

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

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

October 2021 UPDATED 22.December 2022

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

Event 11001001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/01	00:10:54.07			52.7100	-171.9600				33.0				25	73.58	79.84	m i ke	BGR
OrigID 11001007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11001007
Ms	4.3		BGR	11001007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	75.38		P	00:22:35.752	-0.3	1.5		4.83		TAS		24.1	0.99	a_e mb	5.3
BFO	79.20		P	00:22:56.952	-0.1	1.5		4.83		TAS		26.3	1.05	a_e mb	5.2
BRG	76.54		P	00:22:42.202	0.0	1.5		4.83		TAS		38.1	1.03	m_e mb	5.5
BSEG	73.58		P	00:22:25.552	0.0	1.5		4.83		TAS		40.5	0.95	a_e mb	5.4
BUG	76.09		P	00:22:39.402	-0.0	1.5		4.83		TAS		5.9	0.86	a_e mb	4.7
CLL	76.14		P	00:22:39.702	0.0	1.5		4.83		TAS		25.9	0.98	a_e mb	5.3
FLT1	75.17		P	00:22:34.052	-0.0	1.5		4.83		TAS		23.3	0.87	a_e mb	5.2
FUR	79.33		P	00:22:57.952		1.5		4.83		TAS		23.3	0.85	a_e mb	5.2
GEC2	78.57		P	00:22:53.652	-0.3	1.5		4.83		TAS		25.9	0.98	a_e mb	5.2
GOR1	74.50		P	00:22:31.152	0.1	1.5		4.83		TAS		40.0	1.17	a_e mb	5.3
GRA1	77.81		P	00:22:49.852	0.2	1.5		4.83		TAS		62.7	0.94	a_e mb	5.7
GRA1	77.81		L	01:00:49.490						T__		130.1	21.90	a_e Ms	4.2
GTTG	75.97		P	00:22:39.352	-0.3	1.5		4.83		TAS		35.4	0.94	a_e mb	5.5
IBBN	75.22		P	00:22:34.902	0.2	1.5		4.83		TAS		75.4	0.92	a_e mb	5.7
KAST	76.33		P	00:22:41.102	0.1	1.5		4.83		TAS		15.8	0.95	a_e mb	5.1
MOX	76.84		P	00:22:44.052	0.2	1.5		4.83		TAS		31.5	0.91	a_e mb	5.4
MOX	76.84		L	01:00:11.589						T__		172.4	20.30	a_e Ms	4.4
NEUB	76.29		P	00:22:40.852	-0.1	1.5		4.83		TAS		51.1	0.89	a_e mb	5.7
PLN	76.99		P	00:22:44.802	-0.0	1.5		4.83		TAS		5.4	0.97	a_e mb	4.7
RETH	74.79		P	00:22:32.452	-0.5	1.5		4.83		TAS		19.4	0.95	a_e mb	5.1

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RUE	74.94	P	00:22:33.352	0.1	1.5	4.83	TAS	37.5	0.92	a_e	mb	5.4
STU	78.76	P	00:22:54.552	-0.0	1.5	4.83	TAS	64.1	0.85	a_e	mb	5.7
TANN	77.05	P	00:22:45.352	0.4	1.5	4.83	TAS	10.5	0.96	a_e	mb	4.9
TNS	77.31	P	00:22:46.552	0.4	1.5	4.83	TAS	20.1	0.88	a_e	mb	5.3
UBR	79.84	P	00:23:00.702		1.5	4.83	TAS	57.4	1.32	a_e	mb	5.3
WET	78.30	P	00:22:52.452	-0.2	1.5	4.83	TAS	20.4	1.10	a_e	mb	5.2
WLF	77.85	P	00:22:49.971	-0.1	1.5	4.83	TAS	13.3	0.92	m_e	mb	5.1

Event 11001002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/01	00:24:38.54			51.6630	-169.0950				33.0					78.89	78.89	m i ke	BGR
OrigID 11001008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	11001008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.89		P	00:36:37.628		2.0		4.87		TAS		7.0	0.94	m_e	mb	4.7

Event 11001003 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/01	01:15:26.33			29.9500	50.3900				33.0				8	33.62	38.37	m i ke	BGR
OrigID 11001009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	11001009
Ms	3.9		BGR	11001009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	34.23		P	01:22:08.201	0.0	110.3		9.03		TAS		7.0	0.85	m_e	mb	4.6
BRG	34.23		PcP	01:24:44.132	-0.6	107.3		2.96		TAS				m_e		
BSEG	37.49		P	01:22:37.280		110.3		9.03		TAS		27.5	1.25	m_e	mb	4.8
BUG	38.37		PcP	01:24:56.644		107.3		2.96		TAS				m_e		
CLL	34.95		P	01:22:14.949	0.3	110.3		9.03		TAS		14.2	1.10	m_e	mb	4.8
FLT1	36.36		P	01:22:26.865	0.4	110.3		9.03		TAS		12.6	0.84	m_e	mb	4.8
FLT1	36.36		PcP	01:24:50.283		107.3		2.96		TAS				m_e		
FUR	34.93		P	01:22:14.483	0.6	110.3		9.03		TAS		48.1	0.93	m_e	mb	5.4
GEC2	33.62		P	01:22:02.124	-0.4	110.3		9.03		TAS		5.9	0.84	m_e	mb	4.5
GEC2	33.62		PcP	01:24:42.840	0.3	107.3		2.96		TAS				m_e		
GOR1	36.57		P	01:22:29.142		110.3		9.03		TAS		39.7	1.03	m_e	mb	5.1
GRA1	35.43		P	01:22:19.006	0.3	110.3		9.03		TAS		15.7	0.77	m_e	mb	5.0

GRA1	35.43	PcP	01:24:47.285	107.3	2.96	TAS											m_e	
GRA1	35.43	L	01:38:20.880			T__	160.1	19.90	a_e	Ms	3.8							
GTTG	36.81	P	01:22:31.126	110.3	9.03	TAS	17.5	1.28	m_e	mb	4.6							
GTTG	36.81	PcP	01:24:51.885	107.3	2.96	TAS												m_e
KAST	37.61	P	01:22:38.418	110.3	9.03	TAS	17.6	1.14	m_e	mb	4.7							
MOX	35.52	L	01:38:44.829			T__	208.0	18.70	a_e	Ms	3.9							
RGN	36.16	P	01:22:23.511	-0.4 110.3	9.03	TAS	255.9	1.30	m_e	mb	5.9							
RGN	36.16	PcP	01:24:48.722	107.3	2.96	TAS												m_e
RUE	34.99	P	01:22:15.219	0.7 110.3	9.03	TAS	13.1	0.61	m_e	mb	5.0							
TANN	34.93	P	01:22:14.461	-0.1 110.3	9.03	TAS	5.4	1.04	m_e	mb	4.4							
UBR	35.55	P	01:22:19.369	-0.3 110.3	9.03	TAS	16.1	0.67	m_e	mb	5.0							
UBR	35.55	PcP	01:24:48.371	107.3	2.96	TAS												m_e
WET	34.23	P	01:22:07.503	-0.6 110.3	9.03	TAS	14.2	1.33	m_e	mb	4.7							

Event 11001004 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/01	03:49:44.24			32.1080	93.4600				33.0					61.50	61.50	m i ke	BGR
11001010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11001010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	61.50		P	03:59:57.209		78.4		5.90		TAS		10.4	1.10	m_e mb	5.0

Event 11001005 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/01	14:12:54.89			56.4910	-157.7960				33.0				23	69.38	75.58	m i ke	BGR
11001011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11001011
Ms	4.0		BGR	11001011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	71.20		P	14:24:09.285	0.3	353.7		5.89		TAS		20.6	0.92	m_e mb	5.2
BFO	74.78		P	14:24:30.484		353.7		5.89		TAS		14.2	1.21	m_e mb	4.9
BRG	72.65		P	14:24:18.550	0.2	353.7		5.89		TAS		18.4	0.98	m_e mb	5.2
BSEG	69.38		P	14:23:58.676	0.1	353.7		5.89		TAS		38.7	1.15	m_e mb	5.4
BUG	71.60		P	14:24:11.601	0.1	353.7		5.89		TAS		14.3	0.99	m_e mb	5.1
CLL	72.17		P	14:24:15.038	0.4	353.7		5.89		TAS		14.0	1.06	m_e mb	5.0

FLT1	71.04	P	14:24:08.015	-0.3	353.7	5.89	TAS	17.9	1.08	m_e	mb	5.1
GEC2	74.66	P	14:24:29.942		353.7	5.89	TAS	12.9	1.12	m_e	mb	4.9
GOR1	70.39	P	14:24:05.025	0.1	353.7	5.89	TAS	136.5	2.01	m_e	mb	5.7
GRA1	73.66	P	14:24:24.263	-0.1	353.7	5.89	TAS	13.3	0.71	m_e	mb	5.1
GRA1	73.66	L	14:57:08.112				T__	86.4	18.10	a_e	Ms	4.1
GTTG	71.73	P	14:24:13.021	-0.3	353.7	5.89	TAS	34.5	1.02	m_e	mb	5.4
IBBN	70.79	P	14:24:07.193	-0.7	353.7	5.89	TAS	59.1	1.22	m_e	mb	5.6
KAST	71.94	P	14:24:14.067	-0.1	353.7	5.89	TAS	19.4	1.12	m_e	mb	5.1
MOX	72.74	P	14:24:18.624	0.1	353.7	5.89	TAS	41.3	1.25	m_e	mb	5.4
MOX	72.74	L	14:51:19.839				T__	83.7	21.30	a_e	Ms	4.0
NEUB	72.21	P	14:24:15.412	-0.1	353.7	5.89	TAS	19.2	0.72	m_e	mb	5.3
PLN	72.94	P	14:24:20.044	-0.2	353.7	5.89	TAS	4.2	0.89	m_e	mb	4.6
RETH	70.50	P	14:24:05.550	0.5	353.7	5.89	TAS	43.0	1.42	m_e	mb	5.4
RUE	71.05	P	14:24:09.136	-0.3	353.7	5.89	TAS	88.3	1.30	m_e	mb	5.7
STU	74.42	P	14:24:28.541	-0.3	353.7	5.89	TAS	27.0	0.54	m_e	mb	5.5
TANN	73.03	P	14:24:20.193	0.1	353.7	5.89	TAS	18.0	1.46	m_e	mb	5.0
TNS	72.91	P	14:24:19.745	0.5	353.7	5.89	TAS	15.6	0.79	m_e	mb	5.2
UBR	75.58	P	14:24:35.107		353.7	5.89	TAS	13.5	1.00	m_e	mb	5.0
WLF	73.25	P	14:24:21.986	0.0	353.7	5.89	TAS	36.5	1.24	m_e	mb	5.4

Event 11002003 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/02	02:17:19.30			-7.1800	154.6700				60.0					127.70	127.70	m i ke	EMSC
	11002035																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	127.70		PKP	02:36:18.716		48.4		1.00		TAS				m_e	

Event 11002004 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/02	04:24:31.40			-14.9200	-173.5400				10.0					144.03	145.01	m i ke	EMSC
	11002036																

Magnitude Err Nsta Author OrigID

Ms	5.5	BGR	11002010												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.01		PKP	04:44:10.972		8.1		2.93		TAS				m_e	
GRA1	145.01		L	05:49:36.804						T__	801.1	21.60	a_e	Ms	5.5

MOX 144.03 L 05:55:10.329 T__ 772.8 18.50 a_e Ms 5.5

Event 11002005 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/02	04:45:37.13			32.0070	94.0420				33.0					61.93	61.93	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	11002011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	61.93		P	04:55:52.994		78.0		6.10		TAS		5.3	1.00	m_e mb	4.7

Event 11002006 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/02	06:29:18.80			-21.1000	174.8900				536.0	8.3		27		143.74	150.71	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
ASSE	146.62		PKPdf	06:47:57.767	0.6	29.4		1.36		TAS				m_e	
ASSE	146.62		PKPbc	06:47:59.265	0.2	28.7		2.61		TAS				a_e	
ASSE	146.62		pPKPbc	06:50:04.796						T__				m_e	
ASSE	146.62		X	06:54:16.872						T__				m_e	
BFO	150.69		PKPdf	06:48:02.956		29.4		1.36		TAS				m_e	
BFO	150.69		PKPbc	06:48:09.065	-0.6	28.7		2.61		TAS				a_e	
BFO	150.69		pPKPbc	06:50:13.498						T__				m_e	
BFO	150.69		X	06:54:37.632						T__				m_e	
BRG	146.68		PKPdf	06:47:57.520	0.3	29.4		1.36		TAS				m_e	
BRG	146.68		PKPbc	06:47:59.415	0.1	28.7		2.61		TAS				a_e	
BRG	146.68		pPKPbc	06:50:05.592						T__				m_e	
BRG	146.68		X	06:54:15.574						T__				m_e	
BSEG	145.10		PKPbc	06:47:54.915	-0.2	28.7		2.61		TAS				a_e	
BSEG	145.10		pPKPbc	06:50:00.410						T__				m_e	
BSEG	145.10		X	06:54:05.194						T__				m_e	
BUG	148.13		PKPdf	06:47:59.250	-0.3	29.4		1.36		TAS				m_e	
BUG	148.13		PKPbc	06:48:03.065	-0.1	28.7		2.61		TAS				a_e	
BUG	148.13		pPKPbc	06:50:09.533						T__				m_e	
BUG	148.13		X	06:54:25.954						T__				m_e	
CLL	146.63		PKPdf	06:47:57.273	0.0	29.4		1.36		TAS				m_e	

CLL	146.63	PKPbc	06:47:59.065	-0.0	28.7	2.61	TAS	a_e
CLL	146.63	pPKPbc	06:50:05.354				T__	m_e
CLL	146.63	X	06:54:16.872				T__	m_e
FLT1	146.28	PKPdf	06:47:56.902	-0.1	29.4	1.36	TAS	m_e
FLT1	146.28	PKPbc	06:47:58.015	-0.1	28.7	2.61	TAS	a_e
FLT1	146.28	pPKPbc	06:50:03.652				T__	m_e
FLT1	146.28	X	06:54:10.384				T__	m_e
FUR	149.89	PKPdf	06:48:01.597		29.4	1.36	TAS	m_e
FUR	149.89	PKPbc	06:48:07.315	-0.4	28.7	2.61	TAS	a_e
FUR	149.89	pPKPbc	06:50:12.665				T__	m_e
FUR	149.89	X	06:54:33.740				T__	m_e
GEC2	148.44	PKPdf	06:47:59.744	0.2	29.4	1.36	TAS	m_e
GEC2	148.44	PKPbc	06:48:03.965	-0.1	28.7	2.61	TAS	a_e
GEC2	148.44	pPKPbc	06:50:10.589				T__	m_e
GEC2	148.44	X	06:54:27.252				T__	m_e
GOR1	145.68	PKPbc	06:47:56.765	0.2	28.7	2.61	TAS	a_e
GOR1	145.68	pPKPbc	06:50:02.337				T__	m_e
GOR1	145.68	X	06:54:10.384				T__	m_e
GRA1	148.60	PKPdf	06:48:00.114	-0.0	29.4	1.36	TAS	m_e
GRA1	148.60	PKPbc	06:48:04.665	0.5	28.7	2.61	TAS	a_e
GRA1	148.60	pPKPbc	06:50:09.705				T__	m_e
GRA1	148.60	X	06:54:29.847				T__	m_e
GTTG	147.34	PKPdf	06:47:59.003	-0.4	29.4	1.36	TAS	m_e
GTTG	147.34	PKPbc	06:48:01.365	0.4	28.7	2.61	TAS	a_e
GTTG	147.34	pPKPbc	06:50:07.679				T__	m_e
GTTG	147.34	X	06:54:19.467				T__	m_e
HLG	145.45	PKPbc	06:47:56.065	-0.2	28.7	2.61	TAS	a_e
HLG	145.45	pPKPbc	06:50:01.372				T__	m_e
IBBN	147.22	PKPdf	06:47:58.138	0.0	29.4	1.36	TAS	m_e
IBBN	147.22	PKPbc	06:48:00.765	-0.0	28.7	2.61	TAS	a_e
IBBN	147.22	pPKPbc	06:50:07.364				T__	m_e
IBBN	147.22	X	06:54:19.467				T__	m_e
KAST	148.07	PKPdf	06:47:59.497	0.1	29.4	1.36	TAS	m_e
KAST	148.07	PKPbc	06:48:03.165	0.3	28.7	2.61	TAS	a_e
KAST	148.07	pPKPbc	06:50:09.688				T__	m_e
KAST	148.07	X	06:54:24.657				T__	m_e
MOX	147.65	PKPdf	06:47:58.879	-0.0	29.4	1.36	TAS	m_e
MOX	147.65	PKPbc	06:48:01.915	0.2	28.7	2.61	TAS	a_e
MOX	147.65	pPKPbc	06:50:08.697				T__	m_e
MOX	147.65	X	06:54:22.062				T__	m_e
NEUB	147.12	PKPdf	06:47:58.014	0.0	29.4	1.36	TAS	m_e
NEUB	147.12	PKPbc	06:48:00.565	0.2	28.7	2.61	TAS	a_e
NEUB	147.12	pPKPbc	06:50:06.329				T__	m_e
NEUB	147.12	X	06:54:19.467				T__	m_e
PLN	147.61	PKPdf	06:47:59.126	0.3	29.4	1.36	TAS	m_e
PLN	147.61	PKPbc	06:48:01.915	0.3	28.7	2.61	TAS	a_e
PLN	147.61	pPKPbc	06:50:09.368				T__	m_e
PLN	147.61	X	06:54:18.169				T__	m_e
RETH	146.43	PKPdf	06:47:57.026	-0.3	29.4	1.36	TAS	m_e

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RETH	146.43	PKPbc	06:47:58.715	0.1	28.7	2.61	TAS	a_e
RETH	146.43	pPKPbc	06:50:04.639				T__	m_e
RETH	146.43	X	06:54:14.277				T__	m_e
RGN	143.74	PKPbc	06:47:50.715	-0.8	28.7	2.61	TAS	a_e
RGN	143.74	pPKPbc	06:49:54.831				T__	m_e
RUE	145.38	PKPbc	06:47:55.715	-0.1	28.7	2.61	TAS	a_e
RUE	145.38	pPKPbc	06:50:01.130				T__	m_e
RUE	145.38	X	06:54:05.194				T__	m_e
STU	150.04	PKPdf	06:48:02.338		29.4	1.36	TAS	m_e
STU	150.04	PKPbc	06:48:07.865	-0.1	28.7	2.61	TAS	a_e
STU	150.04	pPKPbc	06:50:12.746				T__	m_e
STU	150.04	X	06:54:35.037				T__	m_e
TANN	147.57	PKPdf	06:47:58.755	-0.3	29.4	1.36	TAS	m_e
TANN	147.57	PKPbc	06:48:01.865	0.3	28.7	2.61	TAS	a_e
TANN	147.57	pPKPbc	06:50:09.042				T__	m_e
TANN	147.57	X	06:54:22.062				T__	m_e
TNS	148.95	PKPdf	06:48:00.732	-0.2	29.4	1.36	TAS	m_e
TNS	148.95	PKPbc	06:48:05.415	0.3	28.7	2.61	TAS	a_e
TNS	148.95	pPKPbc	06:50:10.467				T__	m_e
TNS	148.95	X	06:54:28.550				T__	m_e
UBR	150.71	PKPdf	06:48:02.832		29.4	1.36	TAS	m_e
UBR	150.71	PKPbc	06:48:08.965	-0.8	28.7	2.61	TAS	a_e
UBR	150.71	pPKPbc	06:50:14.013				T__	m_e
UBR	150.71	X	06:54:36.335				T__	m_e
WET	148.50	PKPdf	06:48:00.361	0.2	29.4	1.36	TAS	m_e
WET	148.50	PKPbc	06:48:04.315	0.2	28.7	2.61	TAS	m_e
WET	148.50	pPKPbc	06:50:09.849				T__	m_e
WET	148.50	X	06:54:29.847				T__	m_e
WLF	150.05	PKPdf	06:48:02.462		29.4	1.36	TAS	m_e
WLF	150.05	PKPbc	06:48:08.415	0.3	28.7	2.61	TAS	a_e
WLF	150.05	pPKPbc	06:50:12.889				T__	m_e
WLF	150.05	X	06:54:36.335				T__	m_e

Event 11002009 Peru-Brazil border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/02	12:52:35.00			-9.6300	-71.2500				600.0			11		89.27	94.65	m i ke	EMSC
	11002041																

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	11002015
MBB	6.2		BGR	11002015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	92.64		SKS	13:14:19.367		253.4		5.06		TAS				m_e	
ASSE	92.64		P	13:04:43.521		257.4		4.67		TAS		108.6	1.47	a_e	6.4

