

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

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

May 2021 UPDATED 8.January 2023

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

Event 10501001 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/01	01:27:21.41			38.0000	142.7500				69.1	0.7		29		78.01	84.87	m i ke	BGR
OrigID 10501007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	10501007
MBB	7.0		BGR	10501007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.49		P	01:39:46.787	-0.2	36.8		5.24		TAS		576.3	1.04	m_e	MBB 7.1
ASSE	80.90		P	01:39:33.373	-0.0	36.8		5.24		TAS		435.1	1.04	m_e	MBB 6.8
BFO	84.87		P	01:39:53.895	-0.3	36.8		5.24		TAS				m_e	
BFO	84.87		pP	01:40:12.617						T_				m_e	
BRG	80.66		P	01:39:32.008	-0.1	36.8		5.24		TAS		476.2	0.95	m_e	MBB 7.0
BSEG	79.57		P	01:39:26.578	0.1	36.8		5.24		TAS		963.7	0.95	m_e	MBB 7.0
BUG	82.68		P	01:39:42.101	-0.6	36.8		5.24		TAS				m_e	
CLL	80.68		P	01:39:32.004	-0.2	36.8		5.24		TAS				m_e	
CLZ	81.24		P	01:39:35.592	0.4	36.8		5.24		TAS				m_e	
FLT1	80.53		P	01:39:31.126	-0.3	36.8		5.24		TAS				m_e	
FUR	83.86		P	01:39:49.196	0.3	36.8		5.24		TAS				m_e	
GEC2	82.35		P	01:39:40.961	0.1	36.8		5.24		TAS				m_e	
GOR1	79.98		P	01:39:28.711	0.1	36.8		5.24		TAS				m_e	
GRA1	82.66		P	01:39:43.262	0.7	36.8		5.24		TAS				m_e	
GTTG	81.63		P	01:39:37.272	0.0	36.8		5.24		TAS				m_e	
HLG	80.20		P	01:39:30.067	0.4	36.8		5.24		TAS				m_e	
IBBN	81.79		P	01:39:38.301	0.2	36.8		5.24		TAS				m_e	
KAST	82.47		P	01:39:41.738	0.1	36.8		5.24		TAS				m_e	
MOX	81.74		P	01:39:37.727	-0.1	36.8		5.24		TAS				m_e	
NEUB	81.24		P	01:39:34.926	-0.3	36.8		5.24		TAS				m_e	

PLN	81.66	P	01:39:37.387	0.0	36.8	5.24	TAS	m_e
RETH	80.88	P	01:39:33.418	0.1	36.8	5.24	TAS	m_e
RGN	78.01	P	01:39:17.939	-0.3	36.8	5.24	TAS	m_e
RUE	79.47	P	01:39:25.713	-0.2	36.8	5.24	TAS	m_e
STU	84.18	P	01:39:50.665	0.1	36.8	5.24	TAS	m_e
TANN	81.60	P	01:39:36.831	-0.2	36.8	5.24	TAS	m_e
TNS	83.26	P	01:39:45.933	0.1	36.8	5.24	TAS	m_e
UBR	84.72	P	01:39:53.000	-0.4	36.8	5.24	TAS	m_e
UBR	84.72	pP	01:40:11.829				T__	m_e
WET	82.44	P	01:39:41.809	0.4	36.8	5.24	TAS	m_e
WLF	84.55	P	01:39:52.496	-0.1	36.8	5.24	TAS	m_e
WLF	84.55	pP	01:40:11.527				T__	m_e

