

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

(produced by SZO/BGR - HANNOVER)

May 2020 UPDATED 14.January 2022

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

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
501002	2020/05/01	07:04:48.73			54.5600	161.9700				33.0			27	68.11	74.98	m i ke	BGR	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	501008
Ms	4.1		BGR	501008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.91		P	07:16:03.423	0.1	17.5		6.00		TAS		52.0	1.13	a_e mb	5.6
BFO	74.98		P	07:16:27.323	-0.5	17.5		6.00		TAS		40.0	0.84	a_e mb	5.5
BRG	71.47		P	07:16:06.473	-0.2	17.5		6.00		TAS		32.5	0.87	a_e mb	5.5
BSEG	69.24		P	07:15:53.373	0.0	17.5		6.00		TAS		28.0	0.85	a_e mb	5.5
BUG	72.15		P	07:16:10.673	-0.1	17.5		6.00		TAS		60.3	0.88	a_e mb	5.7
CLL	71.25		P	07:16:05.023	-0.3	17.5		6.00		TAS		86.7	0.92	m_e mb	5.9
CLZ	71.23		P	07:16:05.773	0.4	17.5		6.00		TAS		77.5	0.86	a_e mb	5.9
FLT1	70.61		P	07:16:01.023	-0.6	17.5		6.00		TAS		36.7	0.88	a_e mb	5.5
FUR	74.58		P	07:16:25.323	-0.1	17.5		6.00		TAS		50.7	0.95	a_e mb	5.5
GEC2	73.44		P	07:16:18.523	0.1	17.5		6.00		TAS		28.5	0.82	a_e mb	5.3
GOR1	69.97		P	07:15:58.023	0.3	17.5		6.00		TAS		61.6	1.07	a_e mb	5.7
GRA1	73.13		P	07:16:17.123	0.4	17.5		6.00		TAS		110.8	0.78	a_e mb	6.0
GRA1	73.13		L	07:49:56.034						T__		88.0	21.80	a_e Ms	4.0
GTTG	71.59		P	07:16:07.673	0.2	17.5		6.00		TAS		36.1	0.81	a_e mb	5.5
IBBN	71.24		P	07:16:05.423	0.1	17.5		6.00		TAS		83.4	0.90	a_e mb	5.9
KAST	72.19		P	07:16:11.223	0.2	17.5		6.00		TAS		37.7	0.91	a_e mb	5.5
MOX	72.15		P	07:16:10.873	0.1	17.5		6.00		TAS		59.9	0.89	a_e mb	5.7
MOX	72.15		L	07:51:20.482						T__		126.0	20.40	a_e Ms	4.2
NEUB	71.59		P	07:16:07.172	-0.3	17.5		6.00		TAS		60.2	0.82	m_e mb	5.8
PLN	72.19		P	07:16:11.223	0.2	17.5		6.00		TAS		15.6	0.78	a_e mb	5.2

RETH	70.56	P	07:16:01.273	0.1	17.5	6.00	TAS	27.4	0.86	a_e	mb	5.4
RGN	68.11	P	07:15:46.373	-0.2	17.5	6.00	TAS	146.7	0.75	a_e	mb	6.3
RUE	69.98	P	07:15:57.673	-0.1	17.5	6.00	TAS	99.3	0.80	a_e	mb	6.0
STU	74.39	P	07:16:24.023	-0.3	17.5	6.00	TAS	89.2	0.86	a_e	mb	5.8
TANN	72.20	P	07:16:11.323	0.2	17.5	6.00	TAS	24.7	0.92	a_e	mb	5.3
TNS	73.13	P	07:16:16.773	0.1	17.5	6.00	TAS	37.8	0.77	a_e	mb	5.6
UBBA	72.28	P	07:16:11.360	-0.3	17.5	6.00	TAS	21.1	0.69	m_e	mb	5.4
WET	73.33	P	07:16:18.273	0.5	17.5	6.00	TAS	46.2	0.90	a_e	mb	5.6
WLF	74.05	P	07:16:22.230	0.1	17.5	6.00	TAS	26.8	0.98	m_e	mb	5.2

Event 502002 Puerto Rico region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/02	11:13:22.89			17.9900	-66.6200				33.0			26		65.38	70.35	m i ke	BGR
	502008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	502008
Ms	4.8		BGR	502008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	68.22		P	11:24:20.974	0.3	272.3		6.28		TAS		46.1	1.03	a_e	mb	5.7
BFO	66.82		P	11:24:11.624	-0.0	272.3		6.28		TAS		13.1	0.96	a_e	mb	5.1
BRG	70.33		P	11:24:33.674	-0.3	272.3		6.28		TAS		28.0	0.97	a_e	mb	5.4
BSEG	67.97		P	11:24:19.074	0.1	272.3		6.28		TAS		8.0	0.95	a_e	mb	4.9
BUG	66.12		P	11:24:07.174	-0.3	272.3		6.28		TAS		28.1	1.06	a_e	mb	5.4
CLL	69.71		P	11:24:29.774	-0.3	272.3		6.28		TAS		22.2	0.97	a_e	mb	5.3
CLZ	68.05		P	11:24:19.624	0.0	272.3		6.28		TAS		28.1	0.92	a_e	mb	5.5
FLT1	68.56		P	11:24:22.424	-0.4	272.3		6.28		TAS		26.1	0.97	a_e	mb	5.4
FUR	68.79		P	11:24:24.174	0.1	272.3		6.28		TAS		30.0	0.86	a_e	mb	5.5
GEC2	70.35		P	11:24:33.774	-0.1	272.3		6.28		TAS		24.1	1.25	a_e	mb	5.2
GOR1	68.58		P	11:24:22.874	-0.1	272.3		6.28		TAS		52.3	1.43	a_e	mb	5.6
GRA1	68.67		P	11:24:23.474	0.0	272.3		6.28		TAS		37.9	1.30	a_e	mb	5.5
GRA1	68.67		L	11:47:39.154						T__		473.4	21.20	a_e	Ms	4.7
GTTG	67.80		P	11:24:18.124	0.1	272.3		6.28		TAS		22.0	1.02	a_e	mb	5.3
IBBN	66.43		P	11:24:09.324	-0.1	272.3		6.28		TAS		48.6	0.94	a_e	mb	5.7
KAST	66.83		P	11:24:11.724	-0.2	272.3		6.28		TAS		22.4	0.97	a_e	mb	5.4
MOX	68.87		P	11:24:26.624	1.9	272.3		6.28		TAS		12.2	1.18	a_e	mb	5.0
MOX	68.87		L	11:49:19.823						T__		741.3	21.00	a_e	Ms	4.9
NEUB	68.94		P	11:24:25.074	-0.2	272.3		6.28		TAS		32.9	0.82	a_e	mb	5.6
PLN	69.22		P	11:24:26.724	-0.3	272.3		6.28		TAS		6.7	1.06	a_e	mb	4.8
RETH	67.41		P	11:24:15.924	0.4	272.3		6.28		TAS		40.7	1.27	m_e	mb	5.5
RUE	70.11		P	11:24:32.274	-0.3	272.3		6.28		TAS		25.7	0.64	a_e	mb	5.5
STU	67.38		P	11:24:14.974	-0.3	272.3		6.28		TAS		65.8	0.93	a_e	mb	5.8
TANN	69.42		P	11:24:28.124	-0.1	272.3		6.28		TAS		26.6	1.11	a_e	mb	5.4
TNS	66.86		P	11:24:12.224	0.1	272.3		6.28		TAS		60.3	1.18	a_e	mb	5.7

UBBA	67.84	P	11:24:18.374	0.1	272.3	6.28	TAS	46.0	1.72	a_e	mb	5.4
WET	69.78	P	11:24:30.374	-0.0	272.3	6.28	TAS	16.3	0.95	a_e	mb	5.1
WLF	65.38	P	11:24:02.624	-0.1	272.3	6.28	TAS	69.6	1.27	a_e	mb	5.7

Event 502003 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/02	12:51:06.90	1.70	3.64	34.2240	25.7610	110.1	95.6	117	18.0			27	344	17.13	22.51	m i ke	KAN
OrigID 502024																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	502009
MBB	6.8		BGR	502009
Ms	6.6		BGR	502009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	20.92	P		12:55:47.072	-0.8	139.9		11.06		TAS		1197.3	1.30	m_e	mb	6.1
BFO	19.17	P		12:55:28.982	1.7	139.9		11.06		TAS		6994.2	2.21	m_e	mb	6.5
BRG	18.73	P		12:55:22.803	0.0	139.9		11.06		TAS		211.7	1.00	m_e	mb	5.3
BSEG	22.51	P		12:56:03.008	-1.6	139.9		11.06		TAS		704.9	1.01	m_e	mb	6.1
BUG	21.79	P		12:55:57.177	-0.6	139.9		11.06		TAS		2584.8	1.22	m_e	mb	6.5
CLL	19.42	P		12:55:31.328	0.7	139.9		11.06		TAS		1399.9	1.41	m_e	mb	6.0
CLZ	20.81	P		12:55:45.682	-1.1	139.9		11.06		TAS		792.7	1.10	m_e	mb	6.0
FLT1	20.88	P		12:55:45.925	-1.1	139.9		11.06		TAS		2690.9	1.45	m_e	mb	6.4
FUR	17.64	P		12:55:11.314	-0.2	139.9		11.06		TAS		10808.4	1.54	m_e	mb	6.7
GEC2	17.13	P		12:55:03.784	-2.4	139.9		11.06		TAS		571.3	0.97	a_e	MBB	6.5
GOR1	21.40	P		12:55:51.784	-0.6	139.9		11.06		TAS		2934.3	1.61	a_e	MBB	6.8
GRA1	18.80	P		12:55:26.881	2.1	139.9		11.06		TAS		2293.7	1.12	m_e	mb	6.3
GRA1	18.80	L		13:04:27.505						T__		273576.0	18.60	a_e	Ms	6.6
GTTG	20.74	P		12:55:46.005	-0.1	139.9		11.06		TAS		4521.0	1.01	m_e	mb	6.8
IBBN	22.21	P		12:56:01.500	-1.0	139.9		11.06		TAS		2011.5	1.36	m_e	mb	6.4
KAST	21.12	P		12:55:49.312	-1.1	139.9		11.06		TAS		1979.0	1.12	m_e	mb	6.3
MOX	19.39	P		12:55:31.087	0.0	139.9		11.06		TAS		493.2	1.00	m_e	mb	5.7
MOX	19.39	L		13:04:48.297						T__		269568.0	19.80	a_e	Ms	6.6
NEUB	19.77	P		12:55:35.839	0.8	139.9		11.06		TAS		1210.8	1.01	m_e	mb	6.1
PLN	19.05	P		12:55:27.177	-0.1	139.9		11.06		TAS		186.3	1.02	m_e	mb	5.3
RETH	21.90	P		12:55:57.485	-1.3	139.9		11.06		TAS		4206.7	1.33	m_e	mb	6.7
RGN	22.10	P		12:55:58.583	3.5	139.9		11.06		TAS		857.1	1.03	m_e	MBB	6.7
RUE	20.16	P		12:55:39.777	2.3	139.9		11.06		TAS		4369.5	1.68	m_e	mb	6.4
STU	19.04	P		12:55:27.610	0.9	139.9		11.06		TAS		1979.7	0.92	m_e	mb	6.3
TANN	18.88	P		12:55:25.089	-0.2	139.9		11.06		TAS		2728.6	1.51	m_e	mb	6.3
TNS	20.41	P		12:55:41.995	-0.2	139.9		11.06		TAS		3396.5	1.55	m_e	mb	6.3
UBBA	20.17	P		12:55:39.841	-0.1	139.9		11.06		TAS		1578.0	1.53	m_e	mb	6.0
WET	17.70	P		12:55:10.756	-1.7	139.9		11.06		TAS		2952.2	1.54	m_e	mb	6.2
WLF	21.13	P		12:55:51.242	2.3	139.9		11.06		TAS		1808.0	1.04	m_e	mb	6.3

Event 503001 Southern Peru
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/03 00:44:27.70 -15.4600 -70.5100 210.0 96.44 96.44 m i ke EMSC
 503033

Magnitude Err Nsta Author OrigID
 mb 5.7 BGR 503007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 96.44 P 00:57:31.927 253.8 5.38 TAS 25.8 1.11 m_e mb 5.7

Event 503002 Taiwan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/03 03:24:40.20 23.1900 121.6900 40.0 84.86 84.86 m i ke EMSC
 503034

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 503008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 84.86 P 03:37:09.650 59.9 4.83 TAS 32.6 1.09 m_e mb 5.5

Event 503004 Northwest of Ryukyu Islands, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/03 11:54:25.40 31.3500 128.8400 10.0 82.10 82.10 m i ke EMSC
 503036

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 503010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 82.10 P 12:06:47.018 49.9 4.96 TAS 71.8 1.65 m_e mb 5.5

Event 503007 Kenya

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/03	19:36:55.50			2.8100	36.1000				10.0					51.30	51.30	m i ke	EMSC
OrigID 503039																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	503013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	51.30		P	19:45:58.875		147.4		6.59		TAS		17.1	0.95	m_e mb	5.0

Event 504005 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/04	13:07:51.05			36.1780	140.9290				33.0				26	80.34	85.76	m i ke	BGR
OrigID 504011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	504011
Ms	5.2		BGR	504011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.83		P	13:20:05.694	-0.1	38.7		5.14		TAS		39.5	1.42	a_e mb	5.3
BFO	85.76		P	13:20:25.544	-0.5	38.7		5.14		TAS		49.1	1.07	a_e mb	5.6
BRG	81.49		P	13:20:03.944	-0.1	38.7		5.14		TAS		21.6	0.87	a_e mb	5.3
BSEG	80.54		P	13:19:59.194	0.1	38.7		5.14		TAS		36.7	1.21	a_e mb	5.3
BUG	83.65		P	13:20:14.794	-0.3	38.7		5.14		TAS		18.2	0.90	a_e mb	5.3
CLL	81.55		P	13:20:03.944	-0.4	38.7		5.14		TAS		45.9	0.89	m_e mb	5.6
CLZ	82.17		P	13:20:07.844	0.3	38.7		5.14		TAS		80.5	1.33	a_e mb	5.7
FLT1	81.45		P	13:20:03.244	-0.6	38.7		5.14		TAS		37.6	0.80	a_e mb	5.6
FUR	84.69		P	13:20:20.494	0.0	38.7		5.14		TAS		50.7	0.83	a_e mb	5.8
GEC2	83.14		P	13:20:12.344	-0.2	38.7		5.14		TAS		26.4	1.28	a_e mb	5.3
GOR1	80.91		P	13:20:01.344	0.3	38.7		5.14		TAS		100.7	1.42	a_e mb	5.7
GRA1	83.52		P	13:20:14.944	0.5	38.7		5.14		TAS		37.1	0.88	a_e mb	5.6
GRA1	83.52		L	14:01:32.053						T__		1142.2	19.30	a_e Ms	5.3
GTTG	82.56		P	13:20:09.694	0.2	38.7		5.14		TAS		40.4	0.97	a_e mb	5.6
IBBN	82.77		P	13:20:10.494	-0.1	38.7		5.14		TAS		40.8	0.74	a_e mb	5.7
KAST	83.42		P	13:20:13.894	-0.0	38.7		5.14		TAS		20.7	1.24	a_e mb	5.2
MOX	82.61		P	13:20:09.944	0.1	38.7		5.14		TAS		52.6	1.51	a_e mb	5.5
MOX	82.61		L	14:00:52.666						T__		876.9	20.50	a_e Ms	5.1
NEUB	82.13		P	13:20:07.144	-0.2	38.7		5.14		TAS		60.9	1.03	a_e mb	5.7
PLN	82.52		P	13:20:09.444	0.1	38.7		5.14		TAS		15.5	1.49	a_e mb	5.0
RETH	81.84		P	13:20:05.794	0.0	38.7		5.14		TAS		127.2	1.85	a_e mb	5.7
RUE	80.34		P	13:19:58.094	-0.0	38.7		5.14		TAS		133.5	1.55	a_e mb	5.6
STU	85.06		P	13:20:22.244	-0.2	38.7		5.14		TAS		179.4	1.15	a_e mb	6.2
TANN	82.45		P	13:20:08.994	0.0	38.7		5.14		TAS		17.1	1.12	a_e mb	5.2

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	113.06		Pdiff	14:08:27.330	-0.2	72.3		4.58		TAS				m_e		
BFO	115.78		Pdiff	14:08:39.470		72.3		4.58		TAS				m_e		
BRG	111.51		Pdiff	14:08:20.522	-0.2	72.3		4.58		TAS				m_e		
BSEG	112.64		Pdiff	14:08:25.935	0.5	72.3		4.58		TAS				m_e		
BUG	115.28		Pdiff	14:08:38.368		72.3		4.58		TAS				m_e		
CLL	111.95		Pdiff	14:08:22.345	-0.2	72.3		4.58		TAS				m_e		
CLZ	113.34		Pdiff	14:08:28.828	0.5	72.3		4.58		TAS				m_e		
FLT1	112.67		Pdiff	14:08:25.582	-0.4	72.3		4.58		TAS				m_e		
GEC2	112.23		Pdiff	14:08:23.495	0.0	72.3		4.58		TAS				m_e		
GOR1	112.41		Pdiff	14:08:24.897	0.2	72.3		4.58		TAS				m_e		
GRA1	113.53		Pdiff	14:08:30.200	-0.2	72.3		4.58		TAS				m_e		
GTTG	113.68		Pdiff	14:08:30.877	0.5	72.3		4.58		TAS				m_e		
IBBN	114.67		Pdiff	14:08:35.555	0.4	72.3		4.58		TAS				m_e		
KAST	114.71		Pdiff	14:08:35.389	-0.5	72.3		4.58		TAS				m_e		
MOX	112.99		Pdiff	14:08:27.058	-0.4	72.3		4.58		TAS				m_e		
NEUB	112.72		Pdiff	14:08:25.989	-0.2	72.3		4.58		TAS				m_e		
PLN	112.71		Pdiff	14:08:25.575	-0.1	72.3		4.58		TAS				m_e		
RETH	113.61		Pdiff	14:08:30.146	0.4	72.3		4.58		TAS				m_e		
RUE	111.15		Pdiff	14:08:19.298	0.1	72.3		4.58		TAS				m_e		
TANN	112.55		Pdiff	14:08:25.388	-0.2	72.3		4.58		TAS				m_e		
TNS	115.04		Pdiff	14:08:36.311		72.3		4.58		TAS				m_e		
UBBA	113.90		Pdiff	14:08:31.998	0.1	72.3		4.58		TAS				m_e		
WET	112.66		Pdiff	14:08:26.143	-0.4	72.3		4.58		TAS				m_e		

Event 507002 Northern Peru
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/07 00:49:11.60 -5.7150 -76.6770 32.0 30 89.71 95.68 m i ke NEIC
 507041

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 507008
 Ms 4.8 BGR 507008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	95.68		P	01:02:33.496		264.7		4.73		TAS		9.6	1.29	m_e mb	5.2	
ASSE	92.86		P	01:02:21.247	0.3	264.7		4.73		TAS		32.5	1.53	m_e mb	5.5	
BFO	90.94		P	01:02:11.242	-0.5	264.7		4.73		TAS		8.8	1.11	m_e mb	5.0	
BIOA	94.43		P	01:02:27.671		264.7		4.73		TAS		34.7	1.73	m_e mb	5.4	
BRG	94.81		P	01:02:30.111		264.7		4.73		TAS		10.2	1.08	m_e mb	5.2	
BSEG	92.82		P	01:02:21.496	0.1	264.7		4.73		TAS		5.2	1.02	m_e mb	4.9	
BUG	90.68		P	01:02:10.660	-0.3	264.7		4.73		TAS		30.5	1.32	m_e mb	5.5	

CLL	94.24	P	01:02:27.728		264.7	4.73	TAS	17.3	1.37	m_e	mb	5.2
CLZ	92.65	P	01:02:20.377	-0.1	264.7	4.73	TAS	13.9	1.21	m_e	mb	5.3
FLT1	93.23	P	01:02:22.520	0.0	264.7	4.73	TAS	7.1	0.91	m_e	mb	5.1
FUR	92.88	P	01:02:21.514	-0.6	264.7	4.73	TAS	9.3	0.97	m_e	mb	5.2
GEC2	94.54	P	01:02:28.690		264.7	4.73	TAS	4.1	1.15	m_e	mb	4.8
GOR1	93.32	P	01:02:23.994	-0.0	264.7	4.73	TAS	28.5	1.29	m_e	mb	5.5
GRA1	92.98	P	01:02:22.066	0.3	264.7	4.73	TAS	20.7	1.36	m_e	mb	5.4
GRA1	92.98	L	01:45:29.275				T__	389.9	18.00	a_e	Ms	4.9
GTTG	92.37	P	01:02:19.078	0.1	264.7	4.73	TAS	13.3	1.16	m_e	mb	5.2
IBBN	91.10	P	01:02:12.699	-0.4	264.7	4.73	TAS	14.9	1.01	m_e	mb	5.3
KAST	91.36	P	01:02:13.437	-0.7	264.7	4.73	TAS	12.5	1.23	m_e	mb	5.1
MOTA	92.69	P	01:02:19.834	0.1	264.7	4.73	TAS	17.4	1.27	m_e	mb	5.3
MOX	93.32	P	01:02:23.395	0.3	264.7	4.73	TAS	14.5	1.42	m_e	mb	5.2
MOX	93.32	L	01:45:08.538				T__	277.7	19.00	a_e	Ms	4.7
NEUB	93.46	P	01:02:24.406	-0.5	264.7	4.73	TAS	4.8	0.78	m_e	mb	5.0
OBKA	94.98	P	01:02:30.662		264.7	4.73	TAS	6.0	1.10	m_e	mb	4.9
PLN	93.65	P	01:02:24.899	0.1	264.7	4.73	TAS	4.9	1.20	m_e	mb	4.7
RETA	92.47	P	01:02:19.252	0.6	264.7	4.73	TAS	70.1	2.39	m_e	mb	5.6
RETH	92.13	P	01:02:18.283	0.1	264.7	4.73	TAS	32.0	1.41	m_e	mb	5.5
STU	91.57	P	01:02:15.077	0.3	264.7	4.73	TAS	40.8	1.01	m_e	mb	5.7
TANN	93.84	P	01:02:25.768	0.0	264.7	4.73	TAS	15.1	1.15	m_e	mb	5.2
TNS	91.26	P	01:02:13.343	-0.2	264.7	4.73	TAS	20.8	1.23	m_e	mb	5.3
UBBA	92.31	P	01:02:19.181	0.3	264.7	4.73	TAS	10.0	1.56	m_e	mb	4.9
WET	94.02	P	01:02:26.681	-0.6	264.7	4.73	TAS	11.4	1.38	m_e	mb	5.0
WLF	89.71	P	01:02:06.349	0.2	264.7	4.73	TAS	33.0	1.04	m_e	mb	5.5

Event 508001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/08	00:33:35.48			31.4240	142.2520				30.1	3.7		9		85.02	90.44	m i ke	BGR
	508007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	508007
Ms	4.5		BGR	508007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.54		P	00:46:14.126	-0.3	40.1		4.75		TAS		12.1	1.32	m_e	mb	4.9
BFO	90.44		P	00:46:32.465		40.1		4.75		TAS		13.2	1.15	m_e	mb	5.2
BFO	90.44		sP	00:46:45.229						T__				m_e		
BRG	86.15		P	00:46:11.988	-0.2	40.1		4.75		TAS		7.4	1.10	m_e	mb	4.7
BSEG	85.28		P	00:46:08.243	0.4	40.1		4.75		TAS		7.4	0.86	m_e	mb	4.9
BSEG	85.28		sP	00:46:20.610	0.2					T__				m_e		
BUG	88.39		P	00:46:23.269	-0.0	40.1		4.75		TAS		7.6	1.01	m_e	mb	5.0
CLL	86.22		P	00:46:12.672	0.0	40.1		4.75		TAS		13.2	0.97	m_e	mb	5.0
CLZ	86.87		P	00:46:16.187	-0.1	40.1		4.75		TAS		17.8	1.27	m_e	mb	5.0

FLT1	86.16	P	00:46:12.030	-0.2	40.1	4.75	TAS	22.6	1.31	m_e	mb	5.1
FLT1	86.16	sP	00:46:24.525	0.4			T__			m_e		
FUR	89.33	P	00:46:27.603	-0.4	40.1	4.75	TAS	11.5	1.18	m_e	mb	5.0
GEC2	87.76	P	00:46:20.199	0.4	40.1	4.75	TAS	19.8	1.84	m_e	mb	5.1
GEC2	87.76	sP	00:46:32.311				T__			m_e		
GOR1	85.63	P	00:46:10.448	-0.6	40.1	4.75	TAS	50.5	1.59	m_e	mb	5.4
GRA1	88.19	P	00:46:22.550	0.2	40.1	4.75	TAS	45.8	1.92	m_e	mb	5.5
GRA1	88.19	sP	00:46:34.997				T__			m_e		
GRA1	88.19	L	01:38:52.864				T__	171.3	18.30	a_e	Ms	4.5
GTTG	87.26	P	00:46:17.975	0.0	40.1	4.75	TAS	12.7	0.94	m_e	mb	5.0
GTTG	87.26	sP	00:46:30.566				T__			m_e		
IBBN	87.51	P	00:46:19.017	0.1	40.1	4.75	TAS	44.7	1.44	m_e	mb	5.6
IBBN	87.51	sP	00:46:31.549				T__			m_e		
KAST	88.14	P	00:46:22.252	0.1	40.1	4.75	TAS	4.0	0.85	m_e	mb	4.8
MANZ	87.59	P	00:46:19.529	0.0	40.1	4.75	TAS	1.4	1.00	m_e	mb	4.2
MOX	87.29	P	00:46:17.804	0.2	40.1	4.75	TAS	13.7	1.55	m_e	mb	4.8
MOX	87.29	L	01:38:39.983				T__	196.2	18.60	a_e	Ms	4.5
NEUB	86.81	P	00:46:15.324	0.0	40.1	4.75	TAS	20.0	1.24	m_e	mb	5.1
PLN	87.19	P	00:46:17.377	-0.2	40.1	4.75	TAS	5.6	1.77	m_e	mb	4.4
RETH	86.57	P	00:46:14.554	0.2	40.1	4.75	TAS	11.8	1.22	m_e	mb	4.9
RETH	86.57	sP	00:46:27.120				T__			m_e		
ROTZ	87.71	P	00:46:20.051	-0.2	40.1	4.75	TAS	6.8	1.83	m_e	mb	4.7
RUE	85.02	P	00:46:07.711	-0.2	40.1	4.75	TAS	15.4	0.83	m_e	mb	5.3
STU	89.74	P	00:46:31.405	-0.3	40.1	4.75	TAS	30.6	0.83	m_e	mb	5.6
STU	89.74	sP	00:46:42.177				T__			m_e		
TANN	87.12	P	00:46:17.121	0.1	40.1	4.75	TAS	3.6	1.08	m_e	mb	4.4
TNS	88.90	P	00:46:25.777	0.0	40.1	4.75	TAS	6.8	0.90	m_e	mb	4.9
UBBA	87.81	P	00:46:20.199	0.3	40.1	4.75	TAS	7.5	1.33	m_e	mb	4.8
WET	87.89	P	00:46:21.226	0.4	40.1	4.75	TAS	3.9	1.17	m_e	mb	4.6
WLF	90.24	P	00:46:32.003		40.1	4.75	TAS	10.0	1.18	m_e	mb	4.9