ASSE	92.64	pP	13:06:53.423	-0.2					T__				m_e	
BFO	90.31	P	13:04:31.288	0.0	257.4		4.67		TAS	35.0	1.19		m_e	MBB 6.0
BFO	90.31	SP	13:15:44.365	-0.0	259.6		10.92		TAS				m_e	
BRG	94.41	P	13:04:51.271		257.4		4.67		TAS	65.7	1.01		a_e	MBB 6.1
BRG	94.41	pP	13:07:01.082	-0.2					T__				m_e	
BSEG	92.81	SKS	13:14:19.732		253.4		5.06		TAS				m_e	
BSEG	92.81	P	13:04:44.521		257.4		4.67		TAS	82.3	0.91		a_e	MBB 6.4
BSEG	92.81	pP	13:06:54.264	-0.2					T__				m_e	
BUG	90.42	P	13:04:32.571	-0.3	257.4		4.67		TAS	43.6	1.12		a_e	MBB 5.9
BUG	90.42	pP	13:06:43.062	-0.2					T__				m_e	
CLL	93.90	SKS	13:14:21.194		253.4		5.06		TAS				m_e	
CLL	93.90	P	13:04:48.771		257.4		4.67		TAS	42.3	1.10		a_e	MBB 6.2
CLL	93.90	pP	13:06:59.245	-0.2					T__				m_e	
FLT1	93.02	SKS	13:14:21.763		253.4		5.06		TAS				m_e	
FLT1	93.02	P	13:04:44.321		257.4		4.67		TAS	39.5	1.11		a_e	MBB 6.2
FLT1	93.02	pP	13:06:54.696	-0.2					T__				m_e	
FLT1	93.02	SP	13:16:14.869		259.6		10.92		TAS				m_e	
FUR	92.19	SKS	13:14:15.712		253.4		5.06		TAS				m_e	
FUR	92.19	P	13:04:40.821		257.4		4.67		TAS	127.2	0.96		a_e	MBB 6.4
FUR	92.19	SP	13:16:08.394		259.6		10.92		TAS				m_e	
GEC2	93.91	SKS	13:14:21.215		253.4		5.06		TAS				m_e	
GEC2	93.91	P	13:04:48.471		257.4		4.67		TAS	61.5	0.90		a_e	MBB 6.1
GEC2	93.91	pP	13:06:59.243	-0.2					T__				m_e	
GEC2	93.91	SP	13:16:23.085		259.6		10.92		TAS				m_e	
GOR1	93.19	P	13:04:45.571	0.2	257.4		4.67		TAS				a_e	
GRA1	92.47	SKS	13:14:11.692		253.4		5.06		TAS				m_e	
GRA1	92.47	P	13:04:42.321		257.4		4.67		TAS	66.4	1.24		a_e	MBB 6.0
GRA1	92.47	SP	13:16:10.078		259.6		10.92		TAS				m_e	
GTTG	92.08	P	13:04:40.621		257.4		4.67		TAS	87.0	1.27		a_e	MBB 6.2
GTTG	92.08	pP	13:06:51.330	-0.2					T__				m_e	
GTTG	92.08	SP	13:16:03.603		259.6		10.92		TAS				m_e	
HLG	91.47	SKS	13:14:11.875		253.4		5.06		TAS				m_e	
IBBN	90.93	P	13:04:35.021	0.5	257.4		4.67		TAS	223.0	1.56		a_e	MBB 6.4
IBBN	90.93	pP	13:06:45.717	-0.2					T__				m_e	
KAST	91.06	P	13:04:35.371	0.1	257.4		4.67		TAS	157.8	1.93		a_e	MBB 6.0
KAST	91.06	pP	13:06:46.052	-0.2					T__				m_e	
MOX	92.91	SKS	13:14:21.742		253.4		5.06		TAS				m_e	
MOX	92.91	P	13:04:44.275		257.4		4.67		TAS	31.4	1.10		m_e	MBB 6.3
MOX	92.91	pP	13:06:54.670	-0.2					T__				m_e	
MOX	92.91	SP	13:16:11.761		259.6		10.92		TAS				m_e	
NEUB	93.12	P	13:04:45.271		257.4		4.67		TAS	71.0	1.02		a_e	MBB 6.4
NEUB	93.12	pP	13:06:55.382	-0.2					T__				m_e	
PLN	93.22	SKS	13:14:22.839		253.4		5.06		TAS				m_e	
PLN	93.22	P	13:04:45.821		257.4		4.67		TAS	25.1	1.36		a_e	MBB 5.8
PLN	93.22	pP	13:06:56.347	-0.2					T__				m_e	
RETH	91.99	P	13:04:40.371	0.2	257.4		4.67		TAS				a_e	
RETH	91.99	pP	13:06:50.654	-0.2					T__				m_e	
RGN	94.65	P	13:04:52.571		257.4		4.67		TAS				a_e	
RUE	94.57	P	13:04:51.621		257.4		4.67		TAS	67.2	1.22		a_e	mb 5.9

STU	90.98	P	13:04:34.921	0.0	257.4	4.67	TAS	200.8	1.08	a_e	MBB	6.7
STU	90.98	pP	13:06:45.884	-0.2			T__				m_e	
STU	90.98	SP	13:15:51.790		259.6	10.92	TAS				m_e	
TANN	93.40	SKS	13:14:23.387		253.4	5.06	TAS				m_e	
TANN	93.40	P	13:04:46.771		257.4	4.67	TAS	67.0	1.09	a_e	MBB	6.3
TANN	93.40	pP	13:06:56.662	-0.2			T__				m_e	
TANN	93.40	SP	13:16:17.717		259.6	10.92	TAS				m_e	
TNS	90.84	P	13:04:34.571	0.1	257.4	4.67	TAS	79.8	0.90	m_e	MBB	6.2
TNS	90.84	pP	13:06:45.280	-0.2			T__				m_e	
UBR	91.32	P	13:04:37.071	0.1	257.4	4.67	TAS	214.3	1.50	a_e	MBB	6.4
UBR	91.32	pP	13:06:47.509	-0.2			T__				m_e	
WET	93.43	SKS	13:14:20.646		253.4	5.06	TAS				m_e	
WET	93.43	P	13:04:46.621		257.4	4.67	TAS	82.3	1.03	a_e	MBB	6.3
WET	93.43	pP	13:06:56.781	-0.2			T__				m_e	
WET	93.43	SP	13:16:18.235		259.6	10.92	TAS				m_e	
WLF	89.27	P	13:04:27.421	0.2	257.4	4.67	TAS	212.7	0.98	a_e	MBB	6.5
WLF	89.27	pP	13:06:37.628	-0.2			T__				m_e	
WLF	89.27	SP	13:15:32.645	-0.5	259.6	10.92	TAS				m_e	

Event 11002012 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/02	20:43:41.00			-9.1800	67.1300				20.0					76.22	76.52	m i ke	EMSC
11002044																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	11002018
Ms	5.0		BGR	11002018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	76.22		P	20:55:27.126		122.6		6.75		TAS		53.4	1.06	m_e	mb	5.6
GRA1	76.22		L	21:17:18.312						T__		725.1	21.90	a_e	Ms	4.9
MOX	76.52		L	21:32:01.186						T__		1023.7	20.10	a_e	Ms	5.1

Event 11003001 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/03	01:34:17.29			43.8660	148.1260				33.0					79.40	79.40	m i ke	BGR
11003007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	11003007

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.40		P	01:46:19.258		28.3		4.67		TAS		6.6	0.91	m_e	mb 4.6

Event 11003002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/03	09:45:56.30			-19.1500	-169.1540				143.0					149.43	149.43	m i ke	NEIC
OrigID 11003041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.43		PKP	10:05:15.412		0.7		3.05		TAS				m_e	
GRA1	149.43		pPKP	10:05:52.853						T__				m_e	

Event 11004001 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/04	02:39:31.39			32.2300	49.3100				33.0				5	31.38	36.57	m i ke	BGR
OrigID 11004007																	

Magnitude Err Nsta Author OrigID

mb	5.9		BGR	11004007
MBB	6.2		BGR	11004007
Ms	4.7		BGR	11004007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	34.29		S	02:51:42.537		111.5		13.82		TAS				m_e	
ASSE	34.29		P	02:46:15.150	-0.2	109.0		8.84		TAS		102.6	1.04	a_e	MBB 6.1
BFO	34.68		P	02:46:19.424	1.6	109.0		8.84		TAS		50.7	1.13	m_e	MBB 5.8
BFO	34.68		PcP	02:48:51.133		107.2		2.75		TAS				m_e	
BRG	31.94		P	02:45:54.100	-0.5	109.0		8.84		TAS		92.1	1.11	a_e	MBB 5.8
BRG	31.94		PcP	02:48:43.819	0.1	107.2		2.75		TAS				m_e	
BSEG	35.15		P	02:46:22.600	0.3	109.0		8.84		TAS		475.1	1.32	a_e	MBB 6.4
BSEG	35.15		PcP	02:48:52.077		107.2		2.75		TAS				m_e	
BUG	36.09		P	02:46:31.150	-0.3	109.0		8.84		TAS		90.7	1.14	a_e	MBB 5.8
BUG	36.09		PcP	02:48:55.144		107.2		2.75		TAS				m_e	
CLL	32.65		P	02:46:00.450	-0.4	109.0		8.84		TAS		164.3	1.02	a_e	MBB 6.0
CLL	32.65		PcP	02:48:45.471	-0.3	107.2		2.75		TAS				m_e	
FLT1	34.04		S	02:51:38.018		111.5		13.82		TAS				m_e	
FLT1	34.04		P	02:46:12.800	-0.3	109.0		8.84		TAS		635.7	1.36	a_e	MBB 6.5
FUR	32.73		P	02:46:01.300	0.5	109.0		8.84		TAS		579.0	0.91	a_e	MBB 6.6
GEC2	31.38		P	02:45:49.950	0.5	109.0		8.84		TAS		64.5	1.00	a_e	MBB 5.8

GEC2	31.38	PcP	02:48:42.168	0.0	107.2	2.75	TAS										m_e	
GOR1	34.24	P	02:46:15.000	0.4	109.0	8.84	TAS	690.0	1.20	a_e	MBB	6.7						
GRA1	33.19	P	02:46:05.650	0.1	109.0	8.84	TAS	306.9	1.04	a_e	MBB	6.3						
GRA1	33.19	L	03:01:56.329				T__	1393.7	20.00	a_e	Ms	4.7						
GTTG	34.52	P	02:46:17.350	-0.1	109.0	8.84	TAS	186.4	1.17	a_e	MBB	6.1						
HLG	36.57	P	02:46:34.750	-0.3	109.0	8.84	TAS	568.2	1.09	a_e	MBB	6.6						
IBBN	36.05	P	02:46:30.900	-0.1	109.0	8.84	TAS	485.5	1.16	a_e	MBB	6.5						
IBBN	36.05	PcP	02:48:54.436		107.2	2.75	TAS											m_e
KAST	35.34	P	02:46:24.850	0.1	109.0	8.84	TAS	429.6	1.66	m_e	MBB	6.2						
KAST	35.34	PcP	02:48:53.493		107.2	2.75	TAS											m_e
MOX	33.24	S	02:51:28.315		111.5	13.82	TAS											m_e
MOX	33.24	P	02:46:05.700	-0.5	109.0	8.84	TAS	67.3	1.12	a_e	MBB	5.7						
MOX	33.24	PcP	02:48:46.886	0.2	107.2	2.75	TAS											m_e
MOX	33.24	L	03:02:14.479				T__	1562.6	20.00	a_e	Ms	4.7						
NEUB	33.33	P	02:46:06.350	-0.6	109.0	8.84	TAS	131.5	0.87	a_e	MBB	6.0						
NEUB	33.33	PcP	02:48:47.122	-0.5	107.2	2.75	TAS											m_e
PLN	32.86	S	02:51:21.257		111.5	13.82	TAS											m_e
PLN	32.86	P	02:46:02.400	-0.4	109.0	8.84	TAS	11.8	1.08	a_e	MBB	5.2						
PLN	32.86	PcP	02:48:46.179	0.0	107.2	2.75	TAS											m_e
RETH	35.26	P	02:46:24.150	0.3	109.0	8.84	TAS	633.4	1.48	a_e	MBB	6.5						
RETH	35.26	PcP	02:48:52.785		107.2	2.75	TAS											m_e
RGN	33.79	P	02:46:10.750	1.4	109.0	8.84	TAS	1296.9	0.76	a_e	MBB	7.1						
RUE	32.66	P	02:46:00.450	-0.1	109.0	8.84	TAS	492.2	0.98	a_e	MBB	6.5						
STU	34.22	P	02:46:13.400	-0.8	109.0	8.84	TAS	256.0	1.23	a_e	MBB	6.2						
TANN	32.66	P	02:46:00.750	-0.3	109.0	8.84	TAS	38.7	1.07	a_e	MBB	5.7						
TANN	32.66	PcP	02:48:45.707	-0.0	107.2	2.75	TAS											m_e
TNS	35.05	P	02:46:21.850	-0.2	109.0	8.84	TAS	393.3	1.28	a_e	MBB	6.3						
UBR	33.37	S	02:51:24.786		111.5	13.82	TAS											m_e
UBR	33.37	P	02:46:06.750	0.7	109.0	8.84	TAS	360.1	0.96	a_e	MBB	6.4						
WET	31.99	P	02:45:54.550	-0.3	109.0	8.84	TAS	154.7	0.94	a_e	MBB	6.0						
WLF	36.36	P	02:46:32.872	-0.4	109.0	8.84	TAS	174.8	0.97	m_e	MBB	6.1						

Event 11004003 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/04	03:24:14.85			30.5020	96.5920				33.0					64.54	64.54	m i ke	BGR
11004009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11004009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	64.54		P	03:34:48.081		78.0		5.69		TAS		7.7	1.21	m_e mb	4.8

Event 11004004 South Sandwich Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/04	03:54:07.00			-60.4000	-27.6000				10.0				21	112.03	117.97	m i ke	NEIC
OrigID 11004043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.2		BGR	11004010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	116.34		PKPdf	04:12:49.433	-0.0	199.9		1.82		TAS					m_e
BFO	112.26		PKPdf	04:12:41.615		199.9		1.82		TAS					m_e
BRG	115.89		PKPdf	04:12:48.271	0.2	199.9		1.82		TAS					m_e
BSEG	117.97		PKPdf	04:12:52.532	0.5	199.9		1.82		TAS					m_e
BUG	115.00		PKPdf	04:12:47.419	0.1	199.9		1.82		TAS					m_e
CLL	116.08		PKPdf	04:12:48.736	-0.0	199.9		1.82		TAS					m_e
FLT1	116.65		PKPdf	04:12:49.588	-0.1	199.9		1.82		TAS					m_e
FUR	112.74		PKPdf	04:12:42.894		199.9		1.82		TAS					m_e
GEC2	113.94		PKPdf	04:12:44.543		199.9		1.82		TAS					m_e
GOR1	117.28		PKPdf	04:12:51.354	-0.4	199.9		1.82		TAS					m_e
GRA1	114.17		L	04:55:44.850						T__		6458.5	21.60	a_e Ms	6.2
GTTG	115.64		PKPdf	04:12:48.349	0.2	199.9		1.82		TAS					m_e
IBBN	115.92		PKPdf	04:12:48.774	0.0	199.9		1.82		TAS					m_e
KAST	115.00		PKPdf	04:12:47.497	0.1	199.9		1.82		TAS					m_e
MOX	115.15		PKPdf	04:12:47.265	0.3	199.9		1.82		TAS					m_e
MOX	115.15		L	04:56:33.775						T__		6647.6	20.50	a_e Ms	6.2
NEUB	115.70		PKPdf	04:12:48.349	-0.0	199.9		1.82		TAS					m_e
PLN	115.12		PKPdf	04:12:47.032	0.2	199.9		1.82		TAS					m_e
RETH	116.64		PKPdf	04:12:50.750	-0.5	199.9		1.82		TAS					m_e
TANN	115.12		PKPdf	04:12:47.187	-0.1	199.9		1.82		TAS					m_e
TNS	114.08		PKPdf	04:12:45.870	-0.6	199.9		1.82		TAS					m_e
UBR	112.03		PKPdf	04:12:41.600		199.9		1.82		TAS					m_e
WLF	113.09		PKPdf	04:12:44.244	0.2	199.9		1.82		TAS					m_e

Event 11004007 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/04	06:34:14.60			-29.9990	-177.5200				32.0				25	155.34	161.32	m i ke	NEIC
OrigID 11004046																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	11004013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	157.00		PKPab	06:54:35.383	-0.6	21.8		4.39		TAS					a_e

BFO	161.07	PKPab	06:54:53.083	0.5	21.8	4.39	TAS	a_e										
BRG	157.39	PKPab	06:54:37.133	0.1	21.8	4.39	TAS	a_e										
BSEG	155.34	PKPab	06:54:28.383	0.1	21.8	4.39	TAS	a_e										
BUG	158.20	PKPab	06:54:40.333	-0.2	21.8	4.39	TAS	a_e										
CLL	157.25	PKPab	06:54:36.233	-0.1	21.8	4.39	TAS	a_e										
FLT1	156.70	PKPab	06:54:33.683	0.2	21.8	4.39	TAS	a_e										
FUR	160.57	PKPab	06:54:51.433		21.8	4.39	TAS	a_e										
GEC2	159.26	PKPab	06:54:45.483	-0.1	21.8	4.39	TAS	a_e										
GOR1	156.06	PKPab	06:54:31.683	0.1	21.8	4.39	TAS	a_e										
GRA1	159.18	PKPab	06:54:45.433	-0.5	21.8	4.39	TAS	a_e										
GRA1	159.18	L	08:16:23.110				T__		984.6	19.70	a_e	Ms					5.7	
GTTG	157.69	PKPab	06:54:38.533	-0.3	21.8	4.39	TAS	a_e										
IBBN	157.29	PKPab	06:54:36.783	0.1	21.8	4.39	TAS	a_e										
KAST	158.28	PKPab	06:54:40.883	-0.3	21.8	4.39	TAS	m_e										
MOX	158.19	PKPab	06:54:40.583	0.0	21.8	4.39	TAS	a_e										
MOX	158.19	L	08:09:01.969				T__		818.1	21.80	a_e	Ms					5.5	
NEUB	157.65	PKPab	06:54:38.083	-0.0	21.8	4.39	TAS	a_e										
PLN	158.21	PKPab	06:54:40.833	-0.1	21.8	4.39	TAS	a_e										
RETH	156.65	PKPab	06:54:33.933	-0.1	21.8	4.39	TAS	a_e										
RUE	155.98	PKPab	06:54:31.133	-0.3	21.8	4.39	TAS	a_e										
STU	160.49	PKPab	06:54:50.533	0.2	21.8	4.39	TAS	a_e										
TANN	158.20	PKPab	06:54:40.783	0.1	21.8	4.39	TAS	a_e										
TNS	159.22	PKPab	06:54:45.083	0.5	21.8	4.39	TAS	a_e										
UBR	161.32	PKPab	06:54:54.880		21.8	4.39	TAS	m_e										
WET	159.24	PKPab	06:54:45.733	-0.1	21.8	4.39	TAS	a_e										
WLF	160.08	PKPab	06:54:49.383	0.1	21.8	4.39	TAS	a_e										

Event 11004010 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/04	18:32:03.30			-23.6100	179.4000				537.0					152.29	152.29	m i ke	EMSC
	11004042																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.29		PKP	18:50:59.152		23.9		1.60		TAS					m_e
GRA1	152.29		pPKP	18:53:03.287						T__					m_e

Event 11005001 Tajikistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/05	00:20:10.50			36.5700	72.2900				33.0					45.23	45.23	m i ke	NEIC

11005040

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	11005007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	45.23		P	00:28:12.431		83.5		6.68		TAS		4.9	0.83	m_e	mb	4.5

Event 11005002 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/05	02:38:20.40			30.3700	94.7500				30.0					63.49	63.49	m i ke	EMSC
OrigID 11005034																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	11005008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	63.49		P	02:48:48.500		73.6		6.12		TAS		4.9	1.12	m_e	mb	4.6

Event 11005004 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/05	17:30:26.39			25.0400	126.1280				33.0					85.81	85.81	m i ke	BGR
OrigID 11005010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11005010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	85.81		P	17:43:02.084		63.2		5.11		TAS		38.5	1.37	m_e	mb	5.3

Event 11005005 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/05	17:46:02.14			39.7350	141.5110				33.0				23	77.48	82.89	m i ke	BGR
OrigID 11005011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11005011

Ms 5.4 BGR 11005011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.92		P	17:58:01.104	-0.2	36.5		5.36		TAS		38.6	0.95	a_e mb	5.4
BFO	82.89		P	17:58:21.591		36.5		5.36		TAS		62.1	0.74	m_e mb	5.9
BRG	78.67		P	17:57:59.954	-0.4	36.5		5.36		TAS		58.2	0.82	m_e mb	5.7
BSEG	77.59		P	17:57:53.954	0.1	36.5		5.36		TAS		95.7	0.77	a_e mb	6.0
BUG	80.70		P	17:58:10.404	-0.1	36.5		5.36		TAS		19.0	0.89	a_e mb	5.1
CLL	78.70		P	17:57:59.704	0.1	36.5		5.36		TAS		107.6	0.74	a_e mb	6.0
FLT1	78.55		P	17:57:58.704	0.2	36.5		5.36		TAS		112.4	0.71	a_e mb	6.0
FUR	81.88		P	17:58:17.454		36.5		5.36		TAS		217.3	0.87	a_e mb	6.3
GEC2	80.37		P	17:58:08.807	0.4	36.5		5.36		TAS		40.3	0.77	m_e mb	5.4
GOR1	77.99		P	17:57:56.554	-0.0	36.5		5.36		TAS		53.5	0.93	a_e mb	5.7
GRA1	80.67		P	17:58:11.073	-0.9	36.5		5.36		TAS		178.1	0.74	m_e mb	6.2
GRA1	80.67		L	18:35:51.103						T__		1418.6	21.50	a_e Ms	5.3
GTTG	79.65		P	17:58:05.254	-0.3	36.5		5.36		TAS		70.5	0.98	a_e mb	5.6
IBBN	79.81		P	17:58:05.804	-0.1	36.5		5.36		TAS		100.1	0.78	a_e mb	5.8
MOX	79.76		P	17:58:05.804	-0.1	36.5		5.36		TAS		39.4	0.76	a_e mb	5.4
MOX	79.76		L	18:25:10.553						T__		2594.5	18.70	a_e Ms	5.6
NEUB	79.26		P	17:58:02.954	0.0	36.5		5.36		TAS		108.1	0.72	a_e mb	6.0
PLN	79.68		P	17:58:05.234	1.1	36.5		5.36		TAS		9.9	0.73	m_e mb	4.8
RETH	78.89		P	17:58:01.054	-0.1	36.5		5.36		TAS		46.7	0.81	a_e mb	5.6
RUE	77.48		P	17:57:53.454	-0.5	36.5		5.36		TAS		69.2	0.78	a_e mb	5.8
STU	82.20		P	17:58:17.854		36.5		5.36		TAS		370.5	0.78	a_e mb	6.6
TANN	79.62		P	17:58:04.519	0.5	36.5		5.36		TAS		16.0	0.78	m_e mb	5.0
TNS	81.28		P	17:58:13.791	0.7	36.5		5.36		TAS		39.2	0.77	m_e mb	5.5
UBR	82.74		P	17:58:21.398	1.4	36.5		5.36		TAS		31.6	0.83	m_e mb	5.6
WET	80.46		P	17:58:10.154	-0.9	36.5		5.36		TAS		53.4	0.89	a_e mb	5.6
WLF	82.57		P	17:58:21.874	-0.1	36.5		5.36		TAS		26.3	0.77	m_e mb	5.5

