31.640		341.8		4.74		TAS		17.3	1.29	m_e	mb 4.8
GRA1	80.19		L	16:27:45.927						T__		576.7	18.20	a_e	Ms 5.0
MOX	79.45		L	16:28:28.068						T__		580.4	18.20	a_e	Ms 5.0

Event 11208010 Mongolia

./bul2112.txt Wed Jan 11 09:16:11 2023 18

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	16:46:49.88			44.3070	100.9100				33.0				15	56.00	59.54	m i ke	BGR
OrigID 11208016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11208016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	56.09		P	16:56:24.789	-0.1	57.9		7.04		TAS		11.6	0.73	m_e	mb	5.0
CLL	56.00		P	16:56:23.478	-0.6	57.9		7.04		TAS		12.4	0.65	m_e	mb	5.1
FETA	59.54		P	16:56:48.740		57.9		7.04		TAS		15.1	1.15	m_e	mb	4.9
FLT1	56.43		P	16:56:26.323	0.1	57.9		7.04		TAS		12.2	0.78	m_e	mb	5.0
GEC2	56.88		P	16:56:30.021	0.9	57.9		7.04		TAS		5.1	0.96	m_e	mb	4.5
GRA1	57.81		P	16:56:37.202		57.9		7.04		TAS		15.8	0.85	m_e	mb	5.1
GTTG	57.51		P	16:56:34.988		57.9		7.04		TAS		20.2	0.63	m_e	mb	5.3
IBBN	58.26		P	16:56:39.444		57.9		7.04		TAS		12.4	0.79	m_e	mb	5.0
KBA	58.01		P	16:56:38.798		57.9		7.04		TAS		18.9	1.03	m_e	mb	5.1
MOX	57.09		P	16:56:31.626	-0.2	57.9		7.04		TAS		8.1	0.85	m_e	mb	4.8
NEUB	56.73		P	16:56:28.971	0.0	57.9		7.04		TAS		62.6	2.00	m_e	mb	5.3
PLN	56.88		P	16:56:30.406	-0.1	57.9		7.04		TAS		30.5	2.40	m_e	mb	4.9
RETA	59.26		P	16:56:46.779		57.9		7.04		TAS		11.2	0.97	m_e	mb	4.9
SQTA	59.16		P	16:56:45.778		57.9		7.04		TAS		12.0	0.85	m_e	mb	5.0
WET	57.18		P	16:56:32.424	-0.1	57.9		7.04		TAS		4.1	0.76	m_e	mb	4.5

Event 11208011 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/08	22:21:54.94			44.6100	-129.3550				33.0					79.14	79.87	m i ke	BGR
OrigID 11208017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	11208017
Ms	4.7		BGR	11208017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	79.87		P	22:33:59.473		338.4		4.75		TAS		15.8	1.59	m_e	mb	4.7
GRA1	79.87		L	23:13:40.045						T__		276.6	19.20	a_e	Ms	4.6
MOX	79.14		L	23:11:27.585						T__		427.5	18.20	a_e	Ms	4.8

Event 11209002 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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2021/12/09 02:05:12.92 30.8600 130.8200 15.8 1.9 20 81.09 85.90 m i ke BGR
11209008

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 11209008
MBB 6.4 BGR 11209008
Ms 6.3 BGR 11209008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.86		P	02:17:45.185	0.1	49.0		5.10		TAS		23.2	0.99	m_e	MBB 6.6
ASSE	82.12		P	02:17:30.988		49.0		5.10		TAS				m_e	
BFO	85.80		P	02:17:49.803		49.0		5.10		TAS				m_e	
BSEG	81.09		P	02:17:25.245	-0.7	49.0		5.10		TAS		8.6	0.94	m_e	mb 4.8
BSEG	81.09		pP	02:17:30.375	-0.7					T__				m_e	
BUG	84.14		P	02:17:41.153	0.4	49.0		5.10		TAS		7.0	0.91	m_e	MBB 6.0
CLL	81.56		P	02:17:28.479	0.0	49.0		5.10		TAS		13.3	0.62	m_e	MBB 6.2
FLT1	81.73		P	02:17:28.882	0.7	49.0		5.10		TAS		9.9	0.86	m_e	MBB 6.3
FLT1	81.73		pP	02:17:33.592	-0.7					T__				m_e	
FUR	84.46		P	02:17:42.629		49.0		5.10		TAS		65.0	1.23	m_e	MBB 6.7
GEC2	82.79		P	02:17:34.468		49.0		5.10		TAS		5.6	0.72	m_e	MBB 6.2
GRA1	83.48		P	02:17:37.976		49.0		5.10		TAS		23.9	0.89	m_e	MBB 6.5
GRA1	83.48		L	02:59:38.984						T__	13303.1	18.20	18.20	a_e	Ms 6.3
GTTG	82.84		P	02:17:34.846	0.4	49.0		5.10		TAS		30.1	0.71	m_e	MBB 6.5
IBBN	83.32		P	02:17:37.315		49.0		5.10		TAS		41.6	0.73	m_e	MBB 6.5
KAST	83.79		P	02:17:40.011	0.3	49.0		5.10		TAS		14.0	0.73	m_e	MBB 6.4
KAST	83.79		pP	02:17:44.428	-0.7					T__				m_e	
MOX	82.66		P	02:17:34.021	-0.3	49.0		5.10		TAS		8.1	0.89	m_e	MBB 6.5
MOX	82.66		pP	02:17:38.568	-0.7					T__				m_e	
MOX	82.66		L	02:58:24.414						T__	12957.6	18.70	18.70	a_e	Ms 6.3
NEUB	82.22		P	02:17:32.077	-0.3	49.0		5.10		TAS		20.5	0.81	m_e	MBB 6.6
TANN	82.40		P	02:17:32.452	-0.1	49.0		5.10		TAS		24.3	1.45	m_e	MBB 6.2
TNS	84.44		P	02:17:43.228	0.0	49.0		5.10		TAS		36.2	1.24	m_e	MBB 6.5
TNS	84.44		pP	02:17:47.384	-0.7					T__				m_e	
UBR	85.37		P	02:17:47.466		49.0		5.10		TAS				m_e	
WET	83.01		P	02:17:35.767		49.0		5.10		TAS				m_e	
WET	83.01		pP	02:17:40.315	-0.7					T__				m_e	
WLF	85.90		P	02:17:50.631	0.0	49.0		5.10		TAS		26.1	0.91	m_e	MBB 6.2

Event 11210001 Kermadec Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2021/12/10 13:27:55.60 -31.6050 -178.1580 30.0 160.54 160.54 m i ke NEIC
11210040

Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	160.54		PKPab	13:48:33.159		24.7		3.82		TAS					m_e

Event 11211001 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/11	15:29:45.90			-7.1150	128.7090				10.0					112.50	113.03	m i ke	NEIC
OrigID 11211040																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	11211007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	113.03		PP	15:49:15.766						T__					m_e
GRA1	113.03		L	16:44:47.830						T__		630.4	20.50	a_e Ms	5.2
MOX	112.50		L	16:43:31.659						T__		719.4	19.10	a_e Ms	5.3

Event 11211002 Off southeast coast of Hokkaido, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/11	21:34:08.98			42.6760	147.3870				33.0					80.21	80.21	m i ke	BGR
OrigID 11211008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	11211008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.21		P	21:46:15.394		31.5		4.64		TAS		4.8	0.91	m_e mb	4.4

Event 11212010 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	03:21:29.67			45.4500	140.6400				238.8				9	72.23	77.61	m i ke	BGR
OrigID 11212016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11212016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.16		P	03:32:52.609		33.9		5.71		TAS		19.5	1.07	m_e mb	5.2

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BFO	77.61	P	03:33:00.627		33.9	5.71	TAS	35.3	1.52	m_e	mb	5.3
BSEG	72.23	P	03:32:30.278	-0.3	33.9	5.71	TAS	12.5	0.86	m_e	mb	5.1
CLL	73.45	P	03:32:36.744		33.9	5.71	TAS	20.1	0.91	m_e	mb	5.2
FLT1	73.24	P	03:32:35.135	-0.4	33.9	5.71	TAS	15.7	0.82	m_e	mb	5.2
GEC2	75.20	P	03:32:47.198		33.9	5.71	TAS	4.4	0.86	m_e	mb	4.5
GRA1	75.43	P	03:32:49.139		33.9	5.71	TAS	38.7	1.29	m_e	mb	5.3
GRA1	75.43	pP	03:33:45.428				T__				m_e	
STU	76.93	P	03:32:56.539		33.9	5.71	TAS	26.5	0.84	m_e	mb	5.4
WET	75.27	P	03:32:47.473		33.9	5.71	TAS	19.3	1.26	m_e	mb	5.0

Event 11212002 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	03:30:56.56			36.0450	139.7440				33.0			18		79.98	85.40	m i ke	BGR
11212008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11212008
Ms	4.8		BGR	11212008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	81.48		P	03:43:09.562		39.6		5.17		TAS		8.7	1.02	m_e	mb	4.8
BFO	85.40		P	03:43:29.648		39.6		5.17		TAS		46.1	1.46	m_e	mb	5.5
BSEG	80.22		P	03:43:03.129	-0.5	39.6		5.17		TAS		40.7	1.19	m_e	mb	5.2
CLL	81.18		P	03:43:07.878	-0.3	39.6		5.17		TAS		30.5	1.01	m_e	mb	5.3
FLT1	81.11		P	03:43:07.270	0.3	39.6		5.17		TAS		42.7	1.28	m_e	mb	5.3
FUR	84.30		P	03:43:24.690		39.6		5.17		TAS		34.7	0.96	m_e	mb	5.6
GEC2	82.74		P	03:43:16.139		39.6		5.17		TAS		20.5	1.30	m_e	mb	5.2
GOR1	80.57		P	03:43:05.165	0.3	39.6		5.17		TAS		37.9	1.28	m_e	mb	5.3
GRA1	83.15		P	03:43:18.562		39.6		5.17		TAS		30.2	0.90	m_e	mb	5.5
GRA1	83.15		L	04:13:08.263						T__		439.9	18.10	a_e	Ms	4.9
GTTG	82.21		P	03:43:13.722	-0.0	39.6		5.17		TAS		19.9	0.93	m_e	mb	5.2
IBBN	82.46		P	03:43:15.373		39.6		5.17		TAS		15.0	0.67	m_e	mb	5.3
KAST	83.08		P	03:43:17.799		39.6		5.17		TAS		10.8	1.09	m_e	mb	5.0
MOX	82.25		P	03:43:13.628		39.6		5.17		TAS		16.6	1.30	m_e	mb	5.0
MOX	82.25		L	04:19:48.385						T__		294.1	20.40	a_e	Ms	4.6
NEUB	81.77		P	03:43:11.237		39.6		5.17		TAS		35.3	0.99	m_e	mb	5.5
RUE	79.98		P	03:43:01.706		39.6		5.17		TAS		36.3	1.17	m_e	mb	5.2
STU	84.70		P	03:43:26.214		39.6		5.17		TAS		90.9	1.29	m_e	mb	5.8
TANN	82.08		P	03:43:12.815		39.6		5.17		TAS		6.6	0.95	m_e	mb	4.7
WET	82.87		P	03:43:16.618		39.6		5.17		TAS		14.0	1.21	m_e	mb	5.1

Event 11212003 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	06:43:28.83			25.0100	123.1420				29.0	1.4		12		82.40	85.93	m i ke	BGR
OrigID 11212009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	82.41	P		06:55:47.905	0.0	57.7		5.08		TAS		33.3	1.06	m_e mb	5.5
CLL	82.40	P		06:55:47.815		57.7		5.08		TAS		19.5	1.00	m_e mb	5.3
FLT1	82.80	P		06:55:49.660	0.1	57.7		5.08		TAS		17.5	0.77	m_e mb	5.4
FUR	85.01	P		06:56:01.521		57.7		5.08		TAS		43.2	1.48	m_e mb	5.5
GEC2	83.28	P		06:55:53.010		57.7		5.08		TAS		10.2	0.93	m_e mb	5.0
GEC2	83.28	pP		06:56:01.330						T__				m_e	
GOR1	82.42	P		06:55:48.146	0.2	57.7		5.08		TAS		44.3	1.22	m_e mb	5.6
GRA1	84.22	L		07:47:44.930						T__		393.2	20.90	a_e Ms	4.8
MOX	83.50	P		06:55:53.464		57.7		5.08		TAS		10.0	0.97	m_e mb	5.0
MOX	83.50	L		07:39:13.471						T__		395.2	18.80	a_e Ms	4.8
NEUB	83.12	P		06:55:51.721		57.7		5.08		TAS		25.9	0.96	m_e mb	5.4
PLN	83.29	P		06:55:52.288		57.7		5.08		TAS		5.2	1.25	m_e mb	4.6
PLN	83.29	pP		06:56:01.139						T__				m_e	
TANN	83.16	P		06:55:51.965		57.7		5.08		TAS		11.2	1.17	m_e mb	5.0
UBR	85.93	P		06:56:05.764		57.7		5.08		TAS		6.6	0.78	m_e mb	4.8
UBR	85.93	pP		06:56:13.891						T__				m_e	

Event 11212004 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	08:58:08.20			-60.6840	153.9780				10.0					156.41	156.85	m i ke	NEIC
OrigID 11212043																	

Magnitude Err Nsta Author OrigID
Ms 6.3 BGR 11212010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	156.41	PKPab		09:18:27.107		132.0		5.42		TAS				m_e	
GRA1	156.41	L		10:40:51.131						T__		4322.9	21.90	a_e Ms	6.2
MOX	156.85	L		10:40:45.639						T__		4976.4	21.70	a_e Ms	6.3

Event 11212006 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	09:55:40.93			57.0190	-157.8470				33.0			8		70.27	75.06	m i ke	BGR
OrigID																	

11212012

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11212012
Ms	5.7		BGR	11212012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	70.68		P	10:06:52.155		353.8		5.93		TAS		15.7	1.08	m_e	mb	5.1
BUG	71.08		P	10:06:54.609		353.8		5.93		TAS		5.7	0.71	m_e	mb	4.8
CLL	71.65		P	10:06:57.828		353.8		5.93		TAS		6.5	0.60	m_e	mb	4.9
FALKS	71.17		P	10:06:55.252		353.8		5.93		TAS		6.1	0.83	m_e	mb	4.8
FLT1	70.52		P	10:06:50.994		353.8		5.93		TAS		8.2	0.88	m_e	mb	4.9
FUR	74.67		P	10:07:15.759		353.8		5.93		TAS		20.2	0.78	m_e	mb	5.2
GEC2	74.14		P	10:07:12.654		353.8		5.93		TAS		7.6	0.80	m_e	mb	4.8
GRA1	73.14		L	10:40:51.133						T__		4322.9	21.90	a_e	Ms	5.7
GTTG	71.21		P	10:06:55.985		353.8		5.93		TAS		14.2	0.84	m_e	mb	5.1
IBBN	70.27		P	10:06:50.122		353.8		5.93		TAS		9.7	0.73	m_e	mb	5.0
KAST	71.42		P	10:06:56.701		353.8		5.93		TAS		11.0	1.14	m_e	mb	4.9
LUEB	70.36		P	10:06:50.735		353.8		5.93		TAS		12.2	0.62	m_e	mb	5.2
MOX	72.22		P	10:07:01.465		353.8		5.93		TAS		12.4	0.71	m_e	mb	5.1
MOX	72.22		L	10:40:45.596						T__		4976.4	21.70	a_e	Ms	5.8
NEUB	71.68		P	10:06:58.290		353.8		5.93		TAS		15.4	0.65	m_e	mb	5.3
PLN	72.42		P	10:07:02.673		353.8		5.93		TAS		2.5	0.79	m_e	mb	4.4
STU	73.90		P	10:07:11.406		353.8		5.93		TAS		23.4	0.56	m_e	mb	5.4
TNS	72.40		P	10:07:02.617		353.8		5.93		TAS		9.6	0.75	m_e	mb	5.0
UBR	75.06		P	10:07:17.812		353.8		5.93		TAS		6.3	0.81	m_e	mb	4.7
WET	73.79		P	10:07:11.094		353.8		5.93		TAS		10.6	1.21	m_e	mb	4.7
WLF	72.73		P	10:07:05.012		353.8		5.93		TAS		11.4	0.86	m_e	mb	5.0

Event 11212007 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	19:04:48.96	3.38		49.9500	153.4600	57.8	13.3	9	85.0			30		71.82	77.47	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11212013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.73		P	19:16:26.364	-0.2	24.3		5.77		TAS		88.1	1.94	m_e	mb	5.6
ASSE	73.39		P	19:16:12.871	-0.3	24.3		5.77		TAS		74.2	1.85	m_e	mb	5.4
BFO	77.47		P	19:16:36.064		24.3		5.77		TAS				m_e		
BSEG	71.82		P	19:16:04.056	0.0	24.3		5.77		TAS		12.9	0.85	m_e	mb	5.1
BUG	74.84		P	19:16:21.200	-0.0	24.3		5.77		TAS		3.7	0.76	m_e	mb	4.5
CLL	73.53		P	19:16:13.474	0.2	24.3		5.77		TAS		20.7	0.81	m_e	mb	5.2
FLT1	73.06		P	19:16:10.625	-0.1	24.3		5.77		TAS		18.1	0.92	m_e	mb	5.1

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FUR	76.86	P	19:16:33.029		24.3	5.77	TAS	19.4	0.54	m_e	mb	5.5
GEC2	75.57	P	19:16:25.377	0.3	24.3	5.77	TAS	4.9	0.87	m_e	mb	4.7
GOR1	72.44	P	19:16:07.545	-0.0	24.3	5.77	TAS	60.7	1.45	m_e	mb	5.5
GRA1	75.48	P	19:16:25.309	-0.1	24.3	5.77	TAS	23.7	0.77	m_e	mb	5.4
GRA1	75.48	pP	19:16:47.329				T__			m_e		
GTTG	74.10	P	19:16:17.310	-0.1	24.3	5.77	TAS	33.3	1.60	m_e	mb	5.1
HKWD	74.16	pP	19:16:39.322				T__			m_e		
IBBN	73.93	P	19:16:16.160	0.1	24.3	5.77	TAS			m_e		
KAST	74.80	P	19:16:21.109	0.4	24.3	5.77	TAS	89.1	1.89	m_e	mb	5.5
MOX	74.50	P	19:16:19.278	0.3	24.3	5.77	TAS	8.7	0.81	m_e	mb	4.8
NEUB	73.96	P	19:16:15.908	0.1	24.3	5.77	TAS	52.3	1.68	m_e	mb	5.3
PLN	74.50	P	19:16:19.498	-0.1	24.3	5.77	TAS	6.7	1.26	m_e	mb	4.5
RETH	73.15	P	19:16:11.504	-0.3	24.3	5.77	TAS	19.5	1.20	m_e	mb	5.0
RUE	72.27	P	19:16:06.503	-0.4	24.3	5.77	TAS	20.5	0.76	m_e	mb	5.3
STU	76.85	P	19:16:32.724		24.3	5.77	TAS	157.9	1.88	m_e	mb	5.8
TANN	74.49	P	19:16:19.381	0.1	24.3	5.77	TAS	31.4	1.78	m_e	mb	5.0
TNS	75.69	P	19:16:26.143	0.1	24.3	5.77	TAS	12.3	0.74	m_e	mb	5.1
WERN	74.63	pP	19:16:42.249				T__			m_e		
WET	75.52	P	19:16:25.630	-0.0	24.3	5.77	TAS	12.5	0.92	m_e	mb	5.0
WLF	76.76	P	19:16:32.655	-0.5	24.3	5.77	TAS	111.9	2.22	m_e	mb	5.6

Event 11212009 South of Africa

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/12	22:11:35.90			-52.6990	22.0430				10.0					102.47	103.39	m i ke	NEIC
11212048																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	11212015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	102.47		PP	22:29:45.842						T__				m_e		
GRA1	102.47		L	23:15:46.968						T__		479.8	18.80	a_e	Ms	5.0
MOX	103.39		L	23:11:56.563						T__		511.4	18.60	a_e	Ms	5.1

Event 11213001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/13	00:36:45.68			-22.9280	-178.5750				598.8	2.9		22		148.24	154.26	m i ke	BGR
11213007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.91		PKPbc	00:55:31.490	0.0	19.6		2.27		TAS				m_e	
BSEG	148.24		PKPbc	00:55:27.326	-0.1	19.6		2.27		TAS				m_e	
BUG	151.09		PKPbc	00:55:34.165	0.3	19.6		2.27		TAS				m_e	
BUG	151.09		pPKPbc	00:57:51.979						T__				m_e	
CLL	150.21		PKPbc	00:55:32.154	0.2	19.6		2.27		TAS				m_e	
CLL	150.21		pPKPbc	00:57:49.272						T__				m_e	
FLT1	149.61		PKPbc	00:55:30.566	-0.2	19.6		2.27		TAS				m_e	
GEC2	152.29		PKPbc	00:55:36.797		19.6		2.27		TAS				m_e	
GOR1	148.97		PKPbc	00:55:29.586	-0.2	19.6		2.27		TAS				m_e	
GRA1	152.12		PKPbc	00:55:36.605	0.3	19.6		2.27		TAS				m_e	
GTTG	150.59		PKPbc	00:55:33.288	0.2	19.6		2.27		TAS				m_e	
IBBN	150.18		PKPbc	00:55:32.219	0.2	19.6		2.27		TAS				m_e	
KAST	151.17		PKPbc	00:55:34.657	-0.1	19.6		2.27		TAS				m_e	
MOX	151.13		PKPbc	00:55:34.323	0.1	19.6		2.27		TAS				m_e	
NEUB	150.58		PKPbc	00:55:33.153	0.1	19.6		2.27		TAS				m_e	
PLN	151.17		PKPbc	00:55:34.582	0.0	19.6		2.27		TAS				m_e	
RETH	149.54		PKPbc	00:55:30.890	-0.0	19.6		2.27		TAS				m_e	
RUE	148.94		PKPbc	00:55:29.173	0.1	19.6		2.27		TAS				m_e	
STU	153.40		PKPbc	00:55:39.463		19.6		2.27		TAS				m_e	
TANN	151.16		PKPbc	00:55:34.501	0.1	19.6		2.27		TAS				m_e	
TNS	152.12		PKPbc	00:55:36.663	0.0	19.6		2.27		TAS				m_e	
UBR	154.26		PKPbc	00:55:40.885		19.6		2.27		TAS				m_e	
WET	152.24		PKPbc	00:55:36.696	-0.5	19.6		2.27		TAS				m_e	
WET	152.24		pPKPbc	00:57:53.525						T__				m_e	
WLF	152.97		PKPbc	00:55:39.076		19.6		2.27		TAS				m_e	