Event 508002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/08	03:14:24.80	2.34	0.60	34.1430	25.5930	44.5	38.9	61	21.0			28	347	17.14	22.53	m i ke	NEIC
508041																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	508008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	20.93		P	03:19:05.043	1.4	139.6		10.98		TAS		45.1	1.33	m_e	mb	4.6
BFO	19.15		P	03:18:46.590	0.3	139.6		10.98		TAS		23.7	0.82	m_e	mb	4.5
BRG	18.75		P	03:18:41.575	-0.6	139.6		10.98		TAS		12.5	1.23	m_e	mb	4.0
BSEG	22.53		P	03:19:20.776		139.6		10.98		TAS		42.6	1.48	m_e	mb	4.8
BUG	21.79		P	03:19:14.821	-0.3	139.6		10.98		TAS		76.7	1.10	m_e	mb	5.0

CLL	19.43	P	03:18:48.404	0.9	139.6	10.98	TAS	13.7	0.79	m_e	mb	4.2
CLZ	20.82	P	03:19:03.860	-0.6	139.6	10.98	TAS	24.7	0.91	m_e	mb	4.5
FLT1	20.89	P	03:19:03.957	-0.3	139.6	10.98	TAS	48.0	1.16	m_e	mb	4.7
FUR	17.63	P	03:18:29.836	0.5	139.6	10.98	TAS	253.9	1.38	m_e	mb	5.2
GEC2	17.14	P	03:18:21.218	0.4	139.6	10.98	TAS	13.1	0.77	m_e	mb	4.1
GOR1	21.41	P	03:19:09.599	-0.5	139.6	10.98	TAS	43.4	1.34	m_e	mb	4.6
GRA1	18.80	P	03:18:41.909	-0.5	139.6	10.98	TAS	46.9	0.98	m_e	mb	4.7
GTTG	20.74	P	03:19:03.986	-0.4	139.6	10.98	TAS	153.2	1.00	m_e	mb	5.3
IBBN	22.21	P	03:19:19.288		139.6	10.98	TAS	40.3	1.21	m_e	mb	4.7
KAST	21.12	P	03:19:07.735	-0.2	139.6	10.98	TAS	54.1	1.09	m_e	mb	4.8
MANZ	18.68	P	03:18:39.826	1.2	139.6	10.98	TAS	5.4	1.04	m_e	mb	3.7
MOX	19.39	P	03:18:49.054	0.2	139.6	10.98	TAS	22.6	0.92	m_e	mb	4.4
NEUB	19.78	P	03:18:53.549	-0.7	139.6	10.98	TAS	74.9	1.45	m_e	mb	4.7
PLN	19.06	P	03:18:44.833	1.4	139.6	10.98	TAS	7.4	1.17	m_e	mb	3.8
RETH	21.91	P	03:19:15.862	-0.7	139.6	10.98	TAS	67.9	1.19	m_e	mb	5.0
ROTZ	18.46	P	03:18:37.789	-1.1	139.6	10.98	TAS	3.5	1.10	m_e	mb	3.4
RUE	20.18	P	03:18:58.882	-0.2	139.6	10.98	TAS	30.5	0.85	m_e	mb	4.6
STU	19.03	P	03:18:45.180	-0.1	139.6	10.98	TAS	136.2	0.99	m_e	mb	5.1
TANN	18.89	P	03:18:42.504	0.7	139.6	10.98	TAS	27.4	1.06	m_e	mb	4.4
TNS	20.40	P	03:18:59.749	0.3	139.6	10.98	TAS	114.5	1.52	m_e	mb	4.9
UBBA	20.17	P	03:18:56.781	4.0	139.6	10.98	TAS	37.7	1.36	m_e	mb	4.4
WET	17.70	P	03:18:30.749	-0.8	139.6	10.98	TAS	53.6	1.22	m_e	mb	4.5
WLF	21.11	P	03:19:08.090	-0.3	139.6	10.98	TAS	50.2	0.97	m_e	mb	4.8

Event 508004 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/08	05:40:27.20	1.88	0.87	34.1270	25.5590	60.0	35.6	40	21.0			32	348	14.93	22.53	m i ke	NEIC
OrigID 508043																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	15.14	P		05:44:00.812	-2.6	136.4		11.23		TAS		2.6	0.76	m_e	
ASSE	20.94	P		05:45:08.299		136.4		11.23		TAS		6.0	1.06	m_e	3.8
BFO	19.15	P		05:44:49.194	-0.5	136.4		11.23		TAS		6.1	0.96	m_e	3.8
BIOA	16.24	P		05:44:18.181	1.6	136.4		11.23		TAS		10.5	1.40	m_e	
BSEG	22.53	P		05:45:23.879		136.4		11.23		TAS		8.1	1.10	m_e	4.2
CLZ	20.82	P		05:45:06.457	-0.2	136.4		11.23		TAS		7.2	0.98	m_e	4.0
DAVA		P		05:44:33.891	1.0	136.4		11.23		TAS		19.5	1.26	m_e	4.1
FETA	17.07	P		05:44:26.674	0.4	136.4		11.23		TAS		10.5	0.91	m_e	
FLT1	20.90	P		05:45:07.109		136.4		11.23		TAS		24.2	1.35	m_e	4.3
FUR	17.63	P		05:44:32.597	-0.0	136.4		11.23		TAS		22.5	0.92	m_e	4.3
GEC2	17.14	P		05:44:24.898	-1.1	136.4		11.23		TAS		4.9	0.83	m_e	3.7
GOR1	21.42	P		05:45:13.245		136.4		11.23		TAS		24.2	1.63	m_e	4.3
GRA1	18.80	P		05:44:45.967	-0.8	136.4		11.23		TAS		8.3	0.62	m_e	4.1

GTTG	20.74	P	05:45:06.335	-0.8	136.4	11.23	TAS	45.9	1.08	m_e	4.7
KAST	21.12	P	05:45:09.979		136.4	11.23	TAS	15.0	1.27	m_e	4.2
KBA	15.89	P	05:44:13.013	0.0	136.4	11.23	TAS	5.6	0.73	m_e	
LESA	16.45	P	05:44:19.589	0.3	136.4	11.23	TAS	9.4	0.96	m_e	
MANZ	18.68	P	05:44:42.744	0.8	136.4	11.23	TAS	2.0	1.23	m_e	3.2
MOA	16.11	P	05:44:15.841	1.0	136.4	11.23	TAS	5.3	1.05	m_e	
MOTA	17.11	P	05:44:26.856	-0.0	136.4	11.23	TAS	10.3	1.05	m_e	
MOX	19.39	P	05:44:50.378	-0.2	136.4	11.23	TAS	2.9	0.78	m_e	3.6
NEUB	19.78	P	05:44:55.877	0.4	136.4	11.23	TAS	8.1	1.04	m_e	3.9
OBKA	14.93	P	05:44:00.787	-1.3	136.4	11.23	TAS	7.4	1.03	m_e	
RETA	17.38	P	05:44:29.439	-0.4	136.4	11.23	TAS	7.4	0.85	m_e	3.8
RETH	21.91	P	05:45:18.277		136.4	11.23	TAS	28.7	1.32	m_e	4.5
RJOB	16.63	P	05:44:22.636	1.3	136.4	11.23	TAS	5.8	0.94	m_e	3.7
SQTA	16.97	P	05:44:25.345	0.0	136.4	11.23	TAS	11.1	0.92	m_e	
TANN	18.89	P	05:44:45.924	-0.3	136.4	11.23	TAS	8.5	1.02	m_e	3.9
TNS	20.40	P	05:45:03.116	1.4	136.4	11.23	TAS	10.1	0.76	m_e	4.1
UBBA	20.17	P	05:45:00.484	-1.6	136.4	11.23	TAS	4.3	0.68	m_e	3.8
WET	17.70	P	05:44:32.906	0.3	136.4	11.23	TAS	11.5	1.09	m_e	3.9
WTTA		P	05:44:23.772	0.4	136.4	11.23	TAS	32.2	1.26	m_e	

Event 510001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/10	03:35:16.50			44.1900	149.1220				33.0			27		76.53	81.51	m i ke	NEIC
	510040																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	510007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	77.47	P		03:47:06.799	-0.1	29.3		5.81		TAS		4.9	1.04	m_e mb	4.6
BRG	77.53	P		03:47:07.392	0.2	29.3		5.81		TAS		2.7	1.10	m_e mb	4.3
BUG	79.07	P		03:47:16.823	1.1	29.3		5.81		TAS		11.6	1.50	m_e mb	4.7
CLL	77.46	P		03:47:06.292	0.1	29.3		5.81		TAS		6.4	0.94	m_e mb	4.7
CLZ	77.81	P		03:47:09.106	-0.2	29.3		5.81		TAS		4.5	0.95	m_e mb	4.6
DAVA		P		03:47:31.082		29.3		5.81		TAS		10.6	1.50	m_e mb	4.8
FLT1	77.12	P		03:47:04.336	-0.1	29.3		5.81		TAS		6.6	0.99	m_e mb	4.7
FUR	80.74	P		03:47:25.840		29.3		5.81		TAS		6.9	0.89	m_e mb	4.7
GEC2	79.35	P		03:47:17.353	1.1	29.3		5.81		TAS		3.5	1.27	m_e mb	4.2
GOR1	76.53	P		03:47:00.862	-0.3	29.3		5.81		TAS		26.7	1.49	m_e mb	5.2
GRA1	79.43	P		03:47:17.952	-0.5	29.3		5.81		TAS		6.4	1.09	m_e mb	4.5
GTTG	78.19	P		03:47:11.362	0.1	29.3		5.81		TAS		9.8	1.30	m_e mb	4.8
IBBN	78.16	P		03:47:11.057	0.2	29.3		5.81		TAS		7.6	1.01	m_e mb	4.8
KAST	78.95	P		03:47:15.443		29.3		5.81		TAS		5.0	1.11	m_e mb	4.5
KBA	80.99	P		03:47:27.768		29.3		5.81		TAS		4.0	0.90	m_e mb	4.5
MANZ	78.89	P		03:47:15.095	-0.1	29.3		5.81		TAS		1.1	1.28	m_e mb	3.7

MOTA	81.51	P	03:47:29.725		29.3	5.81	TAS	6.6	1.05	m_e	mb	4.7
MOX	78.47	P	03:47:12.665	0.0	29.3	5.81	TAS	7.5	1.31	m_e	mb	4.6
NEUB	77.95	P	03:47:09.696	0.1	29.3	5.81	TAS	8.3	1.00	m_e	mb	4.8
PLN	78.44	P	03:47:12.448	0.4	29.3	5.81	TAS	1.2	1.15	m_e	mb	3.8
RETA	81.50	P	03:47:29.542		29.3	5.81	TAS	5.7	1.40	m_e	mb	4.5
RETH	77.32	P	03:47:06.115	0.2	29.3	5.81	TAS	6.2	1.28	m_e	mb	4.6
RJOB	80.61	P	03:47:25.075		29.3	5.81	TAS	3.8	1.21	m_e	mb	4.3
ROTZ	79.05	P	03:47:15.852	0.2	29.3	5.81	TAS	1.7	1.45	m_e	mb	3.9
TANN	78.40	P	03:47:11.910	0.1	29.3	5.81	TAS	4.7	1.39	m_e	mb	4.3
WET	79.36	P	03:47:17.808	-0.3	29.3	5.81	TAS	5.5	1.09	m_e	mb	4.5
WLF	80.97	P	03:47:28.616		29.3	5.81	TAS	156.9	4.01	m_e	mb	5.4
WTTA		P	03:47:29.104		29.3	5.81	TAS	4.2	0.90	m_e	mb	4.6

Event 510002 Vancouver Island, Canada, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/10	04:46:06.15			49.6200	-128.5250				33.0			25		71.04	77.31	m i ke	BGR
OrigID 510008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	510008
Ms	4.3		BGR	510008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	72.75		P	04:57:30.128	-0.0	334.3		5.78		TAS		42.6	2.08	m_e	mb	5.2
BFO	75.47		P	04:57:45.632		334.3		5.78		TAS		7.7	1.17	m_e	mb	4.7
BRG	74.76		P	04:57:41.844	-0.1	334.3		5.78		TAS		8.8	1.17	m_e	mb	4.7
BSEG	71.04		P	04:57:19.871	-0.1	334.3		5.78		TAS		8.5	1.29	m_e	mb	4.7
CLL	74.12		P	04:57:37.992	0.3	334.3		5.78		TAS		8.4	1.26	m_e	mb	4.6
CLZ	72.93		P	04:57:31.488	-0.1	334.3		5.78		TAS		21.8	1.41	m_e	mb	5.1
FLT1	72.72		P	04:57:29.447	0.3	334.3		5.78		TAS		15.4	1.52	m_e	mb	4.9
FUR	76.49		P	04:57:51.840		334.3		5.78		TAS		4.7	0.69	m_e	mb	4.7
GEC2	76.55		P	04:57:52.074		334.3		5.78		TAS		5.5	1.09	m_e	mb	4.6
GOR1	72.15		P	04:57:26.614	0.1	334.3		5.78		TAS		18.4	1.19	m_e	mb	5.1
GRA1	75.10		P	04:57:43.932	0.0	334.3		5.78		TAS		5.4	0.95	m_e	mb	4.6
GRA1	75.10		L	05:28:17.386						T__		163.9	20.50	a_e	Ms	4.3
GTTG	73.08		P	04:57:32.225	0.0	334.3		5.78		TAS		6.4	0.92	m_e	mb	4.7
IBBN	71.77		P	04:57:24.295	0.1	334.3		5.78		TAS		10.3	1.08	m_e	mb	4.9
KAST	72.94		P	04:57:31.793	0.1	334.3		5.78		TAS		4.9	1.39	m_e	mb	4.5
MANZ	75.08		P	04:57:43.387	0.1	334.3		5.78		TAS		1.4	1.33	m_e	mb	3.8
MOX	74.34		P	04:57:39.308	0.1	334.3		5.78		TAS		10.5	1.29	m_e	mb	4.7
MOX	74.34		L	05:30:02.961						T__		130.6	19.10	a_e	Ms	4.2
NEUB	73.89		P	04:57:36.579	-0.1	334.3		5.78		TAS		5.3	0.80	m_e	mb	4.6
PLN	74.64		P	04:57:40.940	0.1	334.3		5.78		TAS		2.3	1.22	m_e	mb	4.1
RETH	71.85		P	04:57:25.012	-0.5	334.3		5.78		TAS		35.0	1.59	m_e	mb	5.2
RJOB	77.31		P	04:57:56.056		334.3		5.78		TAS		7.1	1.32	m_e	mb	4.6

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ROTZ	75.30	P	04:57:44.952	-0.4	334.3		5.78	TAS		2.7	1.47	m_e	mb	4.1
STU	75.33	P	04:57:45.051		334.3		5.78	TAS		11.4	0.98	m_e	mb	4.9
TANN	74.78	P	04:57:41.620	0.1	334.3		5.78	TAS		8.4	1.49	m_e	mb	4.5
TNS	73.82	P	04:57:36.084	-0.2	334.3		5.78	TAS		4.4	1.09	m_e	mb	4.4
UBBA	73.74	P	04:57:35.774	0.2	334.3		5.78	TAS		2.6	0.99	m_e	mb	4.2
WET	76.05	P	04:57:49.263		334.3		5.78	TAS		4.7	1.22	m_e	mb	4.5

Event 510003 Greenland Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/10	07:16:22.24			77.5000	2.0000				33.0			13		24.98	28.07	m i ke	BGR
	510009																

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	510009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	25.64	P		07:21:50.263	0.5	356.0		9.06		TAS		17.8	1.72	m_e	mb	4.4
BRG	27.07	P		07:22:02.567		356.0		9.06		TAS		4.4	1.13	m_e	mb	4.1
CLL	26.58	P		07:21:57.675		356.0		9.06		TAS		3.5	1.11	m_e	mb	4.0
CLZ	25.91	P		07:21:51.940	-0.6	356.0		9.06		TAS		9.9	1.39	m_e	mb	4.2
FLT1	25.47	P		07:21:47.706	0.4	356.0		9.06		TAS		11.4	1.37	m_e	mb	4.3
KAST	26.47	P		07:21:56.894	0.2	356.0		9.06		TAS		5.5	1.20	m_e	mb	4.2
MOX	27.17	P		07:22:02.886		356.0		9.06		TAS		3.8	0.92	m_e	mb	4.1
NEUB	26.63	P		07:21:58.971		356.0		9.06		TAS		19.0	1.07	m_e	mb	4.8
PLN	27.35	P		07:22:04.613		356.0		9.06		TAS		1.6	1.11	m_e	mb	3.6
RETH	24.98	P		07:21:43.551	0.0	356.0		9.06		TAS		10.5	1.17	m_e	mb	4.5
ROTZ	28.07	P		07:22:11.914		356.0		9.06		TAS		2.5	1.72	m_e	mb	3.8
TNS	27.45	P		07:22:05.706		356.0		9.06		TAS		5.9	1.27	m_e	mb	4.2
UBBA	26.92	P		07:22:01.617		356.0		9.06		TAS		5.5	1.22	m_e	mb	4.2

Event 510004 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/10	08:40:09.22	2.03	0.74	34.3000	26.5700	44.5	36.7	42	10.0			29	346	15.38	22.72	m i ke	BGR
	510010																

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	510010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	15.38	P		08:43:42.526	-2.0					T__		4.7	0.70	m_e		
ASSE	21.16	P		08:44:53.608	-0.3					T__		18.7	1.22	a_e	mb	4.3

BFO	19.53	P	08:44:35.927	0.1	T__	31.8	1.42	m_e	mb	4.3
BRG	18.94	P	08:44:30.481	1.5	T__	3.2	0.82	m_e	mb	3.6
BSEG	22.72	P	08:45:09.583	-0.5	T__	7.6	1.08	m_e	mb	4.2
BUG	22.09	P	08:45:03.658	-0.1	T__	68.4	1.29	a_e	mb	4.9
CLL	19.63	P	08:44:37.853	0.8	T__	7.5	0.86	m_e	mb	3.9
CLZ	21.06	P	08:44:52.506	-0.3	T__	7.2	0.76	m_e	mb	4.1
FLT1	21.11	P	08:44:52.758	-0.6	T__	12.1	0.77	a_e	mb	4.3
FUR	17.95	P	08:44:18.158	1.0	T__	51.1	1.06	m_e	mb	4.6
GEC2	17.39	P	08:44:10.175	-0.0	T__	8.8	0.99	m_e	mb	3.9
GOR1	21.61	P	08:44:58.192	-0.5	T__	15.8	1.21	m_e	mb	4.3
GRA1	19.08	P	08:44:32.719	2.1	T__	20.4	0.92	m_e	mb	4.3
GTTG	21.00	P	08:44:52.458	0.3	T__	45.0	0.90	a_e	mb	4.8
IBBN	22.49	P	08:45:07.858	0.1	T__			a_e		
KAST	21.41	P	08:44:56.408	-0.2	T__	19.4	1.11	a_e	mb	4.3
MANZ	18.93	P	08:44:28.458	-0.4	T__	2.2	0.96	a_e	mb	3.4
MOX	19.64	P	08:44:37.499	0.4	T__	4.5	0.63	m_e	mb	3.9
PLN	19.30	P	08:44:32.558	-0.6	T__	4.1	1.06	a_e	mb	3.6
RETH	22.15	P	08:45:04.608	0.4	T__	22.2	1.01	a_e	mb	4.5
ROTZ	18.72	P	08:44:25.958	-0.4	T__	1.8	1.23	a_e	mb	3.2
SQTA	17.33	P	08:44:09.369	-0.1	T__	34.3	1.10	m_e	mb	4.4
STU	19.38	P	08:44:34.458	0.4	T__	58.2	1.01	a_e	mb	4.8
TANN	19.12	P	08:44:30.858	-0.2	T__	12.6	0.86	a_e	mb	4.2
TNS	20.72	P	08:44:48.560	-0.5	T__	22.7	0.70	m_e	mb	4.6
UBBA	20.44	P	08:44:46.220	0.1	T__	58.0	1.89	m_e	mb	4.5
WET	17.96	P	08:44:17.831	0.6	T__	28.9	1.26	m_e	mb	4.3
WLF	21.48	P	08:44:56.863	-0.4	T__	19.0	0.82	m_e	mb	4.5
WTTA		P	08:44:06.588	-0.6	T__	48.3	0.95	m_e	mb	4.6

Event 510007 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/10	16:49:17.24			40.2560	78.2790				33.0					46.39	46.87	m i ke	BGR
	510013																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	510013
Ms	3.8		BGR	510013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	46.87		P	16:57:43.567		76.9		7.01		TAS		5.8	0.96	m_e	mb 4.7
GRA1	46.87		L	17:18:23.979						T__		110.7	18.70	a_e	Ms 3.9
MOX	46.39		L	17:20:33.529						T__		98.9	18.80	a_e	Ms 3.8

Event	510008	Hindu Kush, Afghanistan, region																	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2020/05/10	17:50:09.25			36.7010	70.5410				206.9					44.02	44.02	m i ke	BGR		
OrigID		510014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	510014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.02		P	17:57:55.309		92.8		7.13		TAS		6.5	1.34	m_e	mb 4.4
GRA1	44.02		pP	17:58:39.767						T__				m_e	

Event	510009	Northern Chile																	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2020/05/10	18:04:22.50			-22.6080	-68.0740				118.0				21	97.37	102.89	m i ke	NEIC		
OrigID		510048																	

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	100.99		SKSac	18:28:31.309	-0.9	243.9		5.04		TAS				a_e	
BFO	98.09		SKSac	18:28:15.959	-0.7	243.9		5.04		TAS				a_e	
BFO	98.09		Pdiff	18:17:45.524		247.3		4.57		TAS				m_e	
BRG	102.43		SKSac	18:28:38.909	0.1	243.9		5.04		TAS				a_e	
BUG	98.78		Pdiff	18:17:48.943	0.2	247.3		4.57		TAS				m_e	
CLL	102.03		SKSac	18:28:36.209	-0.8	243.9		5.04		TAS				a_e	
CLL	102.03		Pdiff	18:18:03.709	0.6	247.3		4.57		TAS				m_e	
CLZ	100.71		SKSac	18:28:31.559	0.8	243.9		5.04		TAS				a_e	
CLZ	100.71		Pdiff	18:17:57.934	-0.1	247.3		4.57		TAS				m_e	
FUR	99.82		SKSac	18:28:24.609	-0.5	243.9		5.04		TAS				m_e	
GEC2	101.57		Pdiff	18:18:01.464		247.3		4.57		TAS				m_e	
GRA1	100.37		SKSac	18:28:28.259	-0.1	243.9		5.04		TAS				a_e	
GRA1	100.37		Pdiff	18:17:56.989		247.3		4.57		TAS				m_e	
GTTG	100.36		SKSac	18:28:29.059	0.1	243.9		5.04		TAS				a_e	
IBBN	99.42		SKSac	18:28:25.409	0.8	243.9		5.04		TAS				a_e	
IBBN	99.42		Pdiff	18:17:51.984	0.1	247.3		4.57		TAS				m_e	
KAST	99.33		SKSac	18:28:24.409	0.6	243.9		5.04		TAS				a_e	
KAST	99.33		Pdiff	18:17:50.408	0.7	247.3		4.57		TAS				m_e	
MANZ	101.02		SKSac	18:28:32.159	0.5	243.9		5.04		TAS				a_e	
MANZ	101.02		Pdiff	18:17:58.926		247.3		4.57		TAS				m_e	
MOX	100.97		SKSac	18:28:32.459	0.8	243.9		5.04		TAS				m_e	
MOX	100.97		Pdiff	18:17:59.147	-0.3	247.3		4.57		TAS				m_e	
PLN	101.23		SKSac	18:28:32.509	-0.3	243.9		5.04		TAS				a_e	
PLN	101.23		Pdiff	18:18:00.670	-0.2	247.3		4.57		TAS				m_e	

RETH	100.49	Pdiff	18:17:57.440	-0.2	247.3	4.57	TAS	m_e
RJOB	100.60	SKSac	18:28:27.755	-1.1	243.9	5.04	TAS	m_e
RJOB	100.60	Pdiff	18:17:57.080		247.3	4.57	TAS	m_e
ROTZ	101.00	SKSac	18:28:32.009	0.6	243.9	5.04	TAS	a_e
ROTZ	101.00	Pdiff	18:17:59.296		247.3	4.57	TAS	m_e
RUE	102.89	SKSac	18:28:39.559	-2.1	243.9	5.04	TAS	a_e
STU	98.79	Pdiff	18:17:49.390		247.3	4.57	TAS	m_e
TANN	101.39	SKSac	18:28:34.309	0.7	243.9	5.04	TAS	a_e
TANN	101.39	Pdiff	18:18:01.112		247.3	4.57	TAS	m_e
TNS	98.95	SKSac	18:28:21.459	-0.1	243.9	5.04	TAS	a_e
TNS	98.95	Pdiff	18:17:49.644		247.3	4.57	TAS	m_e
UBBA	100.09	SKSac	18:28:28.009	0.6	243.9	5.04	TAS	a_e
WET	101.17	SKSac	18:28:34.343	2.2	243.9	5.04	TAS	m_e
WET	101.17	Pdiff	18:17:59.687		247.3	4.57	TAS	m_e
WLF	97.37	SKSac	18:28:12.609	-1.1	243.9	5.04	TAS	a_e
WLF	97.37	Pdiff	18:17:43.180		247.3	4.57	TAS	m_e