Event 11005006 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/05	18:03:51.51			25.7340	123.5020				33.0					83.84	83.84	m i ke	BGR
OrigID 11005012																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 11005012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.84		P	18:16:17.285		62.5		4.85		TAS		23.6	1.44	m_e mb	5.2

Event 11006003 Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/06	08:12:56.18			32.1690	132.3470				45.4	2.0		26		78.91	85.48	m i ke	BGR
11006009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	11006009
Ms	5.5		BGR	11006009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.71		P	08:25:10.326	-0.1	46.9		5.17		TAS		14.5	1.04	a_e	mb 5.0
BFO	85.44		P	08:25:29.126	0.1	46.9		5.17		TAS		30.4	0.95	a_e	mb 5.4
BFO	85.44		pP	08:25:41.993	43.8					T__				m_e	
BRG	81.04		P	08:25:06.676	-0.1	46.9		5.17		TAS		11.9	0.87	a_e	mb 4.9
BSEG	80.63		P	08:25:04.626	0.0	46.9		5.17		TAS		28.8	1.01	a_e	mb 5.2
BSEG	80.63		pP	08:25:17.965	43.8					T__				m_e	
BUG	83.70		P	08:25:20.326	0.2	46.9		5.17		TAS		7.5	0.67	a_e	mb 5.0
BUG	83.70		pP	08:25:34.067	43.8					T__				m_e	
CLL	81.20		P	08:25:07.226	-0.4	46.9		5.17		TAS		39.0	0.78	a_e	mb 5.5
FLT1	81.32		P	08:25:07.776	-0.5	46.9		5.17		TAS		30.5	0.87	a_e	mb 5.3
FLT1	81.32		pP	08:25:20.822	43.8					T__				m_e	
FUR	84.15		P	08:25:23.126	-0.3	46.9		5.17		TAS		55.8	0.73	a_e	mb 5.9
GEC2	82.50		P	08:25:14.176	0.4	46.9		5.17		TAS		8.3	0.83	a_e	mb 5.0
GOR1	80.84		P	08:25:06.126	0.4	46.9		5.17		TAS		64.0	1.27	a_e	mb 5.5
GOR1	80.84		pP	08:25:19.097	43.8					T__				m_e	
GRA1	83.13		P	08:25:18.176	0.2	46.9		5.17		TAS		216.1	1.46	m_e	mb 6.2
GRA1	83.13		L	09:06:39.161						T__		1653.2	20.20	a_e	Ms 5.4
GTTG	82.43		P	08:25:14.276	-0.2	46.9		5.17		TAS		32.0	0.79	a_e	mb 5.6
IBBN	82.87		P	08:25:16.176	0.6	46.9		5.17		TAS		52.1	0.85	a_e	mb 5.8
KAST	83.37		P	08:25:19.026	-0.2	46.9		5.17		TAS		22.1	0.99	a_e	mb 5.3
MOX	82.29		P	08:25:13.576	0.3	46.9		5.17		TAS		22.0	1.15	a_e	mb 5.2
MOX	82.29		L	09:05:50.334						T__		2151.7	19.70	a_e	Ms 5.5
NEUB	81.85		P	08:25:10.926	0.1	46.9		5.17		TAS		52.0	0.88	a_e	mb 5.7
PLN	82.15		P	08:25:12.726	0.3	46.9		5.17		TAS		66.5	2.67	a_e	mb 5.3
RETH	81.87		P	08:25:11.176	0.1	46.9		5.17		TAS		27.8	1.03	a_e	mb 5.3
RETH	81.87		pP	08:25:24.182	43.8					T__				m_e	
RGN	78.91		P	08:24:55.376	-0.4	46.9		5.17		TAS		780.3	1.98	a_e	mb 6.4
RUE	80.07		P	08:25:01.726	-0.0	46.9		5.17		TAS		99.9	1.32	a_e	mb 5.6
STU	84.73		P	08:25:25.576	-0.3	46.9		5.17		TAS		106.3	0.85	a_e	mb 6.1
STU	84.73		pP	08:25:38.734	43.8					T__				m_e	
TANN	82.05		P	08:25:12.126	0.2	46.9		5.17		TAS		34.8	1.41	a_e	mb 5.3
TNS	84.05		P	08:25:22.526	0.2	46.9		5.17		TAS		31.5	0.73	a_e	mb 5.6
UBR	85.05		P	08:25:27.226	-0.5	46.9		5.17		TAS		57.9	1.30	a_e	mb 5.7
WET	82.70		P	08:25:15.826	-0.0	46.9		5.17		TAS		49.0	1.64	a_e	mb 5.5
WLF	85.48		P	08:25:29.876		46.9		5.17		TAS		52.9	0.80	a_e	mb 5.7

Event 11006005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/06	13:06:06.27			48.5190	153.6480				33.0					76.83	76.83	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	11006011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.83		P	13:17:53.963		27.1		5.16		TAS		7.2	0.81	m_e mb	4.8

Event 11006006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/06	15:54:21.00			-15.4300	-173.3500				42.0					144.55	145.53	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	11006012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.53		PKP	16:13:54.755		7.8		3.08		TAS				m_e	
GRA1	145.53		L	17:12:53.619						T__		268.4	21.80	a_e Ms	5.0
MOX	144.55		L	17:21:14.571						T__		239.3	20.90	a_e Ms	4.9

Event 11006007 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/06	19:57:27.82	1.06	0.73	43.0780	17.3260	17.8	8.9	176	10.0				28 289	3.96	8.51	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.6		BGR	11006013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.36		Pn	19:58:31.798	-0.8					T__				m_e ML	4.5
BE1	6.46		Pn	19:59:00.827	0.0					T__				m_e	
BERGE	8.01		Pn	19:59:21.432	-0.3					T__				m_e	
BFO	8.19		Pn	19:59:23.488	-0.7					T__				m_e	
BUD	4.56		Pn	19:58:36.072	0.8					T__				m_e	
DAVA	6.73		Pn	19:59:05.660	1.1					T__				m_e	
EMING	7.66		Pn	19:59:16.957	0.0					T__				m_e	

FETA	6.11	Pn	19:58:56.528	0.4	T__	m_e		
FUR	6.62	Pn	19:59:02.939	-0.0	T__	m_e		
GEC2	6.29	Pn	19:58:58.288	-0.3	T__	m_e		
GRA1	7.84	Pn	19:59:18.366	-1.1	T__	m_e		
KBA	4.89	Pn	19:58:40.141	0.4	T__	m_e	ML	4.8
MANZ	7.78	Pn	19:59:18.186	-0.5	T__	m_e		
METMA	7.88	Pn	19:59:19.796	-0.2	T__	m_e		
MOTA	6.12	Pn	19:58:57.289	1.0	T__	m_e		
MOX	8.51	Pn	19:59:28.290	-0.2	T__	m_e		
NORI	7.32	Pn	19:59:11.570	-0.9	T__	m_e		
OBKA	3.96	Pn	19:58:27.513	0.4	T__	m_e		
PART	6.22	Sn	20:00:03.464	0.6	T__	m_e		
PART	6.22	Pn	19:58:58.104	0.5	T__	m_e		
PSZ	5.16	Pn	19:58:44.996	1.6	T__	m_e	ML	4.5
RETA	6.39	Sn	20:00:07.345	0.5	T__	m_e		
RETA	6.39	Pn	19:59:00.274	0.4	T__	m_e		
ROTZ	7.56	Pn	19:59:14.270	-1.4	T__	m_e		
SOP	4.63	Pn	19:58:34.974	-1.3	T__	m_e		
STU	8.03	Pn	19:59:21.294	-0.7	T__	m_e		
UBR	6.85	Pn	19:59:06.451	0.3	T__	m_e		
WALHA	7.42	Pn	19:59:13.532	-0.3	T__	m_e		
WET	6.80	Pn	19:59:05.038	-0.4	T__	m_e		
ZUGS	6.23	Pn	19:58:58.689	0.9	T__	m_e		

Event 11006008 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/06	22:01:11.44			29.7600	67.5900				33.0			26		44.81	49.78	m i ke	BGR
11006014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11006014
MBB	6.5		BGR	11006014
Ms	5.5		BGR	11006014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	47.02		S	22:16:27.163		93.2		13.91		TAS				m_e	
ASSE	47.02		P	22:09:39.973	-0.2	94.8		7.84		TAS		146.8	1.85	a_e	MBB 6.5
ASSE	47.02		PP	22:11:29.131		92.9		9.76		TAS				m_e	
BFO	48.35		S	22:16:47.920		93.2		13.91		TAS				m_e	
BFO	48.35		P	22:09:49.625	-0.5	94.8		7.84		TAS		76.7	1.34	m_e	MBB 6.3
BFO	48.35		PP	22:11:44.230		92.9		9.76		TAS				m_e	
BRG	44.86		S	22:16:02.923	2.1	93.2		13.91		TAS				m_e	
BRG	44.86		P	22:09:23.573	0.3	94.8		7.84		TAS		66.8	1.00	m_e	MBB 6.4
BSEG	47.43		S	22:16:33.840		93.2		13.91		TAS				m_e	
BSEG	47.43		P	22:09:43.173	0.3	94.8		7.84		TAS		87.4	0.90	a_e	MBB 6.7

BUG	49.09	S	22:17:01.186		93.2	13.91	TAS			m_e		
BUG	49.09	P	22:09:56.173	0.4	94.8	7.84	TAS	21.7	1.16	a_e	MBB	5.9
BUG	49.09	PP	22:11:51.779		92.9	9.76	TAS			m_e		
CLL	45.50	S	22:16:11.487	-1.9	93.2	13.91	TAS			m_e		
CLL	45.50	P	22:09:28.023	-0.2	94.8	7.84	TAS	61.3	1.33	a_e	MBB	6.4
FLT1	46.70	S	22:16:23.970		93.2	13.91	TAS			m_e		
FLT1	46.70	P	22:09:37.023	-0.6	94.8	7.84	TAS	64.4	0.91	a_e	MBB	6.6
FUR	46.38	S	22:16:21.502		93.2	13.91	TAS			m_e		
FUR	46.38	P	22:09:34.797	0.2	94.8	7.84	TAS	82.2	1.10	m_e	MBB	6.5
GEC2	44.81	S	22:16:01.472	1.2	93.2	13.91	TAS			m_e		
GEC2	44.81	P	22:09:22.673	0.1	94.8	7.84	TAS	192.1	1.89	a_e	MBB	6.3
GEC2	44.81	PP	22:11:09.633	-0.2	92.9	9.76	TAS			m_e		
GOR1	46.73	P	22:09:37.723	0.0	94.8	7.84	TAS	170.2	1.47	a_e	MBB	6.7
GOR1	46.73	PP	22:11:25.839		92.9	9.76	TAS			m_e		
GRA1	46.49	S	22:16:25.567		93.2	13.91	TAS			m_e		
GRA1	46.49	P	22:09:36.573	0.7	94.8	7.84	TAS	116.8	1.19	a_e	MBB	6.7
GRA1	46.49	L	22:32:54.319				T__	4571.8	18.50	a_e	Ms	5.5
GTTG	47.41	S	22:16:33.405		93.2	13.91	TAS			m_e		
GTTG	47.41	P	22:09:43.373	0.1	94.8	7.84	TAS	103.7	1.50	a_e	MBB	6.6
GTTG	47.41	PP	22:11:34.164		92.9	9.76	TAS			m_e		
IBBN	48.82	S	22:16:56.105		93.2	13.91	TAS			m_e		
IBBN	48.82	P	22:09:54.023	-0.3	94.8	7.84	TAS	75.9	1.08	a_e	MBB	6.5
IBBN	48.82	PP	22:11:49.262		92.9	9.76	TAS			m_e		
KAST	48.36	S	22:16:51.461		93.2	13.91	TAS			m_e		
KAST	48.36	P	22:09:50.723	-0.0	94.8	7.84	TAS	42.0	1.37	a_e	MBB	6.3
KAST	48.36	PP	22:11:44.230		92.9	9.76	TAS			m_e		
MOX	46.30	S	22:16:20.051		93.2	13.91	TAS			m_e		
MOX	46.30	P	22:09:35.023	0.4	94.8	7.84	TAS	153.7	1.44	a_e	MBB	6.6
MOX	46.30	L	22:33:33.042				T__	6723.4	18.60	a_e	Ms	5.6
NEUB	46.25	S	22:16:19.180		93.2	13.91	TAS			m_e		
NEUB	46.25	P	22:09:34.273	0.1	94.8	7.84	TAS	98.3	1.00	a_e	MBB	6.6
PLN	45.95	S	22:16:15.987	2.4	93.2	13.91	TAS			m_e		
PLN	45.95	P	22:09:32.073	0.3	94.8	7.84	TAS	29.9	1.35	a_e	MBB	6.1
RETH	47.88	P	22:09:46.723	-0.1	94.8	7.84	TAS	121.2	1.67	a_e	MBB	6.4
RETH	47.88	PP	22:11:38.702		92.9	9.76	TAS			m_e		
RGN	45.77	P	22:09:29.873	0.3	94.8	7.84	TAS	187.3	1.25	a_e	MBB	6.7
RUE	45.17	P	22:09:25.023	-0.5	94.8	7.84	TAS	74.4	0.85	a_e	MBB	6.5
RUE	45.17	PP	22:11:14.006	-0.3	92.9	9.76	TAS			m_e		
STU	47.78	S	22:16:39.646		93.2	13.91	TAS			m_e		
STU	47.78	P	22:09:45.673	-0.1	94.8	7.84	TAS	194.3	0.86	a_e	MBB	6.9
TANN	45.75	S	22:16:11.632	-1.9	93.2	13.91	TAS			m_e		
TANN	45.75	P	22:09:30.423	0.2	94.8	7.84	TAS	71.0	1.40	a_e	MBB	6.4
TANN	45.75	PP	22:11:19.665	-1.6	92.9	9.76	TAS			m_e		
TNS	48.30	S	22:16:49.081		93.2	13.91	TAS			m_e		
TNS	48.30	P	22:09:50.523	0.3	94.8	7.84	TAS	56.8	1.30	a_e	MBB	6.5
UBR	47.15	S	22:16:30.647		93.2	13.91	TAS			m_e		
UBR	47.15	P	22:09:40.523	0.1	94.8	7.84	TAS	83.5	0.98	a_e	MBB	6.5
WET	45.37	S	22:16:09.600	1.9	93.2	13.91	TAS			m_e		
WET	45.37	P	22:09:26.115	-0.9	94.8	7.84	TAS	304.3	2.91	m_e	MBB	6.3

./bul2110.txt Wed Jan 11 09:16:11 2023 21

STU	85.06	PP	13:57:10.429		40.5	8.61	TAS										m_e	
TANN	82.45	P	13:53:41.471	0.1	39.2	5.14	TAS	311.8	1.65	a_e	MBB	6.5						
TNS	84.21	P	13:53:50.521	0.1	39.2	5.14	TAS	291.7	1.25	a_e	MBB	6.6						
TNS	84.21	PP	13:57:05.353		40.5	8.61	TAS										m_e	
UBR	85.55	P	13:53:56.771	-0.5	39.2	5.14	TAS	86.8	1.05	a_e	MBB	6.5						
WET	83.25	P	13:53:45.871	0.4	39.2	5.14	TAS	270.4	1.28	a_e	MBB	6.6						
WET	83.25	PP	13:56:57.294		40.5	8.61	TAS										m_e	
WLF	85.53	P	13:53:57.421	0.2	39.2	5.14	TAS	440.5	1.30	a_e	MBB	6.6						

Event 11007003 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/07	18:14:53.25			14.0800	120.7830				144.8					91.53	91.53	m i ke	BGR
OrigID 11007009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11007009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	91.53		P	18:27:42.745		69.8		4.37		TAS		8.7	1.00	m_e	mb	5.0
GRA1	91.53		pP	18:28:19.502						T__				m_e		

Event 11007004 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/07	18:27:52.64			21.6800	94.6430				33.0				6	67.59	72.81	m i ke	BGR
OrigID 11007010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11007010
Ms	4.6		BGR	11007010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	69.52		P	18:38:56.862	0.1	80.3		6.18		TAS		7.9	0.89	a_e	mb	4.8
BFO	71.71		P	18:39:10.212	0.2	80.3		6.18		TAS		11.4	1.09	a_e	mb	4.9
BRG	67.68		P	18:38:45.762	0.0	80.3		6.18		TAS		10.9	0.61	a_e	mb	5.2
BRG	67.68		PP	18:41:15.317	-0.6	77.2		9.28		TAS				m_e		
BSEG	69.45		P	18:38:56.862	0.1	80.3		6.18		TAS		24.7	0.85	a_e	mb	5.5
BUG	71.72		P	18:39:10.562	-0.5	80.3		6.18		TAS		4.2	0.88	a_e	mb	4.6
CLL	68.21		P	18:38:48.612	0.0	80.3		6.18		TAS		24.2	1.36	a_e	mb	5.2
CLL	68.21		PP	18:41:20.574	-0.2	77.2		9.28		TAS				m_e		
FLT1	69.15		P	18:38:54.112	-0.2	80.3		6.18		TAS		11.7	1.09	m_e	mb	5.0
FUR	69.82		P	18:38:59.212	-0.1	80.3		6.18		TAS		13.2	0.81	a_e	mb	5.1

GEC2	68.12	P	18:38:48.612	0.1	80.3	6.18	TAS	11.3	0.68	a_e	mb	5.2
GOR1	69.01	P	18:38:53.962	0.1	80.3	6.18	TAS	19.3	0.99	a_e	mb	5.3
GRA1	69.59	P	18:38:58.162	0.2	80.3	6.18	TAS	9.1	0.68	a_e	mb	5.0
GRA1	69.59	PP	18:41:33.339		77.2	9.28	TAS			m_e		
GRA1	69.59	L	19:13:30.282				T__	340.7	21.00	a_e	Ms	4.6
GTTG	70.05	P	18:39:00.462	-0.2	80.3	6.18	TAS	11.7	0.88	a_e	mb	5.0
IBBN	71.25	P	18:39:07.712	-0.7	80.3	6.18	TAS	11.2	0.79	a_e	mb	5.0
IBBN	71.25	PP	18:41:47.347		77.2	9.28	TAS			m_e		
KAST	71.07	P	18:39:06.712	-0.2	80.3	6.18	TAS	13.5	1.33	a_e	mb	4.9
MOX	69.18	P	18:38:55.062	0.0	80.3	6.18	TAS	22.9	1.25	a_e	mb	5.3
MOX	69.18	PP	18:41:30.587		77.2	9.28	TAS			m_e		
MOX	69.18	L	19:13:04.532				T__	350.2	21.50	a_e	Ms	4.6
NEUB	68.99	P	18:38:53.712	-0.1	80.3	6.18	TAS	19.1	0.91	a_e	mb	5.3
PLN	68.86	P	18:38:53.112	0.1	80.3	6.18	TAS	2.8	0.73	a_e	mb	4.6
PLN	68.86	PP	18:41:26.102		77.2	9.28	TAS			m_e		
RETH	70.21	P	18:39:01.412	-0.2	80.3	6.18	TAS	44.6	1.71	a_e	mb	5.3
RGN	67.62	P	18:38:45.262	0.2	80.3	6.18	TAS	20.6	0.68	a_e	mb	5.5
RUE	67.59	P	18:38:44.862	-0.0	80.3	6.18	TAS	30.6	0.56	a_e	mb	5.7
STU	71.06	P	18:39:06.762	-0.5	80.3	6.18	TAS	36.0	0.77	a_e	mb	5.6
TANN	68.68	P	18:38:52.062	-0.1	80.3	6.18	TAS	8.7	0.93	a_e	mb	5.0
TNS	71.24	P	18:39:07.762	0.3	80.3	6.18	TAS	12.7	0.90	a_e	mb	5.0
UBR	70.68	P	18:39:04.117		80.3	6.18	TAS	10.4	0.61	m_e	mb	5.1
UBR	70.68	PP	18:41:41.075		77.2	9.28	TAS			m_e		
WET	68.61	P	18:38:51.762	0.1	80.3	6.18	TAS	16.9	1.12	a_e	mb	5.2
WLF	72.81	P	18:39:17.862	0.6	80.3	6.18	TAS	59.0	1.20	a_e	mb	5.6