Event 11213002 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/13	07:03:01.80			13.8100	-92.0900				185.0	4.1		26		84.83	90.19	m i ke	BGR
OrigID 11213008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11213008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.17		P	07:15:17.700	0.2	288.2		4.84		TAS		11.9	0.84	m_e mb	5.2
AHRW	85.17		pP	07:16:03.038	-0.5	288.5		5.04		TAS		49.1	1.13	m_e mb	5.5
ASSE	86.85		P	07:15:25.854	0.3	288.2		4.84		TAS		17.0	1.02	m_e mb	5.1
BFO	86.58		P	07:15:22.927	0.3	288.2		4.84		TAS		23.3	1.28	m_e mb	5.2
BFO	86.58		pP	07:16:09.089	-0.1	288.5		5.04		TAS		13.7	1.05	m_e mb	5.1
BIOA	90.15		pP	07:16:27.511		288.5		5.04		TAS				m_e	
BSEG	86.08		P	07:15:21.882	0.2	288.2		4.84		TAS		28.3	0.83	m_e mb	5.4
BSEG	86.08		pP	07:16:07.942	0.2	288.5		5.04		TAS		40.9	0.98	m_e mb	5.6
DAVA	87.89		P	07:15:31.295		288.2		4.84		TAS		19.1	0.93	m_e mb	5.4

Station	Mag	Type	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
DAVA	87.89	pP	07:16:16.826		288.5					5.04	TAS							m_e	
FETA	88.52	pP	07:16:19.770		288.5					5.04	TAS							m_e	
FLT1	87.11	P	07:15:26.275	0.0	288.2					4.84	TAS	18.3	0.95					m_e mb	5.2
FLT1	87.11	pP	07:16:12.646	0.1	288.5					5.04	TAS	30.7	1.01					m_e mb	5.5
GEC2	89.78	P	07:15:39.704		288.2					4.84	TAS	3.5	0.77					m_e mb	4.7
GOR1	86.94	pP	07:16:12.167	0.1	288.5					5.04	TAS	28.8	1.21					m_e mb	5.4
GRA1	87.97	pP	07:16:17.641		288.5					5.04	TAS	27.9	0.97					m_e mb	5.5
GTTG	86.62	P	07:15:24.717	-0.7	288.2					4.84	TAS	21.1	0.80					m_e mb	5.3
IBBN	85.09	pP	07:16:02.423	0.1	288.5					5.04	TAS	25.7	0.90					m_e mb	5.4
KAST	85.79	P	07:15:20.418	-0.1	288.2					4.84	TAS	11.5	1.05					m_e mb	4.9
KAST	85.79	pP	07:16:06.191	0.0	288.5					5.04	TAS	19.1	1.12					m_e mb	5.2
KBA	90.19	pP	07:16:28.108		288.5					5.04	TAS							m_e	
LESA	89.64	pP	07:16:25.205		288.5					5.04	TAS							m_e	
MOX	87.89	P	07:15:30.539		288.2					4.84	TAS	8.0	1.00					m_e mb	5.0
PLN	88.27	P	07:15:32.412		288.2					4.84	TAS	8.2	1.56					m_e mb	4.8
PLN	88.27	pP	07:16:17.663		288.5					5.04	TAS	8.1	1.10					m_e mb	4.9
RETH	85.90	P	07:15:21.261	-1.1	288.2					4.84	TAS	21.8	0.82					m_e mb	5.3
RETH	85.90	pP	07:16:06.172	0.3	288.5					5.04	TAS	50.2	1.09					m_e mb	5.7
SQTA	88.77	pP	07:16:21.023		288.5					5.04	TAS							m_e	
STU	87.00	P	07:15:26.428	-0.1	288.2					4.84	TAS							m_e	
TANN	88.48	P	07:15:33.463		288.2					4.84	TAS	20.4	1.51					m_e mb	5.1
TNS	86.10	P	07:15:22.078	0.2	288.2					4.84	TAS	22.5	0.68					m_e mb	5.4
TNS	86.10	pP	07:16:07.553	-0.8	288.5					5.04	TAS	32.1	0.96					m_e mb	5.5
UBR	87.91	P	07:15:30.755		288.2					4.84	TAS	11.3	1.01					m_e mb	5.2
UBR	87.91	pP	07:16:17.039	0.0	288.5					5.04	TAS	41.1	1.10					m_e mb	5.6
WET	89.17	P	07:15:36.823		288.2					4.84	TAS							m_e	
WET	89.17	pP	07:16:23.535		288.5					5.04	TAS	48.6	1.27					m_e mb	5.5
WLF	84.83	P	07:15:15.579	0.4	288.2					4.84	TAS	36.5	1.26					m_e mb	5.5
WLF	84.83	pP	07:16:01.152	-0.1	288.5					5.04	TAS	49.0	1.17					m_e mb	5.5

Event 11213003 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/13	09:12:19.76			12.1400	122.5300				105.9			13		92.41	96.40	m i ke	BGR
11213009																	

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 11213009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	93.40		P	09:25:23.546	-0.2	66.0		4.55		TAS		4.8	0.67	m_e mb	5.1
BFO	96.40		P	09:25:36.890		66.0		4.55		TAS		19.9	1.48	m_e mb	5.4
CLL	92.41		P	09:25:18.518	0.0	66.0		4.55		TAS		5.0	0.65	m_e mb	5.0
GEC2	92.94		P	09:25:21.372	0.1	66.0		4.55		TAS		7.2	0.98	m_e mb	5.1
GTTG	94.04		P	09:25:26.658		66.0		4.55		TAS		7.9	0.75	m_e mb	5.1
IBBN	94.93		P	09:25:30.503		66.0		4.55		TAS		10.4	0.76	m_e mb	5.3

./bul2112.txt

Wed Jan 11 09:16:11 2023

27

MOX	93.47	P	09:25:23.805		66.0	4.55	TAS	7.2	0.98	m_e	mb	5.0
MOX	93.47	pP	09:25:51.564				T__				m_e	
NEUB	93.16	P	09:25:22.405	-0.0	66.0	4.55	TAS	16.9	0.88	m_e	mb	5.5
PLN	93.22	P	09:25:22.663	-0.0	66.0	4.55	TAS	7.0	1.50	m_e	mb	4.9
STU	95.69	P	09:25:33.987		66.0	4.55	TAS	14.0	0.60	m_e	mb	5.7
TANN	93.07	P	09:25:22.032	0.2	66.0	4.55	TAS	66.2	2.07	m_e	mb	5.7
UBR	95.60	P	09:25:33.445		66.0	4.55	TAS	7.0	0.66	m_e	mb	5.3
WET	93.32	P	09:25:23.281	0.1	66.0	4.55	TAS	7.1	0.87	m_e	mb	5.1

Event 11213004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/13	11:44:50.10			-21.8400	170.2200				30.0			11		145.46	149.44	m i ke	EMSC
	11213036																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	11213010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
CLL	145.61		PKPbc	12:04:24.558	0.3	38.5		3.16		TAS				m_e		
FLT1	145.46		PKPbc	12:04:24.040	0.0	38.5		3.16		TAS				m_e		
GEC2	147.17		PKPbc	12:04:28.431		38.5		3.16		TAS				m_e		
GRA1	147.58		L	13:03:25.765						T__		300.3	19.10	a_e	Ms	5.1
GTTG	146.56		PKPbc	12:04:28.117		38.5		3.16		TAS				m_e		
IBBN	146.65		PKPbc	12:04:29.052		38.5		3.16		TAS				m_e		
MOX	146.67		L	13:16:45.536						T__		215.7	21.30	a_e	Ms	4.9
PLN	146.58		PKPbc	12:04:28.189		38.5		3.16		TAS				m_e		
TANN	146.52		PKPbc	12:04:27.351		38.5		3.16		TAS				m_e		
WET	147.31		PKPbc	12:04:29.941		38.5		3.16		TAS				m_e		
WLF	149.44		PKPbc	12:04:37.439		38.5		3.16		TAS				m_e		

Event 11213005 Southeast of Easter Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/13	21:44:58.40			-37.0290	-95.1260				10.0					127.09	127.59	m i ke	NEIC
	11213044																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	11213011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	127.09		PKPdf	22:04:02.019		254.1		2.22		TAS				m_e		
GRA1	127.09		L	22:52:02.569						T__		280.0	19.90	a_e	Ms	4.9

MOX 127.59 L 22:52:10.043 T__ 262.4 21.40 a_e Ms 4.9

Event 11214003 Flores Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/14	03:20:24.00			-7.6090	122.1980				16.0			26		107.09	112.52	m i ke	NEIC
OrigID 11214042																	

Magnitude	Err	Nsta	Author	OrigID
Ms 7.7		BGR		11214009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	111.72		Sdiff	03:47:26.274	0.5	81.1		8.75		TAS				a_e	
AHRW	111.72		SS	03:55:16.305	1.5	82.6		13.57		TAS				a_e	
AHRW	111.72		PP	03:39:49.293	0.1	84.0		7.44		TAS				a_e	
AHRW	111.72		SP	03:49:23.525		76.4		9.47		TAS				a_e	
AHRW	111.72		X	03:50:24.393	0.4	76.1		11.67		TAS				a_e	
ASSE	109.14		Sdiff	03:47:03.024	-0.8	81.1		8.75		TAS				a_e	
ASSE	109.14		SS	03:54:38.555	-2.5	82.6		13.57		TAS				a_e	
ASSE	109.14		Pdiff	03:35:00.029	-0.4	78.7		4.40		TAS				m_e	
ASSE	109.14		PP	03:39:31.093	0.1	84.0		7.44		TAS				a_e	
ASSE	109.14		SP	03:48:57.525	-2.4	76.4		9.47		TAS				a_e	
ASSE	109.14		X	03:49:53.593	0.0	76.1		11.67		TAS				a_e	
BFO	111.47		Sdiff	03:47:22.174	-0.5	81.1		8.75		TAS				a_e	
BFO	111.47		SS	03:55:08.455	-0.6	82.6		13.57		TAS				a_e	
BFO	111.47		Pdiff	03:35:10.569		78.7		4.40		TAS				m_e	
BFO	111.47		PP	03:39:45.493	-0.2	84.0		7.44		TAS				m_e	
BFO	111.47		SP	03:49:21.025		76.4		9.47		TAS				a_e	
BFO	111.47		X	03:50:21.393	-0.8	76.1		11.67		TAS				a_e	
BRG	107.39		Sdiff	03:46:48.124	0.5	81.1		8.75		TAS				a_e	
BRG	107.39		SS	03:54:16.755	1.3	82.6		13.57		TAS				a_e	
BRG	107.39		PP	03:39:17.193	0.5	84.0		7.44		TAS				a_e	
BRG	107.39		X	03:49:33.493	-0.2	76.1		11.67		TAS				a_e	
BSEG	108.94		Sdiff	03:47:03.824	0.8	81.1		8.75		TAS				a_e	
BSEG	108.94		SS	03:54:40.805	0.2	82.6		13.57		TAS				a_e	
BSEG	108.94		Pdiff	03:35:00.178	0.7	78.7		4.40		TAS				m_e	
BSEG	108.94		PP	03:39:31.543	0.5	84.0		7.44		TAS				a_e	
BSEG	108.94		SP	03:48:54.175	-0.5	76.4		9.47		TAS				a_e	
BSEG	108.94		X	03:49:50.793	0.1	76.1		11.67		TAS				a_e	
BUG	111.36		Sdiff	03:47:24.724	1.6	81.1		8.75		TAS				a_e	
BUG	111.36		SS	03:55:11.055	0.1	82.6		13.57		TAS				a_e	
BUG	111.36		PP	03:39:46.843	-0.4	84.0		7.44		TAS				a_e	
BUG	111.36		SP	03:49:18.425		76.4		9.47		TAS				a_e	
BUG	111.36		X	03:50:19.593	0.1	76.1		11.67		TAS				m_e	
CLL	107.89		Sdiff	03:46:51.624	-0.7	81.1		8.75		TAS				a_e	
CLL	107.89		SS	03:54:22.555	-0.3	82.6		13.57		TAS				a_e	

CLL	107.89	Pdiff	03:34:54.402	0.3	78.7	4.40	TAS	m_e
CLL	107.89	PP	03:39:20.793	-0.0	84.0	7.44	TAS	a_e
CLL	107.89	X	03:49:38.743	-0.6	76.1	11.67	TAS	a_e
FLT1	108.76	Sdiff	03:46:59.574	-1.0	81.1	8.75	TAS	a_e
FLT1	108.76	SS	03:54:33.505	-2.5	82.6	13.57	TAS	a_e
FLT1	108.76	Pdiff	03:34:57.799	-0.3	78.7	4.40	TAS	m_e
FLT1	108.76	PP	03:39:28.093	-0.1	84.0	7.44	TAS	a_e
FLT1	108.76	SP	03:48:53.675	-1.9	76.4	9.47	TAS	a_e
FLT1	108.76	X	03:49:49.143	0.1	76.1	11.67	TAS	a_e
FUR	109.58	Sdiff	03:47:04.724	-1.2	81.1	8.75	TAS	a_e
FUR	109.58	SS	03:54:42.105	-0.9	82.6	13.57	TAS	a_e
FUR	109.58	PP	03:39:31.393	0.1	84.0	7.44	TAS	a_e
FUR	109.58	SP	03:49:01.525	-0.4	76.4	9.47	TAS	a_e
FUR	109.58	X	03:50:00.543	0.1	76.1	11.67	TAS	a_e
GEC2	107.87	Sdiff	03:46:51.974	0.8	81.1	8.75	TAS	a_e
GEC2	107.87	SS	03:54:21.005	0.8	82.6	13.57	TAS	a_e
GEC2	107.87	Pdiff	03:34:54.529		78.7	4.40	TAS	m_e
GEC2	107.87	PP	03:39:18.143	-0.7	84.0	7.44	TAS	a_e
GEC2	107.87	X	03:49:41.193	0.8	76.1	11.67	TAS	a_e
GRA1	109.32	Sdiff	03:47:05.224	1.0	81.1	8.75	TAS	a_e
GRA1	109.32	SS	03:54:42.705	1.9	82.6	13.57	TAS	m_e
GRA1	109.32	Pdiff	03:35:01.070		78.7	4.40	TAS	m_e
GRA1	109.32	PP	03:39:30.193	-0.2	84.0	7.44	TAS	a_e
GRA1	109.32	SP	03:49:01.025	0.1	76.4	9.47	TAS	a_e
GRA1	109.32	X	03:49:56.943	0.3	76.1	11.67	TAS	a_e
GRA1	109.32	L	04:27:58.409				T_	211906.0 21.60 a_e Ms 7.7
GTTG	109.70	Sdiff	03:47:07.724	-0.7	81.1	8.75	TAS	a_e
GTTG	109.70	SS	03:54:46.405	-1.7	82.6	13.57	TAS	a_e
GTTG	109.70	PP	03:39:35.143	0.4	84.0	7.44	TAS	a_e
GTTG	109.70	SP	03:49:03.725	-0.6	76.4	9.47	TAS	a_e
GTTG	109.70	X	03:49:59.943	-0.3	76.1	11.67	TAS	a_e
HLG	110.26	Sdiff	03:47:14.074	-0.9	81.1	8.75	TAS	a_e
HLG	110.26	SS	03:55:00.005	0.8	82.6	13.57	TAS	a_e
HLG	110.26	PP	03:39:40.793	-0.6	84.0	7.44	TAS	a_e
HLG	110.26	SP	03:49:07.775	0.3	76.4	9.47	TAS	a_e
HLG	110.26	X	03:50:06.393	0.3	76.1	11.67	TAS	a_e
IBBN	110.84	Sdiff	03:47:19.074	0.1	81.1	8.75	TAS	a_e
IBBN	110.84	SS	03:55:04.205	-0.6	82.6	13.57	TAS	a_e
IBBN	110.84	PP	03:39:43.593	-0.4	84.0	7.44	TAS	a_e
IBBN	110.84	SP	03:49:13.375	1.8	76.4	9.47	TAS	a_e
IBBN	110.84	X	03:50:13.193	-0.0	76.1	11.67	TAS	a_e
KAST	110.73	Sdiff	03:47:17.874	0.5	81.1	8.75	TAS	a_e
KAST	110.73	SS	03:55:01.905	0.1	82.6	13.57	TAS	a_e
KAST	110.73	Pdiff	03:35:06.757	-0.1	78.7	4.40	TAS	m_e
KAST	110.73	PP	03:39:42.493	0.3	84.0	7.44	TAS	a_e
KAST	110.73	SP	03:49:13.225	-0.0	76.4	9.47	TAS	a_e
KAST	110.73	X	03:50:13.193	0.9	76.1	11.67	TAS	a_e
MOX	108.88	Sdiff	03:47:00.874	0.1	81.1	8.75	TAS	a_e
MOX	108.88	SS	03:54:37.055	1.3	82.6	13.57	TAS	a_e

MOX	108.88	PP	03:39:27.693	-0.1	84.0	7.44	TAS	a_e
MOX	108.88	SP	03:48:57.675	0.3	76.4	9.47	TAS	a_e
MOX	108.88	X	03:49:51.093	0.0	76.1	11.67	TAS	a_e
MOX	108.88	L	04:30:43.048				T__	175941.0 19.90 a_e Ms 7.6
NEUB	108.67	Sdiff	03:46:58.174	-1.0	81.1	8.75	TAS	a_e
NEUB	108.67	SS	03:54:32.305	-1.2	82.6	13.57	TAS	a_e
NEUB	108.67	PP	03:39:26.443	-0.2	84.0	7.44	TAS	a_e
NEUB	108.67	SP	03:48:54.325	0.7	76.4	9.47	TAS	a_e
NEUB	108.67	X	03:49:47.993	-0.5	76.1	11.67	TAS	a_e
PLN	108.57	Sdiff	03:46:58.524	0.6	81.1	8.75	TAS	a_e
PLN	108.57	SS	03:54:32.255	0.9	82.6	13.57	TAS	a_e
PLN	108.57	Pdiff	03:34:57.948		78.7	4.40	TAS	m_e
PLN	108.57	PP	03:39:24.943	-0.4	84.0	7.44	TAS	a_e
PLN	108.57	SP	03:48:54.175	-0.5	76.4	9.47	TAS	a_e
PLN	108.57	X	03:49:46.893	-0.7	76.1	11.67	TAS	a_e
RETH	109.78	Pdiff	03:35:03.300	-0.8	78.7	4.40	TAS	m_e
RGN	107.09	Sdiff	03:46:47.274	0.3	81.1	8.75	TAS	a_e
RGN	107.09	SS	03:54:17.605	1.8	82.6	13.57	TAS	a_e
RGN	107.09	PP	03:39:17.443	-0.1	84.0	7.44	TAS	a_e
RGN	107.09	X	03:49:29.593	0.5	76.1	11.67	TAS	a_e
RUE	107.21	Sdiff	03:46:45.674	-1.2	81.1	8.75	TAS	a_e
RUE	107.21	SS	03:54:12.155	-2.6	82.6	13.57	TAS	a_e
RUE	107.21	PP	03:39:16.793	0.2	84.0	7.44	TAS	a_e
RUE	107.21	X	03:49:29.593	-1.4	76.1	11.67	TAS	a_e
STU	110.81	Sdiff	03:47:16.924	-0.1	81.1	8.75	TAS	a_e
STU	110.81	SS	03:54:59.855	-0.6	82.6	13.57	TAS	a_e
STU	110.81	PP	03:39:40.943	-0.0	84.0	7.44	TAS	a_e
STU	110.81	SP	03:49:14.275	0.9	76.4	9.47	TAS	a_e
STU	110.81	X	03:50:13.893	-0.4	76.1	11.67	TAS	a_e
TANN	108.39	Sdiff	03:46:57.724	1.4	81.1	8.75	TAS	a_e
TANN	108.39	SS	03:54:31.005	2.2	82.6	13.57	TAS	a_e
TANN	108.39	PP	03:39:24.193	0.3	84.0	7.44	TAS	a_e
TANN	108.39	SP	03:48:52.875	-1.6	76.4	9.47	TAS	m_e
TANN	108.39	X	03:49:45.843	0.3	76.1	11.67	TAS	a_e
TNS	110.94	Sdiff	03:47:19.024	0.2	81.1	8.75	TAS	a_e
TNS	110.94	SS	03:55:04.205	0.4	82.6	13.57	TAS	a_e
TNS	110.94	PP	03:39:43.493	0.4	84.0	7.44	TAS	a_e
TNS	110.94	SP	03:49:15.775		76.4	9.47	TAS	a_e
TNS	110.94	X	03:50:15.593	0.4	76.1	11.67	TAS	a_e
UBR	110.44	Sdiff	03:47:11.774	-1.7	81.1	8.75	TAS	a_e
UBR	110.44	SS	03:54:51.905	-2.5	82.6	13.57	TAS	a_e
UBR	110.44	Pdiff	03:35:05.975		78.7	4.40	TAS	m_e
UBR	110.44	PP	03:39:37.943	0.5	84.0	7.44	TAS	a_e
UBR	110.44	SP	03:49:09.375	-0.6	76.4	9.47	TAS	a_e
UBR	110.44	X	03:50:10.593	-0.2	76.1	11.67	TAS	a_e
WET	108.36	Sdiff	03:46:56.874	1.4	81.1	8.75	TAS	m_e
WET	108.36	SS	03:54:28.305	1.2	82.6	13.57	TAS	a_e
WET	108.36	Pdiff	03:34:57.056		78.7	4.40	TAS	m_e
WET	108.36	PP	03:39:22.393	-0.3	84.0	7.44	TAS	a_e

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WET	108.36	SP	03:48:51.525	1.8	76.4	9.47	TAS	a_e
WET	108.36	X	03:49:47.093	1.3	76.1	11.67	TAS	a_e
WLF	112.52	Sdiff	03:47:32.574	0.1	81.1	8.75	TAS	a_e
WLF	112.52	SS	03:55:26.505	1.6	82.6	13.57	TAS	a_e
WLF	112.52	PP	03:39:54.743	0.1	84.0	7.44	TAS	a_e
WLF	112.52	SP	03:49:32.275		76.4	9.47	TAS	a_e
WLF	112.52	X	03:50:33.043	-0.6	76.1	11.67	TAS	a_e

Event 11214001 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/14	18:41:36.10			5.4920	127.0850				62.0					102.09	102.09	m i ke	NEIC
OrigID 11214040																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	102.09		Pdiff	18:55:25.127		69.5		4.83		TAS				m_e	
GRA1	102.09		PP	18:59:37.279		235.4		11.91		TAS				m_e	

Event 11214002 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/14	21:23:03.83			32.0140	49.6850				33.0					33.56	33.62	m i ke	BGR
OrigID 11214008																	