Event 10501002 North of Panama

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/01	06:13:44.37		10.2580	-78.5420				46.9		1.1		8		78.84	83.83	m i ke	BGR
OrigID 10501008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10501008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.38	P		06:25:47.734		276.5		5.24		TAS		4.7	0.82	m_e mb	4.6
ASSE	81.50	P		06:25:59.012	0.3	276.5		5.24		TAS		5.7	1.03	m_e mb	4.7
BFO	80.35	P		06:25:52.065		276.5		5.24		TAS		3.3	1.00	m_e mb	4.2
BRG	83.69	P		06:26:09.940		276.5		5.24		TAS		15.5	1.47	m_e mb	5.0
BRG	83.69	pP		06:26:23.388						T__				m_e	
BSEG	81.11	P		06:25:56.324	-0.5	276.5		5.24		TAS		3.2	0.68	m_e mb	4.5
CLL	83.04	P		06:26:06.365		276.5		5.24		TAS		3.3	0.93	m_e mb	4.5
CLZ	81.35	P		06:25:57.434	0.2	276.5		5.24		TAS		5.1	0.94	m_e mb	4.5
CLZ	81.35	pP		06:26:11.228						T__				m_e	
FLT1	81.83	P		06:25:59.793	0.4	276.5		5.24		TAS		3.4	0.75	m_e mb	4.5
GEC2	83.83	P		06:26:10.180	-0.5	276.5		5.24		TAS		5.2	0.96	m_e mb	4.7
GEC2	83.83	pP		06:26:24.061						T__				m_e	
GRA1	82.11	P		06:26:01.701	-0.5	276.5		5.24		TAS		1.9	0.77	m_e mb	4.3
IBBN	79.70	P		06:25:49.033	-0.5	276.5		5.24		TAS		5.4	0.82	m_e mb	4.5
MOX	82.25	P		06:26:02.350		276.5		5.24		TAS		4.1	1.12	m_e mb	4.5
MOX	82.25	pP		06:26:15.797						T__				m_e	
NEUB	82.29	P		06:26:02.345		276.5		5.24		TAS		3.4	0.72	m_e mb	4.6
TANN	82.82	P		06:26:05.644	-0.5	276.5		5.24		TAS		4.6	0.93	m_e mb	4.7
TNS	80.28	P		06:25:52.492	-0.5	276.5		5.24		TAS		6.8	1.14	m_e mb	4.5
UBR	81.60	P		06:25:58.901		276.5		5.24		TAS		2.3	0.92	m_e mb	4.3
WET	83.26	P		06:26:07.581	-0.5	276.5		5.24		TAS		3.5	0.83	m_e mb	4.6
WET	83.26	pP		06:26:20.942						T__				m_e	
WLF	78.84	P		06:25:44.784		276.5		5.24		TAS		10.0	0.81	m_e mb	4.9

Event 10501003 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/01	09:42:52.85			33.0160	26.1760				33.0					20.02	20.02	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	10501009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	20.02		P	09:47:23.367		140.8		10.87		TAS		13.5	1.15	m_e mb	4.1

Event 10502002 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/02	07:06:34.46			9.2080	-38.4630				10.0					57.62	57.62	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10502008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	57.62		P	07:16:21.786		242.0		7.24		TAS		40.8	1.36	m_e mb	5.3

Event 10502004 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/02	20:49:40.78			5.4340	94.4990				58.7	2.1		7		79.86	84.83	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10502010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.21		P	21:02:08.898	0.3	91.6		5.28		TAS		4.9	0.84	m_e mb	4.8
BFO	83.44		P	21:02:04.740	0.0	91.6		5.28		TAS		5.6	0.74	m_e mb	4.9
BRG	79.86		P	21:01:45.978	-0.1	91.6		5.28		TAS		5.3	0.82	m_e mb	4.5
BRG	79.86		pP	21:02:02.543						T__				m_e	
BSEG	82.21		P	21:01:58.378	0.0	91.6		5.28		TAS		7.0	0.78	m_e mb	4.8