Event 511001 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/10	23:58:34.94		36.8500	141.9200				43.5	1.0		27	80.15	85.56	m	i	ke	BGR
OrigID 511007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	511007
Ms	5.8		BGR	511007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.61		S	00:20:58.268	-0.6	37.0		10.18		TAS				a_e	
ASSE	81.61		P	00:10:48.871	-0.1	37.7		5.18		TAS		25.1	1.06	a_e	mb 5.3
ASSE	81.61		sP	00:11:06.737		38.3		5.14		TAS				m_e	
BFO	85.56		S	00:21:37.718		37.0		10.18		TAS				a_e	
BFO	85.56		P	00:11:08.971	-0.5	37.7		5.18		TAS		43.8	0.91	a_e	mb 5.6
BRG	81.32		S	00:20:55.468	-1.3	37.0		10.18		TAS				a_e	
BRG	81.32		P	00:10:47.371	-0.1	37.7		5.18		TAS		27.4	0.93	a_e	mb 5.3
BSEG	80.30		S	00:20:45.668	1.2	37.0		10.18		TAS				a_e	
BSEG	80.30		P	00:10:42.371	0.2	37.7		5.18		TAS		24.9	1.05	a_e	mb 5.1
BUG	83.41		S	00:21:15.968	0.3	37.0		10.18		TAS				a_e	
BUG	83.41		P	00:10:58.021	-0.3	37.7		5.18		TAS		16.3	0.87	a_e	mb 5.3
CLL	81.36		S	00:20:54.518	0.1	37.0		10.18		TAS				a_e	
CLL	81.36		P	00:10:47.321	-0.4	37.7		5.18		TAS		39.0	0.81	a_e	mb 5.5
CLZ	81.95		S	00:21:01.868	0.1	37.0		10.18		TAS				a_e	
CLZ	81.95		P	00:10:51.071	0.3	37.7		5.18		TAS		31.7	0.91	a_e	mb 5.4
FLT1	81.24		S	00:20:53.368	-0.0	37.0		10.18		TAS				a_e	
FLT1	81.24		P	00:10:46.521	-0.5	37.7		5.18		TAS		38.0	0.82	a_e	mb 5.5
FUR	84.52		S	00:21:28.168	-0.6	37.0		10.18		TAS				a_e	

FUR	84.52	P	00:11:04.071	0.0	37.7	5.18	TAS	47.5	0.79	a_e	mb	5.8
GEC2	82.99	S	00:21:13.368	0.1	37.0	10.18	TAS			a_e		
GEC2	82.99	P	00:10:55.821	-0.3	37.7	5.18	TAS	17.4	0.83	m_e	mb	5.3
GOR1	80.69	P	00:10:44.521	0.3	37.7	5.18	TAS	68.2	1.22	a_e	mb	5.5
GRA1	83.33	S	00:21:16.318	0.4	37.0	10.18	TAS			a_e		
GRA1	83.33	P	00:10:58.371	0.5	37.7	5.18	TAS	65.8	0.98	m_e	mb	5.8
GRA1	83.33	sP	00:11:15.657		38.3	5.14	TAS			m_e		
GRA1	83.33	L	00:51:42.395				T__	4203.3	19.30	a_e	Ms	5.8
GTTG	82.34	S	00:21:05.618	0.1	37.0	10.18	TAS			a_e		
GTTG	82.34	P	00:10:52.871	0.1	37.7	5.18	TAS	27.5	0.94	a_e	mb	5.4
HLG	80.96	S	00:20:52.168	-1.0	37.0	10.18	TAS			a_e		
IBBN	82.53	P	00:10:53.721	0.0	37.7	5.18	TAS	48.9	0.93	a_e	mb	5.7
KAST	83.19	S	00:21:14.218	-0.3	37.0	10.18	TAS			m_e		
KAST	83.19	P	00:10:57.171	0.0	37.7	5.18	TAS	16.3	0.95	a_e	mb	5.2
KAST	83.19	sP	00:11:15.033		38.3	5.14	TAS			m_e		
MANZ	82.75	S	00:21:10.468	-0.2	37.0	10.18	TAS			m_e		
MANZ	82.75	P	00:10:54.971	0.1	37.7	5.18	TAS	5.4	0.82	a_e	mb	4.8
MOX	82.42	S	00:21:06.718	0.5	37.0	10.18	TAS			a_e		
MOX	82.42	P	00:10:53.171	-0.0	37.7	5.18	TAS	19.5	0.89	a_e	mb	5.3
MOX	82.42	L	00:51:37.796				T__	3348.6	19.80	a_e	Ms	5.7
NEUB	81.93	S	00:21:01.018	0.2	37.0	10.18	TAS			a_e		
NEUB	81.93	P	00:10:50.471	-0.2	37.7	5.18	TAS	42.9	0.90	a_e	mb	5.6
PLN	82.34	S	00:21:05.768	0.0	37.0	10.18	TAS			a_e		
PLN	82.34	P	00:10:52.771	0.0	37.7	5.18	TAS	5.2	0.91	a_e	mb	4.7
RETH	81.61	P	00:10:49.021	0.1	37.7	5.18	TAS	25.4	0.91	a_e	mb	5.3
RJOB	84.23	S	00:21:25.518	-0.2	37.0	10.18	TAS			a_e		
RJOB	84.23	P	00:11:02.721	0.2	37.7	5.18	TAS	30.0	1.02	m_e	mb	5.5
ROTZ	82.88	S	00:21:12.168	0.8	37.0	10.18	TAS			a_e		
ROTZ	82.88	P	00:10:55.921	0.4	37.7	5.18	TAS	6.8	0.95	a_e	mb	4.8
RUE	80.15	S	00:20:41.868	1.1	37.0	10.18	TAS			a_e		
RUE	80.15	P	00:10:41.321	-0.1	37.7	5.18	TAS	54.7	1.13	a_e	mb	5.4
STU	84.87	S	00:21:31.268	-0.8	37.0	10.18	TAS			a_e		
STU	84.87	P	00:11:05.621	-0.2	37.7	5.18	TAS	101.9	0.90	a_e	mb	6.0
STU	84.87	sP	00:11:23.416		38.3	5.14	TAS			m_e		
TANN	82.27	S	00:21:05.268	0.0	37.0	10.18	TAS			a_e		
TANN	82.27	P	00:10:52.371	-0.0	37.7	5.18	TAS	15.1	1.02	a_e	mb	5.1
TNS	83.97	S	00:21:22.618	0.0	37.0	10.18	TAS			a_e		
TNS	83.97	P	00:11:01.321	0.1	37.7	5.18	TAS	54.0	1.53	a_e	mb	5.5
UBBA	82.91	S	00:21:11.218	0.7	37.0	10.18	TAS			a_e		
UBBA	82.91	P	00:10:55.521	-0.2	37.7	5.18	TAS	110.0	1.93	a_e	mb	5.8
WET	83.09	S	00:21:14.318	0.4	37.0	10.18	TAS			a_e		
WET	83.09	P	00:10:56.871	0.2	37.7	5.18	TAS	25.6	1.06	a_e	mb	5.4
WLF	85.28	S	00:21:34.768		37.0	10.18	TAS			a_e		
WLF	85.28	P	00:11:08.271	0.3	37.7	5.18	TAS	36.7	1.17	a_e	mb	5.5

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/11	01:06:18.70			-6.0660	129.8830				10.0					112.39	112.94	m i ke	NEIC
OrigID 511041																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	511008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	112.94		L	02:15:38.182						T__		621.3	21.10	a_e	Ms 5.2
MOX	112.39		L	02:18:12.911						T__		569.6	21.30	a_e	Ms 5.1

Event 512006 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/12	12:59:37.13			48.2800	147.7200				380.0				23	71.86	77.42	m i ke	BGR
OrigID 512012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	512012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.42		P	13:10:51.746		28.4		5.68		TAS		7.7	0.98	m_e	mb 4.8
BRG	73.46		P	13:10:29.725	-0.2	28.4		5.68		TAS		5.9	0.92	m_e	mb 4.7
BSEG	71.86		P	13:10:20.754	0.1	28.4		5.68		TAS		7.3	0.63	m_e	mb 5.0
BUG	74.93		P	13:10:38.172	-0.3	28.4		5.68		TAS		10.8	0.55	m_e	mb 5.1
CLL	73.37		P	13:10:29.023	0.3	28.4		5.68		TAS		30.2	0.61	m_e	mb 5.6
CLZ	73.69		P	13:10:31.374	0.2	28.4		5.68		TAS		14.7	0.66	m_e	mb 5.2
FLT1	73.01		P	13:10:26.657	0.3	28.4		5.68		TAS		19.4	0.79	m_e	mb 5.3
GEC2	75.29		P	13:10:40.065	0.0	28.4		5.68		TAS		7.0	0.63	m_e	mb 4.8
GRA1	75.34		P	13:10:40.887	0.5	28.4		5.68		TAS		28.6	0.75	m_e	mb 5.4
GTTG	74.08		P	13:10:33.494	0.1	28.4		5.68		TAS		8.6	0.89	m_e	mb 4.8
IBBN	74.02		P	13:10:32.983	-0.6	28.4		5.68		TAS		16.0	0.72	m_e	mb 5.2
KAST	74.83		P	13:10:37.845	-0.2	28.4		5.68		TAS		10.6	0.98	m_e	mb 4.8
MANZ	74.81		P	13:10:37.397	0.1	28.4		5.68		TAS		1.9	0.84	m_e	mb 4.2
MOX	74.38		P	13:10:35.021	-0.1	28.4		5.68		TAS		9.0	0.90	m_e	mb 4.8
NEUB	73.85		P	13:10:31.779	-0.0	28.4		5.68		TAS		22.2	1.13	m_e	mb 5.1
PLN	74.35		P	13:10:34.717	-0.1	28.4		5.68		TAS		3.2	1.04	m_e	mb 4.3
RETH	73.19		P	13:10:28.187	-0.0	28.4		5.68		TAS		20.7	1.17	m_e	mb 5.2
ROTZ	74.97		P	13:10:38.466	0.4	28.4		5.68		TAS		3.2	1.10	m_e	mb 4.3
STU	76.77		P	13:10:48.616	-0.5	28.4		5.68		TAS		22.1	0.69	m_e	mb 5.4
TANN	74.32		P	13:10:34.616	-0.1	28.4		5.68		TAS		3.2	0.70	m_e	mb 4.5
TNS	75.69		P	13:10:42.305	-0.0	28.4		5.68		TAS		10.3	0.72	m_e	mb 5.0
UBBA	74.71		P	13:10:36.677	0.0	28.4		5.68		TAS		6.0	0.71	m_e	mb 4.7
WET	75.30		P	13:10:40.699	-0.1	28.4		5.68		TAS		12.9	0.90	m_e	mb 5.0

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
512007 Nepal	2020/05/12	18:08:38.06			27.6690	86.7130				13.6	2.3		21		58.33	63.51	m i ke	BGR
		512013																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	512013
Ms	3.8		BGR	512013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	62.38		P	18:18:58.734	-0.3	81.3		6.86		TAS		4.2	0.87	m_e mb	4.7
BRG	58.39		P	18:18:31.698	-0.3	81.3		6.86		TAS		9.2	0.88	m_e mb	4.8
BRG	58.39		pP	18:18:35.740	0.4	82.2		6.81		TAS				m_e	
BUG	62.46		P	18:18:59.575		81.3		6.86		TAS		9.1	0.81	m_e mb	5.0
CLL	58.93		P	18:18:34.852	0.1	81.3		6.86		TAS		3.2	0.72	m_e mb	4.4
CLL	58.93		pP	18:18:39.020		82.2		6.81		TAS				m_e	
CLZ	60.48		P	18:18:46.400	-0.0	81.3		6.86		TAS		17.6	0.84	m_e mb	4.9
CLZ	60.48		pP	18:18:50.375		82.2		6.81		TAS				m_e	
FLT1	59.89		P	18:18:41.712		81.3		6.86		TAS		7.0	0.72	m_e mb	4.8
GEC2	58.78		P	18:18:34.283	-0.2	81.3		6.86		TAS		17.8	1.52	m_e mb	4.9
GEC2	58.78		pP	18:18:38.156	0.1	82.2		6.81		TAS				m_e	
GOR1	59.77		P	18:18:41.265		81.3		6.86		TAS		13.5	0.96	m_e mb	5.0
GRA1	60.27		P	18:18:45.524	-0.5	81.3		6.86		TAS		5.1	0.63	m_e mb	4.7
GRA1	60.27		pP	18:18:48.875	-0.2	82.2		6.81		TAS				m_e	
GRA1	60.27		L	18:47:20.501						T__		89.3	18.60	a_e Ms	3.9
GTTG	60.78		P	18:18:48.170	0.3	81.3		6.86		TAS		9.4	0.85	m_e mb	4.6
MANZ	59.66		P	18:18:40.841	0.8	81.3		6.86		TAS		8.3	1.58	m_e mb	4.5
MOX	59.88		P	18:18:42.002	-0.2	81.3		6.86		TAS		8.6	1.01	m_e mb	4.7
MOX	59.88		L	18:47:01.305						T__		52.4	19.60	a_e Ms	3.7
NEUB	59.71		P	18:18:40.633	-0.1	81.3		6.86		TAS		13.2	0.84	m_e mb	5.0
PLN	59.56		P	18:18:39.521	-0.6	81.3		6.86		TAS		1.6	0.77	m_e mb	4.1
PLN	59.56		pP	18:18:43.476		82.2		6.81		TAS				m_e	
RJOB	59.54		P	18:18:39.880	0.3	81.3		6.86		TAS		4.1	0.86	m_e mb	4.5
ROTZ	59.63		P	18:18:40.674	0.3	81.3		6.86		TAS		2.5	0.76	m_e mb	4.3
ROTZ	59.63		pP	18:18:43.818	0.1	82.2		6.81		TAS				m_e	
RUE	58.33		P	18:18:31.260	0.1	81.3		6.86		TAS		25.0	0.78	m_e mb	5.3
TANN	59.38		P	18:18:38.297	-0.0	81.3		6.86		TAS		4.6	0.87	m_e mb	4.5
TANN	59.38		pP	18:18:42.372		82.2		6.81		TAS				m_e	
TNS	61.95		P	18:18:56.120	0.3	81.3		6.86		TAS		9.4	0.74	m_e mb	5.1
WET	59.28		P	18:18:37.780	0.4	81.3		6.86		TAS		7.3	0.91	m_e mb	4.7
WET	59.28		pP	18:18:41.697	0.5	82.2		6.81		TAS				m_e	
WLF	63.51		P	18:19:07.003	-0.2	81.3		6.86		TAS		13.7	0.89	m_e mb	5.2
WLF	63.51		pP	18:19:10.356		82.2		6.81		TAS				m_e	

Event 512008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/12	19:02:42.31			-21.3830	-177.0440				500.0			24		146.94	152.68	m i ke	BGR
	512014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.65		PKPbc	19:21:32.577	0.3	15.7		2.37		TAS					m_e
BFO	152.68		PKPbc	19:21:42.218		15.7		2.37		TAS					m_e
BFO	152.68		PKPab	19:21:53.406		13.9		4.26		TAS					m_e
BRG	149.25		PKPbc	19:21:34.160	-0.1	15.7		2.37		TAS					m_e
BRG	149.25		PKPab	19:21:38.935	-0.1	13.9		4.26		TAS					m_e
BSEG	146.94		PKPbc	19:21:28.447	0.2	15.7		2.37		TAS					m_e
BUG	149.72		PKPbc	19:21:35.240	0.0	15.7		2.37		TAS					m_e
CLL	149.04		PKPbc	19:21:33.415	0.2	15.7		2.37		TAS					m_e
CLL	149.04		PKPab	19:21:37.678	-0.2	13.9		4.26		TAS					m_e
CLZ	148.97		PKPbc	19:21:33.601	-0.1	15.7		2.37		TAS					m_e
FLT1	148.37		PKPbc	19:21:31.459	0.3	15.7		2.37		TAS					m_e
FLT1	148.37		PKPab	19:21:35.307	-0.1	13.9		4.26		TAS					m_e
FUR	152.37		PKPab	19:21:52.532		13.9		4.26		TAS					m_e
GEC2	151.21		PKPbc	19:21:38.353		15.7		2.37		TAS					m_e
GOR1	147.72		PKPbc	19:21:30.246	-0.0	15.7		2.37		TAS					m_e
GRA1	150.92		PKPab	19:21:46.457		13.9		4.26		TAS					m_e
GTTG	149.31		PKPbc	19:21:34.058	-0.2	15.7		2.37		TAS					m_e
GTTG	149.31		PKPab	19:21:39.001	0.3	13.9		4.26		TAS					m_e
IBBN	148.82		PKPbc	19:21:33.468	0.0	15.7		2.37		TAS					m_e
IBBN	148.82		PKPab	19:21:37.191	0.2	13.9		4.26		TAS					m_e
KAST	149.84		PKPbc	19:21:35.286	-0.5	15.7		2.37		TAS					m_e
KAST	149.84		PKPab	19:21:41.436	-0.1	13.9		4.26		TAS					m_e
MANZ	150.47		PKPbc	19:21:37.142	0.1	15.7		2.37		TAS					m_e
MOX	149.93		PKPbc	19:21:35.558	0.1	15.7		2.37		TAS					m_e
NEUB	149.37		PKPbc	19:21:33.974	-0.2	15.7		2.37		TAS					m_e
PLN	149.98		PKPbc	19:21:35.744	0.3	15.7		2.37		TAS					m_e
PLN	149.98		PKPab	19:21:42.398		13.9		4.26		TAS					m_e
RETH	148.23		PKPbc	19:21:31.569	0.1	15.7		2.37		TAS					m_e
RJOB	152.46		PKPab	19:21:53.033		13.9		4.26		TAS					m_e
ROTZ	150.66		PKPbc	19:21:37.328	-0.3	15.7		2.37		TAS					m_e
RUE	147.78		PKPbc	19:21:30.559	-0.4	15.7		2.37		TAS					m_e
RUE	147.78		PKPab	19:21:33.423	-0.2	13.9		4.26		TAS					m_e
TANN	149.99		PKPbc	19:21:35.930	0.0	15.7		2.37		TAS					m_e
TANN	149.99		PKPab	19:21:42.904		13.9		4.26		TAS					m_e
TNS	150.81		PKPbc	19:21:37.869	0.2	15.7		2.37		TAS					m_e
TNS	150.81		PKPab	19:21:45.454		13.9		4.26		TAS					m_e
UBBA	150.02		PKPbc	19:21:35.278	0.2	15.7		2.37		TAS					m_e
UBBA	150.02		PKPab	19:21:42.145		13.9		4.26		TAS					m_e

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WET	151.11	PKPab	19:21:47.106	13.9	4.26	TAS	m_e
WLF	151.57	PKPbc	19:21:40.053	15.7	2.37	TAS	m_e
WLF	151.57	PKPab	19:21:49.556	13.9	4.26	TAS	m_e

Event 512009 Santa Cruz Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/12	22:41:24.96			-10.5830	166.5620				121.5		30		132.72	138.12	m i ke	BGR
OrigID 512015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	134.11		PKPdf	23:00:09.699	0.0	36.4		1.93		TAS					a_e
ASSE	134.11		PKiKP	23:00:20.181	-0.3	31.9		2.02		TAS					m_e
ASSE	134.11		pPKiKP	23:00:53.055		32.8		2.42		TAS					m_e
ASSE	134.11		PP	23:02:58.434	1.4	36.1		6.28		TAS					m_e
ASSE	134.11		SKPbc	23:03:43.095	-0.1	34.9		3.01		TAS					m_e
BFO	138.12		PKPdf	23:00:17.449	0.1	36.4		1.93		TAS					m_e
BFO	138.12		PP	23:03:24.178		36.1		6.28		TAS					m_e
BFO	138.12		SKPbc	23:03:54.842		34.9		3.01		TAS					m_e
BRG	133.92		PKPdf	23:00:09.249	0.0	36.4		1.93		TAS					a_e
BRG	133.92		PKiKP	23:00:19.842	-0.1	31.9		2.02		TAS					m_e
BRG	133.92		pPKiKP	23:00:53.128	0.0	32.8		2.42		TAS					m_e
BRG	133.92		PP	23:02:56.969	0.9	36.1		6.28		TAS					m_e
BRG	133.92		SKPbc	23:03:42.982	-0.3	34.9		3.01		TAS					m_e
BSEG	132.72		PKPdf	23:00:06.899	-0.2	36.4		1.93		TAS					a_e
BSEG	132.72		PKiKP	23:00:17.697	0.2	31.9		2.02		TAS					m_e
BSEG	132.72		PP	23:02:50.855	0.2	36.1		6.28		TAS					m_e
BSEG	132.72		SKPbc	23:03:39.007	0.2	34.9		3.01		TAS					m_e
BUG	135.81		PKPdf	23:00:12.899	-0.2	36.4		1.93		TAS					a_e
BUG	135.81		PP	23:03:10.441		36.1		6.28		TAS					m_e
CLL	133.94		PKPdf	23:00:09.049	-0.2	36.4		1.93		TAS					a_e
CLL	133.94		PKiKP	23:00:19.955	-0.4	31.9		2.02		TAS					m_e
CLL	133.94		pPKiKP	23:00:52.802	0.1	32.8		2.42		TAS					m_e
CLL	133.94		SKPbc	23:03:43.123	-0.6	34.9		3.01		TAS					m_e
CLZ	134.46		PKPdf	23:00:10.649	0.3	36.4		1.93		TAS					a_e
CLZ	134.46		PKiKP	23:00:21.197	0.2	31.9		2.02		TAS					m_e
CLZ	134.46		PP	23:03:02.362	-0.1	36.1		6.28		TAS					m_e
CLZ	134.46		SKPbc	23:03:44.578	0.4	34.9		3.01		TAS					m_e
FLT1	133.75		PKPdf	23:00:08.749	-0.2	36.4		1.93		TAS					a_e
FLT1	133.75		PKiKP	23:00:19.052	-0.5	31.9		2.02		TAS					m_e
FLT1	133.75		SKPbc	23:03:42.576	-0.0	34.9		3.01		TAS					m_e
FUR	137.12		PKPdf	23:00:14.799	-0.6	36.4		1.93		TAS					a_e
FUR	137.12		PP	23:03:17.860		36.1		6.28		TAS					m_e
FUR	137.12		SKPbc	23:03:52.909		34.9		3.01		TAS					m_e

GEC2	135.59	PKPdf	23:00:12.449	-0.1	36.4	1.93	TAS	a_e
GEC2	135.59	PKiKP	23:00:24.584	-0.5	31.9	2.02	TAS	m_e
GEC2	135.59	SKPbc	23:03:47.672	0.3	34.9	3.01	TAS	m_e
GOR1	133.18	PKPdf	23:00:08.099	0.2	36.4	1.93	TAS	a_e
GOR1	133.18	PKiKP	23:00:18.939	-0.8	31.9	2.02	TAS	m_e
GOR1	133.18	PP	23:02:53.646	-0.9	36.1	6.28	TAS	m_e
GOR1	133.18	SKPbc	23:03:41.081	0.0	34.9	3.01	TAS	m_e
GRA1	135.92	PKPdf	23:00:13.099	0.0	36.4	1.93	TAS	a_e
GRA1	135.92	PP	23:03:11.290		36.1	6.28	TAS	m_e
GTTG	134.84	PKPdf	23:00:11.299	0.2	36.4	1.93	TAS	a_e
GTTG	134.84	PKiKP	23:00:22.326	0.5	31.9	2.02	TAS	m_e
GTTG	134.84	SKPbc	23:03:46.250	0.1	34.9	3.01	TAS	m_e
HLG	133.24	PKPdf	23:00:08.149	-0.1	36.4	1.93	TAS	a_e
IBBN	134.91	PKPdf	23:00:11.249	-0.1	36.4	1.93	TAS	a_e
IBBN	134.91	PKiKP	23:00:22.665	0.1	31.9	2.02	TAS	m_e
IBBN	134.91	PP	23:03:04.444	0.9	36.1	6.28	TAS	m_e
IBBN	134.91	SKPbc	23:03:46.117	0.5	34.9	3.01	TAS	m_e
KAST	135.65	PKPdf	23:00:12.899	0.2	36.4	1.93	TAS	a_e
KAST	135.65	PKiKP	23:00:24.923	-0.7	31.9	2.02	TAS	m_e
KAST	135.65	PP	23:03:08.941		36.1	6.28	TAS	m_e
MANZ	135.34	PKPdf	23:00:12.299	0.3	36.4	1.93	TAS	a_e
MANZ	135.34	PKiKP	23:00:22.778	0.5	31.9	2.02	TAS	m_e
MANZ	135.34	pPKiKP	23:00:55.761		32.8	2.42	TAS	m_e
MANZ	135.34	SKPbc	23:03:47.597	0.4	34.9	3.01	TAS	m_e
MOX	135.00	PKPdf	23:00:11.349	0.0	36.4	1.93	TAS	m_e
MOX	135.00	PKiKP	23:00:23.003	0.4	31.9	2.02	TAS	m_e
MOX	135.00	PP	23:03:05.980	-0.1	36.1	6.28	TAS	m_e
MOX	135.00	SKPbc	23:03:46.445	0.2	34.9	3.01	TAS	m_e
NEUB	134.49	PKPdf	23:00:10.349	-0.0	36.4	1.93	TAS	a_e
NEUB	134.49	SKPbc	23:03:45.092	0.0	34.9	3.01	TAS	m_e
PLN	134.92	PKPdf	23:00:11.249	0.1	36.4	1.93	TAS	a_e
PLN	134.92	PKiKP	23:00:22.213	-0.5	31.9	2.02	TAS	m_e
PLN	134.92	pPKiKP	23:00:55.778		32.8	2.42	TAS	m_e
PLN	134.92	SKPbc	23:03:46.411	-0.1	34.9	3.01	TAS	m_e
RETH	134.04	PKPdf	23:00:09.649	0.0	36.4	1.93	TAS	a_e
RETH	134.04	PKiKP	23:00:20.294	-0.1	31.9	2.02	TAS	m_e
RETH	134.04	PP	23:02:58.946	-0.3	36.1	6.28	TAS	m_e
RETH	134.04	SKPbc	23:03:43.150	0.3	34.9	3.01	TAS	m_e
RJOB	136.83	PKPdf	23:00:14.599	-0.3	36.4	1.93	TAS	a_e
RJOB	136.83	PP	23:03:15.597		36.1	6.28	TAS	m_e
RJOB	136.83	SKPbc	23:03:52.066		34.9	3.01	TAS	m_e
ROTZ	135.48	PKPdf	23:00:12.399	0.1	36.4	1.93	TAS	a_e
ROTZ	135.48	PKiKP	23:00:24.020	0.7	31.9	2.02	TAS	m_e
ROTZ	135.48	pPKiKP	23:00:56.631		32.8	2.42	TAS	m_e
ROTZ	135.48	PP	23:03:08.359	-0.5	36.1	6.28	TAS	m_e
ROTZ	135.48	SKPbc	23:03:48.241	0.1	34.9	3.01	TAS	m_e
RUE	132.72	PKPdf	23:00:06.949	0.0	36.4	1.93	TAS	a_e
RUE	132.72	PKiKP	23:00:18.374	-0.0	31.9	2.02	TAS	m_e
RUE	132.72	PP	23:02:49.271	0.1	36.1	6.28	TAS	m_e