Magnitude Err Nsta Author OrigID

mb	4.5		BGR	11214008
Ms	3.7		BGR	11214008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	33.56		P	21:29:40.817		111.1		9.58		TAS		4.8	0.85	m_e mb	4.5
GRA1	33.56		pP	21:29:49.225						T__				m_e	
GRA1	33.56		S	21:33:54.945						T__				m_e	
GRA1	33.56		L	22:46:41.869						T__		104.2	21.10	a_e Ms	3.5
MOX	33.62		L	22:46:59.747						T__		205.0	18.60	a_e Ms	3.9

Event 11214004 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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2021/12/14 22:17:11.76 36.4730 70.1390 33.0 43.56 43.90 m i ke BGR
11214010

Magnitude Err Nsta Author OrigID
mb 4.3 BGR 11214010
Ms 3.9 BGR 11214010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 43.90 P 22:25:14.654 93.4 6.93 TAS 9.4 1.31 m_e mb 4.3
GRA1 43.90 L 22:46:41.874 T__ 104.2 21.10 a_e Ms 3.7
MOX 43.56 L 22:46:59.755 T__ 205.0 18.60 a_e Ms 4.1

Event 11216005 Greece

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/12/15 00:48:17.30 1.17 0.81 38.3020 22.1290 111.2 16.7 50 10.0 6 355 9.93 12.23 m i ke NEIC
11216044

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
LESA 11.44 Sn 00:53:05.542 -1.0 T__ m_e
LESA 11.44 Pn 00:51:02.239 0.5 T__ m_e
MOTA 12.12 Pn 00:51:10.305 -1.0 T__ m_e
OBKA 9.93 Pn 00:50:41.283 0.2 T__ m_e
RJOB 11.63 Pn 00:51:05.112 1.0 T__ m_e
WTTA 11.80 Sn 00:53:15.436 -0.2 T__ m_e
WTTA 11.80 Pn 00:51:06.160 -0.8 T__ m_e
ZUGS 12.23 Pn 00:51:13.057 0.2 T__ m_e
ZUGS 12.23 Sn 00:53:27.046 1.3 T__ m_e

Event 11215001 Crete, Greece

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/12/15 03:43:32.70 34.5730 26.4640 5.0 12 17.11 22.44 m i ke THE
11215079

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 11215007
Ms 3.4 BGR 11215007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
BFO 19.26 Pn 03:47:57.370 1.6 T__ 9.2 0.84 m_e mb 4.2

BSEG	22.44	Pn	03:48:27.205	-3.0	T__	22.3	1.53	m_e	mb	4.6
GEC2	17.11	Pn	03:47:31.240	-3.8	T__	6.0	0.66	m_e	mb	4.0
GRA1	18.80	Pn	03:47:50.804	-2.2	T__	7.1	0.74	m_e	mb	4.2
GRA1	18.80	L	03:57:28.557	-99.9	T__	166.0	18.10	a_e	Ms	3.5
GTTG	20.72	Pn	03:48:10.931	-2.0	T__	13.0	0.75	m_e	mb	4.5
IBBN	22.21	Pn	03:48:24.033	-2.8	T__	15.2	1.26	m_e	mb	4.6
KAST	21.14	Pn	03:48:15.262	-1.1	T__	8.6	1.00	m_e	mb	4.2
MOX	19.36	L	03:57:47.227	-99.9	T__	128.9	18.00	a_e	Ms	3.4
STU	19.10	Pn	03:47:54.267	-0.6	T__	25.1	0.69	m_e	mb	4.8
TANN	18.84	Pn	03:47:55.317	1.1	T__			m_e		
UBR	17.93	Pn	03:47:40.082	-1.7	T__	17.9	0.61	m_e	mb	4.6
WLF	21.21	Pn	03:48:15.381	-0.2	T__			m_e		

Event 11215002 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/15	08:21:13.12		32.0090	49.4050				33.0						33.39	33.39	m i ke	BGR
11215008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	11215008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	33.39		P	08:27:48.265		110.3		9.71		TAS		8.2	0.97	m_e	mb	4.6
GRA1	33.39		pP	08:27:57.036						T__				m_e		

Event 11215003 Lake Baykal, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/15	13:45:07.47		52.9150	104.0190				30.9						53.24	54.07	m i ke	BGR
11215009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11215009
Ms	4.4		BGR	11215009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	54.07		P	13:54:28.010		48.7		6.13		TAS		15.1	0.92	m_e	mb	5.0
GRA1	54.07		pP	13:54:36.466		48.7		6.13		TAS				m_e		
GRA1	54.07		L	14:17:49.819						T__		284.2	18.70	a_e	Ms	4.4
MOX	53.24		L	14:14:16.021						T__		316.2	19.30	a_e	Ms	4.4

Event 11216002 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/16	04:26:06.50			-7.0400	128.7200				10.0					112.45	112.98	m i ke	EMSC
OrigID 11216034																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	11216008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	112.98		PP	04:45:33.450		73.0		5.95		TAS				m_e	
GRA1	112.98		L	05:40:56.965						T__		729.2	19.30	a_e Ms	5.3
MOX	112.45		L	05:39:50.670						T__		537.2	20.50	a_e Ms	5.1

Event 11216004 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/16	08:02:22.66			-33.7600	-177.5400				360.0				20	159.00	164.88	m i ke	BGR
OrigID 11216010																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	164.72		PKPab	08:22:42.439		23.6		4.39		TAS				m_e	
BRG	160.89		PKPab	08:22:25.540	0.3	23.6		4.39		TAS				m_e	
BSEG	159.00		PKPab	08:22:17.562	0.1	23.6		4.39		TAS				m_e	
CLL	160.79		PKPab	08:22:25.108	0.1	23.6		4.39		TAS				m_e	
FLT1	160.32		PKPab	08:22:22.931	-0.0	23.6		4.39		TAS				m_e	
FUR	164.10		PKPab	08:22:40.171		23.6		4.39		TAS				m_e	
GEC2	162.71		PKPab	08:22:33.366		23.6		4.39		TAS				m_e	
GOR1	159.69		PKPab	08:22:20.528	0.3	23.6		4.39		TAS				m_e	
GRA1	162.75		PKPab	08:22:34.306	0.4	23.6		4.39		TAS				m_e	
GTTG	161.33		PKPab	08:22:27.813		23.6		4.39		TAS				m_e	
IBBN	160.99		PKPab	08:22:26.735	-0.1	23.6		4.39		TAS				m_e	
KAST	161.96		PKPab	08:22:30.383	-0.2	23.6		4.39		TAS				m_e	
MOX	161.77		PKPab	08:22:29.559	0.2	23.6		4.39		TAS				m_e	
NEUB	161.24		PKPab	08:22:27.139	0.2	23.6		4.39		TAS				m_e	
PLN	161.77		PKPab	08:22:29.672	0.7	23.6		4.39		TAS				m_e	
RETH	160.32		PKPab	08:22:22.521	-0.8	23.6		4.39		TAS				m_e	
TANN	161.75		PKPab	08:22:29.561	-0.0	23.6		4.39		TAS				m_e	
TNS	162.89		PKPab	08:22:34.621	-0.7	23.6		4.39		TAS				m_e	
UBR	164.88		PKPab	08:22:42.573		23.6		4.39		TAS				m_e	
WET	162.73		PKPab	08:22:33.861	-0.5	23.6		4.39		TAS				m_e	

Event 11216006 South Sandwich Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/16	21:14:46.60			-59.8200	-23.6320				22.4					112.80	113.79	m i ke	NEIC
OrigID 11216045																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	11216012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	112.80		PP	21:34:09.924						T__					m_e
GRA1	112.80		pPP	21:34:16.080						T__					m_e
GRA1	112.80		L	22:15:45.841						T__		1554.2	21.30	a_e Ms	5.6
MOX	113.79		L	22:16:34.815						T__		1523.4	21.00	a_e Ms	5.6

Event 11218002 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/18	05:16:50.33			37.0760	22.4800				33.0				22	13.39	19.84	m i ke	BGR
OrigID 11218008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	3.6		BGR	11218008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	17.40		P	05:20:51.441	2.6	143.0		12.07		TAS					m_e
BFO	15.29		P	05:20:25.061		143.0		12.07		TAS					m_e
BRG	15.08		P	05:20:25.966	0.9	143.0		12.07		TAS					m_e
BSEG	18.84		P	05:21:06.274	1.6	143.0		12.07		TAS					m_e
BUG	17.96		P	05:20:57.841	0.6	143.0		12.07		TAS					m_e
CLL	15.74		P	05:20:32.521	0.5	143.0		12.07		TAS					m_e
FUR	13.79		P	05:20:04.319		143.0		12.07		TAS					m_e
GEC2	13.39		P	05:20:00.470		143.0		12.07		TAS					m_e
GOR1	17.72		P	05:20:55.977	0.1	143.0		12.07		TAS					m_e
GRA1	15.00		P	05:20:25.507	-0.9	143.0		12.07		TAS					m_e
GRA1	15.00		L	05:27:48.557						T__		430.1	22.00	a_e Ms	3.5
HLG	19.84		P	05:21:16.871	-1.5	143.0		12.07		TAS					m_e
IBBN	18.41		P	05:21:03.160	2.0	143.0		12.07		TAS					m_e
KAST	17.31		P	05:20:51.038	1.2	143.0		12.07		TAS					m_e
MOX	15.63		P	05:20:30.835	2.6	143.0		12.07		TAS					m_e
MOX	15.63		L	05:28:30.665						T__		550.9	18.80	a_e Ms	3.8
NEUB	16.04		P	05:20:36.080	-1.3	143.0		12.07		TAS					m_e
PLN	15.31		P	05:20:27.481	-3.3	143.0		12.07		TAS					m_e

RETH	18.15	P	05:21:00.768	-0.9	143.0	12.07	TAS	m_e
TANN	15.15	P	05:20:22.883	-2.6	143.0	12.07	TAS	m_e
TNS	16.56	P	05:20:42.134	0.9	143.0	12.07	TAS	m_e
UBR	13.97	P	05:20:08.100		143.0	12.07	TAS	m_e
WET	13.93	P	05:20:06.487		143.0	12.07	TAS	m_e
WLF	17.24	P	05:20:50.179	-3.6	143.0	12.07	TAS	m_e

Event 11218001 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/18	10:34:47.14	0.27	1.48	45.6330	9.5990	5.6	4.4	24	10.0			62	251	1.42	7.11	m i ke	BGR
OrigID 11218007																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	11218007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	4.47		Pn	10:35:52.998	-0.9					T__				m_e	
AHRW	5.19		Pn	10:36:02.860	-0.8					T__				m_e ML	4.7
ARSA	4.40		Pn	10:35:52.783	-0.0					T__				m_e ML	3.9
BALST	2.15		Sn	10:35:46.836	-0.5					T__				m_e	
BALST	2.15		Pn	10:35:21.718	-0.2					T__				m_e ML	4.3
BE1	2.54		Sn	10:35:56.123	-0.3					T__				m_e	
BE1	2.54		Pn	10:35:28.205	1.0					T__				m_e ML	4.2
BE1	2.54		Pg	10:35:34.733	1.1					T__				m_e	
BERGE	2.44		Sg	10:36:03.980	-0.7					T__				m_e	
BERGE	2.44		Pn	10:35:25.073	-0.8					T__				m_e ML	4.3
BERGE	2.44		Pg	10:35:34.162	2.3					T__				m_e	
BFO	2.83		Pn	10:35:30.280	-1.0					T__				m_e ML	4.4
BFO	2.83		Pg	10:35:41.145	2.2					T__				m_e	
BFO	2.83		Sg	10:36:17.455	0.6					T__				m_e	
BIOA	3.46		Pn	10:35:40.068	0.2					T__				m_e ML	4.3
BRG	5.99		Pn	10:36:12.928	-1.7					T__				m_e ML	4.3
BUG	6.01		Sg	10:37:56.713	0.6					T__				m_e	
BUG	6.01		Pn	10:36:14.596	-0.3					T__				m_e ML	4.0
CIEL	3.54		Sg	10:36:41.801	2.8					T__				m_e	
CIEL	3.54		Pn	10:35:40.500	-0.5					T__				m_e ML	5.0
CLL	6.11		Pn	10:36:13.761	-2.5					T__				m_e ML	4.5
DAVA	1.66		Sg	10:35:40.165	-0.2					T__				m_e	
DAVA	1.66		Pn	10:35:16.672	1.5					T__				m_e ML	4.0
DAVA	1.66		Pg	10:35:17.196	-0.7					T__				m_e	
ECH	3.08		Sn	10:36:07.228	-2.1					T__				m_e	
ECH	3.08		Pn	10:35:34.043	-0.6					T__				m_e ML	4.0
FETA	1.59		Sg	10:35:36.833	-1.3					T__				m_e	
FETA	1.59		Pn	10:35:15.803	1.6					T__				m_e ML	3.6
FETA	1.59		Pg	10:35:17.350	0.8					T__				m_e	

FLT1	6.78	Pn	10:36:24.268	-1.3	T__	m_e	
FUR	2.78	Pn	10:35:30.961	0.5	T__	m_e ML	4.5
FUR	2.78	Pg	10:35:39.270	1.3	T__	m_e	
GEC2	4.25	Pn	10:35:50.403	-0.4	T__	m_e ML	4.3
GRA1	4.20	Pn	10:35:48.178	-1.9	T__	m_e ML	4.5
GRFO	4.20	Pn	10:35:48.562	-1.5	T__	m_e	
GTTG	5.92	Pn	10:36:12.211	-1.5	T__	m_e ML	4.7
HOHE	3.35	Pn	10:35:37.515	-0.9	T__	m_e	
KAST	5.63	Pn	10:36:09.036	-0.6	T__	m_e	
KBA	2.97	Pn	10:35:35.231	2.1	T__	m_e ML	4.0
KW1	3.23	Pn	10:35:37.301	0.6	T__	m_e ML	4.6
LDE	3.68	Sg	10:36:45.575	2.3	T__	m_e	
LDE	3.68	Pn	10:35:42.555	-0.3	T__	m_e	
LEMB	3.62	Pn	10:35:41.123	-1.0	T__	m_e ML	4.8
LESA	2.78	Pn	10:35:32.017	1.5	T__	m_e ML	4.1
LESA	2.78	Pg	10:35:40.728	2.8	T__	m_e	
MANZ	4.67	Pn	10:35:54.293	-2.2	T__	m_e	
METMA	2.28	Sg	10:35:57.701	-1.8	T__	m_e	
METMA	2.28	Pn	10:35:22.741	-0.9	T__	m_e ML	4.3
METMA	2.28	Pg	10:35:30.882	2.0	T__	m_e	
MILB	4.20	Sg	10:37:01.239	1.6	T__	m_e	
MILB	4.20	Pn	10:35:48.749	-1.3	T__	m_e ML	5.2
MOA	3.90	Pn	10:35:45.807	-0.1	T__	m_e ML	4.2
MOTA	2.00	Sn	10:35:43.920	0.2	T__	m_e	
MOTA	2.00	Sg	10:35:48.959	-2.0	T__	m_e	
MOTA	2.00	Pn	10:35:21.756	1.9	T__	m_e ML	4.0
MOX	5.19	Sn	10:36:59.322	-0.4	T__	m_e	
MOX	5.19	Sg	10:37:31.411	0.9	T__	m_e	
MOX	5.19	Pn	10:36:01.313	-2.4	T__	m_e ML	4.4
NEEW	3.47	Pn	10:35:39.525	-0.6	T__	m_e	
NEUF	4.41	Pn	10:35:53.200	0.2	T__	m_e ML	4.4
NORI	3.17	Sn	10:36:11.422	-0.1	T__	m_e	
NORI	3.17	Pn	10:35:34.268	-1.6	T__	m_e ML	4.5
OBER	1.84	Pg	10:35:19.993	-1.0	T__	m_e	
PART	2.14	Sn	10:35:46.766	-0.2	T__	m_e	
PART	2.14	Pn	10:35:23.098	1.4	T__	m_e ML	3.7
PART	2.14	Pg	10:35:29.229	2.8	T__	m_e	
PLN	5.15	Pn	10:36:01.315	-1.8	T__	m_e ML	3.9
PLONS	1.42	Sg	10:35:32.573	-0.3	T__	m_e	
PLONS	1.42	Pn	10:35:13.243	1.4	T__	m_e ML	3.9
PLONS	1.42	Pg	10:35:13.743	0.2	T__	m_e	
RETA	2.02	Pn	10:35:21.566	1.5	T__	m_e ML	3.7
RETH	7.11	Pn	10:36:30.042	0.0	T__	m_e	
RIVT	4.50	Pn	10:35:53.973	-0.2	T__	m_e	
RJOB	3.04	Pn	10:35:35.238	1.1	T__	m_e ML	3.9
RONF	2.91	Sn	10:36:04.177	-1.1	T__	m_e	
RONF	2.91	Sg	10:36:17.735	-1.4	T__	m_e	
RONF	2.91	Pn	10:35:31.744	-0.5	T__	m_e ML	4.5
ROTT	3.63	Pn	10:35:41.123	-1.1	T__	m_e	

ROTZ	4.49	Pn	10:35:52.016	-2.1	T__	m_e	ML	4.1
SLE	2.26	Pn	10:35:22.812	-0.6	T__	m_e	ML	5.2
SLE	2.26	Pg	10:35:31.334	2.7	T__	m_e		
SQTA	1.94	Sg	10:35:46.138	-2.8	T__	m_e		
SQTA	1.94	Pn	10:35:21.031	2.1	T__	m_e	ML	4.0
STU	3.15	Sg	10:36:27.592	0.8	T__	m_e		
STU	3.15	Pn	10:35:34.341	-1.3	T__	m_e	ML	4.7
SULZ	2.15	Sn	10:35:47.145	-0.2	T__	m_e		
SULZ	2.15	Sg	10:35:53.724	-2.0	T__	m_e		
SULZ	2.15	Pn	10:35:21.611	-0.3	T__	m_e	ML	5.2
SULZ	2.15	Pg	10:35:29.336	2.6	T__	m_e		
TANN	5.15	Pn	10:36:00.989	-2.2	T__	m_e	ML	4.3
TNS	4.66	Sg	10:37:14.294	0.5	T__	m_e		
TNS	4.66	Pn	10:35:55.461	-0.8	T__	m_e	ML	4.5
UBR	2.08	Pn	10:35:21.590	0.7	T__	m_e	ML	4.3
UBR	2.08	Pg	10:35:27.995	2.7	T__	m_e		
WALHA	2.14	Sg	10:35:56.923	1.6	T__	m_e		
WALHA	2.14	Pn	10:35:21.575	-0.2	T__	m_e	ML	4.4
WALHA	2.14	Pg	10:35:29.086	2.5	T__	m_e		
WET	4.16	Pn	10:35:48.594	-0.9	T__	m_e	ML	4.2
WILA	1.84	Sg	10:35:45.980	0.0	T__	m_e		
WILA	1.84	Pn	10:35:18.053	0.4	T__	m_e	ML	4.6
WILA	1.84	Pg	10:35:23.133	2.0	T__	m_e		
WLS	3.17	Pn	10:35:35.565	-0.4	T__	m_e	ML	4.2
WTTA	2.15	Sg	10:35:51.563	-4.1	T__	m_e		
WTTA	2.15	Pn	10:35:24.422	2.5	T__	m_e	ML	4.0
ZELS	2.99	Pn	10:35:32.907	-0.5	T__	m_e		
ZUGS	2.02	Pn	10:35:22.039	1.9	T__	m_e	ML	3.9

Event 11219001 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/18	23:54:14.83			36.5700	93.7390				16.6	8.4		23		56.24	61.73	m i ke	BGR
11219007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11219007
Ms	4.5		BGR	11219007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	60.83		P	00:04:25.429		69.0		6.98		TAS		51.6	1.08	m_e	mb 5.3
AHRW	60.83		pP	00:04:29.650						T__				m_e	
ASSE	58.15		pP	00:04:10.192						T__				m_e	
BFO	60.96		P	00:04:25.749		69.0		6.98		TAS		59.0	0.95	m_e	mb 5.4
BFO	60.96		pP	00:04:30.819						T__				m_e	
BRG	56.64		P	00:03:55.198	-0.8	69.0		6.98		TAS		70.0	1.00	m_e	mb 5.6

BRG	56.64	pP	00:04:00.042														T__			m_e		
BSEG	57.75	P	00:04:04.488	-0.2	69.0		6.98										TAS	108.0	1.02	m_e	mb	5.8
BSEG	57.75	pP	00:04:08.072														T__			m_e		
BUG	60.37	P	00:04:21.541		69.0		6.98										TAS	24.1	0.81	m_e	mb	5.3
BUG	60.37	pP	00:04:26.462														T__			m_e		
CLL	57.06	P	00:03:58.015	0.0	69.0		6.98										TAS	100.6	0.85	m_e	mb	5.9
CLL	57.06	pP	00:04:02.790														T__			m_e		
FLT1	57.76	P	00:04:02.221	-0.4	69.0		6.98										TAS	55.3	0.78	m_e	mb	5.7
FLT1	57.76	pP	00:04:07.226														T__			m_e		
FUR	59.21	P	00:04:14.942	0.1	69.0		6.98										TAS	155.2	0.89	m_e	mb	6.0
FUR	59.21	pP	00:04:19.434														T__			m_e		
GEC2	57.46	P	00:04:01.615	-0.3	69.0		6.98										TAS	53.6	1.07	m_e	mb	5.5
GOR1	57.50	pP	00:04:06.235														T__			m_e		
GRA1	58.68	P	00:04:10.617	-0.4	69.0		6.98										TAS	118.1	0.80	m_e	mb	6.0
GRA1	58.68	pP	00:04:15.399														T__			m_e		
GRA1	58.68	L	00:29:17.182														T__	719.9	18.80	a_e	Ms	4.8
GTTG	58.77	P	00:04:10.685	0.4	69.0		6.98										TAS	138.5	1.00	m_e	mb	5.9
GTTG	58.77	pP	00:04:15.415														T__			m_e		
IBBN	59.76	P	00:04:17.024	-0.2	69.0		6.98										TAS	68.0	0.81	m_e	mb	5.7
IBBN	59.76	pP	00:04:21.826														T__			m_e		
KAST	59.79	P	00:04:17.794	0.3	69.0		6.98										TAS	21.3	0.96	m_e	mb	5.2
KAST	59.79	pP	00:04:22.213														T__			m_e		
MOX	58.11	P	00:04:05.845	0.0	69.0		6.98										TAS	79.6	1.08	m_e	mb	5.7
MOX	58.11	pP	00:04:10.565														T__			m_e		
MOX	58.11	L	00:26:48.138														T__	220.8	19.40	a_e	Ms	4.3
NEUB	57.83	P	00:04:03.769	-0.1	69.0		6.98										TAS	152.7	0.79	m_e	mb	6.1
NEUB	57.83	pP	00:04:08.411														T__			m_e		
PLN	57.84	P	00:04:04.094	-0.3	69.0		6.98										TAS	27.3	1.17	m_e	mb	5.2
PLN	57.84	pP	00:04:08.693														T__			m_e		
RUE	56.24	P	00:03:54.494	-0.7	69.0		6.98										TAS	134.5	0.78	m_e	mb	6.0
RUE	56.24	pP	00:03:56.763														T__			m_e		
STU	60.26	P	00:04:21.283		69.0		6.98										TAS	211.4	1.11	m_e	mb	6.1
STU	60.26	pP	00:04:25.948														T__			m_e		
TANN	57.68	P	00:04:02.949	1.4	69.0		6.98										TAS	56.2	0.99	m_e	mb	5.6
TANN	57.68	pP	00:04:07.744														T__			m_e		
TNS	60.15	P	00:04:20.149	0.0	69.0		6.98										TAS	84.8	1.30	m_e	mb	5.6
TNS	60.15	pP	00:04:25.135														T__			m_e		
UBR	60.12	P	00:04:20.500	-0.3	69.0		6.98										TAS	97.1	0.81	m_e	mb	5.9
UBR	60.12	pP	00:04:25.433														T__			m_e		
WET	57.86	P	00:04:04.397	0.4	69.0		6.98										TAS	48.9	1.02	m_e	mb	5.5
WET	57.86	pP	00:04:09.247														T__			m_e		
WLF	61.73	P	00:04:31.457		69.0		6.98										TAS	138.6	1.37	m_e	mb	6.0
WLF	61.73	pP	00:04:36.558														T__			m_e		