Event 11007006 Macquarie Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/07	20:13:01.80			-58.7800	158.4500				10.0			16		157.21	163.19	m i ke	NEIC
	11007045																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	160.71		PKPdf	20:32:57.677	0.7	132.5		1.05		TAS				m_e	
ASSE	160.71		PKPab	20:33:42.298	0.2	125.3		4.49		TAS				m_e	
ASSE	160.71		PP	20:37:21.928		126.2		5.73		TAS				m_e	
BFO	159.58		PKPdf	20:32:56.513	-0.1	132.5		1.05		TAS				m_e	
BFO	159.58		PKPab	20:33:37.764	-0.4	125.3		4.49		TAS				m_e	
BRG	158.31		PKPdf	20:32:54.885	-0.6	132.5		1.05		TAS				m_e	
BRG	158.31		PKPab	20:33:31.503	0.1	125.3		4.49		TAS				m_e	
BRG	158.31		PP	20:37:09.733	-0.2	126.2		5.73		TAS				m_e	
BSEG	161.81		PKPdf	20:32:58.142		132.5		1.05		TAS				m_e	
BSEG	161.81		PKPab	20:33:47.192	-0.3	125.3		4.49		TAS				m_e	
BSEG	161.81		PP	20:37:31.418		126.2		5.73		TAS				m_e	

BUG	162.07	PKPdf	20:32:59.305		132.5	1.05	TAS	m_e
BUG	162.07	PKPab	20:33:48.200	-0.1	125.3	4.49	TAS	m_e
BUG	162.07	PP	20:37:31.143		126.2	5.73	TAS	m_e
CLL	159.05	PKPdf	20:32:55.350	2.1	132.5	1.05	TAS	m_e
CLL	159.05	PKPab	20:33:35.102	0.4	125.3	4.49	TAS	m_e
CLL	159.05	PP	20:37:14.537	-3.1	126.2	5.73	TAS	m_e
FLT1	160.52	PKPdf	20:32:57.677	0.1	132.5	1.05	TAS	m_e
FLT1	160.52	PKPab	20:33:40.787	-0.6	125.3	4.49	TAS	m_e
FLT1	160.52	PP	20:37:19.197	0.1	126.2	5.73	TAS	m_e
FUR	158.00	PKPdf	20:32:55.117	0.3	132.5	1.05	TAS	m_e
FUR	158.00	PKPab	20:33:30.280	-0.1	125.3	4.49	TAS	m_e
GEC2	157.21	PKPdf	20:32:54.419	0.3	132.5	1.05	TAS	m_e
GEC2	157.21	PKPab	20:33:24.882	-1.5	125.3	4.49	TAS	m_e
GEC2	157.21	PP	20:37:03.622	0.6	126.2	5.73	TAS	m_e
GOR1	160.83	PKPdf	20:32:57.909	-1.2	132.5	1.05	TAS	m_e
GOR1	160.83	PKPab	20:33:43.018	0.1	125.3	4.49	TAS	m_e
GRA1	159.00	PKPab	20:33:35.462	0.9	125.3	4.49	TAS	m_e
GTTG	160.75	PKPdf	20:32:57.909	0.8	132.5	1.05	TAS	m_e
GTTG	160.75	PKPab	20:33:42.730	0.5	125.3	4.49	TAS	m_e
GTTG	160.75	PP	20:37:23.993		126.2	5.73	TAS	m_e
HLG	163.19	PKPab	20:33:53.586	0.1	125.3	4.49	TAS	m_e
IBBN	162.31	PKPdf	20:33:00.236		132.5	1.05	TAS	m_e
IBBN	162.31	PKPab	20:33:49.567	0.3	125.3	4.49	TAS	m_e
IBBN	162.31	PP	20:37:31.964		126.2	5.73	TAS	m_e
KAST	161.34	PKPdf	20:32:59.073	0.2	132.5	1.05	TAS	m_e
KAST	161.34	PKPab	20:33:45.177	0.2	125.3	4.49	TAS	m_e
KAST	161.34	PP	20:37:27.111		126.2	5.73	TAS	m_e
MOX	159.38	PKPdf	20:32:56.513	0.1	132.5	1.05	TAS	m_e
MOX	159.38	PKPab	20:33:36.829	0.7	125.3	4.49	TAS	m_e
MOX	159.38	PP	20:37:15.446	0.6	126.2	5.73	TAS	m_e
NEUB	159.62	PKPdf	20:32:56.513	-0.2	132.5	1.05	TAS	m_e
NEUB	159.62	PKPab	20:33:37.005	-0.2	125.3	4.49	TAS	m_e
NEUB	159.62	PP	20:37:18.132	1.1	126.2	5.73	TAS	m_e
PLN	159.01	PKPdf	20:32:55.117	-0.8	132.5	1.05	TAS	m_e
PLN	159.01	PKPab	20:33:35.174	0.8	125.3	4.49	TAS	m_e
PLN	159.01	PP	20:37:13.170	1.2	126.2	5.73	TAS	m_e
RETH	161.71	PKPdf	20:32:59.771		132.5	1.05	TAS	m_e
RETH	161.71	PKPab	20:33:46.904	0.3	125.3	4.49	TAS	m_e
RETH	161.71	PP	20:37:29.606		126.2	5.73	TAS	m_e
RGN	160.53	PKPab	20:33:41.618	-1.1	125.3	4.49	TAS	m_e
RUE	159.28	PKPdf	20:32:58.840	0.1	132.5	1.05	TAS	m_e
RUE	159.28	PKPab	20:33:35.893	-0.2	125.3	4.49	TAS	m_e
STU	159.44	PKPab	20:33:36.973	-0.1	125.3	4.49	TAS	m_e
TANN	158.81	PKPdf	20:32:55.117	-0.7	132.5	1.05	TAS	m_e
TANN	158.81	PKPab	20:33:34.094	0.6	125.3	4.49	TAS	m_e
TANN	158.81	PP	20:37:12.733	0.8	126.2	5.73	TAS	m_e
TNS	160.74	PKPab	20:33:42.946	0.4	125.3	4.49	TAS	m_e
UBR	158.26	PKPdf	20:32:55.583	0.5	132.5	1.05	TAS	m_e
UBR	158.26	PKPab	20:33:31.935	-0.1	125.3	4.49	TAS	m_e

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WET	157.82	PKPdf	20:32:54.652	-0.0	132.5	1.05	TAS	m_e
WET	157.82	PKPab	20:33:29.344	0.2	125.3	4.49	TAS	m_e
WET	157.82	PP	20:37:05.443	-1.1	126.2	5.73	TAS	m_e
WLF	161.54	PKPdf	20:32:57.499	0.8	132.5	1.05	TAS	m_e
WLF	161.54	PKPab	20:33:45.753	-1.1	125.3	4.49	TAS	m_e

Event 11009001 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/09	07:18:39.91			48.9910	149.9550				33.0			24		71.83	77.50	m i ke	BGR
OrigID 11009007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	11009007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.35		P	07:30:07.226	0.0	26.6		5.76		TAS		215.3	1.67	a_e mb	6.0
BFO	77.42		P	07:30:30.176	-0.5	26.6		5.76		TAS		109.2	1.17	a_e mb	5.9
BRG	73.52		P	07:30:08.026	-0.1	26.6		5.76		TAS		77.7	1.37	a_e mb	5.5
BSEG	71.83		P	07:29:58.426	0.1	26.6		5.76		TAS		91.2	1.26	a_e mb	5.8
BUG	74.88		P	07:30:15.776	-0.1	26.6		5.76		TAS		69.7	1.45	a_e mb	5.5
CLL	73.41		P	07:30:07.126	-0.5	26.6		5.76		TAS		82.6	0.82	a_e mb	5.8
FLT1	73.01		P	07:30:04.676	-0.6	26.6		5.76		TAS		108.6	1.13	a_e mb	5.9
GEC2	75.38		P	07:30:19.026	0.2	26.6		5.76		TAS		178.7	1.92	m_e mb	5.8
GOR1	72.40		P	07:30:02.026	0.3	26.6		5.76		TAS		270.4	1.45	a_e mb	6.2
GRA1	75.37		P	07:30:19.276	0.4	26.6		5.76		TAS		287.0	1.46	a_e mb	6.1
GTTG	74.06		P	07:30:11.476	0.2	26.6		5.76		TAS		154.1	1.48	a_e mb	5.8
IBBN	73.96		P	07:30:10.626	0.0	26.6		5.76		TAS		86.8	1.07	a_e mb	5.7
KAST	74.79		P	07:30:15.626	0.2	26.6		5.76		TAS		81.0	1.11	a_e mb	5.7
MOX	74.41		P	07:30:13.376	0.1	26.6		5.76		TAS		159.7	1.51	a_e mb	5.8
NEUB	73.87		P	07:30:09.926	-0.3	26.6		5.76		TAS		100.7	1.05	a_e mb	5.8
PLN	74.39		P	07:30:13.376	0.2	26.6		5.76		TAS		87.7	1.81	a_e mb	5.5
RETH	73.15		P	07:30:06.126	0.1	26.6		5.76		TAS		235.8	1.60	a_e mb	6.1
RUE	72.16		P	07:30:00.226	-0.1	26.6		5.76		TAS		174.0	1.22	a_e mb	6.1
STU	76.78		P	07:30:26.726	-0.3	26.6		5.76		TAS		187.7	1.07	a_e mb	6.1
TANN	74.36		P	07:30:13.226	0.2	26.6		5.76		TAS		136.7	1.67	a_e mb	5.7
TNS	75.67		P	07:30:20.626	0.1	26.6		5.76		TAS		66.3	0.94	a_e mb	5.8
UBR	77.50		P	07:30:30.926	-0.2	26.6		5.76		TAS		65.1	1.26	a_e mb	5.6
WET	75.37		P	07:30:19.376	0.6	26.6		5.76		TAS		209.4	1.56	a_e mb	5.9
WLF	76.79		P	07:30:27.276	0.3	26.6		5.76		TAS				a_e	

Event 11009002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2021/10/09 10:57:33.77 -21.8350 175.7390 33.0 27 144.68 151.68 m i ke BGR
 11009008

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.56		PKPbc	11:17:14.267	0.0	29.3		2.61		TAS				m_e	
BFO	151.64		PKPbc	11:17:24.086	-0.8	29.3		2.61		TAS				m_e	
BRG	147.65		PKPbc	11:17:14.572	0.2	29.3		2.61		TAS				m_e	
BSEG	146.02		PKPbc	11:17:10.119	-0.2	29.3		2.61		TAS				m_e	
BUG	149.04		PKPbc	11:17:18.372	0.0	29.3		2.61		TAS				a_e	
CLL	147.59		PKPbc	11:17:14.272	0.1	29.3		2.61		TAS				a_e	
FLT1	147.22		PKPbc	11:17:13.230	-0.1	29.3		2.61		TAS				m_e	
FUR	150.87		PKPbc	11:17:22.472	-0.3	29.3		2.61		TAS				a_e	
GEC2	149.43		PKPbc	11:17:19.085	-0.1	29.3		2.61		TAS				m_e	
GOR1	146.62		PKPbc	11:17:11.888	0.1	29.3		2.61		TAS				m_e	
GRA1	149.56		PKPbc	11:17:19.672	0.3	29.3		2.61		TAS				a_e	
GTTG	148.28		PKPbc	11:17:16.523	0.4	29.3		2.61		TAS				m_e	
HLG	146.34		PKPbc	11:17:11.278	-0.2	29.3		2.61		TAS				m_e	
IBBN	148.12		PKPbc	11:17:16.072	0.1	29.3		2.61		TAS				a_e	
KAST	148.99		PKPbc	11:17:18.372	0.3	29.3		2.61		TAS				a_e	
MOX	148.60		PKPbc	11:17:17.072	0.2	29.3		2.61		TAS				m_e	
NEUB	148.07		PKPbc	11:17:15.772	0.3	29.3		2.61		TAS				a_e	
PLN	148.57		PKPbc	11:17:17.072	0.3	29.3		2.61		TAS				a_e	
RETH	147.35		PKPbc	11:17:13.962	0.1	29.3		2.61		TAS				m_e	
RGN	144.68		PKPbc	11:17:05.789	-0.9	29.3		2.61		TAS				m_e	
RUE	146.34		PKPbc	11:17:10.922	-0.0	29.3		2.61		TAS				a_e	
STU	150.99		PKPbc	11:17:23.110	-0.0	29.3		2.61		TAS				m_e	
TANN	148.53		PKPbc	11:17:17.022	0.3	29.3		2.61		TAS				a_e	
TNS	149.88		PKPbc	11:17:20.572	0.2	29.3		2.61		TAS				a_e	
UBR	151.68		PKPbc	11:17:24.172	-0.7	29.3		2.61		TAS				a_e	
WET	149.48		PKPbc	11:17:19.268	0.1	29.3		2.61		TAS				m_e	
WLF	150.95		PKPbc	11:17:23.622	0.3	29.3		2.61		TAS				a_e	

Event 11010001 Central Peru

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/10/10 00:20:39.90 -11.7200 -71.6500 10.0 19 91.13 96.26 m i ke EMSC
 11010033

Magnitude Err Nsta Author OrigID
 mb 5.7 BGR 11010007
 Ms 5.2 BGR 11010007

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

ASSE	94.52	P	00:34:00.111	-0.3	257.0	4.70	TAS	50.9	1.36	a_e	mb	5.7
BFO	92.14	P	00:33:47.792	-0.5	257.0	4.70	TAS	15.4	1.26	m_e	mb	5.2
BRG	96.26	P	00:34:07.711		257.0	4.70	TAS	35.7	1.07	a_e	mb	5.8
BUG	92.31	P	00:33:49.111	-0.2	257.0	4.70	TAS	28.1	1.15	a_e	mb	5.5
CLL	95.76	P	00:34:05.311		257.0	4.70	TAS	24.1	1.05	a_e	mb	5.7
FLT1	94.91	P	00:34:01.281	-0.1	257.0	4.70	TAS	27.2	1.23	m_e	mb	5.5
FUR	94.01	P	00:33:57.011	0.1	257.0	4.70	TAS	49.5	1.02	a_e	mb	5.8
GEC2	95.73	P	00:34:05.063		257.0	4.70	TAS	20.1	1.00	m_e	mb	5.6
GRA1	94.31	P	00:33:58.711	0.1	257.0	4.70	TAS	44.5	1.33	a_e	mb	5.6
GRA1	94.31	L	01:12:10.245				T__	738.0	22.00	a_e	Ms	5.1
GTTG	93.96	P	00:33:57.111	-0.2	257.0	4.70	TAS	56.4	1.26	a_e	mb	5.8
MOX	94.77	P	00:34:00.639	-0.0	257.0	4.70	TAS	15.2	1.16	m_e	mb	5.3
MOX	94.77	L	01:12:48.095				T__	954.8	19.80	a_e	Ms	5.3
NEUB	94.98	P	00:34:01.861	0.3	257.0	4.70	TAS	30.5	1.04	a_e	mb	5.7
PLN	95.07	P	00:34:02.361	-0.1	257.0	4.70	TAS	14.0	1.41	a_e	mb	5.2
RETH	93.89	P	00:33:57.111	0.0	257.0	4.70	TAS	85.9	1.45	a_e	mb	5.9
STU	92.81	P	00:33:51.311	-0.1	257.0	4.70	TAS	57.7	0.98	a_e	mb	6.0
TANN	95.25	P	00:34:03.311		257.0	4.70	TAS	34.7	1.19	a_e	mb	5.7
UBR	93.13	P	00:33:53.311	-0.0	257.0	4.70	TAS	53.2	1.18	a_e	mb	5.8
WET	95.26	P	00:34:02.911		257.0	4.70	TAS	35.3	1.10	a_e	mb	5.7
WLF	91.13	P	00:33:43.861	0.2	257.0	4.70	TAS	82.3	1.06	a_e	mb	6.0

Event 11010002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/10	14:16:15.80			42.3500	143.0800				67.0			13		75.79	80.49	m i ke	EMSC
OrigID 11010034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11010008
Ms	4.1		BGR	11010008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	77.02		P	14:28:01.985	-0.1	34.2		5.63		TAS		4.9	0.76	m_e	mb	4.7
BSEG	75.79		P	14:27:55.431	0.3	34.2		5.63		TAS		14.2	0.73	m_e	mb	5.2
CLL	77.02		P	14:28:01.980	0.1	34.2		5.63		TAS		18.0	0.72	m_e	mb	5.3
FLT1	76.81		P	14:28:00.625	-0.1	34.2		5.63		TAS		20.1	0.71	m_e	mb	5.3
GEC2	78.76		P	14:28:11.933		34.2		5.63		TAS		4.6	0.95	m_e	mb	4.5
GRA1	78.99		P	14:28:13.934		34.2		5.63		TAS		20.2	0.76	m_e	mb	5.2
GRA1	78.99		L	15:04:23.181						T__		98.6	18.70	a_e	Ms	4.2
KAST	78.71		P	14:28:11.499	0.6	34.2		5.63		TAS		7.9	0.87	m_e	mb	4.8
MOX	78.06		P	14:28:07.850	-0.3	34.2		5.63		TAS		4.5	0.71	m_e	mb	4.7
MOX	78.06		L	15:04:06.022						T__		86.1	19.20	a_e	Ms	4.1
NEUB	77.55		P	14:28:05.133	0.4	34.2		5.63		TAS		20.8	0.82	m_e	mb	5.3
PLN	78.00		P	14:28:07.794		34.2		5.63		TAS		1.7	0.81	m_e	mb	4.2
RETH	77.11		P	14:28:02.753	0.2	34.2		5.63		TAS		12.6	1.09	m_e	mb	5.0

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STU	80.49	P	14:28:21.420	34.2	5.63	TAS	33.4	0.84	m_e	mb	5.4
WET	78.83	P	14:28:12.796	34.2	5.63	TAS	9.1	0.89	m_e	mb	4.8

Event 11010003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/10	15:42:39.28			-17.9940	-177.3940				33.0			10		143.55	149.67	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.29		PKPbc	16:02:25.040		15.4		2.84		TAS				m_e	
BRG	145.89		PKPbc	16:02:15.884		15.4		2.84		TAS				m_e	
BSEG	143.55		PKPbc	16:02:08.439	-0.6	15.4		2.84		TAS				m_e	
CLL	145.67		PKPbc	16:02:15.178	-0.3	15.4		2.84		TAS				m_e	
FLT1	144.98		PKPbc	16:02:12.898	0.3	15.4		2.84		TAS				m_e	
GEC2	147.85		PKPbc	16:02:21.303		15.4		2.84		TAS				m_e	
TANN	146.62		PKPbc	16:02:18.161		15.4		2.84		TAS				m_e	
TNS	147.42		PKPbc	16:02:20.406		15.4		2.84		TAS				m_e	
UBR	149.67		PKPbc	16:02:25.640		15.4		2.84		TAS				m_e	
WLF	148.18		PKPbc	16:02:23.131		15.4		2.84		TAS				m_e	

Event 11011001 Pyrenees

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/11	08:23:14.40			42.5200	1.4400				5.0			12		6.36	9.87	m i ke	EMSC

Magnitude Err Nsta Author OrigID
ML 4.4 BGR 11011007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	8.48		Sg	08:27:43.913	0.8					T__				m_e	
ECH	6.97		Sg	08:26:55.970	0.5					T__				m_e	
ECH	6.97		Pg	08:25:24.750	0.7					T__				m_e	ML 4.3
GRA1	9.87		Sg	08:28:29.582	0.8					T__				m_e	
GRFO	9.87		Sg	08:28:30.719						T__				m_e	
METMA	7.08		Sg	08:26:57.772	-2.8					T__				m_e	ML 4.0
RIVT	8.08		Sg	08:27:29.774	-0.1					T__				m_e	
RONF	6.36		Sg	08:26:35.936	-0.2					T__				m_e	
RONF	6.36		Pg	08:25:12.657	-3.2					T__				m_e	ML 4.4
TNS	9.09		Sg	08:28:03.578	1.4					T__				m_e	

WALHA	7.54	Sg	08:27:15.262	-0.8	T__	m_e	ML	4.6
WLF	7.85	Sg	08:27:20.511	-2.3	T__	m_e	ML	4.4
WLS	7.21	Sg	08:27:02.985	0.1	T__	m_e		
WLS	7.21	Pg	08:25:29.813	2.6	T__	m_e		