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RUE	132.72	SKPbc	23:03:39.680	-0.5	34.9	3.01	TAS	m_e
STU	137.43	PKPpdf	23:00:16.449	0.4	36.4	1.93	TAS	a_e
STU	137.43	PKiKP	23:00:26.955		31.9	2.02	TAS	m_e
STU	137.43	pPKiKP	23:01:01.348		32.8	2.42	TAS	m_e
STU	137.43	SKPbc	23:03:53.452		34.9	3.01	TAS	m_e
TANN	134.86	PKPpdf	23:00:11.199	0.1	36.4	1.93	TAS	a_e
TANN	134.86	PKiKP	23:00:21.987	0.5	31.9	2.02	TAS	m_e
TANN	134.86	pPKiKP	23:00:54.678		32.8	2.42	TAS	m_e
TANN	134.86	PP	23:03:05.157	-0.1	36.1	6.28	TAS	m_e
TANN	134.86	SKPbc	23:03:45.948	0.3	34.9	3.01	TAS	m_e
TNS	136.47	PKPpdf	23:00:14.349	0.1	36.4	1.93	TAS	a_e
TNS	136.47	PP	23:03:14.036		36.1	6.28	TAS	m_e
TNS	136.47	SKPbc	23:03:51.057	-0.9	34.9	3.01	TAS	m_e
UBBA	135.44	PKPpdf	23:00:12.199	-0.0	36.4	1.93	TAS	a_e
UBBA	135.44	PKiKP	23:00:23.455	1.2	31.9	2.02	TAS	m_e
UBBA	135.44	PP	23:03:07.365	-0.2	36.1	6.28	TAS	m_e
UBBA	135.44	SKPbc	23:03:48.112	-0.6	34.9	3.01	TAS	m_e
WET	135.70	PKPpdf	23:00:12.849	0.2	36.4	1.93	TAS	a_e
WET	135.70	PKiKP	23:00:24.923		31.9	2.02	TAS	m_e
WET	135.70	pPKiKP	23:00:57.334		32.8	2.42	TAS	m_e
WET	135.70	PP	23:03:08.514		36.1	6.28	TAS	m_e
WET	135.70	SKPbc	23:03:48.631	-0.0	34.9	3.01	TAS	m_e
WLF	137.71	PKPpdf	23:00:16.699	-0.1	36.4	1.93	TAS	a_e
WLF	137.71	PKiKP	23:00:27.068		31.9	2.02	TAS	m_e
WLF	137.71	PP	23:03:21.658		36.1	6.28	TAS	m_e
WLF	137.71	SKPbc	23:03:55.106		34.9	3.01	TAS	m_e

Event 513001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/13	04:14:33.60			-21.2400	-175.0100			142.9				15		147.02	151.51	m i ke	BGR
	513007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.77		PKPbc	04:34:03.865	0.4	8.1		2.41		TAS					m_e
BRG	149.52		PKPbc	04:34:05.827		8.1		2.41		TAS					m_e
BSEG	147.02		PKPbc	04:33:59.395	-0.3	8.1		2.41		TAS					m_e
CLL	149.26		PKPbc	04:34:05.074	-0.1	8.1		2.41		TAS					m_e
CLL	149.26		pPKPab	04:34:46.057						T__					m_e
FLT1	148.50		PKPbc	04:34:02.775	-0.0	8.1		2.41		TAS					m_e
FLT1	148.50		PKPab	04:34:07.377		17.3		4.42		TAS					m_e
FLT1	148.50		pPKPab	04:34:44.063						T__					m_e
GEC2	151.51		PKPbc	04:34:10.406		8.1		2.41		TAS					m_e
GRA1	151.09		PKPab	04:34:18.364		17.3		4.42		TAS					m_e

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IBBN	148.83	PKPbc	04:34:03.152	0.2	8.1	2.41	TAS	m_e
KAST	149.88	PKPbc	04:34:06.931	-0.4	8.1	2.41	TAS	m_e
MANZ	150.68	PKPbc	04:34:08.443		8.1	2.41	TAS	m_e
MOX	150.11	PKPbc	04:34:07.421		8.1	2.41	TAS	m_e
NEUB	149.55	PKPbc	04:34:05.876		8.1	2.41	TAS	m_e
NEUB	149.55	PKPab	04:34:10.956		17.3	4.42	TAS	m_e
PLN	150.19	PKPbc	04:34:07.451		8.1	2.41	TAS	m_e
ROTZ	150.88	PKPbc	04:34:08.879		8.1	2.41	TAS	m_e
TANN	150.21	PKPbc	04:34:07.571		8.1	2.41	TAS	m_e
TANN	150.21	PKPab	04:34:14.408		17.3	4.42	TAS	m_e

Event 513002 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/13	05:56:40.63			43.6040	136.6470				201.1			21		72.46	77.70	m i ke	BGR
OrigID 513008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	513008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.70		P	06:08:12.839		37.6		5.70		TAS		4.1	0.83	m_e mb	4.6
BRG	73.47		P	06:07:49.317	-0.0	37.6		5.70		TAS		11.2	1.18	m_e mb	4.8
BSEG	72.46		P	06:07:43.424	-0.1	37.6		5.70		TAS		8.2	0.77	m_e mb	4.9
CLL	73.50		P	06:07:49.103	0.1	37.6		5.70		TAS		32.3	1.24	m_e mb	5.2
CLZ	74.10		P	06:07:52.972	-0.3	37.6		5.70		TAS		10.0	0.80	m_e mb	4.9
DAVA			P	06:08:14.245		37.6		5.70		TAS		10.6	0.62	m_e mb	5.1
FLT1	73.38		P	06:07:48.099	-0.0	37.6		5.70		TAS		14.1	0.79	m_e mb	5.2
GEC2	75.14		P	06:07:58.632	-0.7	37.6		5.70		TAS		3.6	0.61	m_e mb	4.6
GRA1	75.48		P	06:08:01.378		37.6		5.70		TAS		39.3	1.41	m_e mb	5.3
GRA1	75.48		pP	06:08:48.815						T__				m_e	
GTTG	74.49		P	06:07:55.343	0.5	37.6		5.70		TAS		24.4	1.37	m_e mb	5.0
KAST	75.34		P	06:08:00.721		37.6		5.70		TAS		5.6	0.78	m_e mb	4.7
KBA	76.66		P	06:08:08.105		37.6		5.70		TAS		5.5	0.68	m_e mb	4.8
MANZ	74.89		P	06:07:58.365	0.0	37.6		5.70		TAS		1.0	0.74	m_e mb	4.0
MOX	74.57		P	06:07:56.133	0.7	37.6		5.70		TAS		3.3	0.66	m_e mb	4.5
NEUB	74.07		P	06:07:52.893	0.1	37.6		5.70		TAS		17.2	0.92	m_e mb	5.1
RETA	77.42		P	06:08:11.992		37.6		5.70		TAS		7.6	0.79	m_e mb	4.9
RETH	73.76		P	06:07:50.876	0.8	37.6		5.70		TAS		20.1	1.34	m_e mb	5.0
ROTZ	75.02		P	06:07:58.472	-0.3	37.6		5.70		TAS				m_e	
SQTA	77.45		P	06:08:11.784		37.6		5.70		TAS		5.9	0.59	m_e mb	4.9
TNS	76.12		P	06:08:05.220		37.6		5.70		TAS		5.6	0.72	m_e mb	4.8
WET	75.24		P	06:07:59.654		37.6		5.70		TAS		7.0	0.90	m_e mb	4.7

Event 513005 Madagascar
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/13 19:02:36.94 -19.1800 47.8200 24.2 1.4 26 72.01 78.81 m i ke BGR
 513011

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 513011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	72.28		P	19:14:00.754	0.2	144.4		5.76		TAS		10.4	0.89	m_e	mb 5.0
BFO	75.95		P	19:14:21.833	-0.2	144.4		5.76		TAS		8.1	0.94	m_e	mb 4.8
BRG	75.89		P	19:14:21.191	0.0	144.4		5.76		TAS		4.5	0.97	m_e	mb 4.6
BRG	75.89		pP	19:14:28.101		145.1		5.96		TAS				m_e	
BUG	78.81		P	19:14:38.102		144.4		5.76		TAS		8.7	0.82	m_e	mb 4.8
CLL	76.58		P	19:14:25.223	0.0	144.4		5.76		TAS		9.5	1.01	m_e	mb 4.9
CLZ	77.96		P	19:14:33.250		144.4		5.76		TAS		34.6	1.77	m_e	mb 5.2
CLZ	77.96		pP	19:14:40.368		145.1		5.96		TAS				m_e	
DAVA			P	19:14:13.057	0.1	144.4		5.76		TAS		4.1	0.76	m_e	mb 4.5
FLT1	78.04		P	19:14:33.661		144.4		5.76		TAS		9.2	1.09	m_e	mb 4.8
FUR	74.63		P	19:14:14.412	0.3	144.4		5.76		TAS		15.0	1.09	m_e	mb 4.9
GEC2	74.28		P	19:14:11.610	-0.1	144.4		5.76		TAS		5.9	0.84	m_e	mb 4.7
GRA1	75.89		P	19:14:21.340	0.1	144.4		5.76		TAS		16.7	0.95	m_e	mb 5.1
GTTG	77.87		P	19:14:32.911		144.4		5.76		TAS		9.1	0.85	m_e	mb 4.9
KAST	78.18		P	19:14:33.963		144.4		5.76		TAS		12.4	1.21	m_e	mb 4.9
KBA	72.94		P	19:14:04.501	0.1	144.4		5.76		TAS		5.0	0.89	m_e	mb 4.7
MANZ	75.81		P	19:14:20.516	0.4	144.4		5.76		TAS		4.6	1.61	m_e	mb 4.3
MOA	73.24		P	19:14:05.913	-0.1	144.4		5.76		TAS		8.0	0.86	m_e	mb 4.9
MOX	76.53		P	19:14:25.356	-0.5	144.4		5.76		TAS		10.9	0.90	m_e	mb 5.0
MOX	76.53		pP	19:14:31.880		145.1		5.96		TAS				m_e	
OBKA	72.01		P	19:13:58.923	-0.1	144.4		5.76		TAS		13.5	1.22	m_e	mb 5.0
PLN	76.20		P	19:14:23.076	0.0	144.4		5.76		TAS		4.3	0.92	m_e	mb 4.6
PLN	76.20		pP	19:14:30.121		145.1		5.96		TAS				m_e	
RJOB	73.70		P	19:14:08.580	-0.1	144.4		5.76		TAS		4.9	0.92	m_e	mb 4.5
ROTZ	75.59		P	19:14:19.180	0.0	144.4		5.76		TAS		1.6	0.83	m_e	mb 4.2
ROTZ	75.59		pP	19:14:26.187	-0.0	145.1		5.96		TAS				m_e	
STU	75.95		P	19:14:21.645	0.2	144.4		5.76		TAS		29.5	0.96	m_e	mb 5.4
TANN	76.03		P	19:14:22.478	0.1	144.4		5.76		TAS		14.1	0.99	m_e	mb 5.0
TNS	77.39		P	19:14:30.039		144.4		5.76		TAS		8.0	0.93	m_e	mb 4.8
WET	74.83		P	19:14:15.054	0.4	144.4		5.76		TAS		2.3	0.68	m_e	mb 4.3
WLF	77.89		P	19:14:32.465		144.4		5.76		TAS		11.0	0.90	m_e	mb 5.0

Event 513006 Fiji Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID

2020/05/13 20:10:39.28
513012

-20.7360 -176.1580

260.6

30

146.38 152.14 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	148.13		PKPdf	20:29:50.277	0.1	17.2		1.54		TAS					m_e	
ASSE	148.13		PKPbc	20:29:53.756	0.0	14.1		2.48		TAS					a_e	
BFO	152.14		PKPbc	20:30:03.306		14.1		2.48		TAS					a_e	
BFO	152.14		PKPab	20:30:13.597		13.4		4.21		TAS					m_e	
BRG	148.81		PKPdf	20:29:50.947	-0.1	17.2		1.54		TAS					m_e	
BRG	148.81		PKPbc	20:29:55.456	0.2	14.1		2.48		TAS					a_e	
BSEG	146.40		PKPdf	20:29:47.112	0.5	17.2		1.54		TAS					m_e	
BSEG	146.40		PKPbc	20:29:48.956	0.1	14.1		2.48		TAS					a_e	
BUG	149.15		PKPdf	20:29:51.738	0.2	17.2		1.54		TAS					m_e	
BUG	149.15		PKPbc	20:29:56.206	0.1	14.1		2.48		TAS					a_e	
CLL	148.57		PKPdf	20:29:50.405	-0.1	17.2		1.54		TAS					m_e	
CLL	148.57		PKPbc	20:29:54.706	0.1	14.1		2.48		TAS					a_e	
CLL	148.57		pPKPbc	20:31:00.266	-0.4					T__					m_e	
CLZ	148.45		PKPdf	20:29:50.758	-0.1	17.2		1.54		TAS					m_e	
CLZ	148.45		PKPbc	20:29:54.756	-0.0	14.1		2.48		TAS					a_e	
FLT1	147.86		PKPdf	20:29:49.443	0.1	17.2		1.54		TAS					m_e	
FLT1	147.86		PKPbc	20:29:52.656	0.1	14.1		2.48		TAS					a_e	
FUR	151.90		PKPdf	20:29:56.126		17.2		1.54		TAS					m_e	
FUR	151.90		PKPbc	20:30:02.656	-0.8	14.1		2.48		TAS					a_e	
GEC2	150.78		PKPdf	20:29:53.982	-0.8	17.2		1.54		TAS					m_e	
GEC2	150.78		PKPbc	20:30:00.206	0.3	14.1		2.48		TAS					a_e	
GOR1	147.21		PKPdf	20:29:49.171	0.1	17.2		1.54		TAS					m_e	
GOR1	147.21		PKPbc	20:29:51.456	-0.2	14.1		2.48		TAS					a_e	
GRA1	150.43		PKPdf	20:29:53.809	0.6	17.2		1.54		TAS					m_e	
GRA1	150.43		PKPbc	20:29:59.606	0.2	14.1		2.48		TAS					a_e	
GRA1	150.43		PKPab	20:30:06.283		13.4		4.21		TAS					m_e	
GTTG	148.79		PKPdf	20:29:51.069	-0.3	17.2		1.54		TAS					m_e	
GTTG	148.79		PKPbc	20:29:55.506	0.1	14.1		2.48		TAS					a_e	
HLG	146.38		PKPbc	20:29:49.152	-0.5	14.1		2.48		TAS					m_e	
IBBN	148.25		PKPdf	20:29:50.739	-0.3	17.2		1.54		TAS					m_e	
IBBN	148.25		PKPbc	20:29:54.204	0.3	14.1		2.48		TAS					m_e	
IBBN	148.25		PKPab	20:29:57.441		13.4		4.21		TAS					m_e	
KAST	149.29		PKPdf	20:29:52.023	0.2	17.2		1.54		TAS					m_e	
KAST	149.29		PKPbc	20:29:56.756	0.2	14.1		2.48		TAS					a_e	
MANZ	150.00		PKPdf	20:29:52.942	0.2	17.2		1.54		TAS					m_e	
MANZ	150.00		PKPbc	20:29:58.556	0.2	14.1		2.48		TAS					a_e	
MOX	149.44		PKPdf	20:29:52.245	-0.2	17.2		1.54		TAS					m_e	
MOX	149.44		PKPbc	20:29:57.056	0.2	14.1		2.48		TAS					a_e	
NEUB	148.89		PKPdf	20:29:51.096	-0.1	17.2		1.54		TAS					m_e	
NEUB	148.89		PKPbc	20:29:55.606	-0.2	14.1		2.48		TAS					a_e	
PLN	149.51		PKPdf	20:29:52.369	0.0	17.2		1.54		TAS					m_e	
PLN	149.51		PKPbc	20:29:57.256	0.3	14.1		2.48		TAS					m_e	
RETH	147.68		PKPdf	20:29:49.704	0.1	17.2		1.54		TAS					m_e	

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RETH	147.68	PKPbc	20:29:52.656	-0.3	14.1	2.48	TAS	a_e
RJOB	152.02	PKPdf	20:29:55.192		17.2	1.54	TAS	m_e
RJOB	152.02	PKPbc	20:30:02.569	-0.4	14.1	2.48	TAS	m_e
ROTZ	150.19	PKPdf	20:29:53.429	-0.2	17.2	1.54	TAS	m_e
ROTZ	150.19	PKPbc	20:29:58.956	0.1	14.1	2.48	TAS	a_e
RUE	147.31	PKPdf	20:29:49.267	-0.3	17.2	1.54	TAS	m_e
RUE	147.31	PKPbc	20:29:51.356	0.0	14.1	2.48	TAS	a_e
STU	151.61	PKPdf	20:29:56.093		17.2	1.54	TAS	m_e
STU	151.61	PKPbc	20:30:02.256	-0.3	14.1	2.48	TAS	a_e
TANN	149.53	PKPdf	20:29:52.194	0.2	17.2	1.54	TAS	m_e
TANN	149.53	PKPbc	20:29:57.306	0.3	14.1	2.48	TAS	a_e
TNS	150.26	PKPbc	20:29:59.156	0.3	14.1	2.48	TAS	a_e
UBBA	149.50	PKPdf	20:29:52.073	0.0	17.2	1.54	TAS	m_e
UBBA	149.50	PKPbc	20:29:57.406	0.2	14.1	2.48	TAS	a_e
WET	150.66	PKPdf	20:29:53.733	0.3	17.2	1.54	TAS	m_e
WET	150.66	PKPbc	20:30:00.206	-0.1	14.1	2.48	TAS	a_e
WLF	150.98	PKPbc	20:30:01.456	-0.1	14.1	2.48	TAS	a_e

Event 513007 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/13	21:09:28.50			38.9400	75.1900				33.0			18		43.75	48.89	m i ke	BGR
OrigID 513013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	513013
Ms	3.7		BGR	513013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	47.85		P	21:18:02.925		78.3		7.89		TAS		3.7	0.80	m_e	mb 4.6
BRG	43.75		P	21:17:30.657	0.1	78.3		7.89		TAS		6.5	0.73	m_e	mb 4.5
CLL	44.27		P	21:17:34.392	-0.2	78.3		7.89		TAS		6.2	0.76	m_e	mb 4.4
DAVA			P	21:17:57.019		78.3		7.89		TAS		12.2	0.70	m_e	mb 5.1
FLT1	45.19		P	21:17:41.565		78.3		7.89		TAS		10.6	0.75	m_e	mb 4.8
FUR	45.98		P	21:17:48.821		78.3		7.89		TAS		12.9	0.84	m_e	mb 5.0
GEC2	44.26		P	21:17:35.031	0.4	78.3		7.89		TAS		7.1	0.70	m_e	mb 4.5
GRA1	45.68		P	21:17:46.608		78.3		7.89		TAS		10.4	0.72	m_e	mb 5.0
GRA1	45.68		L	21:38:24.093						T__		70.4	19.60	a_e	Ms 3.6
GTTG	46.10		P	21:17:49.624		78.3		7.89		TAS		18.1	0.86	m_e	mb 5.1
MANZ	45.06		P	21:17:41.652	-0.5	78.3		7.89		TAS		0.7	0.87	m_e	mb 3.6
MOX	45.25		P	21:17:42.633		78.3		7.89		TAS		3.7	0.87	m_e	mb 4.3
MOX	45.25		L	21:39:03.202						T__		104.9	21.00	a_e	Ms 3.8
NEUB	45.05		P	21:17:40.839	-0.4	78.3		7.89		TAS		14.8	0.88	m_e	mb 4.9
PLN	44.94		P	21:17:40.508	0.4	78.3		7.89		TAS		0.6	0.66	m_e	mb 3.7
PLONS	47.50		P	21:17:59.715		78.3		7.89		TAS		5.9	0.75	m_e	mb 4.8
SULZ	48.20		P	21:18:05.280		78.3		7.89		TAS		42.1	0.84	m_e	mb 5.6

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TANN	44.76	P	21:17:38.654	0.5	78.3	7.89	TAS	3.3	0.80	m_e mb	4.3
WET	44.73	P	21:17:38.706	-0.1	78.3	7.89	TAS	4.9	0.78	m_e mb	4.5
WLF	48.89	P	21:18:11.864		78.3	7.89	TAS	8.6	0.82	m_e mb	4.8

Event 514001 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
2020/05/14	01:22:56.00			51.6530	157.0370				40.8			19		72.34	76.74	m i ke	BGR
OrigID 514007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	514007
Ms	4.1		BGR	514007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	76.74		P	01:34:41.225		21.2		5.80		TAS		3.7	0.78	m_e mb	4.6
BRG	73.05		P	01:34:20.314	-0.4	21.2		5.80		TAS		5.6	1.15	m_e mb	4.6
BUG	74.02		P	01:34:25.418	0.3	21.2		5.80		TAS		12.4	0.97	m_e mb	4.9
CLL	72.88		P	01:34:18.413	0.1	21.2		5.80		TAS		7.4	0.99	m_e mb	4.8
CLZ	72.99		P	01:34:20.460	0.2	21.2		5.80		TAS		9.4	1.06	m_e mb	4.8
FLT1	72.34		P	01:34:15.977	-0.0	21.2		5.80		TAS		6.9	0.94	m_e mb	4.8
FUR	76.21		P	01:34:39.094		21.2		5.80		TAS		21.1	1.18	m_e mb	5.2
GEC2	74.98		P	01:34:31.104		21.2		5.80		TAS		4.8	1.12	m_e mb	4.4
GRA1	74.80		P	01:34:30.936		21.2		5.80		TAS		14.5	1.01	m_e mb	5.0
GRA1	74.80		pP	01:34:42.595						T__				m_e	
GRA1	74.80		L	02:13:16.376						T__		95.0	18.90	a_e Ms	4.1
IBBN	73.11		P	01:34:20.739	0.0	21.2		5.80		TAS		17.5	1.02	m_e mb	5.1
KAST	74.01		P	01:34:25.840	0.4	21.2		5.80		TAS		6.3	0.89	m_e mb	4.7
MANZ	74.32		P	01:34:28.005		21.2		5.80		TAS		1.3	1.16	m_e mb	3.9
MOX	73.82		P	01:34:24.817	-0.5	21.2		5.80		TAS		8.3	1.25	m_e mb	4.6
MOX	73.82		L	02:07:42.885						T__		97.9	22.00	a_e Ms	4.0
PLN	73.84		P	01:34:25.096	0.4	21.2		5.80		TAS		2.9	1.19	m_e mb	4.2
RETH	72.37		P	01:34:16.356	-0.4	21.2		5.80		TAS		16.3	1.38	m_e mb	5.0
RJOB	76.24		P	01:34:39.161		21.2		5.80		TAS		4.5	0.91	m_e mb	4.6
ROTZ	74.50		P	01:34:28.873		21.2		5.80		TAS		1.4	1.12	m_e mb	3.9
STU	76.13		P	01:34:37.832		21.2		5.80		TAS		26.7	0.39	m_e mb	5.7
TNS	74.93		P	01:34:31.597		21.2		5.80		TAS		7.5	1.09	m_e mb	4.6
WET	74.91		P	01:34:31.399		21.2		5.80		TAS		8.9	1.02	m_e mb	4.7

Event 514005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/14	20:29:06.29			-16.6330	-175.5450				33.0			10		146.27	149.16	m i ke	BGR
OrigID																	

514011

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	148.13		PKPbc	20:48:49.189		11.8		2.99		TAS				m_e		
DAVA			PKPbc	20:48:52.025		11.8		2.99		TAS				m_e		
FETA	149.16		PKPbc	20:48:52.368		11.8		2.99		TAS				m_e		
GEC2	146.91		PKPbc	20:48:45.561		11.8		2.99		TAS				m_e		
GRA1	146.48		PKPbc	20:48:43.597		11.8		2.99		TAS				m_e		
RJOB	148.14		PKPbc	20:48:48.810		11.8		2.99		TAS				m_e		
ROTZ	146.27		PKPbc	20:48:44.245		11.8		2.99		TAS				m_e		
SQTA	148.90		PKPbc	20:48:51.234		11.8		2.99		TAS				m_e		
WLF	146.93		PKPbc	20:48:45.847		11.8		2.99		TAS				m_e		
WTTA			PKPbc	20:48:51.125		11.8		2.99		TAS				m_e		

Event	514006 Eastern Mediterranean Sea																
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2020/05/14	22:33:30.30	2.20	0.98	33.8690	26.4410	56.7	50.0	49	10.0			29	344	17.24	23.07	m i ke	BGR
514012																	