OrigID
 2021/12/19 03:19:44.82 12.5960 92.7960 33.4 4.9 24 73.30 78.35 m i ke BGR
 11219008

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 11219008
 Ms 4.6 BGR 11219008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	77.68		P	03:31:38.131	0.1	88.1		5.77		TAS		16.5	0.94	m_e	mb	5.1
ASSE	75.33		P	03:31:24.017	-0.3	88.1		5.77		TAS		25.6	1.29	m_e	mb	5.1
BFO	77.04		P	03:31:33.669		88.1		5.77		TAS		18.9	1.29	m_e	mb	5.1
BRG	73.30		P	03:31:12.552	0.1	88.1		5.77		TAS		21.0	0.83	m_e	mb	5.3
BSEG	75.49		P	03:31:25.655	-0.1	88.1		5.77		TAS		41.6	0.97	m_e	mb	5.5
BUG	77.48		P	03:31:36.772	-0.3	88.1		5.77		TAS		9.8	0.97	m_e	mb	4.9
CLL	73.90		P	03:31:15.721	-0.0	88.1		5.77		TAS		13.3	0.90	m_e	mb	5.0
FLT1	74.98		P	03:31:21.659	0.1	88.1		5.77		TAS		12.7	0.64	m_e	mb	5.1
FUR	75.09		P	03:31:22.950		88.1		5.77		TAS		35.0	1.23	m_e	mb	5.3
FUR	75.09		pP	03:31:31.723						T__					m_e	
FUR	75.09		sP	03:31:37.383						T__					m_e	
GEC2	73.46		P	03:31:13.569	-0.2	88.1		5.77		TAS		28.0	0.77	m_e	mb	5.5
GEC2	73.46		pP	03:31:22.354						T__					m_e	
GRA1	75.07		P	03:31:23.369	-0.5	88.1		5.77		TAS		23.3	0.90	m_e	mb	5.2
GRA1	75.07		L	04:10:10.327						T__		224.8	18.40	a_e	Ms	4.5
GTTG	75.79		P	03:31:27.144	0.2	88.1		5.77		TAS		29.1	0.82	m_e	mb	5.5
IBBN	77.11		P	03:31:34.279	0.2	88.1		5.77		TAS		27.9	0.73	m_e	mb	5.5
KAST	76.78		P	03:31:32.811	0.1	88.1		5.77		TAS		21.9	1.27	m_e	mb	5.1
MOX	74.78		P	03:31:21.255	0.0	88.1		5.77		TAS		15.1	0.81	m_e	mb	5.1
MOX	74.78		L	04:07:57.293						T__		316.4	18.70	a_e	Ms	4.6
NEUB	74.67		P	03:31:20.204	0.3	88.1		5.77		TAS		16.6	0.84	m_e	mb	5.1
PLN	74.44		P	03:31:19.215	0.6	88.1		5.77		TAS		4.5	0.83	m_e	mb	4.5
RETH	76.11		P	03:31:28.319	-0.5	88.1		5.77		TAS		10.1	1.00	m_e	mb	4.9
RUE	73.42		P	03:31:13.114	-0.2	88.1		5.77		TAS		60.3	0.82	m_e	mb	5.8
STU	76.44		P	03:31:30.553		88.1		5.77		TAS		27.5	0.65	m_e	mb	5.5
STU	76.44		pP	03:31:39.373						T__					m_e	
STU	76.44		sP	03:31:46.022						T__					m_e	
TANN	74.25		P	03:31:18.075	0.2	88.1		5.77		TAS		15.6	1.19	m_e	mb	4.9
UBR	75.90		P	03:31:27.287		88.1		5.77		TAS		20.4	0.74	m_e	mb	5.3
UBR	75.90		pP	03:31:36.191						T__					m_e	
UBR	75.90		sP	03:31:41.558						T__					m_e	
WET	74.00		P	03:31:16.763	0.1	88.1		5.77		TAS		25.7	1.08	m_e	mb	5.2
WLF	78.35		P	03:31:41.829	-0.1	88.1		5.77		TAS		8.9	0.98	m_e	mb	4.9
WLF	78.35		pP	03:31:50.343						T__					m_e	
WLF	78.35		sP	03:31:57.244						T__					m_e	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/19	16:28:23.24			-18.0270	-178.0200				33.0			16		145.79	149.60	m i k e	BGR
OrigID 11219009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.1		BGR	11219009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.22		PKPbc	16:48:02.443		16.5		2.85		TAS				m_e	
BFO	149.24		PKPbc	16:48:08.113		16.5		2.85		TAS				m_e	
BRG	145.79		PKPbc	16:48:03.161	2.1	16.5		2.85		TAS				m_e	
BUG	146.31		PKPbc	16:47:59.842	-3.2	16.5		2.85		TAS				m_e	
FUR	148.91		PKPbc	16:48:09.267		16.5		2.85		TAS				m_e	
GEC2	147.74		PKPbc	16:48:02.684		16.5		2.85		TAS				m_e	
GRA1	147.46		PKPbc	16:48:03.418		16.5		2.85		TAS				m_e	
GRA1	147.46		L	17:54:10.872						T__		3057.5	21.60	a_e Ms	6.0
KAST	146.42		PKPbc	16:47:59.165	0.2	16.5		2.85		TAS				m_e	
MOX	146.47		PKPbc	16:48:00.442	0.5	16.5		2.85		TAS				m_e	
MOX	146.47		L	17:53:11.310						T__		3230.2	21.90	a_e Ms	6.1
PLN	146.53		PKPbc	16:47:58.338		16.5		2.85		TAS				m_e	
STU	148.69		PKPbc	16:48:06.794		16.5		2.85		TAS				m_e	
TANN	146.53		PKPbc	16:47:59.370		16.5		2.85		TAS				m_e	
TNS	147.37		PKPbc	16:48:02.709		16.5		2.85		TAS				m_e	
UBR	149.60		PKPbc	16:48:09.601		16.5		2.85		TAS				m_e	
WET	147.65		PKPbc	16:48:00.426		16.5		2.85		TAS				m_e	
WLF	148.17		PKPbc	16:48:06.640		16.5		2.85		TAS				m_e	

Event 11219004 Laos

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/19	21:06:15.40			19.5500	101.3300				10.0			18		73.25	78.58	m i k e	EMSC
OrigID 11219036																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11219010
Ms	5.3		BGR	11219010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.76		P	21:18:14.062	-1.8	77.0		5.77		TAS		20.2	1.10	m_e mb	5.2
BFO	77.58		P	21:18:09.952		77.0		5.77		TAS		47.3	1.66	m_e mb	5.4
BRG	73.44		P	21:17:48.269	0.3	77.0		5.77		TAS		35.0	1.48	m_e mb	5.3
BSEG	74.99		P	21:17:57.535	-0.7	77.0		5.77		TAS		43.0	1.09	m_e mb	5.4
CLL	73.94		P	21:17:51.724	0.7	77.0		5.77		TAS		28.7	1.23	m_e mb	5.2
FLT1	74.80		P	21:17:55.980	0.6	77.0		5.77		TAS		10.6	1.03	m_e mb	4.8
FUR	75.71		P	21:18:00.275		77.0		5.77		TAS		52.6	1.34	m_e mb	5.5

GEC2	73.99	P	21:17:51.314	77.0	5.77	TAS	54.8	1.66	m_e	mb	5.3	
GOR1	74.62	P	21:17:55.373	77.0	5.77	TAS	59.9	1.33	m_e	mb	5.5	
GRA1	75.40	P	21:17:59.614	77.0	5.77	TAS	84.5	1.76	m_e	mb	5.5	
GRA1	75.40	L	21:52:11.362			T__	1690.0	19.50	a_e	Ms	5.3	
GTTG	75.75	P	21:18:02.129	-0.6	77.0	5.77	TAS	16.8	0.81	m_e	mb	5.2
MOX	74.94	P	21:17:57.608	-0.1	77.0	5.77	TAS			m_e		
MOX	74.94	L	21:56:08.368			T__	1338.8	18.90	a_e	Ms	5.3	
PLN	74.63	P	21:17:55.848	-0.5	77.0	5.77	TAS	20.8	1.72	m_e	mb	4.9
RUE	73.25	P	21:17:47.417	-0.1	77.0	5.77	TAS	77.9	1.34	m_e	mb	5.7
STU	76.91	P	21:18:07.847		77.0	5.77	TAS	71.1	0.85	m_e	mb	5.8
TANN	74.46	P	21:17:53.522		77.0	5.77	TAS	33.4	1.49	m_e	mb	5.2
TNS	77.00	P	21:18:09.389		77.0	5.77	TAS	44.1	1.23	m_e	mb	5.5
WET	74.46	P	21:17:54.352		77.0	5.77	TAS	23.9	1.05	m_e	mb	5.2
WLF	78.58	P	21:18:18.735		77.0	5.77	TAS	81.5	1.60	m_e	mb	5.5

Event 11220003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/20	16:05:23.89	8.64	0.28	42.5000	142.5000	330.2	260.2	106	33.0				12 355	75.46	80.84	m i ke	BGR
OrigID 11220009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	11220009
Ms	4.1		BGR	11220009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	80.84		P	16:17:36.259		34.5		5.54		TAS		13.2	1.12	m_e	mb	4.9
BSEG	75.46		P	16:17:06.931	0.1	34.5		5.54		TAS				m_e		
BUG	78.57		P	16:17:23.925	-0.3	34.5		5.54		TAS		5.8	0.87	m_e	mb	4.6
CLL	76.67		P	16:17:12.928		34.5		5.54		TAS		15.5	1.00	m_e	mb	5.1
FLT1	76.47		P	16:17:12.020	-0.3	34.5		5.54		TAS				m_e		
GRA1	78.65		P	16:17:24.806		34.5		5.54		TAS		21.0	0.95	m_e	mb	5.1
GRA1	78.65		L	16:53:55.716						T__		87.0	20.60	a_e	Ms	4.1
GTTG	77.56		P	16:17:18.757	0.2	34.5		5.54		TAS		10.1	0.72	m_e	mb	5.0
IBBN	77.67		P	16:17:19.042	-0.6	34.5		5.54		TAS		18.0	0.89	m_e	mb	5.2
KAST	78.38		P	16:17:22.642		34.5		5.54		TAS		10.5	0.92	m_e	mb	5.0
MOX	77.72		P	16:17:19.402		34.5		5.54		TAS		6.4	0.97	m_e	mb	4.7
MOX	77.72		L	16:55:03.687						T__		99.0	18.10	a_e	Ms	4.2
RETH	76.78		P	16:17:13.955	0.4	34.5		5.54		TAS		10.1	1.00	m_e	mb	4.9
WET	78.48		P	16:17:23.691		34.5		5.54		TAS		8.6	0.88	m_e	mb	4.8

Event 11220004 Off coast of northern California, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2021/12/20 20:10:19.94 41.3790 -129.0940 35.6 12.8 16 78.75 84.24 m i ke BGR
 11220010

Magnitude Err Nsta Author OrigID
 mb 5.4 BGR 11220010
 Ms 5.9 BGR 11220010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	80.43		P	20:22:29.133	-0.3	331.1		5.22		TAS		62.6	1.25	m_e	mb	5.5
ASSE	80.43		pP	20:22:38.169						T__				m_e		
BRG	82.50		P	20:22:40.491	-0.1	331.1		5.22		TAS		66.2	1.21	m_e	mb	5.7
BSEG	78.75		P	20:22:20.820	0.0	331.1		5.22		TAS		59.1	1.01	m_e	mb	5.6
CLL	81.84		P	20:22:37.037	0.1	331.1		5.22		TAS		49.0	1.13	m_e	mb	5.5
CLL	81.84		pP	20:22:45.167						T__				m_e		
FLT1	80.42		P	20:22:28.919	0.4	331.1		5.22		TAS		73.7	1.15	m_e	mb	5.6
GEC2	84.24		P	20:22:48.899		331.1		5.22		TAS		37.7	1.50	m_e	mb	5.4
GEC2	84.24		pP	20:22:57.695						T__				m_e		
GEC2	84.24		sP	20:23:08.616						T__				m_e		
GOR1	79.86		P	20:22:26.441	-0.5	331.1		5.22		TAS		91.3	1.27	m_e	mb	5.6
GRA1	82.73		P	20:22:41.467		331.1		5.22		TAS				m_e		
GRA1	82.73		L	21:00:28.928						T__		5504.9	19.40	a_e	Ms	5.9
IBBN	79.37		P	20:22:23.244	0.3	331.1		5.22		TAS		31.0	1.02	m_e	mb	5.3
MOX	82.01		P	20:22:37.251		331.1		5.22		TAS		32.5	1.21	m_e	mb	5.3
MOX	82.01		L	20:57:33.342						T__		6196.7	20.90	a_e	Ms	6.0
PLN	82.32		P	20:22:39.848		331.1		5.22		TAS		9.4	1.26	m_e	mb	4.8
RETH	79.50		P	20:22:24.488	-0.4	331.1		5.22		TAS		44.1	1.04	m_e	mb	5.3
TNS	81.37		P	20:22:33.464		331.1		5.22		TAS				m_e		
UBR	84.12		P	20:22:48.442		331.1		5.22		TAS		72.8	1.45	m_e	mb	5.7
WET	83.72		P	20:22:46.351		331.1		5.22		TAS				m_e		
WLF	81.07		P	20:22:33.607		331.1		5.22		TAS		25.6	1.02	m_e	mb	5.2

Event 11221001 Southeast of Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/12/21 02:30:21.60 31.4400 142.4700 10.0 12 85.10 90.51 m i ke EMSC
 11221033

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 11221007
 Ms 4.1 BGR 11221007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	90.51		P	02:43:24.221		40.0		4.82		TAS		10.3	1.09	m_e	mb	5.1
BRG	86.23		P	02:43:03.855		40.0		4.82		TAS		22.0	1.70	m_e	mb	5.0
BSEG	85.35		P	02:42:59.664	0.5	40.0		4.82		TAS		16.4	1.07	m_e	mb	5.2

CLL	86.29	P	02:43:03.878		40.0		4.82	TAS	22.1	1.34	m_e	mb	5.1
CLZ	86.94	P	02:43:03.557	0.2	40.0		4.82	TAS	15.8	1.14	m_e	mb	5.0
FLT1	86.23	P	02:43:03.534	0.0	40.0		4.82	TAS	16.2	1.08	m_e	mb	5.1
GRA1	88.26	L	03:35:40.251					T__	76.9	20.30	a_e	Ms	4.1
HLG	86.04	P	02:42:59.297	1.5	40.0		4.82	TAS	76.7	1.25	m_e	mb	5.7
IBBN	87.58	P	02:43:10.566	0.0	40.0		4.82	TAS	17.7	1.15	m_e	mb	5.3
MOX	87.37	L	03:33:41.900					T__	71.6	21.20	a_e	Ms	4.0
RUE	85.10	P	02:42:58.506	-2.8	40.0		4.82	TAS	24.0	1.11	m_e	mb	5.3
STU	89.81	P	02:43:20.901		40.0		4.82	TAS	30.1	1.29	m_e	mb	5.4
UBR	90.28	P	02:43:23.434		40.0		4.82	TAS	9.3	1.16	m_e	mb	4.9
WET	87.97	P	02:43:12.137		40.0		4.82	TAS	5.3	1.33	m_e	mb	4.7

Event 11221002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/21	02:53:12.56			44.2450	145.5450				96.7			24		74.88	80.34	m i ke	BGR
11221008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11221008
Ms	4.0		BGR	11221008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	78.81		P	03:05:10.945	0.6	31.6		5.55		TAS		24.1	0.95	m_e	mb	5.2
ASSE	76.31		P	03:04:56.742	-0.1	31.6		5.55		TAS		15.0	0.95	m_e	mb	5.1
BFO	80.34		P	03:05:18.850		31.6		5.55		TAS		19.9	0.71	m_e	mb	5.2
BRG	76.27		P	03:04:56.317	-0.0	31.6		5.55		TAS		11.2	0.78	m_e	mb	5.1
BSEG	74.88		P	03:04:48.802	0.1	31.6		5.55		TAS		34.6	0.78	m_e	mb	5.5
BUG	77.97		P	03:05:05.891	-0.3	31.6		5.55		TAS		11.9	0.75	m_e	mb	5.1
FLT1	75.95		P	03:04:54.355	0.1	31.6		5.55		TAS		35.7	0.74	m_e	mb	5.6
FUR	79.49		P	03:05:14.692		31.6		5.55		TAS		42.7	0.87	m_e	mb	5.4
GEC2	78.05		P	03:05:06.615		31.6		5.55		TAS		13.4	0.88	m_e	mb	5.1
GOR1	75.37		P	03:04:51.783	-0.1	31.6		5.55		TAS		22.9	1.00	m_e	mb	5.2
GRA1	78.20		P	03:05:07.977	0.1	31.6		5.55		TAS		55.4	0.71	m_e	mb	5.8
GRA1	78.20		L	03:35:40.281						T__		76.9	20.30	a_e	Ms	4.0
GTTG	77.03		P	03:05:01.028	-0.2	31.6		5.55		TAS		32.5	0.85	m_e	mb	5.5
IBBN	77.06		P	03:05:01.078	-0.1	31.6		5.55		TAS		49.4	0.73	m_e	mb	5.7
KAST	77.82		P	03:05:05.314	0.2	31.6		5.55		TAS		20.1	0.79	m_e	mb	5.3
MOX	77.26		P	03:05:02.197	0.3	31.6		5.55		TAS		13.4	0.77	m_e	mb	5.1
MOX	77.26		L	03:33:41.905						T__		71.6	21.20	a_e	Ms	4.0
NEUB	76.74		P	03:04:59.026	0.1	31.6		5.55		TAS		37.3	0.90	m_e	mb	5.5
PLN	77.21		P	03:05:01.984	0.6	31.6		5.55		TAS		3.9	0.69	m_e	mb	4.7
RETH	76.20		P	03:04:56.266	0.1	31.6		5.55		TAS		23.9	0.87	m_e	mb	5.3
RUE	74.99		P	03:04:49.436	-0.5	31.6		5.55		TAS		37.6	0.78	m_e	mb	5.5
STU	79.67		P	03:05:15.556		31.6		5.55		TAS		84.6	0.70	m_e	mb	5.8
TANN	77.17		P	03:05:01.609	0.1	31.6		5.55		TAS		59.2	2.15	m_e	mb	5.3

TNS	78.66	P	03:05:10.225	-0.0	31.6	5.55	TAS	21.6	0.71	m_e	mb	5.3
UBR	80.31	P	03:05:18.496		31.6	5.55	TAS	66.1	2.12	m_e	mb	5.2
WET	78.09	P	03:05:07.339	-0.6	31.6	5.55	TAS	29.9	0.95	m_e	mb	5.4
WET	78.09	pP	03:05:32.324	0.7			T__				m_e	

Event 11221005 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/21	16:42:49.44			31.7520	141.6310				42.4	0.1		20		84.75	89.90	m i ke	BGR
11221011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11221011
Ms	4.6		BGR	11221011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.00		P	16:55:25.136	-0.2	40.4		4.80		TAS		25.1	1.27	m_e	mb	5.2
BFO	89.90		P	16:55:43.658		40.4		4.80		TAS		53.9	1.74	m_e	mb	5.5
BRG	85.60		P	16:55:23.270	0.3	40.4		4.80		TAS		27.2	1.48	m_e	mb	5.2
BSEG	84.75		P	16:55:19.469	0.0	40.4		4.80		TAS		63.2	1.55	m_e	mb	5.6
BUG	87.86		P	16:55:33.773	-0.2	40.4		4.80		TAS		15.0	1.61	m_e	mb	5.1
CLL	85.67		P	16:55:23.560	-0.1	40.4		4.80		TAS		57.8	1.41	m_e	mb	5.5
CLL	85.67		pP	16:55:35.927						T__					m_e	
FLT1	85.62		P	16:55:23.109	-0.5	40.4		4.80		TAS		49.5	1.38	m_e	mb	5.5
GEC2	87.21		P	16:55:31.106		40.4		4.80		TAS		12.7	1.39	m_e	mb	4.9
GOR1	85.09		P	16:55:21.302	0.2	40.4		4.80		TAS		87.5	1.52	m_e	mb	5.8
GRA1	87.64		P	16:55:33.884		40.4		4.80		TAS		61.5	1.77	m_e	mb	5.6
GRA1	87.64		L	17:38:14.183						T__		199.2	18.90	a_e	Ms	4.5
GTTG	86.73		P	16:55:29.106	-0.0	40.4		4.80		TAS		33.6	1.38	m_e	mb	5.3
IBBN	86.99		P	16:55:30.269	0.3	40.4		4.80		TAS		83.8	1.52	m_e	mb	5.6
KAST	87.61		P	16:55:33.097	0.1	40.4		4.80		TAS		20.3	1.45	m_e	mb	5.2
MOX	86.75		P	16:55:28.828	0.7	40.4		4.80		TAS		27.2	1.68	m_e	mb	5.1
MOX	86.75		pP	16:55:41.230						T__					m_e	
MOX	86.75		L	17:38:42.902						T__		243.2	19.30	a_e	Ms	4.6
NEUB	86.27		P	16:55:26.625	-0.0	40.4		4.80		TAS		97.3	1.68	m_e	mb	5.7
PLN	86.64		P	16:55:28.527	-0.0	40.4		4.80		TAS		15.6	1.92	m_e	mb	4.8
RETH	86.04		P	16:55:25.538	-0.4	40.4		4.80		TAS		38.7	1.42	m_e	mb	5.3
TANN	86.57		P	16:55:28.077	-0.4	40.4		4.80		TAS		16.1	1.54	m_e	mb	4.9
WET	87.34		P	16:55:31.932		40.4		4.80		TAS		20.8	1.88	m_e	mb	4.9
WLF	89.71		P	16:55:43.408		40.4		4.80		TAS		44.7	1.56	m_e	mb	5.5