Event 11011002 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/11	09:10:24.85			56.7190	-157.3900				33.0			26		68.71	75.32	m i ke	BGR
11011008																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.9		BGR	11011008
MBB	7.3		BGR	11011008
Ms	6.2		BGR	11011008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.95	P		09:21:37.644	0.3	353.5		5.91		TAS		960.7	1.06	m_e	MBB 7.4
BFO	74.52	P		09:21:58.726	0.0	353.5		5.91		TAS		450.4	1.06	m_e	MBB 7.1
BRG	72.41	P		09:21:46.654	0.1	353.5		5.91		TAS		1342.3	1.03	m_e	MBB 7.4
BSEG	69.12	P		09:21:26.914	0.3	353.5		5.91		TAS		1626.2	1.02	m_e	MBB 7.6
BUG	71.34	P		09:21:39.997	-0.4	353.5		5.91		TAS		548.9	1.00	m_e	MBB 7.0
CLL	71.92	P		09:21:43.268	-0.1	353.5		5.91		TAS		930.4	1.02	m_e	MBB 7.3
FLT1	70.79	P		09:21:36.210	-0.3	353.5		5.91		TAS		835.7	0.86	m_e	MBB 7.3
FUR	74.93	P		09:22:01.532	-0.2	353.5		5.91		TAS		823.5	0.89	m_e	MBB 7.3
GEC2	74.41	P		09:21:58.418	0.0	353.5		5.91		TAS		603.0	0.95	m_e	MBB 7.1
GOR1	70.13	P		09:21:33.398	-0.0	353.5		5.91		TAS		829.8	1.01	m_e	MBB 7.6
GRA1	73.41	P		09:21:52.710	-0.0	353.5		5.91		TAS		754.0	0.99	m_e	mb 6.7
GRA1	73.41	L		09:55:22.543						T__		14263.6	22.00	a_e	Ms 6.2
GTTG	71.47	P		09:21:41.374	-0.2	353.5		5.91		TAS		1724.0	0.97	m_e	MBB 7.5
IBBN	70.53	P		09:21:35.521	-0.8	353.5		5.91		TAS		1555.3	1.02	m_e	MBB 7.5
KAST	71.68	P		09:21:42.120	0.1	353.5		5.91		TAS		757.8	0.95	m_e	MBB 7.3
MOX	72.49	P		09:21:47.113	-0.0	353.5		5.91		TAS		1132.3	0.94	m_e	MBB 7.4
MOX	72.49	L		09:59:27.443						T__		14165.1	20.90	a_e	Ms 6.2
NEUB	71.95	P		09:21:43.957	0.1	353.5		5.91		TAS		1645.1	1.01	m_e	MBB 7.5
PLN	72.68	P		09:21:48.166	0.2	353.5		5.91		TAS		299.3	1.04	m_e	MBB 6.8
RETH	70.24	P		09:21:33.742	0.2	353.5		5.91		TAS		1140.8	1.16	m_e	MBB 7.4
RGN	68.71	P		09:21:24.942	0.3	353.5		5.91		TAS		3468.9	0.98	m_e	MBB 7.8
RUE	70.80	P		09:21:37.243	0.1	353.5		5.91		TAS		3752.2	1.04	m_e	MBB 7.7
STU	74.16	P		09:21:56.941	-0.3	353.5		5.91		TAS				m_e	
TANN	72.77	P		09:21:48.922	0.2	353.5		5.91		TAS		806.4	1.26	m_e	MBB 7.3
TNS	72.65	P		09:21:48.211	0.4	353.5		5.91		TAS		841.9	1.01	m_e	MBB 7.3
UBR	75.32	P		09:22:03.582		353.5		5.91		TAS		445.6	0.92	m_e	MBB 7.1
WET	74.06	P		09:21:56.352	0.0	353.5		5.91		TAS		715.8	1.13	m_e	MBB 7.2
WLF	72.98	P		09:21:50.241	0.2	353.5		5.91		TAS		778.2	1.08	m_e	MBB 7.3

Event 11011006 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/11	18:25:52.87			52.0300	-175.6270				33.0			12		74.16	79.36	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11011012
Ms	3.9		BGR	11011012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	77.02		P	18:37:40.849	0.1	4.3		5.54		TAS		13.9	0.84	m_e mb	5.1
BSEG	74.16		P	18:37:25.263	0.1	4.3		5.54		TAS		29.1	0.88	m_e mb	5.3
CLL	76.65		P	18:37:38.646	0.1	4.3		5.54		TAS		13.4	0.82	m_e mb	5.1
FLT1	75.72		P	18:37:33.465	-0.3	4.3		5.54		TAS				m_e	
GEC2	79.05		P	18:37:52.184		4.3		5.54		TAS		7.9	0.85	m_e mb	4.8
GRA1	78.35		P	18:37:49.010		4.3		5.54		TAS		28.0	0.84	m_e mb	5.4
GRA1	78.35		L	19:19:39.777						T__		61.1	21.90	a_e Ms	3.9
IBBN	75.87		P	18:37:34.566	0.0	4.3		5.54		TAS		42.7	0.92	m_e mb	5.6
MOX	77.38		P	18:37:43.245	-0.1	4.3		5.54		TAS		14.5	0.86	m_e mb	5.1
MOX	77.38		L	19:22:56.723						T__		60.8	19.70	a_e Ms	3.9
STU	79.36		P	18:37:53.414		4.3		5.54		TAS		42.6	0.88	m_e mb	5.5
TANN	77.57		P	18:37:44.152		4.3		5.54		TAS		7.3	0.98	m_e mb	4.8
TNS	77.93		P	18:37:46.160		4.3		5.54		TAS		22.4	0.81	m_e mb	5.3
WET	78.81		P	18:37:50.953		4.3		5.54		TAS		9.1	1.31	m_e mb	4.6

Event 11011007 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/11	23:09:57.80			48.2870	153.5330				33.0			18		73.39	79.15	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	11011013
MBB	6.2		BGR	11011013
Ms	5.2		BGR	11011013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.03		P	23:21:57.139		24.7		5.64		TAS		177.5	1.26	m_e MBB	6.2
BRG	75.19		P	23:21:35.798	0.3	24.7		5.64		TAS		73.9	1.01	m_e MBB	6.1
BSEG	73.39		P	23:21:25.639	0.3	24.7		5.64		TAS		46.8	0.80	m_e MBB	6.3
BUG	76.42		P	23:21:42.803	-0.1	24.7		5.64		TAS		21.6	0.83	m_e MBB	5.9
CLL	75.07		P	23:21:34.824	0.3	24.7		5.64		TAS		123.2	0.70	m_e MBB	6.3

FLT1	74.61	P	23:21:31.901	-0.3	24.7	5.64	TAS	79.5	0.88	m_e	MBB	6.2
GEC2	77.08	P	23:21:46.638		24.7	5.64	TAS	36.1	0.74	m_e	MBB	6.1
GOR1	74.00	P	23:21:29.427	0.0	24.7	5.64	TAS	165.9	1.35	m_e	MBB	6.4
GRA1	77.02	P	23:21:46.518		24.7	5.64	TAS	103.5	0.58	m_e	MBB	6.6
GRA1	77.02	L	23:58:56.292				T__	1053.3	21.80	m_e	Ms	5.1
IBBN	75.50	P	23:21:37.662	0.1	24.7	5.64	TAS	108.2	0.98	m_e	MBB	6.5
KAST	76.36	P	23:21:42.402	-0.1	24.7	5.64	TAS	73.6	0.83	m_e	MBB	6.3
MOX	76.04	P	23:21:40.612	0.3	24.7	5.64	TAS	120.1	1.07	m_e	MBB	6.3
MOX	76.04	L	00:01:40.183				T__	1348.5	18.50	a_e	Ms	5.3
PLN	76.04	P	23:21:40.935	0.1	24.7	5.64	TAS	35.3	1.05	m_e	MBB	5.8
RETH	74.72	P	23:21:33.147	0.2	24.7	5.64	TAS	91.3	1.08	m_e	MBB	6.3
TANN	76.02	P	23:21:40.492	-0.4	24.7	5.64	TAS	54.3	1.11	m_e	MBB	6.2
TNS	77.25	P	23:21:47.652	-0.2	24.7	5.64	TAS	79.6	0.75	m_e	MBB	6.3
UBR	79.15	P	23:21:58.093		24.7	5.64	TAS	56.9	1.02	m_e	MBB	6.2
WET	77.05	P	23:21:46.697		24.7	5.64	TAS	94.9	0.83	m_e	MBB	6.4

Event 11012001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/12	06:03:10.56			-22.8250	175.8450				33.0			21		147.00	152.63	m i ke	BGR
OrigID 11012007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.53		PKPbc	06:22:53.900	0.1	29.8		2.51		TAS					a_e
BFO	152.60		PKPbc	06:23:03.500	-0.5	29.8		2.51		TAS					m_e
BRG	148.60		PKPbc	06:22:53.950	0.0	29.8		2.51		TAS					a_e
BSEG	147.00		PKPbc	06:22:49.550	-0.6	29.8		2.51		TAS					a_e
CLL	148.55		PKPbc	06:22:53.600	-0.2	29.8		2.51		TAS					a_e
FLT1	148.19		PKPbc	06:22:52.600	-0.3	29.8		2.51		TAS					a_e
GEC2	150.37		PKPbc	06:22:58.450	-0.0	29.8		2.51		TAS					a_e
GOR1	147.59		PKPbc	06:22:51.500	0.1	29.8		2.51		TAS					a_e
GRA1	150.52		PKPbc	06:22:58.931	0.2	29.8		2.51		TAS					m_e
GTTG	149.25		PKPbc	06:22:55.950	0.3	29.8		2.51		TAS					a_e
IBBN	149.10		PKPbc	06:22:55.533	-0.0	29.8		2.51		TAS					m_e
KAST	149.97		PKPbc	06:22:57.700	0.2	29.8		2.51		TAS					a_e
MOX	149.56		PKPbc	06:22:56.440	0.1	29.8		2.51		TAS					m_e
NEUB	149.04		PKPbc	06:22:55.100	0.1	29.8		2.51		TAS					a_e
PLN	149.53		PKPbc	06:22:56.400	0.2	29.8		2.51		TAS					a_e
RETH	148.32		PKPbc	06:22:53.350	-0.1	29.8		2.51		TAS					a_e
TANN	149.49		PKPbc	06:22:56.400	0.3	29.8		2.51		TAS					a_e
TNS	150.85		PKPbc	06:22:59.900	0.2	29.8		2.51		TAS					a_e
UBR	152.63		PKPbc	06:23:03.500	-0.5	29.8		2.51		TAS					m_e
WET	150.42		PKPbc	06:22:58.580	0.1	29.8		2.51		TAS					m_e
WLF	151.93		PKPbc	06:23:03.000	0.4	29.8		2.51		TAS					a_e

Event 11012003 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/12	09:24:31.21	2.77	277.09	37.0950	25.2350	173.5	123.4	165	33.0				24	339	14.44	19.74	m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	11012009
Ms	6.2		BGR	11012009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	18.20		Pn	09:28:38.699	-3.4					T__				m_e	
BFO	16.70		Pn	09:28:22.494	0.7					T__				m_e	
BRG	15.96		Pn	09:28:14.192	2.4					T__				m_e	
BSEG	19.74		P	09:28:55.443	-2.2					T__		811.1	1.08	m_e mb	5.9
BUG	19.18		Pn	09:28:49.803	-5.6					T__				m_e	
CLL	16.66		Pn	09:28:23.095	1.9					T__				m_e	
FLT1	18.13		Pn	09:28:37.792	-3.4					T__				m_e	
FUR	15.06		Pn	09:28:05.305	5.6					T__				m_e	
GEC2	14.44		Pn	09:27:57.040	5.8					T__				m_e	
GOR1	18.63		Pn	09:28:43.610	-4.3					T__				m_e	
GRA1	16.15		Pn	09:28:17.086	2.6					T__				m_e	
GTTG	18.05		Pn	09:28:38.058	-2.0					T__				m_e	
IBBN	19.55		P	09:28:53.482	-2.0					T__		893.5	1.20	m_e mb	5.9
KAST	18.49		Pn	09:28:41.582	-4.4					T__				m_e	
MOX	16.68		Pn	09:28:23.374	1.8					T__				m_e	
MOX	16.68		L	09:37:06.245						T__		124100.0	18.28	a_e Ms	6.2
NEUB	17.04		Pn	09:28:27.658	1.2					T__				m_e	
PLN	16.34		Pn	09:28:19.070	2.1					T__				m_e	
RETH	19.18		Pn	09:28:49.643	-5.7					T__				m_e	
RGN	19.27		P	09:28:56.270	4.0					T__		922.2	0.99	m_e mb	6.0
TANN	16.16		Pn	09:28:17.364	2.8					T__				m_e	
TNS	17.82		Pn	09:28:35.205	-1.7					T__				m_e	
UBR	15.35		Pn	09:28:08.005	4.3					T__				m_e	
WET	15.02		Pn	09:28:02.792	3.7					T__				m_e	
WLF	18.64		Pn	09:28:43.964	-4.1					T__				m_e	

Event 11015001 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/15	02:44:57.90			-8.8800	158.4800				23.0				24	127.88	133.28	m i ke NEIC	

Magnitude Err Nsta Author OrigID
 Ms 6.2 BGR 11015007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	129.46		PKPdf	03:04:05.684	-0.3	45.1		1.97		TAS				a_e	
BFO	133.28		PKPdf	03:04:12.784		45.1		1.97		TAS				a_e	
BRG	128.91		PKPdf	03:04:04.534	0.2	45.1		1.97		TAS				a_e	
BSEG	128.27		PKPdf	03:04:03.384	0.1	45.1		1.97		TAS				a_e	
BUG	131.37		PKPdf	03:04:09.184	-0.1	45.1		1.97		TAS				a_e	
CLL	129.04		PKPdf	03:04:04.434	0.1	45.1		1.97		TAS				a_e	
FLT1	129.08		PKPdf	03:04:04.634	-0.3	45.1		1.97		TAS				a_e	
FUR	132.03		PKPdf	03:04:10.534		45.1		1.97		TAS				a_e	
GEC2	130.39		PKPdf	03:04:07.334	-0.1	45.1		1.97		TAS				m_e	
GOR1	128.57		PKPdf	03:04:04.184	-0.2	45.1		1.97		TAS				a_e	
GRA1	130.99		PKPdf	03:04:08.584	0.1	45.1		1.97		TAS				a_e	
GRA1	130.99		L	04:03:02.489						T__		5869.4	21.60	a_e Ms	6.2
GTTG	130.19		PKPdf	03:04:07.234	-0.0	45.1		1.97		TAS				a_e	
IBBN	130.51		PKPdf	03:04:07.684	0.1	45.1		1.97		TAS				a_e	
KAST	131.09		PKPdf	03:04:08.884	-0.0	45.1		1.97		TAS				a_e	
MOX	130.13		PKPdf	03:04:06.834	0.1	45.1		1.97		TAS				a_e	
MOX	130.13		L	04:09:22.019						T__		5251.6	19.70	a_e Ms	6.2
NEUB	129.67		PKPdf	03:04:05.834	0.1	45.1		1.97		TAS				a_e	
PLN	130.00		PKPdf	03:04:06.634	0.6	45.1		1.97		TAS				a_e	
RUE	127.88		PKPdf	03:04:02.534	0.0	45.1		1.97		TAS				a_e	
STU	132.57		PKPdf	03:04:11.734	-0.2	45.1		1.97		TAS				a_e	
TANN	129.91		PKPdf	03:04:06.584	0.1	45.1		1.97		TAS				a_e	
TNS	131.82		PKPdf	03:04:10.384	0.2	45.1		1.97		TAS				a_e	
UBR	132.93		PKPdf	03:04:12.134		45.1		1.97		TAS				a_e	
WET	130.59		PKPdf	03:04:07.934	-0.3	45.1		1.97		TAS				a_e	
WLF	133.20		PKPdf	03:04:13.684	-0.0	45.1		1.97		TAS				a_e	

Event 11016001 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/16	02:02:14.94			47.7800	147.7740				33.0			23		72.33	77.89	m i ke	BGR

Magnitude Err Nsta Author OrigID
 mb 5.4 BGR 11016007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.82		P	02:13:44.962	-0.2	28.4		5.70		TAS		29.9	1.18	m_e mb	5.2
BFO	77.89		P	02:14:07.802		28.4		5.70		TAS		38.3	1.01	m_e mb	5.5
BRG	73.91		P	02:13:45.346	0.1	28.4		5.70		TAS		18.1	1.01	m_e mb	5.0
BSEG	72.33		P	02:13:36.550	0.1	28.4		5.70		TAS		19.7	1.12	m_e mb	5.1

BUG	75.40	P	02:13:53.941	0.4	28.4	5.70	TAS	15.0	0.95	m_e	mb	5.1
CLL	73.83	P	02:13:44.785	0.0	28.4	5.70	TAS	55.9	0.94	m_e	mb	5.6
FLT1	73.48	P	02:13:42.599	-0.3	28.4	5.70	TAS	30.0	0.95	m_e	mb	5.3
FUR	77.13	P	02:14:04.000	-0.5	28.4	5.70	TAS	68.3	0.95	m_e	mb	5.8
GEC2	75.75	P	02:13:56.041	0.0	28.4	5.70	TAS	26.5	0.90	m_e	mb	5.4
GRA1	75.80	P	02:13:56.777	-0.2	28.4	5.70	TAS	80.5	0.86	m_e	mb	5.9
GTTG	74.54	P	02:13:49.256	-0.0	28.4	5.70	TAS	48.5	1.17	m_e	mb	5.4
IBBN	74.49	P	02:13:48.759	0.0	28.4	5.70	TAS	28.3	0.81	m_e	mb	5.3
KAST	75.29	P	02:13:53.586	0.5	28.4	5.70	TAS	34.0	1.02	m_e	mb	5.3
MOX	74.84	P	02:13:50.830	0.1	28.4	5.70	TAS	40.3	1.15	m_e	mb	5.3
NEUB	74.31	P	02:13:47.608	0.0	28.4	5.70	TAS	61.0	1.02	m_e	mb	5.6
PLN	74.81	P	02:13:50.699	-0.0	28.4	5.70	TAS	8.8	0.99	m_e	mb	4.8
RETH	73.66	P	02:13:44.136	-0.2	28.4	5.70	TAS	26.9	1.02	m_e	mb	5.2
RUE	72.58	P	02:13:37.950	-0.4	28.4	5.70	TAS	57.7	1.30	m_e	mb	5.5
STU	77.23	P	02:14:04.304		28.4	5.70	TAS	104.7	0.99	m_e	mb	5.9
TANN	74.78	P	02:13:50.525	0.2	28.4	5.70	TAS	14.0	0.96	m_e	mb	5.0
TNS	76.16	P	02:13:58.412	0.2	28.4	5.70	TAS	30.9	0.89	m_e	mb	5.4
WET	75.75	P	02:13:56.555	0.1	28.4	5.70	TAS	57.8	0.96	m_e	mb	5.7
WLF	77.31	P	02:14:05.089		28.4	5.70	TAS	17.6	0.95	m_e	mb	5.2

Event 11016003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/16	09:51:17.28			-22.0440	172.7380				33.0			22		145.41	150.90	m i ke	BGR
OrigID 11016009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.3		BGR	11016009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.87		PKPbc	10:10:55.968	-0.1	34.5		2.70		TAS				m_e	
BFO	150.90		PKPbc	10:11:06.004		34.5		2.70		TAS				m_e	
BRG	146.75		PKPbc	10:10:55.494	0.3	34.5		2.70		TAS				m_e	
BSEG	145.41		PKPbc	10:10:51.696	0.0	34.5		2.70		TAS				m_e	
CLL	146.75		PKPbc	10:10:55.311	0.0	34.5		2.70		TAS				m_e	
FLT1	146.51		PKPbc	10:10:54.646	0.4	34.5		2.70		TAS				m_e	
GEC2	148.44		PKPbc	10:11:00.049		34.5		2.70		TAS				m_e	
GOR1	145.93		PKPbc	10:10:53.495	-0.3	34.5		2.70		TAS				m_e	
GRA1	148.73		PKPbc	10:11:00.986	-0.2	34.5		2.70		TAS				m_e	
GRA1	148.73		L	11:12:20.459						T__		43.8	20.30	a_e	Ms 4.2
GTTG	147.59		PKPbc	10:10:58.234	0.2	34.5		2.70		TAS				m_e	
IBBN	147.58		PKPbc	10:10:58.164	0.1	34.5		2.70		TAS				m_e	
KAST	148.37		PKPbc	10:11:00.226	0.1	34.5		2.70		TAS				m_e	
MOX	147.80		PKPbc	10:10:58.397	0.2	34.5		2.70		TAS				m_e	
MOX	147.80		L	11:16:16.595						T__		50.8	18.20	a_e	Ms 4.3
NEUB	147.29		PKPbc	10:10:57.066	0.2	34.5		2.70		TAS				m_e	

PLN	147.73	PKPbc	10:10:58.346	0.2	34.5	2.70	TAS	m_e
RETH	146.74	PKPbc	10:10:55.747	0.1	34.5	2.70	TAS	m_e
RUE	145.52	PKPbc	10:10:51.829	-0.3	34.5	2.70	TAS	m_e
STU	150.22	PKPbc	10:11:04.649		34.5	2.70	TAS	m_e
TANN	147.68	PKPbc	10:10:58.253	0.2	34.5	2.70	TAS	m_e
TNS	149.22	PKPbc	10:11:02.441	0.1	34.5	2.70	TAS	m_e
WET	148.54	PKPbc	10:11:00.408	-0.7	34.5	2.70	TAS	m_e
WLF	150.40	PKPbc	10:11:05.852	-0.1	34.5	2.70	TAS	m_e

Event 11016004 Kenai Peninsula, Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/16	17:47:27.80			60.8200	-151.4600				68.2	0.7		21		64.56	70.35	m i ke	BGR
OrigID 11016010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	11016010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	69.86		P	17:58:31.802		351.2		6.30		TAS		8.3	0.94	m_e mb	4.8
BRG	67.92		P	17:58:19.912	0.3	351.2		6.30		TAS		9.0	0.90	m_e mb	5.0
BRG	67.92		pP	17:58:38.063						T__				m_e	
BSEG	64.56		P	17:57:58.640	0.0	351.2		6.30		TAS		199.2	2.66	m_e mb	5.9
BUG	66.68		P	17:58:11.844	-0.1	351.2		6.30		TAS		7.5	0.77	m_e mb	5.0
CLL	67.41		P	17:58:16.371	0.0	351.2		6.30		TAS		6.4	0.76	m_e mb	4.9
CLL	67.41		pP	17:58:34.485						T__				m_e	
FLT1	66.23		P	17:58:08.660	0.4	351.2		6.30		TAS		19.8	1.48	m_e mb	5.1
FUR	70.35		P	17:58:34.992		351.2		6.30		TAS		24.0	0.90	m_e mb	5.3
GEC2	69.91		P	17:58:32.370		351.2		6.30		TAS		5.6	0.77	m_e mb	4.8
GRA1	68.84		P	17:58:25.811	-0.3	351.2		6.30		TAS		11.9	1.13	m_e mb	5.0
GTTG	66.88		P	17:58:13.777	0.1	351.2		6.30		TAS		31.2	1.07	m_e mb	5.5
GTTG	66.88		pP	17:58:31.938						T__				m_e	
IBBN	65.88		P	17:58:07.109	-0.2	351.2		6.30		TAS		15.7	0.90	m_e mb	5.2
KAST	67.05		P	17:58:14.452	0.0	351.2		6.30		TAS		6.1	0.84	m_e mb	4.9
MOX	67.93		P	17:58:20.031	0.4	351.2		6.30		TAS		23.7	1.11	m_e mb	5.3
MOX	67.93		pP	17:58:38.228						T__				m_e	
NEUB	67.41		P	17:58:16.634	0.1	351.2		6.30		TAS		15.6	0.78	m_e mb	5.3
NEUB	67.41		pP	17:58:34.789						T__				m_e	
PLN	68.14		P	17:58:21.383	0.3	351.2		6.30		TAS		3.1	0.93	m_e mb	4.5
PLN	68.14		pP	17:58:39.489						T__				m_e	
RETH	65.64		P	17:58:05.547	0.3	351.2		6.30		TAS		25.5	1.52	m_e mb	5.2
RUE	66.32		P	17:58:10.006	0.0	351.2		6.30		TAS		28.6	0.74	m_e mb	5.6
TANN	68.24		P	17:58:22.219	-0.3	351.2		6.30		TAS		6.1	0.84	m_e mb	4.9
TANN	68.24		pP	17:58:40.184						T__				m_e	
TNS	68.01		P	17:58:20.548	0.1	351.2		6.30		TAS		8.8	0.71	m_e mb	5.1
WET	69.54		P	17:58:30.445		351.2		6.30		TAS		6.7	0.92	m_e mb	4.8