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 514012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	21.49		P	22:38:19.136	0.6					T__		18.8	0.86	m_e mb	4.4	
BFO	19.80		P	22:38:00.874	0.9					T__		17.6	0.95	m_e mb	4.3	
BRG	19.29		P	22:37:53.961	-0.1					T__		7.8	1.06	m_e mb	3.9	
BSEG	23.07		P	22:38:33.624	-1.0					T__		8.0	0.80	m_e mb	4.3	
BUG	22.40		P	22:38:27.817	-0.1					T__		21.5	0.85	m_e mb	4.6	
CLL	19.98		P	22:38:01.416	-0.6					T__		18.9	0.75	m_e mb	4.4	
CLZ	21.39		P	22:38:16.872	-0.5					T__		22.0	0.87	m_e mb	4.5	
FLT1	21.45		P	22:38:16.610	-1.4					T__		20.6	0.98	m_e mb	4.4	
FUR	18.24		P	22:37:41.694	-0.1					T__		37.9	0.68	m_e mb	4.7	
GEC2	17.71		P	22:37:35.150	-0.1					T__		8.3	0.62	m_e mb	4.0	
GOR1	21.95		P	22:38:25.452	2.1					T__		11.3	0.95	m_e mb	4.3	
GRA1	19.39		P	22:37:54.848	-0.5					T__		22.2	0.86	m_e mb	4.4	
GTTG	21.32		P	22:38:16.715	0.0					T__		113.0	0.80	m_e mb	5.2	
IBBN	22.80		P	22:38:31.340	-0.6					T__		15.4	1.11	m_e mb	4.4	
KAST	21.72		P	22:38:19.310	-1.6					T__		27.8	0.85	m_e mb	4.7	
MANZ	19.25		P	22:37:53.077	-0.6					T__		3.6	0.83	m_e mb	3.6	
MOX	19.97		P	22:38:01.594	-0.3					T__		14.2	0.72	m_e mb	4.3	
NEUB	20.34		P	22:38:07.388	1.4					T__		31.3	0.74	m_e mb	4.6	
PLN	19.63		P	22:37:58.201	0.2					T__		3.4	0.75	m_e mb	3.7	
RETH	22.47		P	22:38:28.283	-0.4					T__		25.6	0.92	m_e mb	4.6	

RJOB	17.24	P	22:37:27.254	-2.1	T__	11.6	0.63	m_e	mb	4.2
ROTZ	19.04	P	22:37:51.642	0.4	T__	1.6	0.76	m_e	mb	3.3
RUE	20.70	P	22:38:10.559	0.6	T__	18.8	0.51	m_e	mb	4.7
STU	19.66	P	22:37:59.553	1.1	T__	59.7	0.89	m_e	mb	4.8
TANN	19.45	P	22:37:56.951	0.9	T__	27.6	0.78	m_e	mb	4.5
TNS	21.01	P	22:38:15.545	2.1	T__	37.3	0.65	m_e	mb	4.9
UBBA	20.76	P	22:38:10.212	-0.4	T__	5.5	0.57	m_e	mb	4.1
WET	18.28	P	22:37:42.936	0.7	T__	9.5	0.82	m_e	mb	4.0
WLF	21.75	P	22:38:20.596	-0.7	T__	33.0	0.82	m_e	mb	4.8

Event 515001 California-Nevada border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/15	11:03:32.67			38.6350	-118.1260				10.0			28		76.47	82.90	m i ke	BGR
	515007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	515007
MBB	6.3		BGR	515007
Ms	6.8		BGR	515007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.12		P	11:15:36.614	0.1	322.7		5.35		TAS		205.6	1.53	a_e	MBB 6.4
ASSE	79.12		X	11:15:44.668	0.1	323.0		5.33		TAS				a_e	
BFO	81.13		P	11:15:46.814	-0.4	322.7		5.35		TAS		68.7	1.39	a_e	MBB 6.2
BFO	81.13		X	11:15:55.369	-0.1	323.0		5.33		TAS				m_e	
BFO	81.13		PP	11:18:56.803	-0.7	320.5		8.52		TAS				a_e	
BRG	81.35		P	11:15:48.364	0.0	322.7		5.35		TAS		103.5	1.18	a_e	MBB 6.3
BRG	81.35		X	11:15:56.368	0.1	323.0		5.33		TAS				a_e	
BRG	81.35		PP	11:18:59.953		320.5		8.52		TAS				m_e	
BSEG	77.57		P	11:15:28.264	0.1	322.7		5.35		TAS		74.2	1.15	a_e	MBB 6.3
BSEG	77.57		X	11:15:36.168	-0.2	323.0		5.33		TAS				a_e	
BUG	78.31		P	11:15:32.162	-0.0	322.7		5.35		TAS		183.0	1.68	m_e	MBB 6.4
BUG	78.31		X	11:15:39.668	-0.1	323.0		5.33		TAS				a_e	
BUG	78.31		PP	11:18:32.953	0.2	320.5		8.52		TAS				a_e	
CLL	80.65		P	11:15:44.414	-0.2	322.7		5.35		TAS		121.1	1.27	m_e	MBB 6.3
CLL	80.65		X	11:15:52.268	0.0	323.0		5.33		TAS				a_e	
CLL	80.65		PP	11:18:55.653	-0.1	320.5		8.52		TAS				a_e	
CLZ	79.23		P	11:15:37.464	0.4	322.7		5.35		TAS		163.0	1.18	a_e	MBB 6.4
CLZ	79.23		X	11:15:45.568	0.0	323.0		5.33		TAS				a_e	
CLZ	79.23		PP	11:18:42.903	-0.3	320.5		8.52		TAS				a_e	
DAVA			P	11:15:55.128	0.1	322.7		5.35		TAS				m_e	
DAVA			PP	11:19:09.003		320.5		8.52		TAS				a_e	
FLT1	79.17		P	11:15:36.264	-0.5	322.7		5.35		TAS		170.6	1.44	a_e	MBB 6.3
FLT1	79.17		X	11:15:44.368	0.5	323.0		5.33		TAS				a_e	
FLT1	79.17		PP	11:18:41.653	1.5	320.5		8.52		TAS				a_e	

FUR	82.49	P	11:15:54.864	0.4	322.7	5.35	TAS	169.8	1.31	a_e	MBB	6.7
FUR	82.49	X	11:16:02.818		323.0	5.33	TAS			a_e		
FUR	82.49	PP	11:19:07.653		320.5	8.52	TAS			a_e		
GEC2	82.90	P	11:15:56.620		322.7	5.35	TAS	296.9	2.02	m_e	MBB	6.4
GEC2	82.90	X	11:16:04.468		323.0	5.33	TAS			a_e		
GEC2	82.90	PP	11:19:12.853		320.5	8.52	TAS			a_e		
GOR1	78.68	P	11:15:33.835	-0.3	322.7	5.35	TAS	367.3	1.58	m_e	MBB	6.5
GOR1	78.68	X	11:15:41.993	0.2	323.0	5.33	TAS			m_e		
GRA1	81.25	P	11:15:48.037	0.2	322.7	5.35	TAS	109.6	1.14	m_e	mb	5.8
GRA1	81.25	X	11:15:55.984	-0.1	323.0	5.33	TAS			m_e		
GRA1	81.25	PP	11:18:59.853		320.5	8.52	TAS			a_e		
GRA1	81.25	L	11:51:52.009				T__	44101.9	21.40	a_e	Ms	6.8
GTTG	79.30	P	11:15:37.414	-0.1	322.7	5.35	TAS	83.5	1.41	a_e	MBB	6.3
GTTG	79.30	X	11:15:45.918	0.1	323.0	5.33	TAS			a_e		
GTTG	79.30	PP	11:18:43.053	0.7	320.5	8.52	TAS			a_e		
HLG	76.47	P	11:15:22.390	0.1	322.7	5.35	TAS	231.8	0.99	m_e	mb	6.3
HLG	76.47	PP	11:18:17.853	-0.4	320.5	8.52	TAS			a_e		
IBBN	77.85	P	11:15:29.564	-0.1	322.7	5.35	TAS	166.8	1.11	a_e	MBB	6.6
IBBN	77.85	X	11:15:37.518	0.3	323.0	5.33	TAS			a_e		
IBBN	77.85	PP	11:18:29.553	-0.5	320.5	8.52	TAS			a_e		
KAST	78.95	P	11:15:35.414	-0.2	322.7	5.35	TAS	77.4	1.38	a_e	MBB	6.2
KAST	78.95	X	11:15:43.618	-0.3	323.0	5.33	TAS			a_e		
MANZ	81.37	P	11:15:48.364	-0.1	322.7	5.35	TAS	7.6	0.89	a_e	MBB	5.6
MANZ	81.37	X	11:15:56.418	0.1	323.0	5.33	TAS			a_e		
MANZ	81.37	PP	11:19:00.403		320.5	8.52	TAS			a_e		
MOX	80.65	P	11:15:44.764	0.1	322.7	5.35	TAS	225.3	1.82	a_e	MBB	6.2
MOX	80.65	X	11:15:52.618	-0.3	323.0	5.33	TAS			a_e		
MOX	80.65	L	11:52:16.377				T__	41875.6	20.90	a_e	Ms	6.8
NEUB	80.28	P	11:15:42.614	-0.0	322.7	5.35	TAS	128.5	1.20	a_e	MBB	6.3
NEUB	80.28	X	11:15:50.468	-0.3	323.0	5.33	TAS			a_e		
PLN	80.99	P	11:15:46.314	-0.1	322.7	5.35	TAS	24.1	1.14	a_e	MBB	5.8
PLN	80.99	X	11:15:54.168	-0.0	323.0	5.33	TAS			a_e		
PLN	80.99	PP	11:18:57.653	-1.4	320.5	8.52	TAS			a_e		
RETH	78.14	P	11:15:31.514	0.2	322.7	5.35	TAS	243.8	1.59	a_e	MBB	6.6
RETH	78.14	X	11:15:39.568	-0.6	323.0	5.33	TAS			a_e		
RETH	78.14	PP	11:18:32.003	-0.3	320.5	8.52	TAS			a_e		
RGN	78.17	P	11:15:31.614	0.3	322.7	5.35	TAS	590.2	1.61	a_e	mb	6.5
RGN	78.17	PP	11:18:33.003	-0.5	320.5	8.52	TAS			a_e		
ROTZ	81.58	P	11:15:49.564	-0.1	322.7	5.35	TAS	24.2	1.49	m_e	MBB	5.7
ROTZ	81.58	X	11:15:57.718	0.3	323.0	5.33	TAS			a_e		
ROTZ	81.58	PP	11:19:01.653		320.5	8.52	TAS			a_e		
RUE	80.00	P	11:15:41.064	-0.0	322.7	5.35	TAS	124.9	1.10	a_e	MBB	6.3
RUE	80.00	X	11:15:49.018	-0.0	323.0	5.33	TAS			a_e		
RUE	80.00	PP	11:18:47.103	-0.2	320.5	8.52	TAS			a_e		
STU	81.15	P	11:15:47.431	0.1	322.7	5.35	TAS	130.8	1.25	m_e	MBB	6.6
STU	81.15	X	11:15:55.420	0.1	323.0	5.33	TAS			m_e		
STU	81.15	PP	11:18:58.453		320.5	8.52	TAS			a_e		
TANN	81.16	P	11:15:47.364	-0.0	322.7	5.35	TAS	107.6	1.51	a_e	MBB	6.2
TANN	81.16	X	11:15:55.268	0.1	323.0	5.33	TAS			a_e		

2020/05/15 15:06:00.08
515010

-15.8060 -172.2030

33.0

12

145.02 147.80 m i ke BGR

Magnitude Err Nsta Author OrigID
Ms 5.4 BGR 515010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.47		PKPbc	15:25:40.006		5.9		3.14		TAS				m_e	
GEC2	146.60		PKPbc	15:25:37.555		5.9		3.14		TAS				m_e	
GRA1	145.99		PKPbc	15:25:35.941		5.9		3.14		TAS				m_e	
GRA1	145.99		L	16:35:26.928						T__		523.4	21.00	a_e Ms	5.3
MANZ	145.63		PKPbc	15:25:34.609		5.9		3.14		TAS				m_e	
MOX	145.02		PKPbc	15:25:32.174		5.9		3.14		TAS				m_e	
MOX	145.02		L	16:38:33.717						T__		733.7	20.10	a_e Ms	5.5
PLN	145.13		PKPbc	15:25:32.273		5.9		3.14		TAS				m_e	
RJOB	147.80		PKPbc	15:25:40.894		5.9		3.14		TAS				m_e	
ROTZ	145.84		PKPbc	15:25:35.082		5.9		3.14		TAS				m_e	
TANN	145.18		PKPbc	15:25:32.679		5.9		3.14		TAS				m_e	
TNS	145.57		PKPbc	15:25:34.242		5.9		3.14		TAS				m_e	
WET	146.40		PKPbc	15:25:36.925		5.9		3.14		TAS				m_e	
WLF	146.11		PKPbc	15:25:36.295		5.9		3.14		TAS				m_e	

Event 516002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/16	03:15:44.00			-16.1250	167.9320				170.0				8	138.36	143.72	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	143.72		PKP	03:34:55.766		37.6		3.17		TAS				m_e	
BSEG	138.36		SKPdf	03:38:06.776	-0.2	34.4		2.74		TAS				m_e	
CLL	139.53		SKPdf	03:38:09.679	0.1	34.4		2.74		TAS				m_e	
CLZ	140.08		SKPdf	03:38:11.598		34.4		2.74		TAS				m_e	
FLT1	139.38		SKPdf	03:38:08.820	-0.5	34.4		2.74		TAS				m_e	
FUR	142.69		PKP	03:34:53.298		37.6		3.17		TAS				m_e	
GEC2	141.13		PKP	03:34:47.369		37.6		3.17		TAS				m_e	
GTTG	140.47		SKPdf	03:38:12.796		34.4		2.74		TAS				m_e	
IBBN	140.56		SKPdf	03:38:12.079		34.4		2.74		TAS				m_e	
KAST	141.29		SKPdf	03:38:14.338		34.4		2.74		TAS				m_e	
MOX	140.59		PKP	03:34:45.688		37.6		3.17		TAS				m_e	
PLN	140.51		PKP	03:34:45.705		37.6		3.17		TAS				m_e	
STU	143.03		PKP	03:34:53.625		37.6		3.17		TAS				m_e	
TANN	140.44		PKP	03:34:46.176		37.6		3.17		TAS				m_e	
WET	141.26		PKP	03:34:48.783		37.6		3.17		TAS				m_e	

./bul2005.txt Tue Feb 22 15:12:57 2022 34

WLF 143.36 PKP 03:34:54.893 37.6 3.17 TAS m_e
WLF 143.36 SKPdf 03:38:20.267 34.4 2.74 TAS m_e

Event 517002 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2020/05/17 19:07:44.07 -26.1300 179.2000 493.5 3.0 8 150.95 155.99 m i ke BGR
517008

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	152.55		PKPbc	19:26:44.000	-0.1	23.9		2.34		TAS				m_e	
ASSE	152.55		PKPab	19:26:55.779	-0.5	20.9		4.65		TAS				m_e	
BRG	152.78		PKPbc	19:26:44.467	0.2	23.9		2.34		TAS				m_e	
BRG	152.78		PKPab	19:26:57.305		20.9		4.65		TAS				m_e	
BSEG	150.95		PKPbc	19:26:40.343	0.3	23.9		2.34		TAS				m_e	
BSEG	150.95		pPKPbc	19:28:37.124	-0.3	28.3		2.18		TAS				m_e	
BUG	153.91		pPKPbc	19:28:43.311		28.3		2.18		TAS				m_e	
CLL	152.68		PKPbc	19:26:44.334	0.3	23.9		2.34		TAS				m_e	
CLZ	152.89		PKPbc	19:26:45.065		23.9		2.34		TAS				m_e	
CLZ	152.89		pPKPbc	19:28:40.858		28.3		2.18		TAS				m_e	
FUR	155.99		PKPab	19:27:12.602		20.9		4.65		TAS				m_e	
GTTG	153.26		PKPbc	19:26:45.990		23.9		2.34		TAS				m_e	
GTTG	153.26		PKPab	19:26:59.963		20.9		4.65		TAS				m_e	
IBBN	152.99		PKPbc	19:26:45.233		23.9		2.34		TAS				m_e	
IBBN	152.99		PKPab	19:26:57.846		20.9		4.65		TAS				m_e	
IBBN	152.99		pPKPbc	19:28:41.860		28.3		2.18		TAS				m_e	
KAST	153.92		pPKPbc	19:28:43.881		28.3		2.18		TAS				m_e	
NEUB	153.13		PKPbc	19:26:45.836		23.9		2.34		TAS				m_e	
PLN	153.66		PKPab	19:27:01.986		20.9		4.65		TAS				m_e	
RETH	152.27		pPKPbc	19:28:39.605	0.4	28.3		2.18		TAS				m_e	
RUE	151.42		PKPbc	19:26:41.861	-0.2	23.9		2.34		TAS				m_e	
TNS	154.84		PKPab	19:27:06.024		20.9		4.65		TAS				m_e	
WET	154.62		PKPab	19:27:06.673		20.9		4.65		TAS				m_e	

Event 518001 Near east coast of eastern Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2020/05/18 03:00:37.94 38.4230 142.3300 73.5 1.9 27 79.04 84.34 m i ke BGR
518007

Magnitude Err Nsta Author OrigID

mb	5.4	BGR	518007
Ms	4.6	BGR	518007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	80.37		P	03:12:44.687	-0.1	36.6		5.25		TAS		26.8	1.00	m_e	mb 5.1
BFO	84.34		P	03:13:05.375		36.6		5.25		TAS		70.3	0.95	m_e	mb 5.9
BRG	80.13		P	03:12:43.336	0.0	36.6		5.25		TAS		31.6	0.88	m_e	mb 5.2
BSEG	79.04		P	03:12:37.950	0.2	36.6		5.25		TAS		42.3	0.92	m_e	mb 5.5
BUG	82.15		P	03:12:53.969	-0.3	36.6		5.25		TAS		31.9	0.82	m_e	mb 5.5
CLL	80.15		P	03:12:43.233	-0.2	36.6		5.25		TAS		61.7	0.86	m_e	mb 5.6
CLZ	80.71		P	03:12:46.976	-0.4	36.6		5.25		TAS		59.7	0.90	m_e	mb 5.6
FUR	83.33		P	03:13:00.501		36.6		5.25		TAS		92.0	0.84	m_e	mb 6.0
GEC2	81.82		P	03:12:52.264	0.1	36.6		5.25		TAS		32.2	1.11	m_e	mb 5.4
GOR1	79.45		P	03:12:40.080	0.0	36.6		5.25		TAS		60.0	1.16	m_e	mb 5.4
GOR1	79.45		pP	03:12:59.974						T__				m_e	
GRA1	82.13		P	03:12:54.583	0.0	36.6		5.25		TAS		75.6	0.95	m_e	mb 5.8
GRA1	82.13		pP	03:13:14.452						T__				m_e	
GRA1	82.13		L	03:52:35.453						T__		244.2	18.90	a_e	Ms 4.6
GTTG	81.10		P	03:12:48.734	0.1	36.6		5.25		TAS		50.3	0.87	m_e	mb 5.6
GTTG	81.10		pP	03:13:08.764						T__				m_e	
IBBN	81.27		P	03:12:49.471	0.1	36.6		5.25		TAS		64.5	0.78	m_e	mb 5.7
KAST	81.94		P	03:12:53.145	-0.4	36.6		5.25		TAS		23.2	0.91	m_e	mb 5.3
MANZ	81.55		P	03:12:50.872	0.6	36.6		5.25		TAS		5.4	0.76	m_e	mb 4.8
MOX	81.21		P	03:12:49.172	-0.0	36.6		5.25		TAS		51.2	1.33	m_e	mb 5.4
MOX	81.21		L	03:52:06.046						T__		262.5	19.50	a_e	Ms 4.6
NEUB	80.71		P	03:12:46.261	-0.1	36.6		5.25		TAS		71.1	0.92	m_e	mb 5.7
PLN	81.13		P	03:12:48.783	-0.1	36.6		5.25		TAS		6.0	0.90	m_e	mb 4.6
RETH	80.35		P	03:12:44.829	-0.1	36.6		5.25		TAS		62.3	1.18	m_e	mb 5.4
RJOB	83.06		P	03:12:59.150		36.6		5.25		TAS		62.3	0.94	m_e	mb 5.8
ROTZ	81.68		P	03:12:51.957	0.1	36.6		5.25		TAS		18.5	1.48	m_e	mb 5.0
ROTZ	81.68		pP	03:13:11.937						T__				m_e	
STU	83.65		P	03:13:02.078	0.2	36.6		5.25		TAS		80.4	0.75	m_e	mb 6.0
STU	83.65		pP	03:13:21.502						T__				m_e	
TANN	81.07		P	03:12:48.305	0.3	36.6		5.25		TAS		14.8	0.99	m_e	mb 5.0
TNS	82.74		P	03:12:57.219	-0.1	36.6		5.25		TAS		23.4	0.90	m_e	mb 5.4
UBBA	81.68		P	03:12:51.281	-0.2	36.6		5.25		TAS		9.5	0.77	m_e	mb 5.0
UBBA	81.68		pP	03:13:11.231						T__				m_e	
WET	81.91		P	03:12:53.000	-0.3	36.6		5.25		TAS		36.5	1.09	m_e	mb 5.4
WLF	84.03		P	03:13:03.918	-0.1	36.6		5.25		TAS		17.8	0.93	m_e	mb 5.3

Event 519005 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/19	03:17:12.35			37.7440	141.8070				33.0			29		79.33	84.74	m i ke	BGR

519011

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	519011
Ms	4.7		BGR	519011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	80.78		P	03:29:21.562	0.2	37.3		5.22		TAS		24.4	0.98	m_e	mb	5.2
BFO	84.74		P	03:29:41.882	0.0	37.3		5.22		TAS		66.1	1.01	m_e	mb	5.8
BRG	80.50		P	03:29:19.879	-0.1	37.3		5.22		TAS		37.4	1.05	m_e	mb	5.3
BSEG	79.47		P	03:29:14.637	0.1	37.3		5.22		TAS		35.3	1.09	m_e	mb	5.2
BUG	82.57		P	03:29:30.637	-0.2	37.3		5.22		TAS		24.5	0.92	m_e	mb	5.4
CLL	80.54		P	03:29:19.774	-0.4	37.3		5.22		TAS		66.6	0.99	m_e	mb	5.6
CLZ	81.12		P	03:29:23.395	-0.1	37.3		5.22		TAS		74.6	1.15	m_e	mb	5.6
FLT1	80.41		P	03:29:19.058	0.2	37.3		5.22		TAS		71.8	1.10	m_e	mb	5.6
FUR	83.71		P	03:29:36.726		37.3		5.22		TAS		71.2	0.85	m_e	mb	5.9
GEC2	82.18		P	03:29:28.658	-0.2	37.3		5.22		TAS		36.0	1.20	m_e	mb	5.4
GOR1	79.86		P	03:29:16.892	-0.0	37.3		5.22		TAS		83.4	1.30	m_e	mb	5.5
GRA1	82.51		P	03:29:31.016	-0.1	37.3		5.22		TAS		77.2	1.07	m_e	mb	5.9
GRA1	82.51		L	04:10:34.754						T__		310.4	20.70	a_e	Ms	4.7
GTTG	81.51		P	03:29:25.433	-0.4	37.3		5.22		TAS		52.7	1.07	m_e	mb	5.6
IBBN	81.69		P	03:29:26.342	0.1	37.3		5.22		TAS		88.4	1.20	m_e	mb	5.8
KAST	82.36		P	03:29:29.416	-0.1	37.3		5.22		TAS		21.0	1.00	m_e	mb	5.2
MANZ	81.93		P	03:29:27.774	0.2	37.3		5.22		TAS		5.0	0.88	m_e	mb	4.7
MOX	81.60		P	03:29:25.601	-0.2	37.3		5.22		TAS		43.1	1.38	m_e	mb	5.4
MOX	81.60		L	04:10:15.696						T__		336.8	19.70	a_e	Ms	4.7
NEUB	81.11		P	03:29:22.763	-0.2	37.3		5.22		TAS		75.5	1.06	m_e	mb	5.7
PLN	81.52		P	03:29:25.121	-0.0	37.3		5.22		TAS		39.4	2.04	m_e	mb	5.2
RETH	80.77		P	03:29:21.416	0.2	37.3		5.22		TAS		65.8	1.26	m_e	mb	5.5
RJOB	83.42		P	03:29:35.240		37.3		5.22		TAS		48.5	0.97	m_e	mb	5.7
ROTZ	82.06		P	03:29:28.447	0.5	37.3		5.22		TAS		21.1	1.52	m_e	mb	5.0
RUE	79.33		P	03:29:13.837	-0.4	37.3		5.22		TAS		65.6	1.12	m_e	mb	5.6
STU	84.04		P	03:29:38.131	0.0	37.3		5.22		TAS		156.1	1.13	m_e	mb	6.1
TANN	81.45		P	03:29:24.784	0.3	37.3		5.22		TAS		75.1	1.92	m_e	mb	5.5
TNS	83.14		P	03:29:33.752	0.3	37.3		5.22		TAS		16.0	0.90	m_e	mb	5.2
UBBA	82.08		P	03:29:28.041	-0.1	37.3		5.22		TAS		744.1	4.36	m_e	mb	6.1
WET	82.28		P	03:29:29.668	-0.4	37.3		5.22		TAS		32.1	1.08	m_e	mb	5.4
WLF	84.44		P	03:29:40.784	0.4	37.3		5.22		TAS		113.3	1.72	m_e	mb	5.8

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
520001 Crete, Greece	2020/05/20	02:33:07.40			34.1300	25.5800				10.0			5		15.89	21.11	m i ke	NOA

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	520007

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	19.16		P	02:16:42.228		137.1		11.03		TAS		21.2	0.75	m_e	mb 4.5
GEC2	17.15		P	02:16:19.831		137.1		11.03		TAS		20.9	1.13	m_e	mb 4.2
GRA1	18.81		P	02:16:38.149		137.1		11.03		TAS		37.4	0.95	m_e	mb 4.6
KBA	15.89		P	02:16:06.534	-0.3	137.1		11.03		TAS		22.0	0.65	m_e	mb 4.4
WLF	21.11		P	02:17:03.973		137.1		11.03		TAS		51.1	0.71	m_e	mb 5.0