Event 11221006 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2021/12/21 22:42:00.69 59.8970 -154.0710 152.5 0.9 24 65.71 71.88 m i ke BGR
 11221012

Magnitude Err Nsta Author OrigID
 mb 6.0 BGR 11221012
 MBB 6.3 BGR 11221012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.74		P	22:53:00.083	0.3	352.2		6.16		TAS		56.9	1.06	m_e	MBB 6.3
ASSE	67.53		P	22:52:52.336	0.0	352.2		6.16		TAS		153.1	1.40	m_e	MBB 6.4
BFO	71.06		P	22:53:13.799		352.2		6.16		TAS		320.5	2.06	m_e	MBB 6.2
BRG	69.04		P	22:53:01.749	0.2	352.2		6.16		TAS		97.9	1.18	m_e	MBB 6.3
BSEG	65.71		P	22:52:41.047	-0.0	352.2		6.16		TAS		109.2	1.09	m_e	MBB 6.4
BUG	67.88		P	22:52:54.254	0.1	352.2		6.16		TAS		41.1	0.85	m_e	MBB 5.8
CLL	68.54		P	22:52:58.467	0.3	352.2		6.16		TAS		130.8	1.33	m_e	MBB 6.2
FLT1	67.38		P	22:52:50.745	-0.2	352.2		6.16		TAS		385.7	2.13	m_e	MBB 6.3
FUR	71.51		P	22:53:16.689		352.2		6.16		TAS		431.6	1.93	m_e	MBB 6.3
GEC2	71.04		P	22:53:13.995		352.2		6.16		TAS		691.0	2.92	m_e	MBB 6.1
GRA1	69.99		P	22:53:07.985	-0.3	352.2		6.16		TAS		343.3	1.91	m_e	mb 6.2
GTTG	68.04		P	22:52:55.964	0.1	352.2		6.16		TAS		191.6	0.96	m_e	MBB 6.5
IBBN	67.07		P	22:52:49.570	-0.2	352.2		6.16		TAS		122.4	1.01	m_e	MBB 6.5
KAST	68.23		P	22:52:56.760	0.2	352.2		6.16		TAS		58.4	1.03	m_e	MBB 6.2
MOX	69.08		P	22:53:02.092	0.4	352.2		6.16		TAS		128.8	1.09	m_e	MBB 6.4
MOX	69.08		pP	22:53:38.717						T__				m_e	
NEUB	68.55		P	22:52:58.810	0.1	352.2		6.16		TAS		170.9	1.09	m_e	MBB 6.4
PLN	69.29		P	22:53:03.476	0.5	352.2		6.16		TAS		30.1	1.08	m_e	MBB 5.8
RUE	67.43		P	22:52:52.068	0.3	352.2		6.16		TAS		233.4	1.14	m_e	MBB 6.5
STU	70.71		P	22:53:11.938		352.2		6.16		TAS		103.1	0.90	m_e	MBB 6.5
TANN	69.38		P	22:53:03.953	-0.1	352.2		6.16		TAS		123.8	1.45	m_e	MBB 6.3
TANN	69.38		pP	22:53:40.885						T__				m_e	
TNS	69.20		P	22:53:02.973	-0.1	352.2		6.16		TAS		398.9	2.16	m_e	MBB 6.3
UBR	71.88		P	22:53:18.882		352.2		6.16		TAS		387.8	1.98	m_e	MBB 6.2
WET	70.67		P	22:53:12.299	-0.4	352.2		6.16		TAS		267.7	2.01	m_e	MBB 6.2
WLF	69.50		P	22:53:04.835	-0.3	352.2		6.16		TAS		149.0	1.29	m_e	MBB 6.2
WLF	69.50		pP	22:53:41.747						T__				m_e	

Event 11222001 Iceland
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/12/22 09:23:11.25 65.0070 -22.3130 33.0 20 20.17 24.93 m i ke BGR
 11222007

Magnitude Err Nsta Author OrigID
 mb 4.6 BGR 11222007
 Ms 3.6 BGR 11222007

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 11223010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 44.38 P 13:11:14.234 96.3 7.30 TAS 5.5 0.85 m_e mb 4.3

Event 11223006 Nicobar Islands, India, region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/12/23 22:39:18.55 9.1000 92.4800 33.0 16 75.77 80.13 m i ke BGR
 11223012

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 11223012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 AHRW 80.13 PcP 22:51:36.793 91.0 5.46 TAS m_e
 BFO 79.39 PcP 22:51:31.907 91.0 5.46 TAS m_e
 BRG 75.77 P 22:51:01.343 -0.2 90.9 5.60 TAS 29.0 1.74 m_e mb 5.1
 BRG 75.77 PcP 22:51:12.362 -0.5 91.0 5.46 TAS m_e
 BSEG 78.09 PcP 22:51:25.857 91.0 5.46 TAS m_e
 CLL 76.38 P 22:51:04.786 -0.1 90.9 5.60 TAS 2.9 0.65 m_e mb 4.5
 CLL 76.38 PcP 22:51:16.909 0.7 91.0 5.46 TAS m_e
 CLZ 78.03 PcP 22:51:26.246 0.1 91.0 5.46 TAS m_e
 GEC2 75.83 P 22:51:01.997 0.1 90.9 5.60 TAS m_e
 GEC2 75.83 PcP 22:51:12.595 -0.5 91.0 5.46 TAS m_e
 GRA1 77.47 P 22:51:11.328 90.9 5.60 TAS m_e
 GRA1 77.47 PcP 22:51:22.493 -0.7 91.0 5.46 TAS m_e
 GTTG 78.28 PcP 22:51:26.323 91.0 5.46 TAS m_e
 KAST 79.26 PcP 22:51:31.164 91.0 5.46 TAS m_e
 MOX 77.23 P 22:51:09.561 90.9 5.60 TAS 4.6 0.79 m_e mb 4.7
 MOX 77.23 PcP 22:51:21.425 0.4 91.0 5.46 TAS m_e
 PLN 76.89 P 22:51:07.830 -0.2 90.9 5.60 TAS 1.2 0.82 m_e mb 4.1
 PLN 76.89 PcP 22:51:19.479 0.6 91.0 5.46 TAS m_e
 RGN 76.35 PcP 22:51:14.689 -1.2 91.0 5.46 TAS m_e
 RUE 75.96 P 22:51:02.884 0.3 90.9 5.60 TAS 16.6 0.71 m_e mb 5.3
 RUE 75.96 PcP 22:51:14.267 0.4 91.0 5.46 TAS m_e
 TANN 76.69 P 22:51:06.722 0.0 90.9 5.60 TAS 5.2 1.10 m_e mb 4.6
 TANN 76.69 PcP 22:51:17.963 -1.1 91.0 5.46 TAS m_e
 WET 76.38 P 22:51:04.879 0.0 90.9 5.60 TAS 13.1 1.25 m_e mb 4.9
 WET 76.38 PcP 22:51:16.550 0.4 91.0 5.46 TAS m_e

Event 11224001 Greece-Albania border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/24	01:17:09.92	1.35	0.53	39.2830	20.8280	31.1	14.5	35	10.0				13 326	8.56	10.98	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.0		BGR	11224007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	8.85		Pn	01:19:14.375	-0.7					T__				m_e	ML 4.0
BIOA	9.89		Pn	01:19:28.766	-0.3					T__				m_e	
GEC2	10.84		Pn	01:19:42.123	0.3					T__				m_e	
LESA	10.06		Pn	01:19:30.832	-0.6					T__				m_e	
MOA	9.79		Pn	01:19:27.991	0.2					T__				m_e	
MOTA	10.72		Sn	01:21:29.702	-0.2					T__				m_e	
MOTA	10.72		Pn	01:19:40.574	0.3					T__				m_e	
OBKA	8.56		Pn	01:19:10.460	-0.8					T__				m_e	
PART	10.82		Pn	01:19:42.308	0.7					T__				m_e	
PSZ	8.66		Pn	01:19:12.866	0.3					T__				m_e	ML 4.1
RETA	10.98		Pn	01:19:43.120	-0.7					T__				m_e	
RJOB	10.26		Pn	01:19:34.743	0.7					T__				m_e	
WTTA	10.41		Sn	01:21:23.037	0.3					T__				m_e	
ZUGS	10.83		Pn	01:19:42.419	0.7					T__				m_e	

Event 11224002 Myanmar-China border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/24	13:43:28.64			21.9150	100.9590				33.0				28	71.07	76.58	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11224008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.75		P	13:55:10.504	0.0	75.6		5.90		TAS		32.2	0.88	a_e	mb 5.5
ASSE	73.15		P	13:54:54.804	-0.3	75.6		5.90		TAS		24.0	0.93	a_e	mb 5.3
BFO	75.62		P	13:55:09.254	-0.4	75.6		5.90		TAS		31.4	0.99	a_e	mb 5.4
BRG	71.45		P	13:54:44.954	-0.2	75.6		5.90		TAS		52.0	0.99	a_e	mb 5.6
BSEG	72.92		P	13:54:54.054	0.5	75.6		5.90		TAS		94.4	0.93	a_e	mb 5.9
BUG	75.37		P	13:55:08.054	-0.1	75.6		5.90		TAS		23.2	1.10	a_e	mb 5.1
CLL	71.93		P	13:54:47.604	-0.4	75.6		5.90		TAS		133.4	1.34	a_e	mb 5.9
FLT1	72.77		P	13:54:52.154	-0.7	75.6		5.90		TAS		57.5	1.12	a_e	mb 5.6
FUR	73.77		P	13:54:59.154	0.4	75.6		5.90		TAS		157.8	1.21	a_e	mb 5.9
GEC2	72.04		P	13:54:48.854	0.3	75.6		5.90		TAS		76.2	1.23	a_e	mb 5.7
GOR1	72.57		P	13:54:51.804	0.2	75.6		5.90		TAS		231.4	1.21	a_e	mb 6.2

GRA1	73.42	P	13:54:57.254	0.5	75.6	5.90	TAS	70.9	1.06	a_e	mb	5.7
GTTG	73.72	P	13:54:58.504	0.0	75.6	5.90	TAS	39.8	0.72	a_e	mb	5.5
HLG	74.24	P	13:55:01.603	0.3	75.6	5.90	TAS	134.8	0.82	m_e	mb	6.0
IBBN	74.83	P	13:55:04.904	-0.1	75.6	5.90	TAS	65.7	1.03	a_e	mb	5.6
KAST	74.75	P	13:55:04.404	-0.1	75.6	5.90	TAS	29.1	1.14	a_e	mb	5.2
MOX	72.94	P	13:54:53.954	0.1	75.6	5.90	TAS	48.4	1.10	a_e	mb	5.5
NEUB	72.71	P	13:54:52.354	-0.2	75.6	5.90	TAS	45.1	0.82	a_e	mb	5.6
PLN	72.64	P	13:54:52.104	-0.0	75.6	5.90	TAS	17.5	1.04	a_e	mb	5.1
RETH	73.78	P	13:54:58.754	0.0	75.6	5.90	TAS	243.5	1.80	a_e	mb	5.9
RGN	71.07	P	13:54:42.654	0.1	75.6	5.90	TAS			a_e		
RUE	71.22	P	13:54:43.504	-0.2	75.6	5.90	TAS	158.9	0.98	a_e	mb	6.1
STU	74.94	P	13:55:05.854	0.1	75.6	5.90	TAS	219.4	0.96	a_e	mb	6.2
TANN	72.47	P	13:54:51.104	-0.0	75.6	5.90	TAS	39.1	1.02	m_e	mb	5.5
TNS	75.00	P	13:55:06.054	-0.0	75.6	5.90	TAS	37.3	0.95	a_e	mb	5.4
UBR	74.66	P	13:55:03.654	-0.3	75.6	5.90	TAS	95.2	1.27	a_e	mb	5.7
WET	72.50	P	13:54:51.654	0.3	75.6	5.90	TAS	67.5	1.14	a_e	mb	5.7
WLF	76.58	P	13:55:15.654	0.2	75.6	5.90	TAS	200.5	1.24	a_e	mb	6.1

Event 11224003 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/24	15:03:21.38			65.0480	-22.3030				33.0			16		20.18	24.53	m i ke	BGR
11224009																	

Magnitude Err Nsta Author
mb 4.5 BGR

OrigID
11224009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	21.05		P	15:08:03.710	0.7	323.8		9.95		TAS		24.5	1.07	m_e	mb	4.5
ASSE	21.16		P	15:08:04.236	0.8	323.8		9.95		TAS		25.0	1.19	m_e	mb	4.4
BFO	23.34		P	15:08:27.172		323.8		9.95		TAS		25.9	1.33	m_e	mb	4.6
BRG	23.43		P	15:08:27.216		323.8		9.95		TAS		8.9	0.88	m_e	mb	4.3
BUG	20.39		P	15:07:59.343	-1.7	323.8		9.95		TAS		7.5	0.98	m_e	mb	3.9
GRA1	23.30		P	15:08:26.172		323.8		9.95		TAS		18.6	1.11	m_e	mb	4.5
GTTG	21.34		P	15:08:06.931	-0.0	323.8		9.95		TAS		32.5	1.10	m_e	mb	4.6
KAST	21.01		P	15:08:04.584	6.0	323.8		9.95		TAS		53.6	1.57	m_e	mb	4.6
MOX	22.69		P	15:08:21.356		323.8		9.95		TAS		11.3	1.00	m_e	mb	4.4
NEUB	22.32		P	15:08:17.131		323.8		9.95		TAS		42.4	0.98	m_e	mb	4.8
PLN	23.02		P	15:08:24.090		323.8		9.95		TAS		6.3	1.10	m_e	mb	4.1
RETH	20.18		P	15:07:55.975	-1.1	323.8		9.95		TAS		18.0	1.19	m_e	mb	4.2
RUE	22.14		P	15:08:16.451	6.0	323.8		9.95		TAS		43.6	1.32	m_e	mb	4.7
STU	23.28		P	15:08:24.846		323.8		9.95		TAS		68.8	1.14	m_e	mb	5.1
TANN	23.20		P	15:08:26.423		323.8		9.95		TAS		14.2	0.98	m_e	mb	4.5
TNS	21.81		P	15:08:10.189	-0.2	323.8		9.95		TAS		17.1	1.09	m_e	mb	4.4
UBR	24.53		P	15:08:39.270		323.8		9.95		TAS		14.2	0.95	m_e	mb	4.7
WET	24.38		P	15:08:37.392		323.8		9.95		TAS		10.7	1.08	m_e	mb	4.3

Event 11225002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/25	00:50:15.77			-20.3100	-177.7200				475.5	10.2		25		145.79	151.88	m i ke	BGR
OrigID 11225008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.50		PKPab	01:09:15.773		14.0		4.18		TAS					m_e
ASSE	147.49		PKPpdf	01:09:02.587		13.4		1.26		TAS					m_e
ASSE	147.49		PKPab	01:09:07.920	-0.5	14.0		4.18		TAS					m_e
BFO	151.53		PKPbc	01:09:14.875		14.4		2.52		TAS					m_e
BFO	151.53		PKPab	01:09:24.532		14.0		4.18		TAS					m_e
BRG	148.06		PKPpdf	01:09:03.095		13.4		1.26		TAS					m_e
BRG	148.06		PKPbc	01:09:06.852	0.2	14.4		2.52		TAS					m_e
BRG	148.06		PKPab	01:09:10.560	-0.1	14.0		4.18		TAS					m_e
BSEG	145.79		PKPbc	01:09:00.411	-0.3	14.4		2.52		TAS					m_e
BUG	148.60		PKPpdf	01:09:03.907		13.4		1.26		TAS					m_e
BUG	148.60		PKPbc	01:09:08.024	0.1	14.4		2.52		TAS					m_e
BUG	148.60		PKPab	01:09:12.150	0.0	14.0		4.18		TAS					m_e
CLL	147.86		PKPbc	01:09:06.022	0.1	14.4		2.52		TAS					m_e
CLL	147.86		PKPab	01:09:09.725	0.3	14.0		4.18		TAS					m_e
FLT1	147.21		PKPbc	01:09:04.166	0.2	14.4		2.52		TAS					m_e
FLT1	147.21		PKPab	01:09:06.549	0.1	14.0		4.18		TAS					m_e
FUR	151.19		PKPbc	01:09:14.215		14.4		2.52		TAS					m_e
FUR	151.19		PKPab	01:09:23.560		14.0		4.18		TAS					m_e
FUR	151.19		pPKPbc	01:11:07.821						T__					m_e
GEC2	150.01		PKPbc	01:09:11.777		14.4		2.52		TAS					m_e
GOR1	146.56		PKPbc	01:09:02.377	-0.2	14.4		2.52		TAS					m_e
GRA1	149.75		PKPpdf	01:09:05.177		13.4		1.26		TAS					m_e
GRA1	149.75		PKPbc	01:09:10.863		14.4		2.52		TAS					m_e
GRA1	149.75		PKPab	01:09:17.616		14.0		4.18		TAS					m_e
GTTG	148.16		PKPab	01:09:10.838	0.6	14.0		4.18		TAS					m_e
IBBN	147.69		PKPpdf	01:09:02.740		13.4		1.26		TAS					m_e
IBBN	147.69		PKPab	01:09:08.854	0.1	14.0		4.18		TAS					m_e
KAST	148.71		PKPpdf	01:09:04.212		13.4		1.26		TAS					m_e
KAST	148.71		PKPbc	01:09:08.350	-0.3	14.4		2.52		TAS					m_e
KAST	148.71		PKPab	01:09:12.695	-0.1	14.0		4.18		TAS					m_e
MOX	148.76		PKPpdf	01:09:04.161		13.4		1.26		TAS					m_e
MOX	148.76		PKPbc	01:09:08.629	-0.5	14.4		2.52		TAS					m_e
MOX	148.76		PKPab	01:09:13.002		14.0		4.18		TAS					m_e
NEUB	148.20		PKPpdf	01:09:03.704		13.4		1.26		TAS					m_e
NEUB	148.20		PKPbc	01:09:07.172	0.3	14.4		2.52		TAS					m_e
PLN	148.81		PKPpdf	01:09:04.567		13.4		1.26		TAS					m_e

PLN	148.81	PKPbc	01:09:08.680	-0.6	14.4	2.52	TAS	m_e
PLN	148.81	PKPab	01:09:13.475		14.0	4.18	TAS	m_e
RUE	146.59	PKPbc	01:09:02.598	0.3	14.4	2.52	TAS	m_e
STU	150.98	PKPbc	01:09:13.961		14.4	2.52	TAS	m_e
STU	150.98	PKPab	01:09:22.327		14.0	4.18	TAS	m_e
STU	150.98	pPKPbc	01:11:07.240				T__	m_e
TANN	148.81	PKPdf	01:09:04.771		13.4	1.26	TAS	m_e
TANN	148.81	PKPbc	01:09:08.782		14.4	2.52	TAS	m_e
TANN	148.81	PKPab	01:09:13.630		14.0	4.18	TAS	m_e
TANN	148.81	pPKPbc	01:10:59.133				T__	m_e
TNS	149.66	PKPbc	01:09:10.914		14.4	2.52	TAS	m_e
TNS	149.66	PKPab	01:09:16.977		14.0	4.18	TAS	m_e
UBR	151.88	PKPbc	01:09:15.636		14.4	2.52	TAS	m_e
WET	149.92	PKPbc	01:09:11.625		14.4	2.52	TAS	m_e
WET	149.92	PKPab	01:09:18.325		14.0	4.18	TAS	m_e
WLF	150.46	PKPbc	01:09:13.088		14.4	2.52	TAS	m_e
WLF	150.46	PKPab	01:09:20.907		14.0	4.18	TAS	m_e

Event 11225006 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/25	09:20:12.50			-36.3600	53.3100				10.0					93.48	94.15	m i ke	NEIC
11225045																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11225012
Ms	4.8		BGR	11225012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.48		P	09:33:27.835		147.2		5.29		TAS		33.5	1.04	m_e mb	5.7
GRA1	93.48		L	10:18:14.461						T__		289.0	18.30	a_e Ms	4.8
MOX	94.15		L	10:11:07.886						T__		340.8	21.60	a_e Ms	4.8

Event 11225007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/25	10:03:24.80			-17.9800	-179.2800				629.0					147.17	147.17	m i ke	NEIC
11225046																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.17		PKP	10:22:03.076		18.7		3.61		TAS				m_e	

Event 11225009 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/25	12:19:30.20			-19.8040	170.8770				33.0				19	144.00	148.18	m i ke	BGR
OrigID 11225015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.68		PKPbc	12:39:08.029		35.8		3.17		TAS					m_e
BFO	148.18		PKPbc	12:39:12.098		35.8		3.17		TAS					m_e
BRG	144.00		PKPbc	12:38:58.570	-0.1	35.8		3.17		TAS					m_e
BUG	145.83		PKPbc	12:39:04.778	0.1	35.8		3.17		TAS					m_e
CLL	144.01		PKPbc	12:38:58.679	0.7	35.8		3.17		TAS					m_e
FUR	147.20		PKPbc	12:39:09.149		35.8		3.17		TAS					m_e
GEC2	145.67		PKPbc	12:39:04.214		35.8		3.17		TAS					m_e
GRA1	145.99		PKPbc	12:39:06.058		35.8		3.17		TAS					m_e
GTTG	144.90		PKPbc	12:39:02.522	0.2	35.8		3.17		TAS					m_e
IBBN	144.92		PKPbc	12:39:02.414	-0.5	35.8		3.17		TAS					m_e
KAST	145.69		PKPbc	12:39:04.447	0.2	35.8		3.17		TAS					m_e
MOX	145.07		PKPbc	12:39:02.513	-0.2	35.8		3.17		TAS					m_e
NEUB	144.56		PKPbc	12:39:00.872	-0.2	35.8		3.17		TAS					m_e
PLN	145.00		PKPbc	12:39:02.179	-0.1	35.8		3.17		TAS					m_e
STU	147.50		PKPbc	12:39:10.063		35.8		3.17		TAS					m_e
TANN	144.94		PKPbc	12:39:02.497		35.8		3.17		TAS					m_e
TNS	146.53		PKPbc	12:39:07.457		35.8		3.17		TAS					m_e
UBR	148.06		PKPbc	12:39:11.780		35.8		3.17		TAS					m_e
WET	145.78		PKPbc	12:39:04.913		35.8		3.17		TAS					m_e
WLF	147.74		PKPbc	12:39:11.399		35.8		3.17		TAS					m_e