WLF 68.28 P 17:58:22.464 -0.1 351.2 6.30 TAS 25.4 1.26 m_e mb 5.3

Event 11016005 North of Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/16	18:27:33.36			18.3220	-81.7930				35.3					78.14	78.14	m i ke	BGR
OrigID 11016011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11016011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.14		P	18:39:28.719		277.5		6.21		TAS		46.3	2.29	m_e mb	5.2
GRA1	78.14		pP	18:39:38.862						T__				m_e	

Event 11017002 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	01:12:47.39			30.6550	138.0510				500.0				18	84.32	89.32	m i ke	BGR
OrigID 11017008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	11017008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	85.50		P	01:24:30.709	-0.2	43.6		4.71		TAS		6.9	1.02	m_e mb	4.7
BFO	89.32		P	01:24:48.465		43.6		4.71		TAS		15.8	1.07	m_e mb	5.2
BRG	84.96		P	01:24:28.219	0.0	43.6		4.71		TAS		7.6	0.84	m_e mb	5.0
BSEG	84.32		P	01:24:25.299	-0.2	43.6		4.71		TAS		14.0	1.34	m_e mb	5.0
BUG	87.42		P	01:24:39.435		43.6		4.71		TAS		3.1	0.95	m_e mb	4.6
CLL	85.08		P	01:24:28.530	0.0	43.6		4.71		TAS		15.6	1.11	m_e mb	5.2
FUR	88.11		P	01:24:43.250		43.6		4.71		TAS		34.2	0.95	m_e mb	5.7
GEC2	86.50		P	01:24:35.198	-0.1	43.6		4.71		TAS		7.6	1.05	m_e mb	4.8
GRA1	87.03		P	01:24:38.260		43.6		4.71		TAS		75.7	1.78	m_e mb	5.5
IBBN	86.57		P	01:24:35.724	0.3	43.6		4.71		TAS		21.2	0.92	m_e mb	5.3
MOX	86.16		P	01:24:33.840	0.0	43.6		4.71		TAS		10.8	1.55	m_e mb	4.7
NEUB	85.70		P	01:24:31.697	0.1	43.6		4.71		TAS		13.1	1.11	m_e mb	5.0
PLN	86.04		P	01:24:33.272	-0.3	43.6		4.71		TAS		2.1	1.00	m_e mb	4.2
STU	88.61		P	01:24:45.338		43.6		4.71		TAS		49.5	1.07	m_e mb	5.7
TANN	85.95		P	01:24:32.881	0.3	43.6		4.71		TAS		3.6	0.90	m_e mb	4.5
TNS	87.85		P	01:24:41.834		43.6		4.71		TAS		6.4	0.98	m_e mb	4.9
WET	86.67		P	01:24:36.339	-0.3	43.6		4.71		TAS		6.0	1.05	m_e mb	4.7
WLF	89.24		P	01:24:48.606		43.6		4.71		TAS		20.7	1.22	m_e mb	5.2

Event 11017004 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	02:30:56.60			-29.9500	-177.3900				10.0			18		155.31	161.05	m i ke	EMSC
OrigID 11017036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	156.98		PKPab	02:51:21.888	-0.0	21.5		4.39		TAS				m_e	
BFO	161.05		PKPab	02:51:39.557		21.5		4.39		TAS				m_e	
BRG	157.38		PKPab	02:51:23.781	-0.4	21.5		4.39		TAS				m_e	
BSEG	155.31		PKPab	02:51:14.891	-0.3	21.5		4.39		TAS				m_e	
CLL	157.23		PKPab	02:51:22.813	-0.1	21.5		4.39		TAS				m_e	
FLT1	156.68		PKPab	02:51:20.242	-0.1	21.5		4.39		TAS				m_e	
FUR	160.56		PKPab	02:51:37.999		21.5		4.39		TAS				m_e	
GEC2	159.26		PKPab	02:51:32.007		21.5		4.39		TAS				m_e	
GRA1	159.16		PKPab	02:51:31.906		21.5		4.39		TAS				m_e	
GTTG	157.66		PKPab	02:51:25.082	0.1	21.5		4.39		TAS				m_e	
IBBN	157.26		PKPab	02:51:23.391	-0.0	21.5		4.39		TAS				m_e	
MOX	158.18		PKPab	02:51:27.106	-0.1	21.5		4.39		TAS				m_e	
NEUB	157.63		PKPab	02:51:24.669	0.2	21.5		4.39		TAS				m_e	
PLN	158.20		PKPab	02:51:27.349	-0.2	21.5		4.39		TAS				m_e	
STU	160.46		PKPab	02:51:37.086		21.5		4.39		TAS				m_e	
TANN	158.19		PKPab	02:51:27.357	0.3	21.5		4.39		TAS				m_e	
TNS	159.20		PKPab	02:51:31.657		21.5		4.39		TAS				m_e	
WET	159.23		PKPab	02:51:32.274		21.5		4.39		TAS				m_e	

Event 11017003 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	02:32:11.03			29.2240	129.6220				29.9					84.23	84.23	m i ke	BGR
OrigID 11017009																	

Magnitude Err Nsta Author OrigID

mb	5.0		BGR	11017009
Ms	5.0		BGR	11017009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.23		P	02:44:39.146		57.6		4.81		TAS		12.8	1.24	m_e mb	5.0
GRA1	84.23		pP	02:44:47.815						T__				m_e	
GRA1	84.23		L	03:25:59.812						T__		693.9	19.50	a_e Ms	5.0

Event 11017005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	12:05:24.86			50.0190	154.9680				33.0			23		72.12	77.95	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11017011
MBB	5.6		BGR	11017011
Ms	4.8		BGR	11017011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	73.70		P	12:16:54.136	-0.5	23.1		5.73		TAS		26.5	1.17	m_e	mb	5.2
BFO	77.78		P	12:17:17.141		23.1		5.73		TAS		35.5	1.14	m_e	MBB	5.7
BRG	74.02		P	12:16:55.685	0.0	23.1		5.73		TAS		16.4	1.14	m_e	mb	5.0
BSEG	72.12		P	12:16:45.012	0.1	23.1		5.73		TAS		14.5	1.06	m_e	mb	5.0
BUG	75.12		P	12:17:02.152	-0.2	23.1		5.73		TAS		12.0	1.03	m_e	MBB	5.1
CLL	73.87		P	12:16:54.648	-0.3	23.1		5.73		TAS		37.0	1.06	m_e	MBB	5.4
FLT1	73.37		P	12:16:51.782	-0.1	23.1		5.73		TAS		27.0	0.99	m_e	MBB	5.4
FUR	77.20		P	12:17:14.317		23.1		5.73		TAS		61.6	1.13	m_e	MBB	5.9
GEC2	75.92		P	12:17:06.931	-0.2	23.1		5.73		TAS		26.0	1.27	m_e	MBB	5.5
GOR1	72.75		P	12:16:48.989	0.1	23.1		5.73		TAS		34.6	1.21	m_e	mb	5.4
GRA1	75.81		P	12:17:06.690	-0.4	23.1		5.73		TAS		62.7	1.01	m_e	mb	5.7
GRA1	75.81		L	12:56:11.013						T__		447.7	18.20	a_e	Ms	4.8
GTTG	74.40		P	12:16:58.328	0.2	23.1		5.73		TAS		16.9	0.87	m_e	mb	5.1
IBBN	74.21		P	12:16:57.022	0.2	23.1		5.73		TAS		31.5	0.94	m_e	mb	5.3
KAST	75.09		P	12:17:02.275	-0.0	23.1		5.73		TAS		28.9	0.98	m_e	MBB	5.4
MOX	74.83		P	12:17:00.628	0.1	23.1		5.73		TAS		29.9	1.12	m_e	MBB	5.5
MOX	74.83		L	12:54:39.484						T__		471.5	18.60	a_e	Ms	4.8
NEUB	74.28		P	12:16:57.341	0.1	23.1		5.73		TAS		27.7	0.91	m_e	mb	5.3
PLN	74.84		P	12:17:00.802	0.5	23.1		5.73		TAS		8.4	1.03	m_e	mb	4.7
RETH	73.44		P	12:16:52.704	-0.5	23.1		5.73		TAS		40.1	1.22	m_e	mb	5.3
STU	77.16		P	12:17:13.824		23.1		5.73		TAS		100.0	1.14	m_e	MBB	6.0
TANN	74.82		P	12:17:00.630	0.5	23.1		5.73		TAS		21.3	1.35	m_e	MBB	5.4
TNS	75.99		P	12:17:07.351	0.1	23.1		5.73		TAS		30.7	0.84	m_e	MBB	5.6
UBR	77.95		P	12:17:18.328		23.1		5.73		TAS		46.2	1.42	m_e	MBB	5.6
WET	75.87		P	12:17:07.137	0.1	23.1		5.73		TAS		47.2	1.12	m_e	MBB	5.8

Event 11017008 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	15:49:31.92			41.5370	142.2400				33.0			20		76.19	81.58	m i ke	BGR

11017014

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	11017014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	77.59		P	16:01:23.497	-0.3	35.1		5.46		TAS		7.0	0.88	m_e	mb 4.8
BFO	81.58		P	16:01:44.997		35.1		5.46		TAS		6.1	0.81	m_e	mb 4.8
BRG	77.41		P	16:01:22.410	0.0	35.1		5.46		TAS		5.1	0.90	m_e	mb 4.7
BSEG	76.23		P	16:01:16.274	-0.1	35.1		5.46		TAS		16.2	0.77	m_e	mb 5.2
BUG	79.34		P	16:01:32.903	-0.1	35.1		5.46		TAS		3.8	0.76	m_e	mb 4.5
CLL	77.41		P	16:01:22.236	-0.1	35.1		5.46		TAS		13.6	0.84	m_e	mb 5.1
FLT1	77.23		P	16:01:21.181	-0.1	35.1		5.46		TAS		18.7	0.72	m_e	mb 5.3
GEC2	79.13		P	16:01:31.936		35.1		5.46		TAS		8.6	1.13	m_e	mb 4.7
GRA1	79.39		P	16:01:33.888		35.1		5.46		TAS		20.9	0.83	m_e	mb 5.2
GTTG	78.32		P	16:01:27.749	0.1	35.1		5.46		TAS		12.3	0.75	m_e	mb 5.1
IBBN	78.45		P	16:01:28.258	0.2	35.1		5.46		TAS		18.4	0.70	m_e	mb 5.2
KAST	79.15		P	16:01:32.143	-0.1	35.1		5.46		TAS		6.3	0.77	m_e	mb 4.7
MOX	78.46		P	16:01:28.293	0.5	35.1		5.46		TAS		6.0	0.77	m_e	mb 4.7
NEUB	77.96		P	16:01:25.439	0.0	35.1		5.46		TAS		15.9	0.83	m_e	mb 5.2
PLN	78.39		P	16:01:27.975	0.4	35.1		5.46		TAS		1.5	0.69	m_e	mb 4.2
RETH	77.55		P	16:01:23.403	-0.4	35.1		5.46		TAS		20.2	1.34	m_e	mb 5.1
RUE	76.19		P	16:01:15.844	-0.1	35.1		5.46		TAS		19.9	1.04	m_e	mb 5.2
STU	80.90		P	16:01:41.606		35.1		5.46		TAS		37.4	0.78	m_e	mb 5.5
TNS	79.96		P	16:01:36.518	-0.1	35.1		5.46		TAS		7.1	0.67	m_e	mb 4.7
WET	79.20		P	16:01:32.761		35.1		5.46		TAS		9.9	0.92	m_e	mb 4.8

Event 11017009 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	16:48:00.80			49.8330	155.4190				33.0					76.09	76.09	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	11017015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.09		P	16:59:44.283		20.0		4.83		TAS		4.4	0.98	m_e	mb 4.6

Event 11017010 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	17:39:28.33			50.7200	153.7700				52.2	0.5		25		71.18	76.99	m i ke	BGR

2021/10/17 20:13:27.100 0.57 1.18 41.3890 19.5120 22.2 10.0 54 10.0 30 337 6.24 11.71 m i ke BGR
11017017

Magnitude Err Nsta Author OrigID
ML 4.6 BGR 11017017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	6.52		Sn	20:16:15.561	0.6					T__				m_e	
ARSA	6.52		Pn	20:15:02.046	-1.1					T__				m_e ML	4.3
BERGE	10.35		Pn	20:15:54.178	-0.7					T__				m_e	
BFO	10.53		Sn	20:17:48.263	-2.1					T__				m_e	
BFO	10.53		Pn	20:15:57.134	-0.3					T__				m_e	
BIOA	7.56		Pn	20:15:17.491	0.2					T__				m_e ML	4.7
DAVA	9.07		Pn	20:15:38.642	1.0					T__				m_e	
FETA	8.45		Pn	20:15:29.747	0.5					T__				m_e	
FUR	8.95		Pn	20:15:36.111	0.1					T__				m_e	
GEC2	8.51		Sn	20:17:02.876	0.7					T__				m_e	
GEC2	8.51		Pn	20:15:29.586	-0.5					T__				m_e	
GRA1	10.12		Pn	20:15:50.726	-1.2					T__				m_e	
KBA	7.20		Pn	20:15:12.588	0.1					T__				m_e ML	4.7
LESA	7.76		Sn	20:16:44.573	0.0					T__				m_e	
LESA	7.76		Pn	20:15:20.176	0.2					T__				m_e ML	4.7
MANZ	10.03		Pn	20:15:49.728	-0.9					T__				m_e	
METMA	10.21		Pn	20:15:52.842	-0.3					T__				m_e	
MOA	7.46		Sn	20:16:39.334	2.0					T__				m_e	
MOA	7.46		Pn	20:15:16.085	0.2					T__				m_e ML	4.5
MOTA	8.46		Sn	20:17:01.443	0.3					T__				m_e	
MOTA	8.46		Pn	20:15:30.196	0.7					T__				m_e	
MOX	10.75		Pn	20:15:59.555	-0.8					T__				m_e	
NORI	9.65		Pn	20:15:44.947	-0.5					T__				m_e	
OBER	8.92		Pn	20:15:36.600	0.9					T__				m_e	
OBKA	6.24		Sn	20:16:10.628	2.2					T__				m_e	
OBKA	6.24		Pn	20:14:59.154	-0.3					T__				m_e	
PART	8.56		Sn	20:17:03.159	-0.3					T__				m_e	
PART	8.56		Pn	20:15:32.314	1.5					T__				m_e	
RJOB	7.95		Pn	20:15:22.899	0.4					T__				m_e ML	4.4
ROTZ	9.81		Pn	20:15:46.621	-1.0					T__				m_e	
SQTA	8.33		Sn	20:16:58.810	0.9					T__				m_e	
SQTA	8.33		Pn	20:15:28.582	1.0					T__				m_e ML	4.9
STU	10.37		Pn	20:15:55.420	0.2					T__				m_e	
TNS	11.71		Sn	20:18:13.172	-5.2					T__				m_e	
TNS	11.71		Pn	20:16:13.358	-0.0					T__				m_e	
UBR	9.19		Pn	20:15:39.332	0.0					T__				m_e	
WALHA	9.76		Pn	20:15:46.779	-0.2					T__				m_e	
WET	9.05		Pn	20:15:36.506	-0.9					T__				m_e	
WTTA	8.14		Sn	20:16:53.701	0.2					T__				m_e	
WTTA	8.14		Pn	20:15:25.582	0.5					T__				m_e ML	5.0
ZUGS	8.57		Sn	20:17:04.567	0.8					T__				m_e	
ZUGS	8.57		Pn	20:15:32.303	1.3					T__				m_e	

Event 11017012 Greenland Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	20:37:11.36			78.9510	4.5020				33.0					29.43	29.43	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	11017018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	29.43		P	20:43:11.687						T__		10.3	1.13	m_e mb	4.6

Event 11017013 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/17	21:59:50.12			29.4100	139.2400				500.0				25	84.24	90.91	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	11017019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	87.08		P	22:11:42.057	0.0	43.5		4.71		TAS		11.1	1.27	m_e mb	4.8
BFO	90.91		P	22:12:00.009		43.5		4.71		TAS		46.6	1.10	m_e mb	5.7
BRG	86.56		P	22:11:39.809	-0.1	43.5		4.71		TAS		22.2	0.71	m_e mb	5.4
BSEG	85.90		P	22:11:36.798	0.1	43.5		4.71		TAS		17.3	0.74	m_e mb	5.3
BUG	89.00		P	22:11:50.988	0.3	43.5		4.71		TAS		6.1	0.73	m_e mb	4.9
CLL	86.67		P	22:11:40.121	-0.5	43.5		4.71		TAS		49.1	1.13	m_e mb	5.5
FLT1	86.70		P	22:11:39.923	-0.1	43.5		4.71		TAS		15.4	0.77	a_e mb	5.2
FUR	89.71		P	22:11:54.880	-0.3	43.5		4.71		TAS		87.7	0.88	m_e mb	6.0
GEC2	88.10		P	22:11:46.772	0.0	43.5		4.71		TAS		21.8	1.06	m_e mb	5.4
GRA1	88.63		P	22:11:49.911	-0.3	43.5		4.71		TAS		29.9	0.84	m_e mb	5.5
GTTG	87.81		P	22:11:45.750	0.0	43.5		4.71		TAS		9.1	0.71	m_e mb	5.2
IBBN	88.14		P	22:11:47.273	0.4	43.5		4.71		TAS		42.5	0.76	a_e mb	5.8
KAST	88.71		P	22:11:49.983	0.1	43.5		4.71		TAS		7.8	0.68	m_e mb	5.0
MOX	87.76		P	22:11:45.412	-0.2	43.5		4.71		TAS		34.7	1.51	m_e mb	5.5
NEUB	87.29		P	22:11:43.216	0.1	43.5		4.71		TAS		25.5	0.80	m_e mb	5.4
PLN	87.63		P	22:11:44.895	0.1	43.5		4.71		TAS		4.0	0.71	m_e mb	4.9
RETH	87.17		P	22:11:42.562	0.0	43.5		4.71		TAS		18.4	1.05	m_e mb	5.1
RGN	84.24		P	22:11:28.897	0.1	43.5		4.71		TAS		88.9	0.82	m_e mb	6.0
RUE	85.51		P	22:11:34.923	0.1	43.5		4.71		TAS		28.0	0.70	m_e mb	5.5
STU	90.20		P	22:11:56.894	0.3	43.5		4.71		TAS		91.9	0.98	m_e mb	6.0

TANN	87.55	P	22:11:44.428	0.0	43.5	4.71	TAS	9.0	0.82	m_e	mb	5.1
TNS	89.43	P	22:11:53.429	-0.0	43.5	4.71	TAS	9.7	0.84	m_e	mb	5.1
UBR	90.60	P	22:11:58.429	-0.2	43.5	4.71	TAS	17.3	0.85	m_e	mb	5.4
WET	88.27	P	22:11:47.791	0.1	43.5	4.71	TAS	13.9	1.02	m_e	mb	5.2
WLF	90.82	P	22:12:00.193		43.5	4.71	TAS	29.3	0.96	m_e	mb	5.6