Event 520003 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	11:12:16.10			33.8700	25.7800				43.0			9		16.76	20.71	m i ke	NOA
	520072																

Magnitude	Err	Nsta	Author	OrigID
mb 4.0			BGR	520009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FETA	17.38		P	11:16:17.395		137.6		11.15		TAS				m_e	
GEC2	17.45		P	11:16:17.853		137.6		11.15		TAS		4.8	0.77	m_e	mb 3.7
GRA1	19.12		P	11:16:36.951		137.6		11.15		TAS		11.9	0.57	m_e	mb 4.3
LESA	16.76		P	11:16:08.889	-0.3	137.6		11.15		TAS		11.9	1.00	m_e	mb 4.0
SQTA	17.29		P	11:16:15.872	0.4	137.6		11.15		TAS		10.2	0.65	m_e	mb 4.1
TNS	20.71		P	11:16:54.802		137.6		11.15		TAS				m_e	
WET	18.02		P	11:16:24.728		137.6		11.15		TAS		6.9	0.92	m_e	mb 3.8
WTTA			P	11:16:15.051	-1.5	137.6		11.15		TAS		38.8	1.39	m_e	mb 4.3
ZUGS	17.54		P	11:16:18.464		137.6		11.15		TAS				m_e	

Event 520005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	13:46:49.50			-16.1600	-173.4600				73.0					146.25	146.25	m i ke	NEIC
	520044																

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.25		PKP	14:06:21.379		82.1		3.46		TAS				m_e	
GRA1	146.25		PP	14:06:44.085		13.1		2.59		TAS				m_e	

Event 520006 Eastern Mediterranean Sea

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	15:44:51.00			35.2300	28.0200				9.0				7	16.87	20.66	m i ke	NOA
OrigID 520075																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	520012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	19.59		P	15:49:18.120		133.0		11.82		TAS		34.1	1.18	m_e	mb 4.5
GEC2	17.22		P	15:48:50.845		133.0		11.82		TAS				m_e	
GRA1	18.97		P	15:49:11.325		133.0		11.82		TAS		35.6	1.12	m_e	mb 4.5
MANZ	18.76		P	15:49:07.412		133.0		11.82		TAS		8.0	1.06	m_e	mb 3.9
MOX	19.46		P	15:49:17.441	0.9	133.0		11.82		TAS		54.4	1.16	m_e	mb 4.7
RJOB	16.87		P	15:48:44.301		133.0		11.82		TAS				m_e	
ROTZ	18.56		P	15:49:06.199	0.6	133.0		11.82		TAS				m_e	
TNS	20.66		P	15:49:29.335	-1.6	133.0		11.82		TAS		38.4	0.98	m_e	mb 4.7
WET	17.81		P	15:48:57.193		133.0		11.82		TAS		31.7	0.92	m_e	mb 4.4
ZUGS	17.61		P	15:48:54.766		133.0		11.82		TAS				m_e	

Event 520007 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	17:13:28.10			55.3490	-158.3980				38.3					74.84	74.84	m i ke	BGR
OrigID 520013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	520013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	74.84		P	17:25:04.326		350.8		5.24		TAS		12.0	1.06	m_e	mb 4.8
GRA1	74.84		pP	17:25:15.284						T__				m_e	

Event 520008 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	18:00:33.50			34.2300	25.6800				11.0				14	17.10	21.86	m i ke	NOA
OrigID 520077																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	520014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	19.13	P	18:04:55.377	-0.6	137.7	11.01	TAS	10.4	0.91	m_e	mb	4.1
BRG	18.70	P	18:04:49.020	0.9	137.7	11.01	TAS	3.3	0.86	m_e	mb	3.6
BUG	21.75	P	18:05:23.502		137.7	11.01	TAS	37.4	1.17	m_e	mb	4.7
CLL	19.38	P	18:04:57.093	-0.4	137.7	11.01	TAS	6.3	0.78	m_e	mb	3.9
CLZ	20.77	P	18:05:12.467		137.7	11.01	TAS	7.8	0.86	m_e	mb	4.1
FUR	17.59	P	18:04:37.416	-0.4	137.7	11.01	TAS	53.0	0.99	m_e	mb	4.6
GEC2	17.10	P	18:04:30.464	-0.9	137.7	11.01	TAS	7.7	0.83	m_e	mb	3.9
GRA1	18.76	P	18:04:51.644	0.4	137.7	11.01	TAS	21.3	0.88	m_e	mb	4.4
KAST	21.08	P	18:05:16.100		137.7	11.01	TAS	26.0	1.19	m_e	mb	4.4
MOX	19.35	P	18:04:57.396	-0.7	137.7	11.01	TAS	5.7	0.77	m_e	mb	3.9
RETH	21.86	P	18:05:24.007		137.7	11.01	TAS	26.6	0.99	m_e	mb	4.6
STU	19.00	P	18:04:54.995	-0.5	137.7	11.01	TAS	44.3	0.81	m_e	mb	4.7
TNS	20.36	P	18:05:08.320		137.7	11.01	TAS	17.1	0.78	m_e	mb	4.3
WET	17.66	P	18:04:38.237	0.9	137.7	11.01	TAS	12.6	0.95	m_e	mb	4.0

Event 520009 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	20:34:27.60			-25.7300	176.6500			33.0				26		150.31	154.93	m i ke	BGR
	520015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.51		PKPbc	20:54:18.302	0.6	37.5		2.63		TAS					m_e
ASSE	151.51		PKPab	20:54:31.158	-0.0	38.3		4.47		TAS					m_e
BRG	151.56		PKPbc	20:54:17.574	-0.2	37.5		2.63		TAS					m_e
BUG	153.00		PKPbc	20:54:22.903	0.1	37.5		2.63		TAS					m_e
CLL	151.51		PKPbc	20:54:17.490	-0.1	37.5		2.63		TAS					m_e
CLL	151.51		PKPab	20:54:29.601	-0.0	38.3		4.47		TAS					m_e
CLZ	151.85		PKPbc	20:54:19.926	0.1	37.5		2.63		TAS					m_e
FLT1	151.17		PKPbc	20:54:17.220	0.1	37.5		2.63		TAS					m_e
FLT1	151.17		PKPab	20:54:28.857	-0.0	38.3		4.47		TAS					m_e
FUR	154.77		PKPbc	20:54:26.151		37.5		2.63		TAS					m_e
FUR	154.77		PKPab	20:54:43.878	-0.0	38.3		4.47		TAS					m_e
GEC2	153.31		PKPbc	20:54:21.753	-0.4	37.5		2.63		TAS					m_e
GOR1	150.57		PKPbc	20:54:15.799	-0.3	37.5		2.63		TAS					m_e
GTTG	152.23		PKPbc	20:54:20.535	-0.3	37.5		2.63		TAS					m_e
GTTG	152.23		PKPab	20:54:34.405	-0.0	38.3		4.47		TAS					m_e
HLG	150.31		PKPab	20:54:28.519	-0.0	38.3		4.47		TAS					m_e
IBBN	152.09		PKPbc	20:54:20.400	-0.4	37.5		2.63		TAS					m_e
IBBN	152.09		PKPab	20:54:34.608	-0.0	38.3		4.47		TAS					m_e
KAST	152.95		PKPbc	20:54:22.497	0.1	37.5		2.63		TAS					m_e
MANZ	152.94		PKPbc	20:54:21.618	0.3	37.5		2.63		TAS					m_e
MANZ	152.94		PKPab	20:54:35.420	-0.0	38.3		4.47		TAS					m_e
MOX	152.53		PKPbc	20:54:20.670	-0.3	37.5		2.63		TAS					m_e

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MOX	152.53	PKPab	20:54:34.608	-0.0	38.3	4.47	TAS	m_e
NEUB	152.01	PKPbc	20:54:19.317	0.7	37.5	2.63	TAS	m_e
NEUB	152.01	PKPab	20:54:32.308	-0.0	38.3	4.47	TAS	m_e
PLN	152.49	PKPbc	20:54:20.332	0.2	37.5	2.63	TAS	m_e
RETH	151.31	PKPbc	20:54:18.487	0.0	37.5	2.63	TAS	m_e
RETH	151.31	PKPab	20:54:30.549	-0.0	38.3	4.47	TAS	m_e
RJOB	154.56	PKPbc	20:54:24.867	0.1	37.5	2.63	TAS	m_e
RJOB	154.56	PKPab	20:54:42.592	-0.0	38.3	4.47	TAS	m_e
ROTZ	153.09	PKPbc	20:54:21.415	-0.4	37.5	2.63	TAS	m_e
ROTZ	153.09	PKPab	20:54:35.961	-0.0	38.3	4.47	TAS	m_e
STU	154.93	PKPbc	20:54:27.030		37.5	2.63	TAS	m_e
TANN	152.45	PKPbc	20:54:20.873	0.2	37.5	2.63	TAS	m_e
TNS	153.84	PKPbc	20:54:24.662		37.5	2.63	TAS	m_e
UBBA	152.87	PKPbc	20:54:21.415	-0.2	37.5	2.63	TAS	m_e
WET	153.37	PKPbc	20:54:22.639	-0.0	37.5	2.63	TAS	m_e
WLF	154.92	PKPbc	20:54:28.181		37.5	2.63	TAS	m_e

Event 520010 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	20:57:19.10			34.2500	25.4800				3.0			11		17.00	21.77	m i ke	NOA
	520079																

Magnitude Err Nsta Author OrigID
mb 4.2 BGR 520016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	19.01		P	21:01:42.021		139.3		10.56		TAS		6.3	0.95	m_e mb	3.8
BUG	21.65		P	21:02:10.209		139.3		10.56		TAS		28.1	1.08	m_e mb	4.6
FUR	17.49		P	21:01:24.989	0.2	139.3		10.56		TAS		39.7	1.06	m_e mb	4.5
GEC2	17.00		P	21:01:21.946	-1.0	139.3		10.56		TAS		4.2	1.04	m_e mb	3.5
GRA1	18.66		P	21:01:37.619	0.4	139.3		10.56		TAS		28.2	1.27	m_e mb	4.3
GTTG	20.61		P	21:01:59.238		139.3		10.56		TAS		43.2	1.14	m_e mb	4.7
KAST	20.98		P	21:02:02.761		139.3		10.56		TAS		20.7	1.18	m_e mb	4.3
MANZ	18.54		P	21:01:36.040	0.9	139.3		10.56		TAS		1.3	1.03	m_e mb	3.1
RETH	21.77		P	21:02:10.990		139.3		10.56		TAS		26.9	1.23	m_e mb	4.5
TNS	20.26		P	21:01:55.020		139.3		10.56		TAS		43.2	1.55	m_e mb	4.5
WET	17.56		P	21:01:26.911	-0.9	139.3		10.56		TAS		10.0	1.15	m_e mb	3.8

Event 520011 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/20	23:43:15.90			35.2000	20.2200				10.0			27		13.69	20.84	m i ke	EMSC

520043

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	520017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	18.24		P	23:47:31.576		150.9		13.29		TAS		580.1	1.05	m_e	mb 5.6
BFO	15.80		P	23:46:57.464	-0.4	150.9		13.29		TAS		613.7	0.80	m_e	mb 5.8
BRG	16.31		P	23:47:03.895		150.9		13.29		TAS		229.2	0.94	m_e	mb 5.3
BUG	18.71		P	23:47:36.938		150.9		13.29		TAS		1679.7	1.31	m_e	mb 6.1
CLL	16.92		P	23:47:12.098		150.9		13.29		TAS		522.5	1.14	m_e	mb 5.6
CLZ	18.07		P	23:47:28.443		150.9		13.29		TAS		1913.4	1.93	m_e	mb 5.9
FLT1	18.28		P	23:47:31.083		150.9		13.29		TAS		341.8	1.18	m_e	mb 5.4
FUR	14.56		P	23:46:40.979	-0.3	150.9		13.29		TAS		585.4	0.79	m_e	
GEC2	14.46		S	23:49:11.475						T__				m_e	
GEC2	14.46		P	23:46:39.152	-0.9	150.9		13.29		TAS		197.9	0.80	m_e	
GOR1	18.87		P	23:47:37.915		150.9		13.29		TAS		1846.0	1.47	m_e	
GRA1	15.91		P	23:46:57.340	0.4	150.9		13.29		TAS		662.2	0.97	m_e	
GTTG	17.92		P	23:47:26.623		150.9		13.29		TAS		662.7	0.97	m_e	
HLG	20.84		P	23:47:58.782		150.9		13.29		TAS		2310.9	0.86	m_e	
IBBN	19.27		P	23:47:42.928		150.9		13.29		TAS		3126.4	1.51	m_e	
KAST	18.12		P	23:47:29.367		150.9		13.29		TAS		579.6	0.90	m_e	
MANZ	15.92		S	23:49:42.946						T__				m_e	
MANZ	15.92		P	23:46:57.377		150.9		13.29		TAS		197.8	1.21	m_e	
MOX	16.65		S	23:50:01.131						T__				m_e	
MOX	16.65		P	23:47:08.136		150.9		13.29		TAS		680.6	1.19	m_e	
NEUB	17.11		P	23:47:15.633		150.9		13.29		TAS		565.1	1.11	m_e	
PLN	16.36		P	23:47:04.331		150.9		13.29		TAS		235.6	1.17	m_e	
RETH	19.15		P	23:47:41.518		150.9		13.29		TAS		1275.9	1.34	m_e	
RGN	19.93		P	23:47:49.152		150.9		13.29		TAS		1476.0	1.05	m_e	
RJOB	13.69		P	23:46:29.299	-0.8	150.9		13.29		TAS		569.3	0.94	m_e	
ROTZ	15.69		S	23:49:35.986						T__				m_e	
ROTZ	15.69		P	23:46:55.572		150.9		13.29		TAS		126.4	0.89	m_e	
RUE	17.86		P	23:47:25.143		150.9		13.29		TAS		918.6	1.22	m_e	
STU	15.82		P	23:46:57.427	0.9	150.9		13.29		TAS		1678.4	0.95	m_e	
TANN	16.22		S	23:49:52.546						T__				m_e	
TANN	16.22		P	23:47:02.243		150.9		13.29		TAS		587.6	1.16	m_e	
TNS	17.29		P	23:47:18.591		150.9		13.29		TAS		2238.2	0.85	m_e	
UBBA	17.27		P	23:47:16.720		150.9		13.29		TAS		1467.2	1.69	m_e	
WET	14.94		P	23:46:45.377	-0.7	150.9		13.29		TAS		195.4	0.90	m_e	
WLF	17.75		P	23:47:24.857		150.9		13.29		TAS		661.4	0.92	m_e	

Event 521001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/21	03:50:09.90			-17.6000	-178.4900				498.0					146.96	146.96	m i ke	NEIC

521040

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.96		PKPbc	04:08:55.824		17.2		2.04		TAS					m_e

Event 521002 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/21	04:28:55.55			14.3410	-93.5360				28.9					88.44	88.44	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 521008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.44		P	04:41:44.215		282.2		5.37		TAS		5.4	1.10	m_e mb	4.8
GRA1	88.44		pP	04:41:52.653						T__				m_e	

Event 521003 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/21	06:19:41.30			34.0400	25.6100				10.0				13	17.72	22.00	m i ke	EMSC

Magnitude Err Nsta Author OrigID
mb 4.0 BGR 521009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	19.24		P	06:24:06.131	-0.2	137.5		10.83		TAS		17.0	1.46	m_e mb	4.1
BRG	18.85		P	06:23:59.088	1.8	137.5		10.83		TAS		22.5	2.11	m_e mb	4.0
BUG	21.88		P	06:24:33.127		137.5		10.83		TAS		18.5	1.27	m_e mb	4.4
FUR	17.72		P	06:23:47.058	-2.2	137.5		10.83		TAS		14.4	0.72	m_e mb	4.2
GRA1	18.90		P	06:24:01.284	1.7	137.5		10.83		TAS		17.7	1.09	m_e mb	4.2
GTTG	20.84		P	06:24:21.096		137.5		10.83		TAS		23.2	0.92	m_e mb	4.5
KAST	21.22		P	06:24:25.204		137.5		10.83		TAS		11.6	1.29	m_e mb	4.1
MANZ	18.77		P	06:23:58.771	-0.5	137.5		10.83		TAS		0.9	0.97	m_e mb	3.0
NEUB	19.87		P	06:24:11.912		137.5		10.83		TAS		6.7	0.63	m_e mb	4.0
RETH	22.00		P	06:24:33.420		137.5		10.83		TAS		17.9	1.23	m_e mb	4.4
TANN	18.99		P	06:24:00.262	-0.1	137.5		10.83		TAS		7.9	1.10	m_e mb	3.9
TNS	20.49		P	06:24:18.236		137.5		10.83		TAS		7.6	0.71	m_e mb	4.0
WET	17.80		P	06:23:48.525	1.3	137.5		10.83		TAS		12.7	1.48	m_e mb	3.8

Event 521005 Zaire
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/21 12:57:33.70 -9.6600 23.9800 10.0 60.18 60.18 m i ke NEIC
 521044

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 521011

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 60.18 P 13:07:40.836 165.5 6.95 TAS 23.6 1.32 m_e mb 5.0

Event 521006 Crete, Greece
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/21 14:05:59.20 34.0400 25.5400 10.0 16 17.21 21.98 m i ke EMSC
 521038

Magnitude Err Nsta Author OrigID
 mb 4.2 BGR 521012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 BFO 19.21 P 14:10:21.750 -0.8 139.2 10.87 TAS 17.8 0.95 m_e mb 4.3
 BUG 21.85 P 14:10:50.809 139.2 10.87 TAS 27.4 0.89 m_e mb 4.7
 CLZ 20.89 P 14:10:39.618 139.2 10.87 TAS 9.3 0.77 m_e mb 4.2
 FLT1 20.97 P 14:10:40.099 139.2 10.87 TAS 16.2 0.68 m_e mb 4.5
 GEC2 17.21 P 14:09:57.325 0.0 139.2 10.87 TAS 10.4 0.86 m_e mb 4.0
 GRA1 18.87 P 14:10:19.946 0.1 139.2 10.87 TAS 54.1 1.33 m_e mb 4.6
 GTTG 20.81 P 14:10:40.056 139.2 10.87 TAS 60.5 0.97 m_e mb 4.9
 KAST 21.19 P 14:10:43.649 139.2 10.87 TAS 26.9 1.09 m_e mb 4.5
 MANZ 18.75 P 14:10:16.758 0.2 139.2 10.87 TAS 3.1 0.87 m_e mb 3.5
 MOX 19.46 P 14:10:27.045 -0.5 139.2 10.87 TAS 8.0 0.90 m_e mb 4.0
 PLN 19.13 P 14:10:23.149 0.2 139.2 10.87 TAS 3.2 0.74 m_e mb 3.6
 RETH 21.98 P 14:10:51.651 139.2 10.87 TAS 45.5 1.25 m_e mb 4.8
 ROTZ 18.53 P 14:10:16.216 1.0 139.2 10.87 TAS 1.6 0.93 m_e mb 3.2
 TANN 18.96 P 14:10:19.465 2.0 139.2 10.87 TAS 22.1 1.07 m_e mb 4.3
 TNS 20.46 P 14:10:36.309 139.2 10.87 TAS 29.6 0.67 m_e mb 4.7
 WET 17.77 P 14:10:06.784 -0.6 139.2 10.87 TAS 37.2 1.33 m_e mb 4.3

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
522002 Crete, Greece	2020/05/22	03:40:30.00			34.4000	25.8500				10.0			26		16.53	22.09	m i ke	EMSC
		522034																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	522008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	20.80		P	03:45:07.749	0.8	138.5		10.90		TAS		70.0	1.24	m_e	mb	4.8
BFO	19.08		P	03:44:51.023	-0.3	138.5		10.90		TAS		34.3	0.94	m_e	mb	4.6
BRG	18.60		P	03:44:44.361	0.4	138.5		10.90		TAS		25.6	1.20	m_e	mb	4.3
BUG	21.69		P	03:45:19.193	-0.1	138.5		10.90		TAS		95.9	1.11	m_e	mb	5.1
CLL	19.29		P	03:44:52.783	1.7	138.5		10.90		TAS		45.5	1.30	m_e	mb	4.5
CLZ	20.69		P	03:45:07.455	-1.1	138.5		10.90		TAS		76.5	1.58	m_e	mb	4.8
FLT1	20.75		P	03:45:07.455	-0.3	138.5		10.90		TAS		61.7	1.25	m_e	mb	4.8
FUR	17.53		P	03:44:34.297	0.5	138.5		10.90		TAS		129.1	1.15	m_e	mb	5.0
GEC2	17.01		P	03:44:28.428	0.4	138.5		10.90		TAS		24.2	0.93	m_e	mb	4.3
GOR1	21.27		P	03:45:12.150	-0.2	138.5		10.90		TAS		66.6	1.29	m_e	mb	4.8
GRA1	18.69		P	03:44:46.328	-0.2	138.5		10.90		TAS		84.1	1.02	m_e	mb	4.9
GTTG	20.62		P	03:45:07.162	-0.6	138.5		10.90		TAS		136.5	0.98	m_e	mb	5.2
IBBN	22.09		P	03:45:23.594		138.5		10.90		TAS		31.5	0.84	m_e	mb	4.8
KAST	21.01		P	03:45:11.563	-1.0	138.5		10.90		TAS		38.0	0.95	m_e	mb	4.7
MANZ	18.55		P	03:44:43.608	-1.2	138.5		10.90		TAS		6.0	1.02	m_e	mb	3.8
MOX	19.27		P	03:44:52.197	1.0	138.5		10.90		TAS		82.9	1.60	m_e	mb	4.7
NEUB	19.64		P	03:44:58.065	1.6	138.5		10.90		TAS		42.7	0.92	m_e	mb	4.7
RETH	21.78		P	03:45:19.486		138.5		10.90		TAS		258.2	1.61	m_e	mb	5.4
RJOB	16.53		P	03:44:20.905	-2.1	138.5		10.90		TAS		25.7	1.06	m_e	mb	4.3
ROTZ	18.34		P	03:44:42.180	-0.4	138.5		10.90		TAS		18.5	1.68	m_e	mb	3.9
RUE	20.02		P	03:44:59.826	-0.4	138.5		10.90		TAS		185.0	1.56	m_e	mb	5.1
STU	18.94		P	03:44:48.969	1.4	138.5		10.90		TAS		128.9	0.86	m_e	mb	5.2
TANN	18.76		P	03:44:48.088	1.3	138.5		10.90		TAS		54.3	1.20	m_e	mb	4.7
TNS	20.30		P	03:45:03.641	-0.5	138.5		10.90		TAS		61.4	0.90	m_e	mb	4.8
WET	17.58		P	03:44:33.754	-0.5	138.5		10.90		TAS		76.1	1.48	m_e	mb	4.6
WLF	21.03		P	03:45:11.857	-0.0	138.5		10.90		TAS		52.4	0.86	m_e	mb	4.9

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
522005 Off west coast of Baja California, Mexico	2020/05/22	08:46:06.70			22.4000	-108.1600				10.0					89.96	90.33	m i ke	NEIC
		522044																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	522011
Ms	6.6		BGR	522011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.33		S	09:09:51.178		295.4		9.96		TAS				m_e	
GRA1	90.33		P	08:59:07.218		305.2		4.52		TAS		55.1	1.71	m_e mb	5.5
GRA1	90.33		L	09:38:18.008						T__		18103.9	19.50	a_e Ms	6.5
MOX	89.96		L	09:39:38.035						T__		27102.6	19.20	a_e Ms	6.7

Event 522008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/22	17:06:38.10			-15.2600	-177.7600				425.0					144.80	144.80	m i ke	NEIC
	522047																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.80		PKP	17:25:25.835		15.2		1.93		TAS				m_e	

Event 522009 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/22	18:38:21.60			32.8600	85.5100				39.0					56.01	56.01	m i ke	NEIC
	522048																

Magnitude Err Nsta Author OrigID

mb 4.6 BGR 522015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	56.01		P	18:47:57.302		77.7		5.78		TAS		10.6	1.70	m_e mb	4.6

Event 522010 Northwest of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/22	19:33:20.22			29.2670	126.2570				33.0				29	78.57	84.82	m i ke	BGR
	522016																