Event 11225010 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/25	12:39:16.26			-15.9070	-173.4780				33.0				25	141.84	148.08	m i ke	BGR
OrigID 11225016																	

Magnitude Err Nsta Author OrigID
Ms 5.3 BGR 11225016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.35		PKPbc	12:58:49.915	0.5	8.1		3.16		TAS					a_e
ASSE	143.62		PKPbc	12:58:44.015	-0.3	8.1		3.16		TAS					a_e

BFO	147.53	PKPbc	12:58:55.865	-0.8	8.1	3.16	TAS	a_e										
BRG	144.52	PKPbc	12:58:46.915	0.2	8.1	3.16	TAS	a_e										
BSEG	141.84	PKPbc	12:58:38.366	-0.8	8.1	3.16	TAS	m_e										
BUG	144.45	PKPbc	12:58:46.515	0.2	8.1	3.16	TAS	a_e										
CLL	144.21	PKPbc	12:58:45.615	0.1	8.1	3.16	TAS	a_e										
FLT1	143.38	PKPbc	12:58:42.565	0.3	8.1	3.16	TAS	a_e										
FUR	147.50	PKPbc	12:58:55.815		8.1	3.16	TAS	a_e										
GEC2	146.54	PKPbc	12:58:53.165	-0.5	8.1	3.16	TAS	a_e										
GOR1	142.72	PKPbc	12:58:40.550	-0.1	8.1	3.16	TAS	m_e										
GRA1	145.99	PKPbc	12:58:52.115	-0.1	8.1	3.16	TAS	a_e										
GRA1	145.99	L	14:09:11.418				T__		499.8	20.80	a_e	Ms					5.3	
GTTG	144.25	PKPbc	12:58:46.215	-0.2	8.1	3.16	TAS	a_e										
IBBN	143.58	PKPbc	12:58:43.915	0.1	8.1	3.16	TAS	a_e										
KAST	144.66	PKPbc	12:58:47.515	0.1	8.1	3.16	TAS	a_e										
MOX	145.01	PKPbc	12:58:48.665	0.4	8.1	3.16	TAS	a_e										
MOX	145.01	L	13:56:49.121				T__		509.9	21.70	a_e	Ms					5.3	
NEUB	144.46	PKPbc	12:58:46.665	0.4	8.1	3.16	TAS	a_e										
PLN	145.12	PKPbc	12:58:49.015	0.4	8.1	3.16	TAS	m_e										
RUE	142.97	PKPbc	12:58:41.065	-0.5	8.1	3.16	TAS	a_e										
STU	147.05	PKPbc	12:58:54.665	-0.3	8.1	3.16	TAS	a_e										
TANN	145.15	PKPbc	12:58:49.265	0.2	8.1	3.16	TAS	a_e										
TNS	145.64	PKPbc	12:58:50.815	0.7	8.1	3.16	TAS	a_e										
UBR	148.08	PKPbc	12:58:57.165		8.1	3.16	TAS	a_e										
WET	146.35	PKPbc	12:58:52.965	-0.1	8.1	3.16	TAS	a_e										
WLF	146.23	PKPbc	12:58:52.765	0.4	8.1	3.16	TAS	a_e										

Event 11225012 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/25	19:21:48.81			-8.7300	67.4700				33.0					76.03	76.03	m i ke	NEIC
OrigID 11225051																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11225018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.03		P	19:33:27.359		122.1		6.67		TAS		7.4	0.96	m_e mb	4.8

Event 11226001 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	06:28:56.80			52.4000	-31.7400				10.0					26.83	26.83	m i ke	EMSC
OrigID 11226033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	11226007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	26.83		P	06:34:37.017		292.4		8.13		TAS		5.7	0.97	m_e	mb	4.3

Event 11226002 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	08:26:45.40			24.7000	125.7600				33.0				28	83.02	88.57	m i ke	BGR
OrigID																	
11226008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	11226008
MBB	6.3		BGR	11226008
Ms	6.2		BGR	11226008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	87.56		P	08:39:31.034	-0.1	56.0		4.86		TAS		183.9	1.90	a_e	MBB	6.2
ASSE	84.80		S	08:49:46.176		57.4		6.57		TAS				m_e		
ASSE	84.80		P	08:39:17.534	0.1	56.0		4.86		TAS		163.8	1.54	a_e	MBB	6.3
BFO	88.23		P	08:39:33.734	0.3	56.0		4.86		TAS		73.5	1.35	a_e	MBB	6.3
BRG	83.78		S	08:49:35.040	1.7	57.4		6.57		TAS				m_e		
BRG	83.78		P	08:39:12.484	-0.0	56.0		4.86		TAS		69.4	1.11	a_e	MBB	6.2
BSEG	83.96		S	08:49:37.079	0.9	57.4		6.57		TAS				m_e		
BSEG	83.96		P	08:39:13.434	0.1	56.0		4.86		TAS		71.1	1.06	a_e	MBB	6.4
BUG	86.92		P	08:39:27.634	-0.3	56.0		4.86		TAS		28.7	1.20	a_e	MBB	6.0
CLL	84.05		S	08:49:38.961	-0.5	57.4		6.57		TAS				m_e		
CLL	84.05		P	08:39:13.534	0.2	56.0		4.86		TAS		79.3	0.86	m_e	MBB	6.3
CLZ	85.12		S	08:49:45.392		57.4		6.57		TAS				m_e		
FLT1	84.40		S	08:49:42.255	0.8	57.4		6.57		TAS				m_e		
FLT1	84.40		P	08:39:15.084	0.0	56.0		4.86		TAS		38.2	0.89	a_e	MBB	6.2
FUR	86.72		P	08:39:27.134	-0.2	56.0		4.86		TAS		244.0	1.02	a_e	MBB	6.8
GEC2	85.00		S	08:49:46.019		57.4		6.57		TAS				m_e		
GEC2	85.00		P	08:39:18.534	-0.3	56.0		4.86		TAS		26.9	1.00	a_e	MBB	6.2
GOR1	84.00		P	08:39:13.684	-0.0	56.0		4.86		TAS		121.4	1.32	a_e	MBB	6.6
GRA1	85.89		S	08:49:52.136		57.4		6.57		TAS				m_e		
GRA1	85.89		P	08:39:23.034	0.4	56.0		4.86		TAS		124.6	1.02	a_e	MBB	6.3
GRA1	85.89		L	09:22:46.960						T__		11577.4	18.00	a_e	Ms	6.3
GTTG	85.50		S	08:49:48.505		57.4		6.57		TAS				m_e		
GTTG	85.50		P	08:39:20.984	-0.2	56.0		4.86		TAS		117.2	1.12	a_e	MBB	6.3
HLG	84.98		S	08:49:45.705		57.4		6.57		TAS				m_e		
HLG	84.98		P	08:39:18.484	0.1	56.0		4.86		TAS		189.7	1.03	a_e	MBB	6.5
IBBN	86.16		P	08:39:24.084	-0.5	56.0		4.86		TAS		163.2	1.35	a_e	MBB	6.4
KAST	86.49		S	08:49:57.914		57.4		6.57		TAS				m_e		

KAST	86.49	P	08:39:25.884	-0.2	56.0	4.86	TAS	65.6	1.25	a_e	MBB	6.3
MOX	85.15	S	08:49:46.019		57.4	6.57	TAS			m_e		
MOX	85.15	P	08:39:19.134	0.1	56.0	4.86	TAS	80.2	1.29	a_e	MBB	6.1
MOX	85.15	L	09:19:52.063				T__	6329.2	21.40	a_e	Ms	6.0
NEUB	84.76	S	08:49:45.235		57.4	6.57	TAS			m_e		
NEUB	84.76	P	08:39:17.134	-0.1	56.0	4.86	TAS	65.1	0.85	a_e	MBB	6.3
PLN	84.95	S	08:49:45.235		57.4	6.57	TAS			m_e		
PLN	84.95	P	08:39:18.134	0.0	56.0	4.86	TAS	39.0	1.41	a_e	MBB	5.7
RETH	85.11	P	08:39:18.984	0.0	56.0	4.86	TAS	86.7	1.25	a_e	MBB	6.3
RUE	83.02	S	08:49:33.610	-0.4	57.4	6.57	TAS			m_e		
RUE	83.02	P	08:39:08.834	-0.0	56.0	4.86	TAS	185.0	1.27	a_e	MBB	6.6
STU	87.50	P	08:39:30.334	-0.4	56.0	4.86	TAS	172.9	0.85	a_e	MBB	6.6
TANN	84.82	S	08:49:45.392		57.4	6.57	TAS			m_e		
TANN	84.82	P	08:39:17.634	0.2	56.0	4.86	TAS	79.9	1.33	a_e	MBB	6.0
TNS	87.05	P	08:39:28.634	0.2	56.0	4.86	TAS	78.9	1.34	a_e	MBB	6.5
UBR	87.64	S	08:50:00.136		57.4	6.57	TAS			m_e		
UBR	87.64	P	08:39:31.034		56.0	4.86	TAS	100.8	0.87	a_e	MBB	6.4
WET	85.29	S	08:49:47.564		57.4	6.57	TAS			m_e		
WET	85.29	P	08:39:20.284	0.1	56.0	4.86	TAS	103.3	1.72	a_e	MBB	6.2
WLF	88.57	P	08:39:36.034	0.2	56.0	4.86	TAS	53.3	0.92	a_e	MBB	6.4

Event 11226003 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	09:17:06.77			24.5460	123.6640				33.0					84.88	84.88	m i ke	BGR
OrigID 11226009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11226009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.88		P	09:29:37.803		62.1		4.63		TAS		5.6	0.96	m_e mb	4.8

Event 11226004 Minahassa Peninsula, Sulawesi, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	15:01:31.10			0.0700	123.4300				113.0					104.16	104.16	m i ke	EMSC
OrigID 11226036																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	104.16		Pdiff	15:15:18.135						T__				m_e	

Event 11226005 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	15:15:11.50	2.72	0.91	34.9500	26.8500	66.7	61.2	83	10.0			21	348	16.95	21.69	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11226011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.19		P	15:19:53.491		136.3		10.73		TAS		55.1	0.83	m_e mb	4.9
ASSE	20.70		P	15:19:48.139	-0.7	136.3		10.73		TAS		31.1	1.02	m_e mb	4.6
BFO	19.17		P	15:19:32.550	1.1	136.3		10.73		TAS		44.4	1.06	m_e mb	4.6
BRG	18.46		P	15:19:23.010	-0.1	136.3		10.73		TAS		17.1	0.63	m_e mb	4.3
BUG	21.68		P	15:19:59.540		136.3		10.73		TAS		30.8	1.45	m_e mb	4.5
CLL	19.16		P	15:19:32.317	2.2	136.3		10.73		TAS		28.6	0.83	m_e mb	4.5
FLT1	20.64		P	15:19:45.580	0.4	136.3		10.73		TAS		75.0	1.69	m_e mb	4.8
FUR	17.56		P	15:19:15.973	0.7	136.3		10.73		TAS		183.4	1.26	m_e mb	5.1
GEC2	16.95		P	15:19:06.727	-1.7	136.3		10.73		TAS		225.3	1.66	m_e mb	5.0
GRA1	18.66		P	15:19:26.268	-0.8	136.3		10.73		TAS		255.9	1.44	m_e mb	5.2
GTTG	20.56		P	15:19:47.209	0.0	136.3		10.73		TAS		170.8	1.28	m_e mb	5.2
KAST	21.00		P	15:19:50.931	0.9	136.3		10.73		TAS		59.0	1.31	m_e mb	4.8
MOX	19.19		P	15:19:34.644	1.1	136.3		10.73		TAS		59.4	1.47	m_e mb	4.6
NEUB	19.55		P	15:19:36.971	-1.2	136.3		10.73		TAS		46.1	1.05	m_e mb	4.6
PLN	18.85		P	15:19:28.827	0.2	136.3		10.73		TAS		74.0	1.77	m_e mb	4.6
RETH	21.69		P	15:19:59.773		136.3		10.73		TAS		87.5	1.36	m_e mb	5.0
RUE	19.84		P	15:19:40.694	1.1	136.3		10.73		TAS		288.3	1.52	m_e mb	5.3
STU	19.00		P	15:19:29.758	1.1	136.3		10.73		TAS		89.2	0.78	m_e mb	5.1
TANN	18.67		P	15:19:26.733	0.1	136.3		10.73		TAS		61.5	1.23	m_e mb	4.7
TNS	20.32		P	15:19:43.718	-1.4	136.3		10.73		TAS		61.1	0.84	m_e mb	4.9
UBR	17.83		P	15:19:18.241	0.6	136.3		10.73		TAS		31.8	0.67	m_e mb	4.6
WET	17.52		P	15:19:13.470	-1.3	136.3		10.73		TAS		108.8	1.45	m_e mb	4.8
WLF	21.12		P	15:19:53.258		136.3		10.73		TAS		58.2	1.23	m_e mb	4.8

Event 11226006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	15:42:52.38			-18.5400	-178.6300				627.6	2.9		19		143.92	149.99	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
AHRW	147.66		PKPdf	16:01:26.819		14.4		1.62		TAS				m_e	
AHRW	147.66		PKPbc	16:01:30.052	0.5	15.9		2.76		TAS				m_e	
AHRW	147.66		PKPab	16:01:33.764		16.0		4.08		TAS				m_e	
AHRW	147.66		SKP	16:04:09.159	-0.2	16.7		2.16		TAS				m_e	
ASSE	145.61		PKPbc	16:01:24.323	0.2	15.9		2.76		TAS				a_e	
ASSE	145.61		SKP	16:04:04.812	0.1	16.7		2.16		TAS				m_e	
BFO	149.66		PKPdf	16:01:29.958		14.4		1.62		TAS				m_e	
BFO	149.66		PKPbc	16:01:35.023		15.9		2.76		TAS				a_e	
BFO	149.66		PKPab	16:01:41.645		16.0		4.08		TAS				m_e	
BRG	146.15		PKPbc	16:01:25.873	0.5	15.9		2.76		TAS				a_e	
BRG	146.15		SKP	16:04:05.949	0.1	16.7		2.16		TAS				m_e	
BSEG	143.92		PKPbc	16:01:18.823	-0.4	15.9		2.76		TAS				a_e	
BUG	146.75		PKPdf	16:01:25.216	-0.2	14.4		1.62		TAS				m_e	
BUG	146.75		SKP	16:04:07.283	0.4	16.7		2.16		TAS				m_e	
CLL	145.95		PKPbc	16:01:26.173	0.0	15.9		2.76		TAS				a_e	
CLL	145.95		SKP	16:04:05.252	0.0	16.7		2.16		TAS				m_e	
FLT1	145.32		PKPbc	16:01:23.153	0.2	15.9		2.76		TAS				m_e	
FLT1	145.32		SKP	16:04:04.174	-0.1	16.7		2.16		TAS				m_e	
FUR	149.29		PKPdf	16:01:29.691		14.4		1.62		TAS				m_e	
FUR	149.29		PKPbc	16:01:34.206		15.9		2.76		TAS				m_e	
FUR	149.29		PKPab	16:01:40.777		16.0		4.08		TAS				m_e	
GEC2	148.09		PKPdf	16:01:27.887		14.4		1.62		TAS				m_e	
GEC2	148.09		PKPbc	16:01:31.023	-0.2	15.9		2.76		TAS				a_e	
GEC2	148.09		pPKPbc	16:03:52.946						T__				m_e	
GEC2	148.09		SKP	16:04:10.434		16.7		2.16		TAS				m_e	
GOR1	144.67		PKPbc	16:01:21.373	-0.4	15.9		2.76		TAS				m_e	
GOR1	144.67		SKP	16:04:02.712	0.2	16.7		2.16		TAS				m_e	
GRA1	147.85		PKPbc	16:01:30.893	-0.3	15.9		2.76		TAS				m_e	
GRA1	147.85		PKPab	16:01:34.967		16.0		4.08		TAS				m_e	
GRA1	147.85		pPKPbc	16:03:52.093						T__				m_e	
GTTG	146.28		PKPbc	16:01:26.473	0.1	15.9		2.76		TAS				a_e	
GTTG	146.28		SKP	16:04:05.891	0.0	16.7		2.16		TAS				m_e	
HLG	143.98		PKPbc	16:01:19.373	-0.2	15.9		2.76		TAS				a_e	
IBBN	145.84		PKPbc	16:01:25.073	1.0	15.9		2.76		TAS				a_e	
IBBN	145.84		SKP	16:04:05.203	-0.2	16.7		2.16		TAS				m_e	
KAST	146.84		PKPdf	16:01:25.416		14.4		1.62		TAS				m_e	
KAST	146.84		PKPbc	16:01:27.823	0.1	15.9		2.76		TAS				a_e	
KAST	146.84		SKP	16:04:07.381	-0.2	16.7		2.16		TAS				m_e	
MOX	146.86		PKPdf	16:01:25.483		14.4		1.62		TAS				m_e	
MOX	146.86		PKPbc	16:01:27.723	0.2	15.9		2.76		TAS				a_e	
MOX	146.86		PKPab	16:01:30.292		16.0		4.08		TAS				m_e	
MOX	146.86		SKP	16:04:06.863	-0.0	16.7		2.16		TAS				m_e	
NEUB	146.31		PKPbc	16:01:26.223	0.2	15.9		2.76		TAS				a_e	
NEUB	146.31		SKP	16:04:06.135	-0.5	16.7		2.16		TAS				m_e	
PLN	146.90		PKPdf	16:01:25.750		14.4		1.62		TAS				m_e	
PLN	146.90		PKPbc	16:01:27.923	0.1	15.9		2.76		TAS				a_e	
PLN	146.90		SKP	16:04:07.823	0.1	16.7		2.16		TAS				m_e	
RETH	145.22		PKPbc	16:01:23.056	-0.2	15.9		2.76		TAS				m_e	

RETH	145.22	SKP	16:04:03.791	-0.0	16.7	2.16	TAS	m_e
RUE	144.69	PKPbc	16:01:21.323	-0.0	15.9	2.76	TAS	a_e
RUE	144.69	SKP	16:04:02.296	0.2	16.7	2.16	TAS	m_e
STU	149.10	PKPdf	16:01:29.090		14.4	1.62	TAS	m_e
STU	149.10	PKPbc	16:01:33.866	-0.7	15.9	2.76	TAS	m_e
STU	149.10	PKPab	16:01:39.842		16.0	4.08	TAS	m_e
STU	149.10	pPKPbc	16:03:55.709				T__	m_e
STU	149.10	SKP	16:04:11.914		16.7	2.16	TAS	m_e
TANN	146.91	PKPdf	16:01:25.750		14.4	1.62	TAS	m_e
TANN	146.91	PKPbc	16:01:28.023	0.5	15.9	2.76	TAS	m_e
TANN	146.91	PKPab	16:01:31.227		16.0	4.08	TAS	m_e
TANN	146.91	SKP	16:04:07.225	0.3	16.7	2.16	TAS	m_e
TNS	147.80	PKPdf	16:01:27.286		14.4	1.62	TAS	m_e
TNS	147.80	PKPbc	16:01:30.692	-0.3	15.9	2.76	TAS	m_e
TNS	147.80	PKPab	16:01:34.499		16.0	4.08	TAS	m_e
TNS	147.80	SKP	16:04:09.515		16.7	2.16	TAS	m_e
UBR	149.99	PKPdf	16:01:30.492		14.4	1.62	TAS	m_e
UBR	149.99	PKPbc	16:01:35.623		15.9	2.76	TAS	a_e
WET	148.01	PKPdf	16:01:27.687		14.4	1.62	TAS	m_e
WET	148.01	PKPbc	16:01:30.692	0.1	15.9	2.76	TAS	m_e
WET	148.01	PKPab	16:01:35.501		16.0	4.08	TAS	m_e
WET	148.01	pPKPbc	16:03:52.728				T__	m_e
WLF	148.62	PKPdf	16:01:28.622		14.4	1.62	TAS	m_e
WLF	148.62	PKPab	16:01:38.573		16.0	4.08	TAS	m_e

Event 11226008 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	16:13:51.60			38.1100	23.1500				5.0					14.39	14.39	m i ke	NOA
11226077																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	14.39		P	16:17:23.974		139.0		11.92		TAS		8.0	0.84	m_e	

Event 11226009 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	18:59:03.30			35.1500	26.8700				10.0					18.50	18.50	m i ke	NOA
11226078																	

Magnitude Err Nsta Author OrigID

mb 5.5 BGR 11226015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	18.50		P	19:03:19.979		135.9		12.31		TAS		641.8	1.94	m_e	mb 5.5

Event 11226012 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	19:39:58.21			41.9300	144.7730				33.0					79.97	79.97	m i ke	BGR
OrigID 11226018																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.5			BGR	11226018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.97		P	19:52:03.320		33.5		4.60		TAS		5.2	0.80	m_e	mb 4.5

Event 11226010 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	22:02:27.70			35.1500	26.9300				33.0					18.53	18.53	m i ke	NOA
OrigID 11226079																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.2			BGR	11226016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	18.53		P	22:06:39.225		135.7		12.55		TAS		23.6	1.44	m_e	mb 4.2

Event 11227001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/26	23:45:22.29			-22.2200	-179.0700				624.1	8.5		23		147.46	153.47	m i ke	BGR
OrigID 11227007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.13		PKPbc	00:04:01.332	-0.0	18.6		2.31		TAS				m_e	
BFO	153.20		PKPbc	00:04:10.582		18.6		2.31		TAS				m_e	

2021/12/27 00:11:48.70 22.7600 143.1500 115.0 96.12 96.12 m i ke EMSC
11227034

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 96.12 PP 00:28:57.090 T__ m_e

Event 11227005 Southern Iran

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/12/27 07:32:05.60 27.7100 54.7600 33.0 22 37.91 42.89 m i ke BGR
11227011

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 11227011
Ms 3.7 BGR 11227011