Event 11018002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/18	07:26:52.40			-13.7400	166.9400				97.0			25		135.76	141.16	m i ke	NEIC
	11018097																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	137.18		PKPdf	07:46:03.434	0.0	36.8		1.83		TAS				m_e	
ASSE	137.18		PP	07:48:50.182		37.2		6.23		TAS				m_e	
ASSE	137.18		PKSbc	07:49:29.577	0.3	36.4		2.81		TAS				m_e	
BFO	141.16		PKSbc	07:49:39.753		36.4		2.81		TAS				m_e	
BRG	136.94		PKPdf	07:46:03.353	-0.0	36.8		1.83		TAS				m_e	
BRG	136.94		PKSbc	07:49:28.777	-0.1	36.4		2.81		TAS				m_e	
BSEG	135.81		PKPdf	07:46:01.313	0.2	36.8		1.83		TAS				m_e	
BSEG	135.81		PKSbc	07:49:25.531	0.0	36.4		2.81		TAS				m_e	
BUG	138.90		PKPdf	07:46:06.784	0.1	36.8		1.83		TAS				m_e	
BUG	138.90		PP	07:49:00.798		37.2		6.23		TAS				m_e	
BUG	138.90		PKSbc	07:49:34.147	0.1	36.4		2.81		TAS				m_e	
CLL	136.97		PKPdf	07:46:03.200	-0.3	36.8		1.83		TAS				m_e	
CLL	136.97		PKSbc	07:49:28.612	0.1	36.4		2.81		TAS				m_e	
FLT1	136.82		PKPdf	07:46:02.863	-0.1	36.8		1.83		TAS				m_e	
FLT1	136.82		PP	07:48:47.711	0.1	37.2		6.23		TAS				m_e	
FLT1	136.82		PKSbc	07:49:28.157	-0.2	36.4		2.81		TAS				m_e	
FUR	140.13		PKPdf	07:46:09.179	0.5	36.8		1.83		TAS				m_e	
FUR	140.13		PKSbc	07:49:37.905	0.9	36.4		2.81		TAS				m_e	
GEC2	138.58		PKPdf	07:46:06.343	0.1	36.8		1.83		TAS				m_e	
GEC2	138.58		PKSbc	07:49:33.560	0.0	36.4		2.81		TAS				m_e	
GOR1	136.25		PKPdf	07:46:02.189	-0.1	36.8		1.83		TAS				m_e	
GOR1	136.25		PKSbc	07:49:26.848	-0.3	36.4		2.81		TAS				m_e	
GRA1	138.95		PKPdf	07:46:07.087	0.1	36.8		1.83		TAS				m_e	
GRA1	138.95		PKSbc	07:49:34.941	0.1	36.4		2.81		TAS				m_e	
GTTG	137.91		PKPdf	07:46:05.181	-0.1	36.8		1.83		TAS				m_e	
GTTG	137.91		PKSbc	07:49:31.765	-0.2	36.4		2.81		TAS				m_e	
IBBN	138.01		PKPdf	07:46:05.171	0.0	36.8		1.83		TAS				m_e	
IBBN	138.01		PKSbc	07:49:31.728	0.0	36.4		2.81		TAS				m_e	
KAST	138.73		PKPdf	07:46:06.638	0.2	36.8		1.83		TAS				m_e	
KAST	138.73		PP	07:48:59.984		37.2		6.23		TAS				m_e	
KAST	138.73		PKSbc	07:49:33.882	0.5	36.4		2.81		TAS				m_e	

MOX	138.03	PKPdf	07:46:05.079	0.1	36.8	1.83	TAS	m_e
MOX	138.03	PP	07:48:54.701		37.2	6.23	TAS	m_e
MOX	138.03	PKSbc	07:49:31.812	0.2	36.4	2.81	TAS	m_e
NEUB	137.54	PKPdf	07:46:04.275	0.1	36.8	1.83	TAS	m_e
NEUB	137.54	PKSbc	07:49:30.435	0.3	36.4	2.81	TAS	m_e
PLN	137.95	PKPdf	07:46:05.135	-0.1	36.8	1.83	TAS	m_e
PLN	137.95	PP	07:48:54.742		37.2	6.23	TAS	m_e
PLN	137.95	PKSbc	07:49:31.859	-0.0	36.4	2.81	TAS	m_e
RETH	137.12	PKPdf	07:46:03.606	-0.0	36.8	1.83	TAS	m_e
RETH	137.12	PP	07:48:50.010	0.3	37.2	6.23	TAS	m_e
RETH	137.12	PKSbc	07:49:29.308	0.0	36.4	2.81	TAS	m_e
RUE	135.76	PKPdf	07:46:01.097	0.1	36.8	1.83	TAS	m_e
RUE	135.76	PKSbc	07:49:25.244	-0.1	36.4	2.81	TAS	m_e
STU	140.47	PKPdf	07:46:08.942		36.8	1.83	TAS	m_e
STU	140.47	PKSbc	07:49:38.611	-0.6	36.4	2.81	TAS	m_e
TANN	137.89	PKPdf	07:46:04.984	0.1	36.8	1.83	TAS	m_e
TANN	137.89	PKSbc	07:49:31.704	0.3	36.4	2.81	TAS	m_e
TNS	139.54	PKPdf	07:46:08.158	-0.8	36.8	1.83	TAS	m_e
TNS	139.54	PP	07:49:05.042		37.2	6.23	TAS	m_e
TNS	139.54	PKSbc	07:49:36.238	-0.1	36.4	2.81	TAS	m_e
UBR	141.00	PKSbc	07:49:39.615		36.4	2.81	TAS	m_e
WET	138.70	PKPdf	07:46:06.632	-0.2	36.8	1.83	TAS	m_e
WET	138.70	PP	07:48:59.516		37.2	6.23	TAS	m_e
WET	138.70	PKSbc	07:49:34.023	-0.3	36.4	2.81	TAS	m_e
WLF	140.80	PKPdf	07:46:10.916		36.8	1.83	TAS	m_e
WLF	140.80	PKSbc	07:49:40.584	-0.9	36.4	2.81	TAS	m_e

Event 11018004 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/18	08:24:31.03			53.6500	158.4200				182.3	4.2		26		68.26	75.40	m i ke	BGR
OrigID 11018010																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	11018010
MBB	6.4		BGR	11018010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	71.08		P	08:35:30.134	-0.4	19.8		5.95		TAS		200.6	0.97	a_e	MBB 6.5
ASSE	71.08		pP	08:36:13.430	0.3	18.2		6.05		TAS				m_e	
BFO	75.16		P	08:35:53.884	-0.2	19.8		5.95		TAS		110.1	0.82	a_e	MBB 6.1
BFO	75.16		pP	08:36:37.860		18.2		6.05		TAS				m_e	
BRG	71.54		P	08:35:32.484	-0.2	19.8		5.95		TAS		107.6	0.95	a_e	MBB 6.2
BRG	71.54		pP	08:36:16.345	0.1	18.2		6.05		TAS				m_e	
BSEG	69.45		P	08:35:20.334	0.0	19.8		5.95		TAS		302.2	0.98	a_e	MBB 6.5
BUG	72.40		P	08:35:37.894	0.2	19.8		5.95		TAS		95.4	0.86	m_e	MBB 6.0

mb	6.1	BGR	11019008
MBB	6.4	BGR	11019008
Ms	5.3	BGR	11019008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	22.67		P	05:37:16.999	0.6	133.6		10.52		TAS		541.2	1.02	m_e	MBB 6.3
BFO	21.33		P	05:37:03.463		133.6		10.52		TAS		2157.7	1.12	m_e	MBB 6.5
BRG	20.37		P	05:36:53.587	0.1	133.6		10.52		TAS		445.6	1.03	m_e	MBB 6.1
BSEG	24.15		P	05:37:32.187	1.9	133.6		10.52		TAS		657.5	1.17	m_e	MBB 6.3
BUG	23.75		P	05:37:28.720	-0.6	133.6		10.52		TAS		267.0	1.08	m_e	MBB 5.9
CLL	21.09		P	05:37:00.979	-0.8	133.6		10.52		TAS		626.2	1.08	m_e	MBB 6.2
FLT1	22.58		P	05:37:15.909	-0.6	133.6		10.52		TAS		400.6	0.99	m_e	MBB 6.2
FUR	19.67		P	05:36:45.218	0.4	133.6		10.52		TAS		2290.3	1.30	m_e	MBB 6.6
GEC2	18.96		P	05:36:37.996	0.1	133.6		10.52		TAS		1606.9	1.39	m_e	MBB 6.5
GOR1	23.04		P	05:37:21.250	-0.1	133.6		10.52		TAS		673.1	1.20	m_e	MBB 6.4
GRA1	20.71		P	05:36:56.616	-0.1	133.6		10.52		TAS		1267.3	1.18	m_e	mb 6.1
GRA1	20.71		L	05:46:35.722						T__		12958.7	19.60	a_e	Ms 5.3
GTTG	22.57		P	05:37:16.598	-0.0	133.6		10.52		TAS		17778.9	3.23	m_e	MBB 6.5
IBBN	24.08		P	05:37:32.091	-0.2	133.6		10.52		TAS		515.0	1.07	m_e	MBB 6.3
KAST	23.05		P	05:37:21.314	-0.7	133.6		10.52		TAS		585.1	1.08	m_e	MBB 6.3
MOX	21.19		P	05:37:02.278	-0.1	133.6		10.52		TAS		991.5	1.37	m_e	MBB 6.2
MOX	21.19		L	05:47:32.432						T__		11753.1	19.60	a_e	Ms 5.3
NEUB	21.52		P	05:37:05.682	-0.0	133.6		10.52		TAS		1191.1	1.37	m_e	MBB 6.3
PLN	20.84		P	05:36:58.478	-0.6	133.6		10.52		TAS		413.3	1.11	m_e	MBB 5.8
RETH	23.67		P	05:37:28.050	0.4	133.6		10.52		TAS		923.5	1.41	m_e	MBB 6.3
RUE	21.70		P	05:37:07.650	-0.5	133.6		10.52		TAS		1136.5	1.14	m_e	MBB 6.5
STU	21.13		P	05:37:01.029	1.1	133.6		10.52		TAS		3042.3	0.84	m_e	MBB 6.9
TANN	20.65		P	05:36:56.505	-0.6	133.6		10.52		TAS		780.1	1.04	m_e	MBB 6.1
TNS	22.41		P	05:37:14.886	1.4	133.6		10.52		TAS		758.3	1.00	m_e	MBB 6.4
UBR	19.98		P	05:36:48.849		133.6		10.52		TAS		1054.8	0.97	m_e	MBB 6.6
WET	19.55		P	05:36:44.553	-0.8	133.6		10.52		TAS		1230.4	1.02	m_e	MBB 6.5
WLF	23.27		P	05:37:24.367	-0.7	133.6		10.52		TAS		1778.6	1.07	m_e	MBB 6.7

Event 11019004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/19	10:28:45.40			-21.2500	-175.7900				10.0					150.99	150.99	m i ke	EMSC
	11019036																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	11019010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.99		PKP	10:48:40.567		13.6		1.56		TAS				m_e	
GRA1	150.99		L	11:56:16.250						T__		496.3	22.00	a_e	Ms 5.3

Event 11019005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/19	12:36:42.32			42.1020	142.8690				33.0			24		75.93	81.32	m i ke	BGR
OrigID 11019011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	11019011
Ms	4.9		BGR	11019011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	77.31		P	12:48:32.290	-0.1	34.4		5.48		TAS		13.3	0.95	m_e	mb	5.0
BFO	81.32		P	12:48:54.002		34.4		5.48		TAS		12.2	0.87	m_e	mb	5.0
BRG	77.16		P	12:48:31.426	0.0	34.4		5.48		TAS		9.0	0.86	m_e	mb	4.9
BSEG	75.94		P	12:48:24.892	0.1	34.4		5.48		TAS		34.6	0.85	m_e	mb	5.5
BUG	79.04		P	12:48:41.671	0.1	34.4		5.48		TAS		7.3	0.85	m_e	mb	4.7
CLL	77.16		P	12:48:31.142	-0.1	34.4		5.48		TAS		25.2	0.85	m_e	mb	5.4
FLT1	76.95		P	12:48:29.970	0.3	34.4		5.48		TAS		41.0	0.88	m_e	mb	5.6
FUR	80.37		P	12:48:49.228		34.4		5.48		TAS		36.9	0.96	m_e	mb	5.3
GEC2	78.89		P	12:48:41.012	-0.3	34.4		5.48		TAS		6.8	0.86	m_e	mb	4.7
GOR1	76.38		P	12:48:27.521	-0.1	34.4		5.48		TAS		34.4	1.08	m_e	mb	5.4
GRA1	79.13		P	12:48:42.875	0.0	34.4		5.48		TAS		34.9	0.81	m_e	mb	5.4
GRA1	79.13		L	13:26:44.952						T__		643.1	20.40	a_e	Ms	5.0
GTTG	78.04		P	12:48:36.648	-0.4	34.4		5.48		TAS		27.9	0.90	m_e	mb	5.4
IBBN	78.15		P	12:48:37.070	-0.1	34.4		5.48		TAS		38.2	0.88	m_e	mb	5.5
KAST	78.86		P	12:48:40.938	-0.1	34.4		5.48		TAS		15.1	0.91	m_e	mb	5.0
MOX	78.20		P	12:48:37.289	-0.1	34.4		5.48		TAS		9.5	0.91	m_e	mb	4.9
MOX	78.20		L	13:25:43.846						T__		657.4	21.60	a_e	Ms	4.9
NEUB	77.70		P	12:48:34.348	0.0	34.4		5.48		TAS		31.0	0.73	m_e	mb	5.5
PLN	78.14		P	12:48:36.927	-0.1	34.4		5.48		TAS		3.4	1.01	m_e	mb	4.4
RETH	77.26		P	12:48:32.156	0.2	34.4		5.48		TAS		29.0	1.01	m_e	mb	5.4
RUE	75.93		P	12:48:24.755	-0.4	34.4		5.48		TAS		34.2	0.85	m_e	mb	5.5
STU	80.63		P	12:48:50.456	0.1	34.4		5.48		TAS		79.8	0.84	m_e	mb	5.8
TANN	78.08		P	12:48:36.545	0.1	34.4		5.48		TAS		8.2	1.01	m_e	mb	4.8
TNS	79.68		P	12:48:45.205	0.5	34.4		5.48		TAS		13.7	0.93	m_e	mb	4.9
WET	78.96		P	12:48:41.892	-0.1	34.4		5.48		TAS		15.2	0.90	a_e	mb	5.0
WLF	80.93		P	12:48:52.229	0.5	34.4		5.48		TAS		14.4	0.91	m_e	mb	5.0

Event 11021004 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/21	06:05:40.10			27.4180	56.4970				33.0			11		39.21	44.20	m i ke	BGR
OrigID 11021010																	

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 11021010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	42.82		P	06:13:33.770	-0.1	105.8		8.23		TAS		16.7	0.65	m_e	mb 4.9
BUG	43.88		P	06:13:43.410	0.3	105.8		8.23		TAS		8.5	0.93	m_e	mb 4.5
CLL	40.41		P	06:13:14.832		105.8		8.23		TAS		34.2	1.00	m_e	mb 4.9
FLT1	41.77		P	06:13:25.585	-0.2	105.8		8.23		TAS		32.0	0.77	m_e	mb 5.1
GEC2	39.21		P	06:13:05.110		105.8		8.23		TAS		11.5	0.80	m_e	mb 4.5
IBBN	43.81		P	06:13:42.540	0.3	105.8		8.23		TAS		69.3	1.26	m_e	mb 5.2
KAST	43.13		P	06:13:37.491		105.8		8.23		TAS		18.3	0.83	m_e	mb 4.8
TNS	42.87		P	06:13:35.508		105.8		8.23		TAS		16.1	0.88	m_e	mb 4.8
UBR	41.23		P	06:13:21.637		105.8		8.23		TAS		16.2	0.72	m_e	mb 4.8
WET	39.81		P	06:13:09.645		105.8		8.23		TAS		4.8	0.81	m_e	mb 4.2
WLF	44.20		P	06:13:45.910		105.8		8.23		TAS		36.9	1.30	m_e	mb 5.0

Event 11021002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/21	08:10:44.20			-25.3200	179.6600				497.0			4		150.26	155.96	m i ke	EMSC

OrigID 11021034

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.88		PKPbc	08:29:42.426		21.9		2.17		TAS				m_e	
ASSE	151.88		pPKPbc	08:31:48.035		21.6		2.30		TAS				m_e	
BFO	155.96		PKPdf	08:29:43.165		18.0		1.03		TAS				m_e	
BFO	155.96		PKPab	08:30:11.135		21.1		4.32		TAS				m_e	
BRG	152.16		PKPbc	08:29:43.111		21.9		2.17		TAS				m_e	
BSEG	150.26		PKPbc	08:29:38.774	-0.1	21.9		2.17		TAS				m_e	
BUG	153.19		PKPdf	08:29:39.984		18.0		1.03		TAS				m_e	
CLL	152.05		PKPbc	08:29:42.676		21.9		2.17		TAS				m_e	
FLT1	151.56		PKPbc	08:29:41.456	0.0	21.9		2.17		TAS				m_e	
FLT1	151.56		pPKPbc	08:31:46.978		21.6		2.30		TAS				m_e	
FUR	155.36		PKPab	08:30:09.318		21.1		4.32		TAS				m_e	
GEC2	154.01		PKPdf	08:29:40.909		18.0		1.03		TAS				m_e	
GEC2	154.01		PKPab	08:30:03.238		21.1		4.32		TAS				m_e	
GRA1	153.99		PKPdf	08:29:42.733		18.0		1.03		TAS				m_e	
GRA1	153.99		PKPab	08:30:03.513		21.1		4.32		TAS				m_e	
IBBN	152.28		PKPbc	08:29:43.184		21.9		2.17		TAS				m_e	
IBBN	152.28		PKPab	08:29:55.410	-0.2	21.1		4.32		TAS				m_e	
IBBN	152.28		pPKPbc	08:31:48.835		21.6		2.30		TAS				m_e	
MOX	153.02		PKPab	08:29:58.758		21.1		4.32		TAS				m_e	
NEUB	152.48		PKPab	08:29:56.311		21.1		4.32		TAS				m_e	

PLN	153.02	PKPab	08:29:58.915	21.1	4.32	TAS	m_e
RETH	151.58	PKPbc	08:29:41.777	-0.1 21.9	2.17	TAS	m_e
RETH	151.58	pPKPbc	08:31:47.295	21.6	2.30	TAS	m_e
STU	155.35	PKPdf	08:29:42.821	18.0	1.03	TAS	m_e
TANN	153.00	PKPab	08:29:58.992	21.1	4.32	TAS	m_e
TNS	154.15	PKPab	08:30:03.490	21.1	4.32	TAS	m_e
WET	154.01	PKPab	08:30:03.500	21.1	4.32	TAS	m_e

Event 11021005 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/21	08:36:49.02			32.3500	138.9400				357.4	3.4		26		81.54	88.25	m i ke	BGR
OrigID 11021011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	11021011
MBB	6.2		BGR	11021011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.39		P	08:48:42.389	0.1	42.3		4.78		TAS		104.2	1.26	m_e	MBB 6.1
BFO	88.25		P	08:49:00.664		42.3		4.78		TAS		44.7	0.86	m_e	mb 5.8
BFO	88.25		pP	08:50:23.477		41.8		4.96		TAS				m_e	
BFO	88.25		PP	08:52:33.626		40.5		7.94		TAS				m_e	
BRG	83.92		P	08:48:40.164	0.0	42.3		4.78		TAS		86.7	0.90	a_e	MBB 6.2
BRG	83.92		pP	08:50:02.591	-0.0	41.8		4.96		TAS				m_e	
BSEG	83.18		P	08:48:36.764	0.1	42.3		4.78		TAS		307.9	0.92	a_e	MBB 6.6
BSEG	83.18		pP	08:49:58.795	-0.3	41.8		4.96		TAS				m_e	
BSEG	83.18		PP	08:51:52.693	0.4	40.5		7.94		TAS				m_e	
BUG	86.28		P	08:48:51.246	-0.0	42.3		4.78		TAS		23.3	1.24	m_e	MBB 5.5
BUG	86.28		pP	08:50:14.295		41.8		4.96		TAS				m_e	
BUG	86.28		PP	08:52:17.887		40.5		7.94		TAS				m_e	
CLL	84.01		P	08:48:40.414	-0.3	42.3		4.78		TAS		193.3	1.05	a_e	MBB 6.4
CLL	84.01		pP	08:50:02.902	0.2	41.8		4.96		TAS				m_e	
FLT1	84.01		P	08:48:40.262	-0.1	42.3		4.78		TAS		190.8	0.95	m_e	MBB 6.5
FLT1	84.01		pP	08:50:02.745	0.1	41.8		4.96		TAS				m_e	
FLT1	84.01		PP	08:51:59.731	0.2	40.5		7.94		TAS				m_e	
FUR	87.08		P	08:48:55.564	-0.1	42.3		4.78		TAS		73.0	0.83	m_e	MBB 6.2
GEC2	85.49		P	08:48:47.514	0.2	42.3		4.78		TAS		39.4	0.99	m_e	MBB 5.7
GEC2	85.49		pP	08:50:10.370	-0.7	41.8		4.96		TAS				m_e	
GOR1	83.49		P	08:48:38.317	0.2	42.3		4.78		TAS		260.4	1.16	m_e	MBB 6.5
GRA1	85.97		P	08:48:50.318	0.0	42.3		4.78		TAS		130.8	1.28	m_e	mb 5.9
GRA1	85.97		pP	08:50:13.520		41.8		4.96		TAS				m_e	
GTTG	85.12		P	08:48:46.164	0.1	42.3		4.78		TAS		46.8	0.92	a_e	MBB 6.2
GTTG	85.12		pP	08:50:08.884	-0.1	41.8		4.96		TAS				m_e	
GTTG	85.12		PP	08:52:09.083		40.5		7.94		TAS				m_e	
IBBN	85.42		P	08:48:47.527	-0.1	42.3		4.78		TAS		188.4	0.97	m_e	MBB 6.3

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GTTG	163.72	PKPab	22:18:48.451	0.2	53.3	4.48	TAS	m_e
IBBN	164.06	PKPab	22:18:49.966	0.3	53.3	4.48	TAS	m_e
KAST	164.64	PKPab	22:18:52.582	-0.1	53.3	4.48	TAS	m_e
NEUB	163.13	PKPab	22:18:45.555	0.3	53.3	4.48	TAS	m_e
RETH	163.10	PKPab	22:18:45.517	-0.1	53.3	4.48	TAS	m_e
RUE	161.35	PKPab	22:18:37.867	0.2	53.3	4.48	TAS	m_e
TANN	163.27	PKPab	22:18:45.871	-0.4	53.3	4.48	TAS	m_e
TNS	165.34	PKPab	22:18:55.618	0.1	53.3	4.48	TAS	m_e
UBR	166.11	PKPab	22:18:58.897		53.3	4.48	TAS	m_e
WET	163.76	PKPab	22:18:48.521		53.3	4.48	TAS	m_e
WLF	166.75	PKPab	22:19:02.270	-0.3	53.3	4.48	TAS	m_e