Magnitude Err Nsta Author OrigID

mb 5.4 BGR 522016

Ms 4.8 BGR 522016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.28		P	19:45:31.241	0.0	52.9		5.22		TAS		24.4	0.84	a_e	mb 5.3
BFO	84.82		P	19:45:49.490	1.4	52.9		5.22		TAS		8.7	0.96	m_e	mb 5.0
BRG	80.37		P	19:45:26.491	-1.0	52.9		5.22		TAS		13.0	0.71	a_e	mb 5.0
BUG	83.36		P	19:45:42.491	-0.2	52.9		5.22		TAS		53.7	1.60	a_e	mb 5.5
CLL	80.60		P	19:45:28.491	-0.2	52.9		5.22		TAS		55.8	0.73	a_e	mb 5.7
CLZ	81.60		P	19:45:34.341	0.0	52.9		5.22		TAS		85.0	0.88	m_e	mb 5.9
FLT1	80.88		P	19:45:29.841	-0.3	52.9		5.22		TAS		55.4	0.79	a_e	mb 5.6
FUR	83.37		P	19:45:43.341	-0.6	52.9		5.22		TAS		89.8	1.09	a_e	mb 5.9
GEC2	81.67		P	19:45:34.291	0.3	52.9		5.22		TAS		16.6	0.84	a_e	mb 5.2
GOR1	80.45		P	19:45:28.491	0.6	52.9		5.22		TAS		91.8	1.09	a_e	mb 5.7
GRA1	82.48		P	19:45:38.891	-0.1	52.9		5.22		TAS		59.4	0.98	a_e	mb 5.8
GRA1	82.48		L	20:27:48.134						T__		391.3	19.20	a_e	Ms 4.8
GTTG	81.98		P	19:45:36.091	0.2	52.9		5.22		TAS		64.7	0.86	a_e	mb 5.8
IBBN	82.57		P	19:45:38.591	0.2	52.9		5.22		TAS		51.4	0.84	a_e	mb 5.8
KAST	82.96		P	19:45:40.891	0.2	52.9		5.22		TAS		21.9	0.86	a_e	mb 5.4
MANZ	81.84		P	19:45:35.341	0.0	52.9		5.22		TAS		7.5	1.03	a_e	mb 4.8
MOX	81.70		P	19:45:34.391	0.2	52.9		5.22		TAS		16.1	0.92	a_e	mb 5.2
MOX	81.70		L	20:27:23.516						T__		317.2	18.70	a_e	Ms 4.7
NEUB	81.30		P	19:45:32.291	0.0	52.9		5.22		TAS		75.3	0.76	a_e	mb 5.8
PLN	81.52		P	19:45:33.491	-0.0	52.9		5.22		TAS		11.4	1.05	a_e	mb 4.9
RETH	81.54		P	19:45:33.541	0.1	52.9		5.22		TAS		45.5	1.11	a_e	mb 5.5
RGN	78.57		P	19:45:18.191	0.2	52.9		5.22		TAS		94.6	0.89	a_e	mb 5.8
RJOB	82.81		P	19:45:40.441	-0.6	52.9		5.22		TAS		33.5	0.98	a_e	mb 5.5
ROTZ	81.92		P	19:45:35.841	0.2	52.9		5.22		TAS		11.5	0.93	a_e	mb 5.0
RUE	79.54		P	19:45:23.391	0.3	52.9		5.22		TAS		46.3	0.67	a_e	mb 5.5
STU	84.09		P	19:45:46.291	-0.8	52.9		5.22		TAS		36.9	0.69	a_e	mb 5.7
TANN	81.41		P	19:45:32.991	0.5	52.9		5.22		TAS		26.0	1.11	a_e	mb 5.2
TNS	83.56		P	19:45:43.941	0.2	52.9		5.22		TAS		7.8	0.61	a_e	mb 5.1
UBBA	82.41		P	19:45:38.291	0.4	52.9		5.22		TAS		29.0	1.11	a_e	mb 5.3
WET	81.94		P	19:45:35.841	-0.3	52.9		5.22		TAS		16.7	1.18	a_e	mb 5.0

Event 523001 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	00:13:36.60			-7.1300	129.1200				112.0					113.30	113.30	m i ke	NEIC
	523040																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	113.30		PKP	00:32:00.651		81.1		0.90		TAS				m_e	
GRA1	113.30		PP	00:32:47.600		77.4		6.40		TAS				m_e	

Event 523002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	02:10:38.51			17.8300	120.0050				33.0					88.12	88.12	m i ke	BGR
OrigID 523008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	523008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.12		P	02:23:25.581		70.1		4.75		TAS		46.5	1.80	m_e	mb 5.5

Event 523003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	06:23:17.80			-15.2800	-173.1900				10.0					145.40	145.40	m i ke	NEIC
OrigID 523042																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.40		PKP	06:42:55.583		7.5		3.05		TAS				m_e	

Event 523004 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	07:42:08.90			33.3990	138.5680				33.0					84.92	84.92	m i ke	BGR
OrigID 523010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	523010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.92		P	07:54:39.939		48.7		4.49		TAS		8.6	0.93	m_e	mb 5.0

Event 523005 Kodiak Island, Alaska, United States, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	08:52:04.40			56.1300	-154.4900				24.0					73.75	73.75	m i ke	NEIC
OrigID																	

523044

Magnitude Err Nsta Author OrigID
 mb 4.5 BGR 523011

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 73.75 P 09:03:38.398 351.7 5.35 TAS 4.2 0.85 m_e mb 4.5

Event 523007 Eastern Mediterranean Sea

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/23 16:09:12.90 33.9600 25.4600 10.0 18.91 18.91 m i ke EMSC
 523039

Magnitude Err Nsta Author OrigID
 mb 4.4 BGR 523013

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 18.91 P 16:13:31.516 140.9 11.97 TAS 34.0 1.50 m_e mb 4.4

Event 523008 Crete, Greece

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/23 22:50:11.20 34.1100 25.4500 10.0 29 16.60 22.18 m i ke EMSC
 523040

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 523014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 ASSE 20.91 P 22:54:52.690 -0.6 140.7 11.35 TAS 99.9 1.13 m_e mb 5.0
 BFO 19.11 P 22:54:34.360 2.1 140.7 11.35 TAS 95.8 0.97 m_e mb 5.0
 BRG 18.73 P 22:54:27.993 0.4 140.7 11.35 TAS 23.1 0.70 m_e mb 4.5
 BUG 21.75 P 22:55:02.461 -1.1 140.7 11.35 TAS 417.7 1.12 m_e mb 5.8
 CLL 19.41 P 22:54:36.813 1.2 140.7 11.35 TAS 57.1 0.79 m_e mb 4.9
 CLZ 20.79 P 22:54:51.240 -1.0 140.7 11.35 TAS 141.4 1.24 m_e mb 5.2
 FLT1 20.87 P 22:54:51.160 -1.4 140.7 11.35 TAS 181.7 1.25 m_e mb 5.3
 FUR 17.59 P 22:54:17.294 1.2 140.7 11.35 TAS 613.0 1.14 m_e mb 5.6
 GEC2 17.12 P 22:54:08.888 -1.6 140.7 11.35 TAS 97.0 1.35 m_e mb 4.8
 GOR1 21.39 P 22:54:57.231 -0.7 140.7 11.35 TAS 179.7 1.47 m_e mb 5.2
 GRA1 18.77 P 22:54:30.559 0.9 140.7 11.35 TAS 179.8 0.96 m_e mb 5.3
 GTTG 20.72 P 22:54:51.233 -0.3 140.7 11.35 TAS 891.1 1.28 m_e mb 5.9
 IBBN 22.18 P 22:55:07.384 -1.0 140.7 11.35 TAS 231.2 1.14 m_e mb 5.5

KAST	21.09	P	22:54:55.230	-0.8	140.7	11.35	TAS	288.8	1.17	m_e	mb	5.5
MANZ	18.65	P	22:54:27.651	-0.4	140.7	11.35	TAS	19.0	1.12	m_e	mb	4.2
MOX	19.37	P	22:54:36.032	-0.1	140.7	11.35	TAS	56.3	0.96	m_e	mb	4.8
NEUB	19.75	P	22:54:41.633	1.4	140.7	11.35	TAS	79.7	0.89	m_e	mb	5.0
PLN	19.03	P	22:54:32.710	0.5	140.7	11.35	TAS	20.0	0.93	m_e	mb	4.3
RETH	21.88	P	22:55:03.491	-1.0	140.7	11.35	TAS	478.0	1.29	m_e	mb	5.8
RGN	22.13	P	22:55:04.968	1.9	140.7	11.35	TAS	77.9	0.85	m_e	mb	5.2
RJOB	16.60	P	22:54:01.606	-3.4	140.7	11.35	TAS	106.6	1.37	m_e	mb	4.8
ROTZ	18.44	P	22:54:24.583	-1.1	140.7	11.35	TAS	16.4	1.19	m_e	mb	4.0
RUE	20.17	P	22:54:44.182	1.6	140.7	11.35	TAS	146.3	1.20	m_e	mb	5.1
STU	18.99	P	22:54:32.909	1.3	140.7	11.35	TAS	383.8	0.90	m_e	mb	5.6
TANN	18.86	P	22:54:30.439	0.2	140.7	11.35	TAS	165.9	1.09	m_e	mb	5.2
TNS	20.36	P	22:54:47.249	-0.3	140.7	11.35	TAS	121.0	0.84	m_e	mb	5.2
UBBA	20.14	P	22:54:44.388	-0.8	140.7	11.35	TAS	167.5	1.45	m_e	mb	5.1
WET	17.68	P	22:54:18.205	1.2	140.7	11.35	TAS	156.2	1.28	m_e	mb	5.0
WLF	21.06	P	22:54:56.114	1.7	140.7	11.35	TAS	215.3	0.95	m_e	mb	5.5

Event 523009 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	23:02:30.49			-14.2320	67.2020				33.0					80.46	80.46	m i ke	BGR
OrigID 523015																	

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 523015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.46		P	23:14:40.181		126.1		6.42		TAS		41.3	1.25	m_e	mb 5.2

Event 523010 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/23	23:45:01.82			-15.7780	67.4790				33.0					81.89	81.89	m i ke	BGR
OrigID 523016																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 523016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.89		P	23:57:19.149		124.1		6.44		TAS		12.1	1.26	m_e	mb 4.9

Event 524001 Mid-Indian Ridge
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/24 00:28:02.08 -14.3550 66.7550 33.0 80.32 80.32 m i ke BGR
 524007

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 524007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 80.32 P 00:40:11.088 124.3 6.51 TAS 18.2 1.62 m_e mb 4.8

Event 524002 Near coast of Chiapas, Mexico
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/24 03:52:27.38 14.8800 -92.7100 33.0 26 84.40 89.34 m i ke BGR
 524008

Magnitude Err Nsta Author OrigID
 mb 5.4 BGR 524008
 Ms 5.3 BGR 524008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 ASSE 86.36 P 04:05:07.164 -0.3 289.8 4.85 TAS 87.3 1.73 a_e mb 5.6
 BFO 86.17 P 04:05:05.364 289.8 4.85 TAS 16.3 1.14 a_e mb 5.1
 BRG 88.72 P 04:05:18.014 -0.0 289.8 4.85 TAS 13.1 1.04 a_e mb 5.2
 BUG 84.57 P 04:04:58.014 0.1 289.8 4.85 TAS 27.3 1.10 a_e mb 5.4
 CLL 88.00 P 04:05:14.764 -0.4 289.8 4.85 TAS 19.9 1.26 a_e mb 5.3
 CLZ 86.28 P 04:05:06.914 -0.2 289.8 4.85 TAS 89.4 1.82 a_e mb 5.6
 FLT1 86.62 P 04:05:07.764 0.1 289.8 4.85 TAS 84.0 1.73 a_e mb 5.6
 GEC2 89.34 P 04:05:20.964 0.2 289.8 4.85 TAS 14.0 1.18 a_e mb 5.1
 GOR1 86.43 P 04:05:07.314 -0.1 289.8 4.85 TAS 165.1 1.99 a_e mb 5.8
 GRA1 87.52 P 04:05:12.964 -0.1 289.8 4.85 TAS 141.6 2.12 a_e mb 5.7
 GRA1 87.52 L 04:45:23.030 T__ 889.4 20.20 a_e Ms 5.2
 GTTG 86.14 P 04:05:06.014 -0.0 289.8 4.85 TAS 25.6 1.08 a_e mb 5.3
 IBBN 84.60 P 04:04:58.314 0.3 289.8 4.85 TAS 40.0 0.98 a_e mb 5.6
 KAST 85.33 P 04:05:01.914 0.1 289.8 4.85 TAS 27.9 1.09 a_e mb 5.4
 MANZ 87.95 P 04:05:14.814 0.4 289.8 4.85 TAS a_e
 MOX 87.42 P 04:05:12.114 -0.0 289.8 4.85 TAS 38.4 1.56 a_e mb 5.3
 MOX 87.42 L 04:45:30.091 T__ 1334.3 19.80 a_e Ms 5.3
 NEUB 87.32 P 04:05:11.714 0.0 289.8 4.85 TAS a_e
 PLN 87.80 P 04:05:13.914 0.1 289.8 4.85 TAS 4.4 0.98 a_e mb 4.5
 RETH 85.40 P 04:05:02.664 -0.5 289.8 4.85 TAS 99.0 1.66 a_e mb 5.8
 RJOB 89.19 P 04:05:20.814 289.8 4.85 TAS a_e
 ROTZ 88.09 P 04:05:15.664 0.1 289.8 4.85 TAS a_e

STU	86.57	P	04:05:07.864	289.8	4.85	TAS	50.8	0.92	a_e mb	5.6
TANN	88.01	P	04:05:15.014	0.3 289.8	4.85	TAS	15.6	1.13	a_e mb	5.2
TNS	85.65	P	04:05:03.464	0.2 289.8	4.85	TAS	34.0	0.87	a_e mb	5.6
UBBA	86.40	P	04:05:07.264	0.1 289.8	4.85	TAS	111.7	1.99	m_e mb	5.7
WET	88.72	P	04:05:18.514	-0.6 289.8	4.85	TAS	17.1	1.20	a_e mb	5.3
WLF	84.40	P	04:04:57.614	-0.4 289.8	4.85	TAS	50.8	1.16	a_e mb	5.6

Event 524003 Western Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/24	09:11:50.39			32.2290	49.2340				33.0					33.14	33.14	m i ke	BGR
OrigID 524009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	524009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	33.14		P	09:18:23.512		111.4		9.51		TAS		37.5	1.39	m_e mb	5.1

Event 524004 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/24	09:36:30.53			33.8890	138.3520				136.7					84.41	84.41	m i ke	BGR
OrigID 524010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	524010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.41		P	09:48:46.521		46.5		4.28		TAS		12.9	1.00	m_e mb	5.1
GRA1	84.41		pP	09:49:21.060						T__				m_e	
GRA1	84.41		PP	09:52:12.453		34.2		7.07		TAS				m_e	

Event 524007 Cook Strait, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/24	19:53:32.90			-40.3900	174.9700				52.0					165.25	165.25	m i ke	NEIC
OrigID 524046																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.25		PKPab	20:14:26.681		57.1		4.03		TAS				m_e	

Event 525001 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/25	00:06:26.20			-20.5900	172.5200				10.0					146.38	147.32	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	525007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.32		PKP	00:26:10.011		33.9		2.05		TAS				m_e	
GRA1	147.32		L	01:23:06.236						T__		84.6	19.80	a_e Ms	4.5
MOX	146.38		L	01:22:25.345						T__		63.8	20.50	a_e Ms	4.4

Event 525005 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/25	14:42:10.37			23.7740	95.2760				63.9					68.48	68.48	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	525011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	68.48		P	14:53:05.028		86.1		5.35		TAS		27.9	1.04	m_e mb	5.4
GRA1	68.48		pP	14:53:22.241						T__				m_e	

Event 526001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/26	03:46:58.30			-22.5400	170.9600				10.0					148.50	148.50	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1 148.50 PKP 04:06:42.399 37.9 1.74 TAS m_e

Event 526002 Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2020/05/26 05:18:29.88 47.6600 151.9400 33.0 27 72.23 79.18 m i ke BGR
526008

Magnitude Err Nsta Author OrigID
mb 5.4 BGR 526008
Ms 5.2 BGR 526008

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists various station data points for the event.

Event 526003 Off east coast of Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/26 05:58:03.73 34.1010 141.2680 33.0 27 82.87 87.70 m i ke BGR
 526009

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 526009
 Ms 5.3 BGR 526009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	83.79		P	06:10:28.532	0.1	39.5		4.99		TAS		17.2	1.23	a_e	mb 5.2
BFO	87.70		P	06:10:47.682		39.5		4.99		TAS		8.0	0.75	a_e	mb 5.1
BRG	83.42		P	06:10:26.782	0.1	39.5		4.99		TAS		17.5	1.19	a_e	mb 5.2
BUG	85.63		P	06:10:37.382	-0.1	39.5		4.99		TAS		30.5	1.01	a_e	mb 5.4
CLL	83.48		P	06:10:26.782	-0.1	39.5		4.99		TAS		23.4	1.01	a_e	mb 5.4
CLZ	84.12		P	06:10:30.582	-0.4	39.5		4.99		TAS		29.9	1.05	a_e	mb 5.5
FLT1	83.41		P	06:10:26.132	0.2	39.5		4.99		TAS		20.8	1.22	a_e	mb 5.2
FUR	86.61		P	06:10:42.832		39.5		4.99		TAS		20.4	0.73	a_e	mb 5.3
GEC2	85.05		P	06:10:34.782	-0.5	39.5		4.99		TAS		11.9	0.87	a_e	mb 5.1
GOR1	82.87		P	06:10:24.082	-0.4	39.5		4.99		TAS		128.6	2.27	a_e	mb 5.8
GRA1	85.45		P	06:10:37.432	-0.1	39.5		4.99		TAS		42.3	1.05	a_e	mb 5.5
GRA1	85.45		L	06:57:14.783						T__		964.0	18.70	a_e	Ms 5.2
GTTG	84.52		P	06:10:32.332	-0.3	39.5		4.99		TAS		25.5	1.04	a_e	mb 5.4
IBBN	84.75		P	06:10:33.130	-0.1	39.5		4.99		TAS		24.6	0.96	m_e	mb 5.4
KAST	85.38		P	06:10:36.532	-0.0	39.5		4.99		TAS		18.6	0.97	a_e	mb 5.3
MANZ	84.86		P	06:10:34.132	-0.0	39.5		4.99		TAS		3.1	0.92	a_e	mb 4.5
MOX	84.55		P	06:10:32.532	0.1	39.5		4.99		TAS		14.7	1.01	a_e	mb 5.2
MOX	84.55		L	06:52:13.469						T__		1449.4	18.00	a_e	Ms 5.4
NEUB	84.07		P	06:10:29.932	-0.2	39.5		4.99		TAS		36.9	1.15	a_e	mb 5.5
PLN	84.46		P	06:10:32.132	-0.1	39.5		4.99		TAS		3.5	0.92	a_e	mb 4.6
RETH	83.81		P	06:10:28.682	1.2	39.5		4.99		TAS		16.8	1.37	a_e	mb 5.1
ROTZ	84.98		P	06:10:35.082	0.5	39.5		4.99		TAS		7.1	1.18	a_e	mb 4.8
STU	87.00		P	06:10:44.382	0.1	39.5		4.99		TAS		81.2	1.13	a_e	mb 5.8
TANN	84.38		P	06:10:31.732	0.1	39.5		4.99		TAS		12.8	1.26	m_e	mb 5.0
TNS	86.15		P	06:10:40.332	0.5	39.5		4.99		TAS		13.1	0.79	a_e	mb 5.1
UBBA	85.07		P	06:10:34.882	0.2	39.5		4.99		TAS		55.8	1.94	a_e	mb 5.5
WET	85.17		P	06:10:35.882	-0.3	39.5		4.99		TAS		16.0	1.27	a_e	mb 5.1
WLF	87.48		P	06:10:47.082	0.3	39.5		4.99		TAS		41.4	1.38	a_e	mb 5.6

Event 526004 Kuril Islands, Russia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/26 06:24:12.56 46.1600 151.3900 33.0 19 75.99 80.40 m i ke BGR
 526010

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	76.33		P	06:35:59.560	0.6	26.9		5.52		TAS		12.7	0.99	m_e	5.0	
BFO	80.40		P	06:36:21.088		26.9		5.52		TAS		10.3	0.96	m_e	4.8	
CLL	76.38		P	06:35:59.430	-0.2	26.9		5.52		TAS		15.0	0.74	m_e	5.2	
CLZ	76.67		P	06:36:01.843	-0.0	26.9		5.52		TAS		15.6	0.83	m_e	5.2	
FLT1	75.99		P	06:35:57.147	0.3	26.9		5.52		TAS		19.5	0.92	m_e	5.2	
GEC2	78.34		P	06:36:10.911		26.9		5.52		TAS		5.1	0.79	m_e	4.7	
GRA1	78.35		P	06:36:11.563		26.9		5.52		TAS		24.5	0.81	m_e	5.4	
IBBN	76.95		P	06:36:03.605	0.1	26.9		5.52		TAS		16.9	0.81	m_e	5.2	
KAST	77.78		P	06:36:07.715	0.5	26.9		5.52		TAS		12.2	0.88	m_e	5.0	
MANZ	77.82		P	06:36:08.171	-1.1	26.9		5.52		TAS		1.9	0.87	m_e	4.2	
MOX	77.38		P	06:36:05.431	0.8	26.9		5.52		TAS		10.3	0.98	m_e	4.9	
NEUB	76.85		P	06:36:02.822	-0.1	26.9		5.52		TAS		13.1	0.89	m_e	5.1	
PLN	77.36		P	06:36:05.692	0.0	26.9		5.52		TAS		2.6	0.99	m_e	4.3	
RETH	76.14		P	06:35:57.929	0.3	26.9		5.52		TAS		11.2	1.05	m_e	4.9	
ROTZ	77.98		P	06:36:08.628		26.9		5.52		TAS		2.0	0.93	m_e	4.2	
TANN	77.33		P	06:36:05.040	-0.2	26.9		5.52		TAS		2.8	0.86	m_e	4.4	
TNS	78.65		P	06:36:12.999		26.9		5.52		TAS		10.7	0.81	m_e	4.9	
UBBA	77.69		P	06:36:06.997	0.2	26.9		5.52		TAS		4.8	0.83	m_e	4.7	
WET	78.33		P	06:36:10.715		26.9		5.52		TAS		10.5	0.87	m_e	5.0	

Event 526005 Kuril Islands, Russia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/26 07:32:50.19 48.1860 154.4790 33.0 77.36 77.36 m i ke BGR
 526011

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 526011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.36		P	07:44:40.856		21.4		4.77		TAS		10.0	0.86	m_e mb	5.0

Event 526008 Sichuan, China
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/26 12:34:50.10 29.1600 103.7500 10.0 69.87 69.87 m i ke EMSC
 526040

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 526014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	69.87		P	12:46:01.694		68.5		5.35		TAS		5.0	0.73	m_e mb	4.7

Event 526009 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/26	13:53:32.40			34.1200	25.6800				10.0					18.86	18.86	m i ke	EMSC
OrigID 526041																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.2			BGR	526015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	18.86		P	13:57:51.630		140.2		12.10		TAS		18.3	1.28	m_e mb	4.2

Event 527002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/27	01:09:52.80			34.1100	26.6700				10.0				29	17.60	24.02	m i ke	EMSC
OrigID 527034																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.8			BGR	527008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	21.37		P	01:14:33.513	-1.3	138.0		10.86		TAS		26.4	0.95	m_e mb	4.5
BFO	19.73		P	01:14:14.856	0.4	138.0		10.86		TAS		35.8	0.73	m_e mb	4.7
BRG	19.15		P	01:14:11.463	1.3	138.0		10.86		TAS		12.7	0.76	m_e mb	4.2
BUG	22.30		P	01:14:43.950	-0.5	138.0		10.86		TAS		133.3	1.26	m_e mb	5.2
CLL	19.84		P	01:14:18.378	0.5	138.0		10.86		TAS		23.7	0.73	m_e mb	4.5
CLZ	21.27		P	01:14:34.034	0.3	138.0		10.86		TAS		34.0	0.85	m_e mb	4.7
FLT1	21.31		P	01:14:33.643	-0.4	138.0		10.86		TAS		39.3	0.83	m_e mb	4.8
FUR	18.15		P	01:13:59.069	0.0	138.0		10.86		TAS		246.3	1.31	m_e mb	5.2
GEC2	17.60		P	01:13:52.407	-1.4	138.0		10.86		TAS		32.7	0.86	m_e mb	4.5
GOR1	21.82		P	01:14:38.992	-0.3	138.0		10.86		TAS		99.0	1.49	m_e mb	5.0
GRA1	19.29		P	01:14:12.116	0.1	138.0		10.86		TAS		134.8	1.22	m_e mb	5.0
GTTG	21.21		P	01:14:33.904	0.8	138.0		10.86		TAS		205.3	0.92	m_e mb	5.5
HLG	24.02		P	01:15:00.259	-3.4	138.0		10.86		TAS		105.7	0.93	m_e mb	5.3
IBBN	22.69		P	01:14:48.908	-0.2	138.0		10.86		TAS		33.0	0.87	m_e mb	4.9
KAST	21.62		P	01:14:37.948	0.7	138.0		10.86		TAS		62.0	0.99	m_e mb	5.0
MANZ	19.14		P	01:14:09.637	-0.9	138.0		10.86		TAS		6.6	0.85	m_e mb	3.9
MOX	19.85		P	01:14:18.639	0.4	138.0		10.86		TAS		26.6	0.86	m_e mb	4.5

NEUB	20.21	P	01:14:23.075	0.9	138.0	10.86	TAS	53.7	0.82	m_e	mb	4.8
PLN	19.50	P	01:14:15.377	0.8	138.0	10.86	TAS	10.6	0.94	m_e	mb	4.0
RETH	22.35	P	01:14:45.646	0.1	138.0	10.86	TAS	75.4	0.95	m_e	mb	5.1
RGN	22.47	P	01:14:45.907	1.6	138.0	10.86	TAS	41.3	0.70	m_e	mb	5.0
ROTZ	18.93	P	01:14:06.506	-1.8	138.0	10.86	TAS	3.4	0.90	m_e	mb	3.6
RUE	20.55	P	01:14:27.120	2.5	138.0	10.86	TAS	106.0	1.25	m_e	mb	5.0
STU	19.58	P	01:14:14.986	1.1	138.0	10.86	TAS	84.1	0.83	m_e	mb	5.0
TANN	19.33	P	01:14:12.116	-0.5	138.0	10.86	TAS	51.1	0.85	m_e	mb	4.8
TNS	20.92	P	01:14:30.120	1.0	138.0	10.86	TAS	51.9	0.75	m_e	mb	4.9
UBBA	20.65	P	01:14:26.227	-1.9	138.0	10.86	TAS	79.5	1.53	m_e	mb	4.8
WET	18.17	P	01:13:57.975	-2.0	138.0	10.86	TAS	58.0	1.20	m_e	mb	4.6
WLF	21.68	P	01:14:37.688	2.0	138.0	10.86	TAS	209.3	1.53	m_e	mb	5.3

Event 527004 Southern East Pacific Rise

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/27	02:33:12.50			-24.5000	-116.0800				10.0					132.27	132.31	m i ke	EMSC
OrigID 527036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	527010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	132.27		L	03:46:55.486						T__		161.6	21.90	a_e	Ms	4.7
GRA3	132.31		PKP	02:52:27.581		281.8		1.81		TAS				m_e		
MOX	132.31		L	03:54:09.997						T__		190.6	18.50	a_e	Ms	4.8

Event 527005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/27	07:09:10.70			-17.1600	167.8600				10.0					141.51	142.42	m i ke	NEIC
OrigID 527044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	527011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	142.42		PKP	07:28:37.188		38.6		2.48		TAS				m_e		
GRA1	142.42		L	08:36:09.201						T__		1627.8	21.90	a_e	Ms	5.8
MOX	141.51		L	08:37:54.509						T__		3106.9	19.70	a_e	Ms	6.1