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
AHRW 42.51 P 07:39:58.465 108.7 8.23 TAS 17.5 1.03 m_e mb 4.7
ASSE 40.81 P 07:39:44.272 -0.1 108.7 8.23 TAS 16.2 1.01 m_e mb 4.7
BFO 41.20 P 07:39:46.599 -0.2 108.7 8.23 TAS 14.7 1.23 m_e mb 4.6
BRG 38.46 P 07:39:24.029 -1.5 108.7 8.23 TAS 7.7 0.98 m_e mb 4.4
BSEG 41.63 P 07:39:51.020 -0.4 108.7 8.23 TAS 11.0 0.88 m_e mb 4.6
BUG 42.62 P 07:39:59.862 108.7 8.23 TAS m_e
CLL 39.16 P 07:39:31.079 0.5 108.7 8.23 TAS 16.0 1.14 m_e mb 4.5
FLT1 40.55 P 07:39:42.483 -0.2 108.7 8.23 TAS 30.4 1.03 m_e mb 5.0
FUR 39.25 P 07:39:31.993 0.4 108.7 8.23 TAS 25.9 0.77 m_e mb 4.9
GEC2 37.91 P 07:39:20.767 -0.1 108.7 8.23 TAS 12.8 0.84 m_e mb 4.7
GOR1 40.74 P 07:39:43.532 -0.7 108.7 8.23 TAS 31.5 1.09 m_e mb 5.0
GRA1 39.72 P 07:39:36.152 0.9 108.7 8.23 TAS 48.2 0.84 m_e mb 5.2
GRA1 39.72 L 07:57:51.202 T__ 123.3 20.20 a_e Ms 3.7
GTTG 41.04 P 07:39:46.599 0.2 108.7 8.23 TAS 42.7 1.39 m_e mb 5.0
IBBN 42.57 P 07:39:59.163 108.7 8.23 TAS 25.4 1.04 m_e mb 4.9
KAST 41.86 P 07:39:53.812 108.7 8.23 TAS 11.7 0.91 m_e mb 4.6
MOX 39.77 P 07:39:36.036 1.7 108.7 8.23 TAS 5.9 0.92 m_e mb 4.2
MOX 39.77 L 07:53:26.627 T__ 88.2 19.90 a_e Ms 3.6
PLN 39.39 P 07:39:34.267 -0.3 108.7 8.23 TAS 1.6 0.94 m_e mb 3.6
RGN 40.24 P 07:39:40.782 -0.6 108.7 8.23 TAS 282.5 1.44 m_e mb 5.7
TNS 41.58 P 07:39:51.605 0.0 108.7 8.23 TAS 60.1 1.44 m_e mb 5.1
UBR 39.89 P 07:39:37.248 -0.6 108.7 8.23 TAS 56.7 0.78 m_e mb 5.3
WET 38.52 P 07:39:25.662 -0.2 108.7 8.23 TAS 12.8 0.82 m_e mb 4.6
WLF 42.89 P 07:40:01.862 108.7 8.23 TAS 27.8 0.82 m_e mb 5.0

Event 11227007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/27	11:34:11.80			-21.4300	-174.0300				10.0					150.42	151.40	m i ke	EMSC
OrigID 11227039																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	11227013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	151.40		PKP	11:54:05.632		10.3		1.68		TAS		36.3	2.08	m_e	
GRA1	151.40		L	13:03:06.501						T__		991.9	20.80	a_e	Ms 5.6
MOX	150.42		L	13:02:26.324						T__		1100.9	20.00	a_e	Ms 5.7

Event 11227008 Eastern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/27	13:30:43.46			33.3500	77.7100				33.0				23	48.85	53.21	m i ke	BGR
OrigID 11227014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11227014
Ms	4.9		BGR	11227014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	53.21		P	13:39:59.281		83.3		7.50		TAS		40.6	1.53	m_e	mb 5.1
BFO	52.80		P	13:39:54.044		83.3		7.50		TAS		14.8	1.22	m_e	mb 4.8
BRG	48.85		P	13:39:26.077	-0.1	83.3		7.50		TAS		46.1	1.38	m_e	mb 5.3
BSEG	50.81		P	13:39:42.077	0.4	83.3		7.50		TAS		27.5	0.94	m_e	mb 5.2
BUG	52.95		P	13:39:57.468		83.3		7.50		TAS		40.3	2.17	m_e	mb 5.0
CLL	49.40		P	13:39:30.194	0.0	83.3		7.50		TAS		18.0	1.06	m_e	mb 5.0
FLT1	50.40		P	13:39:37.176	1.4	83.3		7.50		TAS		19.5	0.79	m_e	mb 5.1
FUR	50.89		P	13:39:43.352	0.3	83.3		7.50		TAS		164.9	1.57	m_e	mb 5.7
GEC2	49.20		P	13:39:28.851	0.3	83.3		7.50		TAS		77.1	1.93	m_e	mb 5.4
GOR1	50.30		P	13:39:36.411	-0.8	83.3		7.50		TAS		111.4	1.78	m_e	mb 5.5
GRA1	50.71		P	13:39:41.018	1.8	83.3		7.50		TAS		289.2	2.14	m_e	mb 5.8
GRA1	50.71		L	14:02:38.026						T__		791.0	21.10	a_e	Ms 4.7
GTTG	51.27		P	13:39:45.094	0.4	83.3		7.50		TAS		78.9	1.42	m_e	mb 5.4
IBBN	52.52		P	13:39:53.709		83.3		7.50		TAS		98.7	1.68	m_e	mb 5.5
KAST	52.27		P	13:39:52.408	0.2	83.3		7.50		TAS		216.7	2.91	m_e	mb 5.6
MOX	50.34		P	13:39:37.149	0.6	83.3		7.50		TAS		37.6	1.57	m_e	mb 5.1
MOX	50.34		L	14:01:55.301						T__		1716.8	20.50	a_e	Ms 5.0
NEUB	50.18		P	13:39:36.504	-0.6	83.3		7.50		TAS		62.6	1.61	m_e	mb 5.3
PLN	50.01		P	13:39:34.800	-0.7	83.3		7.50		TAS		14.4	1.50	m_e	mb 4.7
RETH	51.49		P	13:39:46.592	0.2	83.3		7.50		TAS		31.6	1.53	m_e	mb 5.0

STU	52.16	P	13:39:51.628	-1.9	83.3	7.50	TAS	142.3	1.44	m_e	mb	5.7
TANN	49.83	P	13:39:33.886	-0.0	83.3	7.50	TAS	47.6	1.68	m_e	mb	5.2
TNS	52.40	P	13:39:52.970	-0.0	83.3	7.50	TAS	51.1	1.79	m_e	mb	5.2
UBR	51.74	P	13:39:48.069	-0.2	83.3	7.50	TAS	58.9	1.35	m_e	mb	5.3
WET	49.70	P	13:39:33.056	-0.5	83.3	7.50	TAS	64.9	1.84	m_e	mb	5.2

Event 11227009 Northwestern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/27	13:37:28.30			35.5900	74.9700				50.0					47.54	47.54	m i ke	EMSC
	11227041																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11227015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	47.54		P	13:45:59.509		82.0		6.75		TAS		7.9	1.12	m_e	mb	4.8

Event 11228002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2021/12/28	17:34:35.60			-18.4600	-178.0000				600.0					25	143.93	150.02	m i ke	BGR
	11228008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.63		PKPbc	17:53:07.349	0.1	15.3		2.78		TAS				m_e	
BFO	149.67		PKPbc	17:53:18.214		15.3		2.78		TAS				m_e	
BRG	146.21		PKPbc	17:53:09.375	0.3	15.3		2.78		TAS				m_e	
BSEG	143.93		PKPbc	17:53:02.257	-0.3	15.3		2.78		TAS				a_e	
BUG	146.74		PKPbc	17:53:10.668	0.2	15.3		2.78		TAS				m_e	
CLL	146.00		PKPbc	17:53:08.657	0.2	15.3		2.78		TAS				a_e	
FLT1	145.34		PKPbc	17:53:06.507	-0.4	15.3		2.78		TAS				a_e	
FUR	149.34		PKPdf	17:53:12.336		18.3		1.50		TAS				m_e	
FUR	149.34		PKPbc	17:53:17.406		15.3		2.78		TAS				m_e	
GEC2	148.16		PKPbc	17:53:14.657	-0.4	15.3		2.78		TAS				a_e	
GOR1	144.70		PKPbc	17:53:04.484	0.1	15.3		2.78		TAS				m_e	
GRA1	147.89		PKPbc	17:53:14.144	0.5	15.3		2.78		TAS				m_e	
GTTG	146.30		PKPdf	17:53:07.962		18.3		1.50		TAS				m_e	
GTTG	146.30		PKPbc	17:53:09.553	0.0	15.3		2.78		TAS				m_e	
IBBN	145.83		PKPbc	17:53:07.705	0.2	15.3		2.78		TAS				m_e	
KAST	146.85		PKPbc	17:53:11.035	0.3	15.3		2.78		TAS				m_e	

MOX	146.90	PKPdf	17:53:08.545		18.3	1.50	TAS		m_e
MOX	146.90	PKPbc	17:53:11.191	0.4	15.3	2.78	TAS		m_e
NEUB	146.35	PKPdf	17:53:07.962		18.3	1.50	TAS		m_e
NEUB	146.35	PKPbc	17:53:09.757	0.2	15.3	2.78	TAS		a_e
PLN	146.95	PKPdf	17:53:08.837		18.3	1.50	TAS		m_e
PLN	146.95	PKPbc	17:53:11.457	0.4	15.3	2.78	TAS		a_e
RETH	145.22	PKPbc	17:53:06.382	-0.1	15.3	2.78	TAS		m_e
RUE	144.74	PKPbc	17:53:04.807	-0.1	15.3	2.78	TAS		a_e
STU	149.12	PKPdf	17:53:12.219		18.3	1.50	TAS		m_e
STU	149.12	PKPbc	17:53:17.157	-0.6	15.3	2.78	TAS		a_e
TANN	146.96	PKPdf	17:53:09.070		18.3	1.50	TAS		m_e
TANN	146.96	PKPbc	17:53:11.557	0.4	15.3	2.78	TAS		m_e
TNS	147.80	PKPbc	17:53:13.945	-0.1	15.3	2.78	TAS		m_e
UBR	150.02	PKPbc	17:53:19.007		15.3	2.78	TAS		m_e
WET	148.07	PKPbc	17:53:14.168	0.0	15.3	2.78	TAS		m_e
WLF	148.60	PKPdf	17:53:11.694		18.3	1.50	TAS		m_e
WLF	148.60	PKPbc	17:53:16.357	-0.5	15.3	2.78	TAS		a_e

Event 11229001 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	03:57:43.55			55.4470	169.4280				33.0			28		68.51	75.66	m i ke	BGR
11229007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11229007
Ms	4.9		BGR	11229007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.23		P	04:09:09.962	0.1	12.7		5.90		TAS		179.7	1.89	a_e mb	5.9
ASSE	71.23		P	04:08:58.162	0.1	12.7		5.90		TAS		82.6	1.45	a_e mb	5.7
BFO	75.26		P	04:09:21.462	-0.4	12.7		5.90		TAS		130.7	2.00	a_e mb	5.6
BRG	71.98		P	04:09:02.362	-0.1	12.7		5.90		TAS		49.2	1.28	a_e mb	5.5
BSEG	69.51		P	04:08:47.962	0.0	12.7		5.90		TAS		66.8	1.17	a_e mb	5.7
BUG	72.33		P	04:09:04.212	-0.2	12.7		5.90		TAS		82.1	1.99	a_e mb	5.5
CLL	71.70		P	04:09:00.462	-0.4	12.7		5.90		TAS		114.5	1.63	a_e mb	5.8
FLT1	70.96		P	04:08:55.962	-0.5	12.7		5.90		TAS		57.2	1.29	a_e mb	5.5
FUR	75.02		P	04:09:20.462	-0.0	12.7		5.90		TAS		102.6	1.42	a_e mb	5.7
GEC2	73.98		P	04:09:14.562	0.2	12.7		5.90		TAS		41.1	1.04	a_e mb	5.4
GOR1	70.30		P	04:08:52.912	0.3	12.7		5.90		TAS		221.9	1.69	a_e mb	6.0
GRA1	73.53		P	04:09:12.162	0.4	12.7		5.90		TAS		144.3	1.39	a_e mb	5.8
GRA1	73.53		L	04:40:56.106						T__		649.7	21.00	a_e Ms	4.9
GTTG	71.89		P	04:09:02.162	0.1	12.7		5.90		TAS		29.6	1.02	a_e mb	5.4
HLG	69.56		P	04:08:48.262	0.2	12.7		5.90		TAS		74.5	0.91	a_e mb	5.8
IBBN	71.42		P	04:08:59.262	0.1	12.7		5.90		TAS		106.6	1.09	a_e mb	5.9
KAST	72.42		P	04:09:05.262	0.1	12.7		5.90		TAS		75.3	1.49	a_e mb	5.6

MOX	72.55	P	04:09:05.962	0.1	12.7	5.90	TAS	37.9	1.21	a_e	mb	5.4
MOX	72.55	L	04:39:45.231				T__	842.3	21.80	a_e	Ms	5.0
NEUB	71.99	P	04:09:02.412	-0.2	12.7	5.90	TAS	159.1	1.73	a_e	mb	5.9
PLN	72.62	P	04:09:06.562	0.2	12.7	5.90	TAS	11.5	1.21	a_e	mb	4.9
RETH	70.80	P	04:08:55.612	0.1	12.7	5.90	TAS	181.1	1.89	a_e	mb	5.9
RGN	68.51	P	04:08:41.762	-0.3	12.7	5.90	TAS	229.9	1.31	a_e	mb	6.2
RUE	70.45	P	04:08:53.362	-0.1	12.7	5.90	TAS	188.9	1.82	a_e	mb	5.9
STU	74.71	P	04:09:18.262	-0.4	12.7	5.90	TAS	69.9	0.99	a_e	mb	5.7
TANN	72.65	P	04:09:06.812	0.3	12.7	5.90	TAS	124.8	1.70	m_e	mb	5.8
TNS	73.38	P	04:09:10.762	-0.0	12.7	5.90	TAS	198.1	2.14	a_e	mb	5.8
UBR	75.66	P	04:09:23.962	-0.3	12.7	5.90	TAS	37.4	1.21	a_e	mb	5.4
WET	73.82	P	04:09:13.912	0.5	12.7	5.90	TAS	66.4	1.29	a_e	mb	5.5
WLF	74.20	P	04:09:15.712	0.2	12.7	5.90	TAS	35.3	1.10	a_e	mb	5.3

Event 11229003 Balleny Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	05:00:21.80			-64.5170	148.5150				33.0			27		151.43	156.60	m i ke	BGR
11229009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	155.50		PKPbc	05:20:22.332	0.3	141.1		2.28		TAS					m_e
ASSE	155.17		PKPbc	05:20:21.080	-0.4	141.1		2.28		TAS					m_e
BFO	153.27		PKPbc	05:20:17.145	0.1	141.1		2.28		TAS					m_e
BRG	152.86		PKPbc	05:20:16.489	0.2	141.1		2.28		TAS					m_e
BSEG	156.60		PKPbc	05:20:25.134	0.2	141.1		2.28		TAS					m_e
BUG	156.10		PKPbc	05:20:23.703	0.3	141.1		2.28		TAS					m_e
CLL	153.58		PKPbc	05:20:17.741	-0.2	141.1		2.28		TAS					m_e
FLT1	155.07		PKPbc	05:20:20.603	-0.7	141.1		2.28		TAS					m_e
FUR	151.92		PKPbc	05:20:14.224	0.4	141.1		2.28		TAS					m_e
GEC2	151.43		PKPbc	05:20:12.853	0.0	141.1		2.28		TAS					m_e
GOR1	155.51		PKPbc	05:20:22.474	0.1	141.1		2.28		TAS					m_e
GRA1	153.12		PKPbc	05:20:16.608	-0.0	141.1		2.28		TAS					m_e
GTTG	155.04		PKPbc	05:20:20.901	-0.1	141.1		2.28		TAS					m_e
IBBN	156.53		PKPbc	05:20:24.418	0.0	141.1		2.28		TAS					m_e
KAST	155.44		PKPbc	05:20:22.093	0.2	141.1		2.28		TAS					m_e
MOX	153.68		PKPbc	05:20:17.516	-0.4	141.1		2.28		TAS					m_e
NEUB	154.02		PKPbc	05:20:18.516	-0.3	141.1		2.28		TAS					m_e
PLN	153.33		PKPbc	05:20:16.608	-0.6	141.1		2.28		TAS					m_e
RETH	156.16		PKPbc	05:20:23.640	-0.0	141.1		2.28		TAS					m_e
RGN	155.72		PKPbc	05:20:24.213	0.7	141.1		2.28		TAS					m_e
RUE	154.09		PKPbc	05:20:19.530	0.2	141.1		2.28		TAS					m_e
STU	153.26		PKPbc	05:20:16.500	-0.4	141.1		2.28		TAS					m_e
TANN	153.15		PKPbc	05:20:17.026	0.2	141.1		2.28		TAS					m_e

TNS	154.69	PKPbc	05:20:20.038	-0.1	141.1	2.28	TAS	m_e
UBR	152.03	PKPbc	05:20:14.760	0.6	141.1	2.28	TAS	m_e
WET	152.01	PKPbc	05:20:14.105	0.0	141.1	2.28	TAS	m_e
WLF	155.21	PKPbc	05:20:21.277	-0.2	141.1	2.28	TAS	m_e

Event 11229002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	05:08:02.28	0.71	1.13	34.9030	26.0350	53.4	12.2	49	10.0			31	348	14.48	20.73	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	11229008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	14.64		Pn	05:11:25.221	-0.0					T__				m_e	
BE1	17.05		Pn	05:11:58.969	1.4					T__				m_e	
BERGE	18.57		P	05:12:16.072	-0.1					T__		353.9	1.00	m_e mb	5.5
BFO	18.78		P	05:12:19.247	-0.1					T__		183.7	0.78	m_e mb	5.4
BIOA	15.78		Pn	05:11:40.532	0.0					T__				m_e	
DAVA	17.31		Sn	05:14:57.869	2.4					T__				m_e	
DAVA	17.31		Pn	05:12:01.897	0.9					T__				m_e	
FETA	16.70		Sn	05:14:40.304	-0.9					T__				m_e	
FETA	16.70		Pn	05:11:53.266	0.5					T__				m_e	
FUR	17.20		Pn	05:12:01.256	1.7					T__				m_e	
GEC2	16.65		Pn	05:11:52.644	0.5					T__				m_e	
GRA1	18.34		Pn	05:12:14.887	0.2					T__				m_e	
KBA	15.45		Pn	05:11:36.639	0.5					T__				m_e	
KW1	16.57		Pn	05:11:50.682	-0.3					T__				m_e	
LESA	16.02		Pn	05:11:43.210	-0.5					T__				m_e	
MANZ	18.19		Pn	05:12:12.783	0.1					T__				m_e	
METMA	18.44		Sn	05:15:19.503	-2.0					T__				m_e	
METMA	18.44		Pn	05:12:14.621	-1.4					T__				m_e	
MOA	15.63		Pn	05:11:38.813	0.3					T__				m_e	
MOTA	16.72		Pn	05:11:52.981	-0.1					T__				m_e	
MOX	18.90		P	05:12:21.813	-0.1					T__		104.4	0.67	m_e mb	5.2
NORI	17.90		Sn	05:15:10.011	0.8					T__				m_e	
NORI	17.90		Pn	05:12:07.995	-0.9					T__				m_e	
OBKA	14.48		Sn	05:13:46.620	-3.2					T__				m_e	
PART	16.82		Pn	05:11:54.872	0.5					T__				m_e	
RETA	16.99		Pn	05:11:56.817	0.1					T__				m_e	
RJOB	16.19		Pn	05:11:46.854	0.9					T__				m_e	
ROTZ	17.98		Pn	05:12:08.547	-1.3					T__				m_e	
SQTA	16.59		Pn	05:11:51.267	-0.0					T__				m_e	
STU	18.63		P	05:12:18.127	-0.1					T__		121.4	0.67	m_e mb	5.3
TNS	19.97		P	05:12:34.231	-0.1					T__		245.9	0.71	m_e mb	5.5

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UBR 17.45 Pn 05:12:02.974 0.2 T__ m_e
WALHA 18.00 Pn 05:12:09.286 -0.9 T__ m_e
WET 17.22 Pn 05:11:59.816 0.1 T__ m_e
WLF 20.73 P 05:12:41.477 -0.1 T__ 454.4 1.17 m_e mb 5.7
WTTA 16.40 Sn 05:14:35.055 0.6 T__ m_e
WTTA 16.40 Pn 05:11:49.610 0.8 T__ m_e
ZUGS 16.83 Sn 05:14:46.638 2.2 T__ m_e
ZUGS 16.83 Pn 05:11:55.256 0.7 T__ m_e

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Event 11229005 North of Severnaya Zemlya

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	13:58:30.50			85.1400	92.6500				10.0					39.95	39.95	m i ke	EMSC
OrigID 11229037																	

Magnitude Err Nsta Author OrigID
 mb 4.3 BGR 11229011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	39.95		P	14:06:06.863		7.5		8.07		TAS		9.9	1.20	m_e mb	4.3

Event 11229006 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	14:00:47.40			51.7900	152.8100				411.0					73.63	73.63	m i ke	EMSC
OrigID 11229038																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 11229012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.63		P	14:11:38.217		23.7		5.07		TAS		12.4	1.20	m_e mb	4.8

Event 11229008 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	14:46:29.80			64.4700	-17.8900				10.0				14	21.35	21.35	m i ke	EMSC
OrigID 11229040																	

Magnitude Err Nsta Author OrigID

mb 4.3 BGR 11229014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	21.35		P	14:51:14.561	0.8	324.7		9.60		TAS		21.0	1.25	m_e mb	4.3