Event 11024001 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/24	05:11:34.50			24.5300	121.8700				67.0			9		81.11	85.58	m i ke	EMSC
OrigID 11024037																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	11024007
MBB	5.6		BGR	11024007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	81.80		P	05:23:45.516	-0.1	57.3		5.09		TAS		12.9	0.82	m_e	MBB 5.3
CLL	82.10		P	05:23:46.792	-0.3	57.3		5.09		TAS		25.2	0.78	m_e	MBB 5.6
FUR	84.66		P	05:24:00.867		57.3		5.09		TAS		76.8	0.88	m_e	MBB 6.1
GEC2	82.93		P	05:23:51.551	-0.4	57.3		5.09		TAS		36.1	1.08	m_e	MBB 5.6
GRA1	83.90		P	05:23:56.698		57.3		5.09		TAS		100.4	1.63	m_e	MBB 5.8
GRA1	83.90		L	06:04:56.147						T__		4096.3	20.00	a_e	Ms 5.8
MOX	83.19		L	06:05:13.061						T__		5921.2	18.40	a_e	Ms 6.0
PLN	82.97		P	05:23:51.514		57.3		5.09		TAS		12.0	1.46	m_e	MBB 4.9
RUE	81.11		P	05:23:42.169	0.2	57.3		5.09		TAS		37.3	0.83	m_e	MBB 5.6
UBR	85.58		P	05:24:04.702		57.3		5.09		TAS		26.3	0.94	m_e	mb 5.3
WET	83.25		P	05:23:53.318		57.3		5.09		TAS		24.4	1.29	m_e	MBB 5.7

Event 11027001 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/27	02:42:41.87			58.3960	152.1170				33.0			21		63.73	69.63	m i ke	BGR
OrigID 11027007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	11027007

Ms 4.3 BGR 11027007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	65.34		P	02:53:19.485	0.3	21.0		6.34		TAS		55.5	1.24	m_e	mb 5.7
BFO	69.42		P	02:53:44.844	-0.1	21.0		6.34		TAS		21.3	1.06	m_e	mb 5.2
BRG	65.74		P	02:53:21.790	0.1	21.0		6.34		TAS		22.7	1.23	m_e	mb 5.3
BSEG	63.73		P	02:53:09.175	0.0	21.0		6.34		TAS		36.0	1.11	m_e	mb 5.5
BUG	66.71		P	02:53:28.002	-0.4	21.0		6.34		TAS		17.1	1.04	m_e	mb 5.2
CLL	65.57		P	02:53:20.510	0.3	21.0		6.34		TAS		54.2	1.08	m_e	mb 5.7
FLT1	65.02		P	02:53:16.859	0.0	21.0		6.34		TAS		45.3	1.44	m_e	mb 5.5
FUR	68.90		P	02:53:42.026	-0.4	21.0		6.34		TAS		35.5	0.92	m_e	mb 5.6
GEC2	67.68		P	02:53:34.470	-0.5	21.0		6.34		TAS		30.0	1.18	m_e	mb 5.4
GRA1	67.49		P	02:53:33.573	0.5	21.0		6.34		TAS		65.0	1.17	m_e	mb 5.8
GRA1	67.49		L	03:22:54.089						T__		175.7	20.80	a_e	Ms 4.3
GTTG	66.04		P	02:53:24.160	-0.0	21.0		6.34		TAS		26.3	1.11	m_e	mb 5.4
IBBN	65.79		P	02:53:22.239	-0.6	21.0		6.34		TAS		58.8	1.06	m_e	mb 5.7
KAST	66.70		P	02:53:28.258	-0.2	21.0		6.34		TAS		47.2	1.20	m_e	mb 5.6
MOX	66.51		P	02:53:26.977	0.2	21.0		6.34		TAS		38.0	1.24	m_e	mb 5.5
MOX	66.51		L	03:24:46.733						T__		228.5	19.00	a_e	Ms 4.4
PLN	66.53		P	02:53:27.220	0.2	21.0		6.34		TAS		16.9	1.17	m_e	mb 5.2
RETH	65.05		P	02:53:17.692	-0.2	21.0		6.34		TAS		82.2	1.26	m_e	mb 5.8
RUE	64.30		P	02:53:12.697	0.1	21.0		6.34		TAS		48.8	1.11	m_e	mb 5.6
TANN	66.52		P	02:53:27.234	0.2	21.0		6.34		TAS		43.9	1.37	m_e	mb 5.5
TNS	67.61		P	02:53:34.022	0.4	21.0		6.34		TAS		40.8	1.06	m_e	mb 5.6
UBR	69.63		P	02:53:46.381		21.0		6.34		TAS		24.0	1.01	m_e	mb 5.3
WET	67.60		P	02:53:34.342	0.2	21.0		6.34		TAS		41.8	1.16	m_e	mb 5.6

Event 11028001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/28	19:07:09.13			55.0900	-158.8500				37.0			18		70.85	76.12	m i ke	EMSC
	11028037																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	11028007
Ms	4.4		BGR	11028007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.67		P	19:18:22.206	0.3	355.0		5.91		TAS		26.9	1.10	m_e	mb 5.3
BRG	74.10		P	19:18:30.605	-0.1	355.0		5.91		TAS		40.1	1.08	m_e	mb 5.4
BSEG	70.85		P	19:18:11.530	0.0	355.0		5.91		TAS		63.5	1.21	m_e	mb 5.6
BUG	73.08		P	19:18:24.520	-0.3	355.0		5.91		TAS		30.6	1.41	m_e	mb 5.2
CLL	73.62		P	19:18:27.469	-0.0	355.0		5.91		TAS		27.2	0.95	m_e	mb 5.3
FLT1	72.50		P	19:18:20.795	-0.1	355.0		5.91		TAS		34.4	1.05	m_e	mb 5.4
GEC2	76.12		P	19:18:42.363		355.0		5.91		TAS		34.3	1.31	m_e	mb 5.3
GOR1	71.85		P	19:18:17.689	0.3	355.0		5.91		TAS		39.2	1.24	m_e	mb 5.4

GRA1	75.13	P	19:18:36.988	0.1	355.0	5.91	TAS	21.5	0.97	m_e	mb	5.2
GRA1	75.13	L	19:47:57.644				T__	211.6	18.30	a_e	Ms	4.5
GTTG	73.20	P	19:18:25.715	-0.3	355.0	5.91	TAS	55.8	1.11	m_e	mb	5.6
KAST	73.42	P	19:18:26.797	0.0	355.0	5.91	TAS	27.9	1.25	m_e	mb	5.2
MOX	74.20	P	19:18:31.277	0.0	355.0	5.91	TAS	52.9	1.11	m_e	mb	5.5
MOX	74.20	L	19:50:22.304				T__	188.9	21.40	a_e	Ms	4.3
PLN	74.40	P	19:18:32.434	-0.0	355.0	5.91	TAS	7.3	1.05	m_e	mb	4.6
RETH	71.97	P	19:18:18.324	0.1	355.0	5.91	TAS	39.2	1.24	m_e	mb	5.4
RUE	72.50	P	19:18:21.310	0.2	355.0	5.91	TAS	97.8	1.20	m_e	mb	5.8
TNS	74.39	P	19:18:32.546	0.2	355.0	5.91	TAS	15.4	0.88	m_e	mb	5.0
WET	75.77	P	19:18:40.683	-0.1	355.0	5.91	TAS	32.0	1.28	m_e	mb	5.3
WLF	74.73	P	19:18:34.823	0.2	355.0	5.91	TAS	41.9	1.21	m_e	mb	5.3

Event 11029005 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/29	10:53:12.04	1.05	0.60	43.9220	13.0400	14.5	6.7	170	33.0			29	291	3.16	7.92	m i ke	BGR
OrigID 11029011																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		BGR	11029011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	3.76		Pn	10:54:07.693	-0.1					T__				m_e	ML 4.1
BFO	5.49		Pn	10:54:30.181	-1.0					T__				m_e	ML 4.0
BIOA	3.79		Pn	10:54:09.079	0.8					T__				m_e	ML 4.7
BRG	6.98		Pn	10:54:50.656	-0.7					T__				m_e	ML 4.5
CLL	7.39		Pn	10:54:56.861	0.0					T__				m_e	ML 4.7
DAVA	4.03		Pn	10:54:12.052	0.6					T__				m_e	ML 4.3
DPC	6.80		Pn	10:54:48.667	-0.7					T__				m_e	ML 4.9
FETA	3.50		Pn	10:54:04.878	0.6					T__				m_e	ML 4.0
GEC2	4.94		Pn	10:54:23.682	-0.2					T__				m_e	ML 4.3
KAST	7.92		Pn	10:55:04.179	0.1					T__				m_e	
KBA	3.16		Pn	10:54:00.546	0.8					T__				m_e	
LESA	3.51		Pn	10:54:05.181	0.7					T__				m_e	ML 4.4
MOA	4.02		Pn	10:54:12.111	0.8					T__				m_e	ML 4.2
MOTA	3.68		Pn	10:54:07.715	0.9					T__				m_e	
MOX	6.79		Pn	10:54:48.696	-0.1					T__				m_e	ML 4.5
NKC	6.32		Pn	10:54:41.486	-1.0					T__				m_e	ML 4.7
PLN	6.59		Pn	10:54:45.533	-0.6					T__				m_e	ML 4.0
PLONS	4.05		Sn	10:54:56.906	0.1					T__				m_e	
PLONS	4.05		Pn	10:54:12.609	0.9					T__				m_e	ML 3.9
PRU	6.15		Sn	10:55:46.352	-0.4					T__				m_e	
PRU	6.15		Pn	10:54:40.588	0.4					T__				m_e	ML 4.4
RETA	3.90		Pn	10:54:09.837	0.0					T__				m_e	ML 4.2
SLE	4.98		Pn	10:54:23.205	-1.2					T__				m_e	ML 4.8

SQTA	3.54	Pn	10:54:05.506	0.6	T__	m_e	ML	4.5
SULZ	4.99	Pn	10:54:23.937	-0.5	T__	m_e	ML	5.0
TNS	7.03	Pn	10:54:51.669	-0.4	T__	m_e	ML	4.5
TREC	5.63	Pn	10:54:33.094	-0.0	T__	m_e	ML	4.4
UBR	4.28	Pn	10:54:14.833	-0.0	T__	m_e	ML	4.5
WET	5.22	Pn	10:54:26.932	-0.7	T__	m_e	ML	4.3
WILA	4.53	Pn	10:54:18.082	-0.2	T__	m_e	ML	4.4
WTTA	3.48	Pn	10:54:04.709	0.6	T__	m_e	ML	4.5

Event 11031002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/31	12:32:05.10			-21.7900	170.8300				130.0					147.78	147.78	m i ke	EMSC
OrigID 11031034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.78		PKP	12:51:34.647		37.5		1.97		TAS				m_e	

Event 11031003 South of Alaska

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/10/31	16:37:30.97			52.4500	-164.0500				33.0					22	73.39	79.99	m i ke BGR
OrigID 11031009																	

Magnitude Err Nsta Author OrigID

mb 5.2 BGR 11031009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	75.57		P	16:49:12.967	0.2	354.1		5.86		TAS		548.9	19.40	m_e mb	5.3
ASSE	75.57		S	16:58:56.218	4.3	358.2		10.42		TAS				m_e	
BFO	79.25		P	16:49:33.690		354.1		5.86		TAS		477.3	20.47	m_e mb	5.2
BRG	76.90		P	16:49:21.436	0.3	354.1		5.86		TAS		480.8	20.03	m_e mb	5.3
BRG	76.90		S	16:59:01.842	1.4	358.2		10.42		TAS				m_e	
BSEG	73.75		P	16:49:02.206	-0.4	354.1		5.86		TAS		568.8	19.00	m_e mb	5.3
BUG	76.09		P	16:49:15.394	-1.1	354.1		5.86		TAS		171.7	19.66	m_e mb	4.8
BUG	76.09		S	16:58:59.675	3.0	358.2		10.42		TAS				m_e	
CLL	76.45		P	16:49:18.428	0.0	354.1		5.86		TAS		541.5	18.68	m_e mb	5.4
CLL	76.45		S	16:59:05.726	-2.0	358.2		10.42		TAS				m_e	
FLT1	75.39		P	16:49:12.411	-0.0	354.1		5.86		TAS		493.7	19.11	m_e mb	5.3
FLT1	75.39		S	16:58:49.325	5.6	358.2		10.42		TAS				m_e	
FUR	79.55		S	16:59:36.416		358.2		10.42		TAS				m_e	

GEC2	78.93	P	16:49:33.140		354.1	5.86	TAS	486.6	20.98	m_e	mb	5.2
GOR1	74.73	P	16:49:08.569	0.3	354.1	5.86	TAS	558.2	19.91	m_e	mb	5.2
GRA1	78.02	P	16:49:27.817	-0.1	354.1	5.86	TAS	467.6	20.78	m_e	mb	5.2
GRA1	78.02	S	16:59:21.290	1.1	358.2	10.42	TAS			m_e		
GTTG	76.12	P	16:49:16.312	-0.2	354.1	5.86	TAS	561.5	19.24	m_e	mb	5.4
GTTG	76.12	S	16:59:05.294	3.6	358.2	10.42	TAS			m_e		
HLG	73.39	S	16:58:30.287	-3.4	358.2	10.42	TAS			m_e		
IBBN	75.26	P	16:49:10.999	0.3	354.1	5.86	TAS	589.3	19.61	m_e	mb	5.3
IBBN	75.26	S	16:58:51.032	2.4	358.2	10.42	TAS			m_e		
KAST	76.39	P	16:49:16.275	0.2	354.1	5.86	TAS	501.6	19.81	m_e	mb	5.3
KAST	76.39	S	16:59:07.022	-5.5	358.2	10.42	TAS			m_e		
MOX	77.08	P	16:49:22.175	-0.1	354.1	5.86	TAS	487.5	20.03	m_e	mb	5.3
MOX	77.08	S	16:59:07.460	4.1	358.2	10.42	TAS			m_e		
NEUB	76.54	P	16:49:19.118	0.1	354.1	5.86	TAS	489.5	19.45	m_e	mb	5.3
NEUB	76.54	S	16:59:07.460	-2.4	358.2	10.42	TAS			m_e		
PLN	77.26	P	16:49:23.014	0.3	354.1	5.86	TAS	133.1	20.83	m_e	mb	4.7
PLN	77.26	S	16:59:12.646	1.9	358.2	10.42	TAS			m_e		
RETH	74.91	P	16:49:08.569	-0.0	354.1	5.86	TAS	624.1	19.38	m_e	mb	5.3
RETH	74.91	S	16:58:43.707	-2.5	358.2	10.42	TAS			m_e		
RUE	75.30	P	16:49:11.980	-0.1	354.1	5.86	TAS	573.2	19.70	m_e	mb	5.3
RUE	75.30	S	16:58:49.735	0.0	358.2	10.42	TAS			m_e		
STU	78.86	P	16:49:31.722		354.1	5.86	TAS	1077.3	20.29	m_e	mb	5.5
STU	78.86	S	16:59:29.069		358.2	10.42	TAS			m_e		
TANN	77.33	S	16:59:16.104	-7.9	358.2	10.42	TAS			m_e		
TNS	77.37	P	16:49:23.417	0.6	354.1	5.86	TAS	505.5	19.80	m_e	mb	5.3
TNS	77.37	S	16:59:10.511	-5.2	358.2	10.42	TAS			m_e		
UBR	79.99	S	16:59:42.467		358.2	10.42	TAS			m_e		
WET	78.61	P	16:49:31.337	-0.3	354.1	5.86	TAS	491.4	20.09	m_e	mb	5.2
WET	78.61	S	16:59:17.400	2.5	358.2	10.42	TAS			m_e		
WLF	77.79	P	16:49:25.600	-0.2	354.1	5.86	TAS	538.3	19.72	m_e	mb	5.3
WLF	77.79	S	16:59:12.240	0.7	358.2	10.42	TAS			m_e		

Event 11031005 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
2021/10/31	21:14:47.40			36.6150	141.3280				55.9	3.0		34		80.12	86.59	m i ke	EMSC
OrigID 11031037																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	11031011
MBB	6.0		BGR	11031011
Ms	4.3		BGR	11031011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	81.59		P	21:26:58.224		38.2		5.15		TAS		43.2	1.01	m_e	mb	5.5
BALST	86.59		P	21:27:23.449	0.1	38.2		5.15		TAS		37.3	0.86	m_e	MBB	5.7

BFO	85.53	P	21:27:18.553	0.3	38.2	5.15	TAS	84.3	0.89	m_e	MBB	6.0
BRG	81.28	P	21:26:56.814	-0.2	38.2	5.15	TAS	62.7	1.01	m_e	mb	5.6
BRG	81.28	pP	21:27:12.187				T__			m_e		
BSEG	80.30	P	21:26:51.865		38.2	5.15	TAS	106.9	0.98	m_e	MBB	5.9
BUG	83.41	P	21:27:07.630	0.1	38.2	5.15	TAS	15.4	0.77	m_e	mb	5.3
CKRC	82.70	pP	21:27:18.317				T__			m_e		
CLL	81.33	P	21:26:56.675	0.2	38.2	5.15	TAS	111.0	0.84	m_e	MBB	6.0
DPC	80.68	P	21:26:54.099	0.1	38.2	5.15	TAS	86.7	0.74	m_e	MBB	6.1
FLT1	81.22	P	21:26:56.064		38.2	5.15	TAS	72.7	0.72	m_e	MBB	6.0
FUR	84.48	P	21:27:13.454	-0.1	38.2	5.15	TAS	128.9	0.77	m_e	MBB	6.4
GEC2	82.94	P	21:27:05.052	0.0	38.2	5.15	TAS	50.4	1.16	m_e	mb	5.6
GOR1	80.68	P	21:26:53.914		38.2	5.15	TAS	92.7	1.10	m_e	mb	5.7
GOR1	80.68	pP	21:27:09.703				T__			m_e		
GRA1	83.30	P	21:27:07.774	0.2	38.2	5.15	TAS	137.6	0.84	m_e	mb	6.2
GRA1	83.30	L	22:05:51.733				T__	149.1	21.40	a_e	Ms	4.3
GTTG	82.32	P	21:27:02.419	0.1	38.2	5.15	TAS	71.8	0.88	m_e	MBB	6.0
IBBN	82.53	P	21:27:03.393	0.2	38.2	5.15	TAS	114.2	0.84	m_e	mb	6.1
IBBN	82.53	pP	21:27:18.828				T__			m_e		
KAST	83.18	P	21:27:06.729	0.2	38.2	5.15	TAS	31.3	0.84	m_e	mb	5.6
KAST	83.18	pP	21:27:23.256				T__			m_e		
KHC	82.77	P	21:27:04.916	0.1	38.2	5.15	TAS	31.9	1.06	m_e	mb	5.5
MORC	80.58	P	21:26:53.298	0.1	38.2	5.15	TAS	256.3	1.02	m_e	MBB	6.3
MOX	82.39	P	21:27:02.687	0.0	38.2	5.15	TAS	31.6	0.78	m_e	MBB	5.7
MOX	82.39	L	22:08:04.375				T__	142.1	18.40	a_e	Ms	4.4
NEUB	81.90	P	21:27:00.110	-0.4	38.2	5.15	TAS	132.7	0.92	m_e	MBB	6.2
OKC	80.28	P	21:26:51.358	0.1	38.2	5.15	TAS	20.6	0.97	m_e	MBB	5.2
PLN	82.30	P	21:27:02.086	-0.4	38.2	5.15	TAS	8.3	0.76	m_e	mb	4.9
PLONS	86.14	P	21:27:21.501	0.1	38.2	5.15	TAS	41.0	1.16	m_e	mb	5.5
PRU	81.71	P	21:26:59.318	0.1	38.2	5.15	TAS	23.4	0.84	m_e	MBB	5.5
PVCC	81.29	pP	21:27:13.184				T__			m_e		
RETH	81.60	P	21:26:58.469		38.2	5.15	TAS	70.8	0.98	m_e	MBB	6.1
RUE	80.12	P	21:26:50.606		38.2	5.15	TAS	160.6	1.27	m_e	MBB	5.8
RUE	80.12	pP	21:27:06.139				T__			m_e		
SLE	85.93	P	21:27:19.759	0.1	38.2	5.15	TAS	237.0	1.57	m_e	mb	6.1
STU	84.84	P	21:27:15.121	0.6	38.2	5.15	TAS	262.6	0.97	m_e	MBB	6.5
SULZ	86.27	P	21:27:21.963	0.1	38.2	5.15	TAS	357.7	1.07	m_e	MBB	6.6
TANN	82.24	P	21:27:01.696	-0.2	38.2	5.15	TAS	19.6	0.84	m_e	MBB	5.5
TNS	83.96	P	21:27:10.153	0.1	38.2	5.15	TAS	27.1	0.77	m_e	mb	5.5
TNS	83.96	pP	21:27:26.584				T__			m_e		
WET	83.05	P	21:27:06.171	-0.0	38.2	5.15	TAS	42.0	1.07	m_e	mb	5.6
WILA	86.04	P	21:27:19.964	0.1	38.2	5.15	TAS	14.2	0.89	m_e	mb	5.1
WLF	85.27	P	21:27:17.293	0.1	38.2	5.15	TAS	115.0	1.62	m_e	mb	5.8