Event 527006 Southwestern Ryukyu Islands, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/27 09:19:55.66 24.9510 124.0150 33.0 84.01 84.74 m i ke BGR
 527012

Magnitude Err Nsta Author OrigID
 mb 5.7 BGR 527012
 Ms 4.8 BGR 527012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.74		P	09:32:26.023		62.6		4.78		TAS		49.5	0.98	m_e	mb 5.7
GRA1	84.74		L	10:15:11.873						T__		318.1	19.50	a_e	Ms 4.7
MOX	84.01		L	10:14:56.472						T__		501.8	18.20	a_e	Ms 4.9

Event 527007 Fiji Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/27 10:29:23.20 -17.5600 179.9500 597.0 146.60 146.60 m i ke EMSC
 527039

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.60		PKP	10:47:59.930		19.8		1.98		TAS				m_e	

Event 527008 Fiji Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/27 15:41:49.00 -18.0100 -178.4300 559.0 147.37 147.37 m i ke EMSC
 527040

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.37		PKP	16:00:30.209		17.3		2.07		TAS				m_e	

Event 527010 Mid-Indian Ridge
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author

OrigID
 2020/05/27 21:09:28.74 -21.1500 67.9500 33.0 21 84.83 88.96 m i ke BGR
 527016

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 527016
 Ms 4.1 BGR 527016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	87.31		P	21:22:11.920	0.4	128.7		4.85		TAS		66.8	1.99	m_e	mb 5.4
BRG	86.03		P	21:22:06.701	0.6	128.7		4.85		TAS		66.9	1.75	m_e	mb 5.5
CLL	86.76		P	21:22:09.771	0.1	128.7		4.85		TAS		27.3	1.31	m_e	mb 5.2
CLZ	88.37		P	21:22:17.651	0.5	128.7		4.85		TAS		37.4	1.59	m_e	mb 5.5
FLT1	88.26		P	21:22:16.116	0.2	128.7		4.85		TAS		66.1	2.03	m_e	mb 5.6
FUR	85.64		P	21:22:04.654	0.5	128.7		4.85		TAS		87.9	1.07	m_e	mb 5.8
GEC2	84.83		P	21:21:59.639	-0.6	128.7		4.85		TAS		17.5	1.32	m_e	mb 5.1
GOR1	88.64		P	21:22:17.958		128.7		4.85		TAS		72.3	1.98	m_e	mb 5.6
GRA1	86.62		P	21:22:08.903	-0.0	128.7		4.85		TAS		43.8	1.14	m_e	mb 5.5
GRA1	86.62		L	21:56:02.979						T__		94.8	20.00	a_e	Ms 4.2
GTTG	88.39		P	21:22:18.060	-0.8	128.7		4.85		TAS		26.3	1.37	m_e	mb 5.4
KAST	88.96		P	21:22:20.414		128.7		4.85		TAS		10.6	1.39	m_e	mb 4.9
MANZ	86.36		P	21:22:07.724	0.1	128.7		4.85		TAS		4.7	1.23	m_e	mb 4.5
MOX	87.02		P	21:22:11.101	0.2	128.7		4.85		TAS		54.6	1.72	m_e	mb 5.4
MOX	87.02		L	21:58:15.963						T__		73.5	20.90	a_e	Ms 4.1
NEUB	87.29		P	21:22:12.432	-0.3	128.7		4.85		TAS		18.2	1.02	m_e	mb 5.2
PLN	86.65		P	21:22:09.157	0.1	128.7		4.85		TAS		24.5	1.98	m_e	mb 5.0
ROTZ	86.17		P	21:22:06.394	-0.3	128.7		4.85		TAS		4.5	1.34	m_e	mb 4.4
STU	87.11		P	21:22:10.999	0.3	128.7		4.85		TAS		29.1	0.82	m_e	mb 5.5
TANN	86.46		P	21:22:08.543	0.4	128.7		4.85		TAS		59.2	1.80	m_e	mb 5.4
TNS	88.37		P	21:22:17.344	0.1	128.7		4.85		TAS		44.6	1.95	m_e	mb 5.5
UBBA	87.93		P	21:22:15.706	-0.8	128.7		4.85		TAS		20.0	1.40	m_e	mb 5.3
WET	85.44		P	21:22:02.710	-0.5	128.7		4.85		TAS		17.3	1.24	m_e	mb 5.2

Event 528002 Kermadec Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/28 09:46:48.10 -27.6800 -174.9000 10.0 156.45 157.44 m i ke EMSC
 528034

Magnitude Err Nsta Author OrigID
 Ms 6.0 BGR 528008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	157.44		PKPdf	10:06:46.028		14.3		0.63		TAS				m_e	
GRA1	157.44		PKPab	10:07:18.316		21.1		3.89		TAS				m_e	
GRA1	157.44		L	11:24:39.749						T__		2021.2	18.30	a_e	Ms 6.0

MOX 156.45 L 11:23:30.956 T__ 2056.8 18.20 a_e Ms 6.0

Event 528005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/28	23:42:36.99			42.7710	145.5530				33.0					79.50	79.50	m i ke	BGR

OrigID 528011

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	528011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.50		P	23:54:39.559		31.7		4.67		TAS		16.7	1.18	m_e mb	4.8

Event 529002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/29	06:22:24.82			-22.7090	-178.6320				33.0				16	148.75	152.07	m i ke	BGR

OrigID 529008

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	149.69		PKPbc	06:42:11.385	-0.1	19.6		2.38		TAS				m_e	
BRG	150.16		PKPbc	06:42:12.641	0.1	19.6		2.38		TAS				m_e	
CLL	149.98		PKPbc	06:42:12.153	0.0	19.6		2.38		TAS				m_e	
CLZ	150.01		PKPbc	06:42:12.638	0.4	19.6		2.38		TAS				m_e	
FLT1	149.39		PKPbc	06:42:10.413	-0.3	19.6		2.38		TAS				m_e	
GEC2	152.07		PKPbc	06:42:17.032		19.6		2.38		TAS				m_e	
GOR1	148.75		PKPbc	06:42:09.139	-0.1	19.6		2.38		TAS				m_e	
GTTG	150.37		PKPbc	06:42:13.324	0.2	19.6		2.38		TAS				m_e	
KAST	150.95		PKPbc	06:42:14.531	-0.1	19.6		2.38		TAS				m_e	
MOX	150.91		PKPbc	06:42:14.226	0.2	19.6		2.38		TAS				m_e	
NEUB	150.36		PKPbc	06:42:13.189	0.2	19.6		2.38		TAS				m_e	
PLN	150.94		PKPbc	06:42:14.592	0.0	19.6		2.38		TAS				m_e	
RETH	149.32		PKPbc	06:42:10.539	-0.1	19.6		2.38		TAS				m_e	
ROTZ	151.60		PKPbc	06:42:15.873		19.6		2.38		TAS				m_e	
TANN	150.94		PKPbc	06:42:14.409	-0.0	19.6		2.38		TAS				m_e	
TNS	151.90		PKPbc	06:42:16.788	-0.1	19.6		2.38		TAS				m_e	

Event 530002 Northern Mid-Atlantic Ridge
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/30 03:21:53.79 24.6460 -43.9400 33.0 10 46.00 50.71 m i ke BGR
 530008

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 530008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	49.34		P	03:30:39.573	-0.1	260.4		7.65		TAS		47.0	1.71	m_e mb	5.2
BFO	47.11		P	03:30:22.691		260.4		7.65		TAS		16.6	1.27	m_e mb	5.0
FLT1	49.72		P	03:30:41.848	-0.5	260.4		7.65		TAS		15.1	1.29	m_e mb	4.8
GEC2	50.71		P	03:30:50.068		260.4		7.65		TAS		10.8	1.13	m_e mb	4.7
MOX	49.64		P	03:30:41.668		260.4		7.65		TAS		6.2	1.03	m_e mb	4.5
RETH	48.70		P	03:30:34.207	-0.2	260.4		7.65		TAS		30.7	1.67	m_e mb	5.1
ROTZ	49.87		P	03:30:43.554		260.4		7.65		TAS		1.5	1.34	m_e mb	3.8
TNS	47.57		P	03:30:26.429		260.4		7.65		TAS		17.7	1.32	m_e mb	5.0
WET	50.22		P	03:30:46.198		260.4		7.65		TAS		6.5	1.19	m_e mb	4.4
WLF	46.00		P	03:30:13.515		260.4		7.65		TAS		11.8	1.14	m_e mb	4.8

Event 530001 Northern Mid-Atlantic Ridge
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/30 03:29:27.79 24.2090 -44.7640 33.0 14 47.96 51.97 m i ke BGR
 530007

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 530007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	47.96		P	03:38:03.099		260.7		7.59		TAS		23.6	1.26	m_e mb	5.2
BRG	51.97		P	03:38:33.349		260.7		7.59		TAS		8.1	1.08	m_e mb	4.6
CLL	51.44		P	03:38:29.353	0.1	260.7		7.59		TAS		11.7	1.02	m_e mb	4.8
CLZ	49.93		P	03:38:17.861	0.1	260.7		7.59		TAS		10.4	1.07	m_e mb	4.7
FLT1	50.55		P	03:38:22.407	-0.1	260.7		7.59		TAS		20.5	1.40	m_e mb	4.9
GOR1	50.72		P	03:38:23.663	-0.0	260.7		7.59		TAS		28.8	1.36	m_e mb	5.0
GRA1	50.06		P	03:38:19.216		260.7		7.59		TAS		13.1	1.08	m_e mb	4.8
IBBN	48.46		P	03:38:06.327	-0.2	260.7		7.59		TAS		16.2	1.07	m_e mb	5.1
MANZ	50.68		P	03:38:24.182		260.7		7.59		TAS		1.3	1.04	m_e mb	3.8
MOX	50.47		P	03:38:22.057		260.7		7.59		TAS		8.6	1.02	m_e mb	4.6
PLN	50.79		P	03:38:24.523		260.7		7.59		TAS		1.5	1.01	m_e mb	3.9
ROTZ	50.71		P	03:38:23.950		260.7		7.59		TAS		3.2	1.50	m_e mb	4.0
STU	48.60		P	03:38:07.706		260.7		7.59		TAS		66.7	1.29	m_e mb	5.5
TNS	48.40		P	03:38:06.583		260.7		7.59		TAS		13.5	1.09	m_e mb	5.0

Event 530003 Hokkaido, Japan, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/30 18:13:43.79 43.3500 144.5600 33.0 28 75.44 80.81 m i ke BGR
 530009

Magnitude Err Nsta Author OrigID
 mb 5.9 BGR 530009
 MBB 6.1 BGR 530009
 Ms 5.0 BGR 530009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	76.78		P	18:25:33.001	0.3	32.8		5.52		TAS		82.9	1.16	m_e	MBB	6.1
BFO	80.81		P	18:25:54.718	0.1	32.8		5.52		TAS		70.1	1.02	m_e	MBB	6.0
BRG	76.70		P	18:25:32.242	-0.2	32.8		5.52		TAS		50.0	0.98	m_e	MBB	6.0
BUG	78.47		P	18:25:42.389	-0.4	32.8		5.52		TAS		110.5	1.05	m_e	MBB	6.1
CLL	76.67		P	18:25:32.052	0.1	32.8		5.52		TAS		127.9	0.81	m_e	MBB	6.3
CLZ	77.12		P	18:25:35.277	0.2	32.8		5.52		TAS		126.8	0.98	m_e	MBB	6.3
FLT1	76.42		P	18:25:30.630	-0.1	32.8		5.52		TAS		115.6	0.86	m_e	MBB	6.2
FUR	79.92		P	18:25:50.451	0.3	32.8		5.52		TAS		168.4	0.87	m_e	MBB	6.2
GEC2	78.46		P	18:25:42.295	-0.2	32.8		5.52		TAS		36.7	0.82	m_e	MBB	5.8
GOR1	75.85		P	18:25:28.164	0.2	32.8		5.52		TAS		251.3	1.38	m_e	MBB	6.5
GRA1	78.65		P	18:25:43.812	0.3	32.8		5.52		TAS		152.2	0.85	m_e	mb	6.0
GRA1	78.65		L	19:04:26.706						T__		791.9	18.00	a_e	Ms	5.1
GTTG	77.51		P	18:25:37.268	0.0	32.8		5.52		TAS		96.2	0.91	m_e	MBB	6.2
IBBN	77.57		P	18:25:37.553	-0.5	32.8		5.52		TAS		86.7	0.84	m_e	MBB	6.3
KAST	78.31		P	18:25:41.631	-0.2	32.8		5.52		TAS		67.2	1.03	m_e	MBB	6.0
MANZ	78.09		P	18:25:40.303	0.2	32.8		5.52		TAS		10.1	0.78	m_e	MBB	5.4
MOX	77.71		P	18:25:38.122	0.1	32.8		5.52		TAS		144.4	1.42	m_e	MBB	6.1
MOX	77.71		L	19:03:47.502						T__		658.0	19.40	m_e	Ms	5.0
NEUB	77.20		P	18:25:35.182	-0.3	32.8		5.52		TAS		135.4	0.88	m_e	MBB	6.3
PLN	77.65		P	18:25:37.932	-0.1	32.8		5.52		TAS		17592.4	11.81	m_e	MBB	5.6
RETH	76.69		P	18:25:32.716	-0.1	32.8		5.52		TAS		223.2	1.45	m_e	MBB	6.3
RJOB	79.72		P	18:25:49.502		32.8		5.52		TAS		91.8	0.92	m_e	MBB	5.9
ROTZ	78.24		P	18:25:41.251	-0.0	32.8		5.52		TAS		27.4	1.19	m_e	MBB	5.5
RUE	75.44		P	18:25:25.508	0.2	32.8		5.52		TAS		264.6	1.28	m_e	MBB	6.4
STU	80.13		P	18:25:51.399	-0.6	32.8		5.52		TAS		232.2	0.85	m_e	MBB	6.3
TANN	77.61		P	18:25:37.553	-0.0	32.8		5.52		TAS		84.5	1.59	m_e	MBB	5.9
TNS	79.14		P	18:25:46.088	0.0	32.8		5.52		TAS		103.6	1.25	m_e	MBB	5.9
UBBA	78.11		P	18:25:40.208	-0.1	32.8		5.52		TAS		25.8	0.83	m_e	MBB	6.0
WET	78.51		P	18:25:42.958	0.0	32.8		5.52		TAS		103.8	0.95	m_e	MBB	6.1
WLF	80.37		P	18:25:52.822	0.4	32.8		5.52		TAS		366.0	2.22	m_e	MBB	5.8

Event 530004 Fiji Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/30 18:48:19.83 -19.8840 -176.9700 33.0 19 146.75 151.21 m i ke BGR
 530010

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.21		PKPbc	19:08:10.214		15.3		2.62		TAS				m_e	
BRG	147.81		PKPbc	19:08:01.658	0.2	15.3		2.62		TAS				m_e	
CLL	147.59		PKPbc	19:08:00.895	0.0	15.3		2.62		TAS				m_e	
CLZ	147.50		PKPbc	19:08:01.047	-0.1	15.3		2.62		TAS				m_e	
FLT1	146.91		PKPbc	19:07:58.679	0.2	15.3		2.62		TAS				m_e	
GEC2	149.78		PKPbc	19:08:06.700		15.3		2.62		TAS				m_e	
GTTG	147.85		PKPbc	19:08:01.888	0.0	15.3		2.62		TAS				m_e	
KAST	148.37		PKPbc	19:08:03.186	0.2	15.3		2.62		TAS				m_e	
MANZ	149.02		PKPbc	19:08:04.943	-0.1	15.3		2.62		TAS				m_e	
MOX	148.47		PKPbc	19:08:03.492	0.2	15.3		2.62		TAS				m_e	
NEUB	147.92		PKPbc	19:08:01.735	0.2	15.3		2.62		TAS				m_e	
PLN	148.53		PKPbc	19:08:03.645	0.3	15.3		2.62		TAS				m_e	
RETH	146.75		PKPbc	19:07:58.527	-0.5	15.3		2.62		TAS				m_e	
RJOB	151.02		PKPbc	19:08:09.679		15.3		2.62		TAS				m_e	
ROTZ	149.21		PKPbc	19:08:05.497	-0.3	15.3		2.62		TAS				m_e	
TANN	148.54		PKPbc	19:08:03.721	0.2	15.3		2.62		TAS				m_e	
TNS	149.33		PKPbc	19:08:05.783	0.1	15.3		2.62		TAS				m_e	
WET	149.67		PKPbc	19:08:06.547		15.3		2.62		TAS				m_e	
WLF	150.09		PKPbc	19:08:08.151	-0.4	15.3		2.62		TAS				m_e	

Event 531001 Peru-Bolivia border region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2020/05/31 05:09:34.44 -13.0000 -69.2500 33.0 17 90.63 95.29 m i ke BGR
 531007

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 531007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.57		P	05:22:38.491		254.3		4.58		TAS		30.2	1.47	m_e mb	5.4
BUG	91.88		P	05:22:40.110	0.1	254.3		4.58		TAS		80.8	1.52	m_e mb	5.8
CLL	95.29		P	05:22:55.476	0.1	254.3		4.58		TAS		34.7	1.54	m_e mb	5.5
CLZ	93.84		P	05:22:49.753	-0.5	254.3		4.58		TAS		46.4	1.49	m_e mb	5.6
FUR	93.41		P	05:22:47.534		254.3		4.58		TAS		55.2	1.22	m_e mb	5.9
GEC2	95.14		P	05:22:55.159		254.3		4.58		TAS		12.4	1.15	m_e mb	5.2
GRA1	93.78		P	05:22:49.449		254.3		4.58		TAS		38.8	1.39	m_e mb	5.5

IBBN	92.44	P	05:22:43.244	0.5	254.3	4.58	TAS	23.7	0.86	m_e mb	5.5
KAST	92.49	P	05:22:42.571	-0.3	254.3	4.58	TAS	47.1	1.81	m_e mb	5.5
PLN	94.57	P	05:22:52.289	0.5	254.3	4.58	TAS	10.2	1.47	m_e mb	5.0
ROTZ	94.42	P	05:22:51.549	-0.3	254.3	4.58	TAS	4.6	1.13	m_e mb	4.7
STU	92.25	P	05:22:41.950		254.3	4.58	TAS	79.6	1.22	m_e mb	5.9
TANN	94.74	P	05:22:53.400	-0.1	254.3	4.58	TAS	31.7	1.42	m_e mb	5.5
TNS	92.21	P	05:22:41.856	0.0	254.3	4.58	TAS	38.8	1.40	m_e mb	5.5
WET	94.69	P	05:22:52.987		254.3	4.58	TAS	29.0	1.38	m_e mb	5.5
WLF	90.63	P	05:22:34.410	0.4	254.3	4.58	TAS	82.2	1.53	m_e mb	5.8

Event 531003 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/31	21:02:02.07			36.0080	141.4760				33.0			17		81.27	86.12	m i ke	BGR
OrigID 531009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	531009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.12		P	21:14:38.544		38.4		5.11		TAS		13.9	1.10	m_e mb	5.0
BRG	81.86		P	21:14:17.014	-0.5	38.4		5.11		TAS		5.3	0.85	m_e mb	4.7
CLL	81.91		P	21:14:17.015	0.3	38.4		5.11		TAS		16.1	1.19	m_e mb	5.0
CLZ	82.52		P	21:14:20.904	0.2	38.4		5.11		TAS		14.1	1.15	m_e mb	5.1
FLT1	81.81		P	21:14:16.181	-0.1	38.4		5.11		TAS		12.4	1.06	m_e mb	5.0
FUR	85.06		P	21:14:33.544		38.4		5.11		TAS				m_e	
GEC2	83.52		P	21:14:25.071		38.4		5.11		TAS		5.5	1.04	m_e mb	4.7
GOR1	81.27		P	21:14:14.375	0.4	38.4		5.11		TAS		9.9	1.10	m_e mb	4.8
GRA1	83.89		P	21:14:27.849		38.4		5.11		TAS		24.3	1.15	m_e mb	5.3
MANZ	83.30		P	21:14:24.376		38.4		5.11		TAS		1.4	0.98	m_e mb	4.2
MOX	82.98		P	21:14:22.709	-0.4	38.4		5.11		TAS				m_e	
NEUB	82.49		P	21:14:20.209	0.3	38.4		5.11		TAS		21.8	1.22	m_e mb	5.2
PLN	82.89		P	21:14:22.615	0.1	38.4		5.11		TAS		3.5	1.47	m_e mb	4.4
ROTZ	83.43		P	21:14:25.487		38.4		5.11		TAS		1.6	0.96	m_e mb	4.2
STU	85.42		P	21:14:35.349		38.4		5.11		TAS		52.8	1.19	m_e mb	5.5
TANN	82.82		P	21:14:22.699		38.4		5.11		TAS		6.8	1.23	m_e mb	4.7
WET	83.63		P	21:14:26.440		38.4		5.11		TAS		6.6	1.10	m_e mb	4.8

Event 531005 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/31	23:25:33.33			-22.8920	-175.4550				33.0			19		149.43	152.46	m i ke	BGR
OrigID 531011																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	150.35		PKPbc	23:45:21.343	0.2	13.5		2.31		TAS					m_e	
BRG	151.05		PKPbc	23:45:23.012	-0.1	13.5		2.31		TAS					m_e	
BUG	151.33		PKPbc	23:45:23.567	-0.0	13.5		2.31		TAS					m_e	
CLL	150.80		PKPbc	23:45:22.189	0.1	13.5		2.31		TAS					m_e	
CLZ	150.66		PKPbc	23:45:22.623	-0.4	13.5		2.31		TAS					m_e	
FLT1	150.08		PKPbc	23:45:20.588	0.5	13.5		2.31		TAS					m_e	
GOR1	149.43		PKPbc	23:45:19.427	0.1	13.5		2.31		TAS					m_e	
GTTG	151.00		PKPbc	23:45:23.142	-0.3	13.5		2.31		TAS					m_e	
IBBN	150.44		PKPbc	23:45:21.971	-0.1	13.5		2.31		TAS					m_e	
KAST	151.49		PKPbc	23:45:24.193	-0.1	13.5		2.31		TAS					m_e	
MANZ	152.23		PKPbc	23:45:25.962		13.5		2.31		TAS					m_e	
MOX	151.67		PKPbc	23:45:24.305	0.1	13.5		2.31		TAS					m_e	
NEUB	151.11		PKPbc	23:45:23.272	-0.2	13.5		2.31		TAS					m_e	
PLN	151.74		PKPbc	23:45:24.407	0.3	13.5		2.31		TAS					m_e	
RETH	149.89		PKPbc	23:45:20.420	0.1	13.5		2.31		TAS					m_e	
RUE	149.55		PKPbc	23:45:19.643	-0.2	13.5		2.31		TAS					m_e	
TANN	151.76		PKPbc	23:45:24.728	0.2	13.5		2.31		TAS					m_e	
TNS	152.46		PKPbc	23:45:26.708		13.5		2.31		TAS					m_e	
UBBA	151.71		PKPbc	23:45:24.414	-0.2	13.5		2.31		TAS					m_e	

Event	601001	Persian Gulf															
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2020/05/31	23:59:22.31			28.4210	50.8550				33.0			24		34.99	39.76	m i ke	BGR
	601007																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	601007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	38.02		P	00:06:37.094	0.1	110.4		8.50		TAS		22.1	1.03	m_e	mb	4.8
BRG	35.65		P	00:06:16.531	-0.2	110.4		8.50		TAS		9.8	0.87	m_e	mb	4.7
BUG	39.76		P	00:06:51.930	-0.1	110.4		8.50		TAS		18.0	0.95	m_e	mb	4.7
CLL	36.37		P	00:06:22.890	0.2	110.4		8.50		TAS		22.9	0.96	m_e	mb	5.0
CLZ	38.08		P	00:06:37.913	0.0	110.4		8.50		TAS		30.4	0.82	m_e	mb	5.1
FLT1	37.78		P	00:06:34.892	0.3	110.4		8.50		TAS		31.4	0.89	m_e	mb	5.0
FUR	36.27		P	00:06:22.605	0.1	110.4		8.50		TAS		58.3	1.03	m_e	mb	5.3
GEC2	34.99		P	00:06:11.731	0.6	110.4		8.50		TAS		7.6	0.95	m_e	mb	4.6
GOR1	38.01		P	00:06:37.033	0.0	110.4		8.50		TAS		78.3	1.27	m_e	mb	5.3
GRA1	36.81		P	00:06:27.080	0.1	110.4		8.50		TAS		38.8	1.07	m_e	mb	5.1
GTTG	38.21		P	00:06:38.923	-0.1	110.4		8.50		TAS		17.1	1.12	m_e	mb	4.7
IBBN	39.76		P	00:06:51.868	0.1	110.4		8.50		TAS		35.0	1.07	m_e	mb	4.9

KAST	39.00	P	00:06:45.789	0.1	110.4	8.50	TAS	26.7	1.24	m_e	mb	4.7
MANZ	36.38	P	00:06:23.481	-0.3	110.4	8.50	TAS	3.1	1.13	m_e	mb	4.0
MOX	36.91	P	00:06:27.660	-0.5	110.4	8.50	TAS	11.4	1.09	m_e	mb	4.5
PLN	36.53	P	00:06:24.213	0.6	110.4	8.50	TAS	1.8	0.99	m_e	mb	3.8
RETH	39.00	P	00:06:45.482	0.2	110.4	8.50	TAS	49.9	1.41	m_e	mb	5.0
RJOB	35.16	P	00:06:13.433	-0.3	110.4	8.50	TAS	21.1	1.06	m_e	mb	5.0
ROTZ	36.24	P	00:06:22.392	-0.2	110.4	8.50	TAS	7.2	1.04	m_e	mb	4.4
RUE	36.43	P	00:06:23.020	-0.6	110.4	8.50	TAS	39.0	0.78	m_e	mb	5.3
TNS	38.67	P	00:06:42.691		110.4	8.50	TAS	20.8	1.03	m_e	mb	4.7
UBBA	37.93	P	00:06:36.424		110.4	8.50	TAS	10.3	0.97	m_e	mb	4.5
WET	35.60	P	00:06:16.261		110.4	8.50	TAS	11.4	1.06	m_e	mb	4.6