Event 11229009 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	16:46:59.22	0.65	0.90	34.3760	25.5720	45.6	8.9	57	10.0			25	348	14.92	20.91	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11229015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	14.92		Pn	16:50:25.589	-0.3					T__				m_e	
BE1	17.27		Pn	16:50:57.918	0.6					T__				m_e	
BERGE	18.74		P	16:51:15.457						T__		127.9	0.85	m_e mb	5.2
BFO	18.96		P	16:51:18.638						T__		77.4	0.78	m_e mb	5.0
BIOA	16.03		Sn	16:53:24.407	1.7					T__				m_e	
BIOA	16.03		Pn	16:50:40.589	-0.2					T__				m_e	
DAVA	17.48		Pn	16:50:59.566	-0.6					T__				m_e	
EMING	18.41		Pn	16:51:11.642	-0.9					T__				m_e	
FETA	16.88		Sn	16:53:44.179	1.9					T__				m_e	
FETA	16.88		Pn	16:50:53.013	0.9					T__				m_e	
FUR	17.42		Pn	16:50:59.575	0.2					T__				m_e	
GEC2	16.93		Pn	16:50:53.688	0.9					T__				m_e	
KBA	15.68		Sn	16:53:13.135	-1.6					T__				m_e	
KBA	15.68		Pn	16:50:36.192	0.1					T__				m_e	
KW1	16.81		Pn	16:50:50.822	-0.3					T__				m_e	
LESA	16.24		Sn	16:53:27.860	0.2					T__				m_e	
LESA	16.24		Pn	16:50:43.029	-0.6					T__				m_e	
METMA	18.60		Pn	16:51:13.686	-1.4					T__				m_e	
MOA	15.90		Sn	16:53:19.908	0.2					T__				m_e	
MOA	15.90		Pn	16:50:38.536	-0.5					T__				m_e	
MOTA	16.92		Sn	16:53:43.225	-0.0					T__				m_e	
MOTA	16.92		Pn	16:50:52.464	-0.2					T__				m_e	
MOX	19.18		P	16:51:21.545						T__		36.9	0.71	m_e mb	4.7
NORI	18.13		Pn	16:51:09.319	0.6					T__				m_e	
PART	17.02		Pn	16:50:54.496	0.5					T__				m_e	
RETA	17.18		Pn	16:50:56.524	0.4					T__				m_e	
RJOB	16.43		Sn	16:53:32.088	0.2					T__				m_e	
RJOB	16.43		Pn	16:50:46.694	0.6					T__				m_e	
ROTZ	18.25		Pn	16:51:08.406	-2.0					T__				m_e	
SQTA	16.78		Sn	16:53:38.360	-1.7					T__				m_e	
SQTA	16.78		Pn	16:50:51.473	0.7					T__				m_e	

STU	18.83	P	16:51:18.006		T__	123.0	0.84	m_e	mb	5.2
TNS	20.19	P	16:51:32.909		T__	109.7	0.61	m_e	mb	5.2
UBR	17.64	Pn	16:51:02.081	-0.1	T__			m_e		
WALHA	18.18	Pn	16:51:09.073	-0.3	T__			m_e		
WET	17.49	Pn	16:51:00.135	-0.1	T__			m_e		
WLF	20.91	P	16:51:40.593		T__	133.9	0.74	m_e	mb	5.4
WTTA	16.60	Sn	16:53:35.225	-0.8	T__			m_e		
WTTA	16.60	Pn	16:50:48.913	0.5	T__			m_e		
ZUGS	17.03	Pn	16:50:55.879	1.8	T__			m_e		

Event 11229010 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	18:25:52.40			-7.5300	127.5700				170.0			28		110.06	115.78	m i ke	EMSC
	11229042																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	114.92		Pdiff	18:40:27.947	1.1	75.4		5.04		TAS				m_e	
AHRW	114.92		X	18:44:14.087	0.2	75.1		1.74		TAS				m_e	
AHRW	114.92		PP	18:45:16.254	-0.2	75.0		7.09		TAS				m_e	
AHRW	114.92		PPP	18:47:42.108		74.0		7.48		TAS				m_e	
AHRW	114.92		SP	18:54:27.535	-1.5	71.4		9.10		TAS				m_e	
ASSE	112.28		Pdiff	18:40:12.886	-0.8	75.4		5.04		TAS				m_e	
ASSE	112.28		X	18:44:09.130	-0.2	75.1		1.74		TAS				m_e	
ASSE	112.28		PP	18:44:57.982	0.1	75.0		7.09		TAS				m_e	
ASSE	112.28		PPP	18:47:27.245	1.1	74.0		7.48		TAS				m_e	
ASSE	112.28		SP	18:54:07.718	3.0	71.4		9.10		TAS				m_e	
BFO	114.86		Pdiff	18:40:26.716	1.0	75.4		5.04		TAS				m_e	
BFO	114.86		X	18:44:14.017	0.3	75.1		1.74		TAS				m_e	
BFO	114.86		PP	18:45:15.167	-0.6	75.0		7.09		TAS				m_e	
BFO	114.86		PPP	18:47:44.585		74.0		7.48		TAS				m_e	
BFO	114.86		SP	18:54:26.709	-2.6	71.4		9.10		TAS				m_e	
BRG	110.65		Pdiff	18:40:05.673	0.4	75.4		5.04		TAS				m_e	
BRG	110.65		X	18:44:06.323	-0.1	75.1		1.74		TAS				m_e	
BRG	110.65		PP	18:44:46.236	0.2	75.0		7.09		TAS				m_e	
BRG	110.65		PPP	18:47:10.730	-2.4	74.0		7.48		TAS				m_e	
BRG	110.65		SP	18:53:51.203	0.7	71.4		9.10		TAS				m_e	
BSEG	111.93		Pdiff	18:40:12.069	-0.3	75.4		5.04		TAS				m_e	
BSEG	111.93		X	18:44:08.856	-0.0	75.1		1.74		TAS				m_e	
BSEG	111.93		PP	18:44:56.025	0.1	75.0		7.09		TAS				m_e	
BSEG	111.93		PPP	18:47:22.290	-0.1	74.0		7.48		TAS				m_e	
BSEG	111.93		SP	18:54:01.112	-0.1	71.4		9.10		TAS				m_e	
BUG	114.50		Pdiff	18:40:24.890	0.4	75.4		5.04		TAS				m_e	
BUG	114.50		X	18:44:13.782	0.6	75.1		1.74		TAS				m_e	

BUG	114.50	PP	18:45:14.297	0.6	75.0	7.09	TAS	m_e
BUG	114.50	PPP	18:47:38.805	-2.0	74.0	7.48	TAS	m_e
BUG	114.50	SP	18:54:26.709	1.8	71.4	9.10	TAS	m_e
CLL	111.11	Pdiff	18:40:06.894	-0.8	75.4	5.04	TAS	m_e
CLL	111.11	X	18:44:07.523	0.3	75.1	1.74	TAS	m_e
CLL	111.11	PP	18:44:49.064	-0.4	75.0	7.09	TAS	m_e
CLL	111.11	PPP	18:47:13.208	1.2	74.0	7.48	TAS	m_e
CLL	111.11	SP	18:53:51.203	-3.3	71.4	9.10	TAS	m_e
FLT1	111.89	Pdiff	18:40:10.560	-1.2	75.4	5.04	TAS	m_e
FLT1	111.89	X	18:44:08.590	-0.1	75.1	1.74	TAS	m_e
FLT1	111.89	PP	18:44:55.155	-0.0	75.0	7.09	TAS	m_e
FLT1	111.89	PPP	18:47:22.290	2.5	74.0	7.48	TAS	m_e
FLT1	111.89	SP	18:54:01.112	-0.0	71.4	9.10	TAS	m_e
FUR	113.02	Pdiff	18:40:16.798	-0.2	75.4	5.04	TAS	m_e
FUR	113.02	X	18:44:09.736	-0.8	75.1	1.74	TAS	m_e
FUR	113.02	PP	18:45:02.115	-0.6	75.0	7.09	TAS	m_e
FUR	113.02	PPP	18:47:29.722	-0.4	74.0	7.48	TAS	m_e
FUR	113.02	SP	18:54:15.975	3.0	71.4	9.10	TAS	m_e
GEC2	111.29	Pdiff	18:40:08.698	0.5	75.4	5.04	TAS	m_e
GEC2	111.29	X	18:44:08.192	0.7	75.1	1.74	TAS	m_e
GEC2	111.29	PP	18:44:50.369	-0.0	75.0	7.09	TAS	m_e
GEC2	111.29	PPP	18:47:18.162	0.8	74.0	7.48	TAS	m_e
GEC2	111.29	SP	18:53:59.461	2.3	71.4	9.10	TAS	m_e
GOR1	111.65	Pdiff	18:40:10.575	-0.2	75.4	5.04	TAS	m_e
GOR1	111.65	X	18:44:08.655	0.3	75.1	1.74	TAS	m_e
GOR1	111.65	PP	18:44:54.067	0.4	75.0	7.09	TAS	m_e
GOR1	111.65	PPP	18:47:20.639	0.8	74.0	7.48	TAS	m_e
GOR1	111.65	SP	18:53:58.635	-0.2	71.4	9.10	TAS	m_e
GRA1	112.64	Pdiff	18:40:14.515	-0.7	75.4	5.04	TAS	m_e
GRA1	112.64	X	18:44:09.602	-0.3	75.1	1.74	TAS	m_e
GRA1	112.64	PP	18:45:00.593	0.5	75.0	7.09	TAS	m_e
GRA1	112.64	PPP	18:47:28.070	1.7	74.0	7.48	TAS	m_e
GRA1	112.64	SP	18:54:07.718	-1.2	71.4	9.10	TAS	m_e
GTTG	112.87	Pdiff	18:40:16.609	-0.1	75.4	5.04	TAS	m_e
GTTG	112.87	X	18:44:10.288	-0.1	75.1	1.74	TAS	m_e
GTTG	112.87	PP	18:45:02.550	0.5	75.0	7.09	TAS	m_e
GTTG	112.87	PPP	18:47:31.373	-0.2	74.0	7.48	TAS	m_e
GTTG	112.87	SP	18:54:13.498	3.2	71.4	9.10	TAS	m_e
HLG	113.19	X	18:44:10.894	-0.2	75.1	1.74	TAS	m_e
HLG	113.19	PP	18:45:04.508	-0.7	75.0	7.09	TAS	m_e
HLG	113.19	PPP	18:47:31.373	-1.1	74.0	7.48	TAS	m_e
HLG	113.19	SP	18:54:15.149	2.5	71.4	9.10	TAS	m_e
IBBN	113.92	Pdiff	18:40:20.731	-0.5	75.4	5.04	TAS	m_e
IBBN	113.92	X	18:44:11.944	-0.3	75.1	1.74	TAS	m_e
IBBN	113.92	PP	18:45:09.729	-0.0	75.0	7.09	TAS	m_e
IBBN	113.92	PPP	18:47:35.479	-3.8	74.0	7.48	TAS	m_e
IBBN	113.92	SP	18:54:20.104	0.6	71.4	9.10	TAS	m_e
KAST	113.90	Pdiff	18:40:22.891	-1.5	75.4	5.04	TAS	m_e
KAST	113.90	X	18:44:11.905	-0.2	75.1	1.74	TAS	m_e

KAST	113.90	PP	18:45:09.729	0.4	75.0	7.09	TAS	m_e
KAST	113.90	PPP	18:47:35.502	1.1	74.0	7.48	TAS	m_e
KAST	113.90	SP	18:54:20.104	0.5	71.4	9.10	TAS	m_e
MOX	112.14	Pdiff	18:40:13.119	0.4	75.4	5.04	TAS	m_e
MOX	112.14	X	18:44:08.858	-0.2	75.1	1.74	TAS	m_e
MOX	112.14	PP	18:44:57.112	0.5	75.0	7.09	TAS	m_e
MOX	112.14	PPP	18:47:23.116	2.8	74.0	7.48	TAS	m_e
MOX	112.14	SP	18:54:05.241	1.3	71.4	9.10	TAS	m_e
NEUB	111.89	Pdiff	18:40:10.792	-0.8	75.4	5.04	TAS	m_e
NEUB	111.89	X	18:44:08.468	-0.1	75.1	1.74	TAS	m_e
NEUB	111.89	PP	18:44:54.720	-0.2	75.0	7.09	TAS	m_e
NEUB	111.89	PPP	18:47:23.942	0.2	74.0	7.48	TAS	m_e
NEUB	111.89	SP	18:54:01.112	-0.4	71.4	9.10	TAS	m_e
PLN	111.85	Pdiff	18:40:10.094	-1.2	75.4	5.04	TAS	m_e
PLN	111.85	X	18:44:08.421	-0.1	75.1	1.74	TAS	m_e
PLN	111.85	PP	18:44:54.720	0.2	75.0	7.09	TAS	m_e
PLN	111.85	PPP	18:47:22.290	0.8	74.0	7.48	TAS	m_e
PLN	111.85	SP	18:53:58.635	-2.8	71.4	9.10	TAS	m_e
RETH	112.85	Pdiff	18:40:17.096	0.3	75.4	5.04	TAS	m_e
RETH	112.85	X	18:44:10.461	0.1	75.1	1.74	TAS	m_e
RETH	112.85	PP	18:45:01.898	-0.3	75.0	7.09	TAS	m_e
RETH	112.85	PPP	18:47:30.548	2.5	74.0	7.48	TAS	m_e
RETH	112.85	SP	18:54:11.021	1.2	71.4	9.10	TAS	m_e
RGN	110.06	Pdiff	18:40:04.045	1.0	75.4	5.04	TAS	m_e
RGN	110.06	X	18:44:05.704	0.1	75.1	1.74	TAS	m_e
RGN	110.06	PP	18:44:42.321	-0.4	75.0	7.09	TAS	m_e
RGN	110.06	SP	18:53:43.772	-0.4	71.4	9.10	TAS	m_e
RUE	110.35	Pdiff	18:40:05.208	1.2	75.4	5.04	TAS	m_e
RUE	110.35	X	18:44:05.834	-0.1	75.1	1.74	TAS	m_e
RUE	110.35	PP	18:44:43.626	-0.6	75.0	7.09	TAS	m_e
RUE	110.35	PPP	18:47:05.776	-1.4	74.0	7.48	TAS	m_e
RUE	110.35	SP	18:53:45.423	-1.8	71.4	9.10	TAS	m_e
STU	114.18	Pdiff	18:40:22.367	0.2	75.4	5.04	TAS	m_e
STU	114.18	X	18:44:12.450	-0.1	75.1	1.74	TAS	m_e
STU	114.18	PP	18:45:11.251	0.3	75.0	7.09	TAS	m_e
STU	114.18	PPP	18:47:39.631	-2.3	74.0	7.48	TAS	m_e
STU	114.18	SP	18:54:22.581	-0.5	71.4	9.10	TAS	m_e
TANN	111.68	Pdiff	18:40:11.258	0.9	75.4	5.04	TAS	m_e
TANN	111.68	X	18:44:08.481	0.3	75.1	1.74	TAS	m_e
TANN	111.68	PP	18:44:54.067	0.7	75.0	7.09	TAS	m_e
TANN	111.68	PPP	18:47:20.639	-1.3	74.0	7.48	TAS	m_e
TANN	111.68	SP	18:53:56.158	-3.8	71.4	9.10	TAS	m_e
TNS	114.19	Pdiff	18:40:23.375	-0.1	75.4	5.04	TAS	m_e
TNS	114.19	X	18:44:12.673	0.1	75.1	1.74	TAS	m_e
TNS	114.19	PP	18:45:11.686	0.4	75.0	7.09	TAS	m_e
TNS	114.19	PPP	18:47:37.153	1.0	74.0	7.48	TAS	m_e
TNS	114.19	SP	18:54:17.626	-5.0	71.4	9.10	TAS	m_e
UBR	113.91	Pdiff	18:40:20.565	1.1	75.4	5.04	TAS	m_e
UBR	113.91	X	18:44:11.818	-0.2	75.1	1.74	TAS	m_e

UBR	113.91	PP	18:45:07.771	-1.2	75.0	7.09	TAS	m_e
UBR	113.91	PPP	18:47:35.502	-1.0	74.0	7.48	TAS	m_e
UBR	113.91	SP	18:54:25.884	4.7	71.4	9.10	TAS	m_e
WET	111.74	Pdiff	18:40:11.258	0.7	75.4	5.04	TAS	m_e
WET	111.74	X	18:44:08.382	0.1	75.1	1.74	TAS	m_e
WET	111.74	PP	18:44:54.067	0.4	75.0	7.09	TAS	m_e
WET	111.74	PPP	18:47:18.988	1.2	74.0	7.48	TAS	m_e
WET	111.74	SP	18:54:01.938	0.9	71.4	9.10	TAS	m_e
WLF	115.78	Pdiff	18:40:32.199		75.4	5.04	TAS	m_e
WLF	115.78	X	18:44:15.572	0.2	75.1	1.74	TAS	m_e
WLF	115.78	PP	18:45:22.562	0.1	75.0	7.09	TAS	m_e
WLF	115.78	SP	18:54:34.967	-2.0	71.4	9.10	TAS	m_e

Event 11229011 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/29	21:30:21.90			36.9500	94.5700				10.0					58.93	58.93	m i ke	EMSC
OrigID 11229043																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11229017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	58.93		P	21:40:22.692		68.2		5.81		TAS		9.6	0.94	m_e	mb 4.8
GRA1	58.93		pP	21:40:29.398						T__		9.6	0.94	m_e	

Event 11230002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/30	00:18:47.60			-22.9670	-177.7340				33.0				13	148.40	154.47	m i ke	BGR
OrigID 11230008																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	150.62		PKPbc	00:38:36.898		18.0		2.34		TAS					m_e
BSEG	148.40		PKPbc	00:38:31.305	-0.2	18.0		2.34		TAS					m_e
CLL	150.43		PKPbc	00:38:36.300	-0.3	18.0		2.34		TAS					m_e
FLT1	149.81		PKPbc	00:38:34.635	0.3	18.0		2.34		TAS					m_e
FUR	153.77		PKPbc	00:38:43.857		18.0		2.34		TAS					m_e
GEC2	152.56		PKPbc	00:38:41.039		18.0		2.34		TAS					m_e
MOX	151.34		PKPbc	00:38:38.392		18.0		2.34		TAS					m_e
PLN	151.39		PKPbc	00:38:38.819		18.0		2.34		TAS					m_e

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RUE	149.17	PKPbc	00:38:33.184	0.0	18.0	2.34	TAS	m_e
STU	153.58	PKPbc	00:38:43.771		18.0	2.34	TAS	m_e
TANN	151.39	PKPbc	00:38:38.776		18.0	2.34	TAS	m_e
TNS	152.28	PKPbc	00:38:40.954		18.0	2.34	TAS	m_e
UBR	154.47	PKPbc	00:38:45.394		18.0	2.34	TAS	m_e

Event 11230003 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/30	06:47:07.00			23.9900	122.6200				10.0			7		82.64	85.97	m i ke	EMSC
OrigID 11230035																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11230009
Ms	5.1		BGR	11230009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	82.64		P	06:59:30.122		58.8		5.26		TAS		10.2	0.91	m_e mb	5.0
FLT1	83.36		P	06:59:33.607		58.8		5.26		TAS		14.7	1.02	m_e mb	5.2
FUR	85.51		P	06:59:45.368		58.8		5.26		TAS		106.3	1.17	m_e mb	5.9
GEC2	83.77		P	06:59:36.224		58.8		5.26		TAS		34.6	1.03	m_e mb	5.5
GRA1	84.74		P	06:59:41.473		58.8		5.26		TAS		25.1	0.91	m_e mb	5.4
GRA1	84.74		L	07:42:00.434						T__		720.3	20.10	a_e Ms	5.1
MOX	84.03		L	07:42:02.550						T__		894.6	18.70	a_e Ms	5.2
TNS	85.97		P	06:59:47.374		58.8		5.26		TAS		15.4	1.14	m_e mb	5.0
WET	84.09		P	06:59:37.906		58.8		5.26		TAS				m_e	

Event 11230006 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/30	13:24:39.73			58.4250	-155.8530				33.0			10		67.31	72.62	m i ke	BGR
OrigID 11230012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	11230012
Ms	4.7		BGR	11230012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	69.14		P	13:35:42.034	-0.2	352.9		6.04		TAS		35.8	1.07	m_e mb	5.5
BRG	70.62		P	13:35:50.490		352.9		6.04		TAS		29.5	0.89	m_e mb	5.4
BSEG	67.31		P	13:35:30.906	0.1	352.9		6.04		TAS		63.7	1.06	m_e mb	5.8
BUG	69.51		P	13:35:43.813	0.1	352.9		6.04		TAS		25.4	1.10	m_e mb	5.3
CLL	70.12		P	13:35:47.727		352.9		6.04		TAS		44.0	1.31	m_e mb	5.4

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GEC2	72.62	P	13:36:03.038	352.9	6.04	TAS	21.3	0.81	m_e	mb	5.3
GRA1	71.60	L	14:23:26.857			T__	490.4	20.80	a_e	Ms	4.8
KAST	69.85	P	13:35:46.231	352.9	6.04	TAS	36.1	0.82	m_e	mb	5.5
MOX	70.68	P	13:35:50.951	352.9	6.04	TAS	40.5	0.71	m_e	mb	5.7
MOX	70.68	L	14:19:25.899			T__	362.6	20.90	a_e	Ms	4.6
PLN	70.88	P	13:35:52.471	352.9	6.04	TAS	8.8	0.80	m_e	mb	4.9
TANN	70.97	P	13:35:53.138	352.9	6.04	TAS	23.5	1.20	m_e	mb	5.2

Event 11230007 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/30	13:47:18.50	12.30	0.40	45.4300	16.3600	205.7	31.1	136	8.0			8	336	3.37	6.22	m i ke	EMSC
11230039																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	6.22		Pn	13:48:49.820	-0.6					T__				m_e	
GEC2	3.87		Sn	13:49:01.368						T__				m_e	
GEC2	3.87		Pn	13:48:18.303	0.2					T__				m_e	
MANZ	5.38		Pn	13:48:39.403	0.6					T__				m_e	
MOX	6.11		Pn	13:48:48.152	-0.3					T__				m_e	
RJOB	3.37		Pn	13:48:12.453	0.1					T__				m_e	
ROTZ	5.16		Sn	13:49:30.325						T__				m_e	
ROTZ	5.16		Pn	13:48:35.731	-0.2					T__				m_e	
UBR	4.86		Pn	13:48:32.687	0.6					T__				m_e	
WET	4.40		Pn	13:48:25.432	-0.3					T__				m_e	

Event 11231001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/12/31	16:55:44.79			-16.0320	-174.6920				33.0			11		144.18	147.60	m i ke	BGR
11231007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.60		PKPbc	17:15:25.186		10.2		3.15		TAS				m_e	
BUG	144.55		PKPbc	17:15:15.779	-0.5	10.2		3.15		TAS				m_e	
CLL	144.18		PKPbc	17:15:14.280	-0.6	10.2		3.15		TAS				m_e	
GEC2	146.47		PKPbc	17:15:22.188		10.2		3.15		TAS				m_e	
GTTG	144.28		PKPbc	17:15:15.313	0.1	10.2		3.15		TAS				m_e	
KAST	144.73		PKPbc	17:15:16.761	0.0	10.2		3.15		TAS				m_e	

MOX	145.01	PKPbc	17:15:17.536	0.3	10.2	3.15	TAS	m_e
PLN	145.10	PKPbc	17:15:18.001	0.2	10.2	3.15	TAS	m_e
TANN	145.13	PKPbc	17:15:18.105	0.0	10.2	3.15	TAS	m_e
TNS	145.71	PKPbc	17:15:20.482	-0.6	10.2	3.15	TAS	m_e
WLF	146.35	PKPbc	17:15:22.343		10.2	3.15	TAS	m_e