CLZ	82.13	P	21:01:58.027	-0.1	91.6	5.28	TAS	4.6	0.79	m_e	mb	4.7
CLZ	82.13	pP	21:02:14.961				T__				m_e	
FUR	81.47	P	21:01:54.823	0.0	91.6	5.28	TAS	9.4	0.80	m_e	mb	4.9
GEC2	79.89	P	21:01:46.276		91.6	5.28	TAS	16.3	0.73	m_e	mb	5.0
GEC2	79.89	pP	21:02:02.619				T__				m_e	
GRA1	81.54	P	21:01:55.310		91.6	5.28	TAS	9.6	0.88	m_e	mb	4.9
GRA1	81.54	pP	21:02:11.653				T__				m_e	
IBBN	83.74	P	21:02:06.509	-0.1	91.6	5.28	TAS	5.1	0.80	m_e	mb	4.8
KAST	83.35	P	21:02:04.515	-0.1	91.6	5.28	TAS	5.2	1.04	m_e	mb	4.7
MOX	81.32	P	21:01:53.837	0.3	91.6	5.28	TAS	3.5	0.89	m_e	mb	4.4
TANN	80.77	P	21:01:51.095		91.6	5.28	TAS	2.9	0.96	m_e	mb	4.3
TNS	83.34	P	21:02:04.684	0.3	91.6	5.28	TAS	4.5	0.79	m_e	mb	4.8
TNS	83.34	pP	21:02:20.878				T__				m_e	
UBR	82.25	P	21:01:58.860		91.6	5.28	TAS	6.4	0.71	m_e	mb	4.8
WET	80.44	P	21:01:49.395		91.6	5.28	TAS	6.8	0.82	m_e	mb	4.6
WET	80.44	pP	21:02:05.779				T__				m_e	
WLF	84.83	P	21:02:12.550	0.3	91.6	5.28	TAS	11.5	1.24	m_e	mb	5.0

Event 10503001 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/03	05:07:18.16			26.7650	123.1870				215.2	4.5		23		80.00	85.55	m i ke	BGR
10503007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10503007
MBB	6.2		BGR	10503007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.55		P	05:19:47.094	0.1	56.6		5.19		TAS		55.0	1.10	m_e	MBB	6.2
AHRW	84.55		pP	05:20:39.391	0.4					T__					m_e	
BFO	85.19		P	05:19:49.918	0.4	56.6		5.19		TAS		30.4	1.09	m_e	MBB	6.1
BFO	85.19		pP	05:20:41.928	0.4					T__					m_e	
BRG	80.74		P	05:19:27.498	-0.2	56.6		5.19		TAS		25.9	1.04	m_e	MBB	5.8
BSEG	80.97		P	05:19:29.400	0.5	56.6		5.19		TAS		55.4	0.93	m_e	MBB	6.0
BUG	83.92		P	05:19:43.982	0.1	56.6		5.19		TAS		106.1	1.04	m_e	MBB	6.5
CLL	81.02		P	05:19:29.406	-0.1	56.6		5.19		TAS		43.3	1.01	m_e	MBB	5.9
CLZ	82.11		P	05:19:35.452	-0.2	56.6		5.19		TAS		37.6	1.00	m_e	MBB	6.2
FLT1	81.39		P	05:19:30.841	-0.2	56.6		5.19		TAS		39.2	0.81	m_e	MBB	6.0
FLT1	81.39		pP	05:20:21.809	0.4					T__					m_e	
FUR	83.67		P	05:19:42.944	0.4	56.6		5.19		TAS		155.8	1.07	m_e	MBB	6.6
GEC2	81.94		P	05:19:34.126	0.2	56.6		5.19		TAS		64.9	1.05	m_e	MBB	6.0
GRA1	82.85		P	05:19:38.827	0.7	56.6		5.19		TAS		88.3	1.17	m_e	mb	5.9
GRA1	82.85		pP	05:20:31.047	0.4					T__					m_e	
GTTG	82.48		P	05:19:37.206	-0.4	56.6		5.19		TAS		130.9	1.30	m_e	MBB	6.3
IBBN	83.17		P	05:19:40.408	0.3	56.6		5.19		TAS		171.1	1.09	m_e	MBB	6.5

IBBN	83.17	pP	05:20:32.369	0.4						T__							m_e
KAST	83.48	P	05:19:41.965	0.2	56.6		5.19			TAS	39.4	0.99	m_e	MBB			6.2
KAST	83.48	pP	05:20:33.933	0.4						T__							m_e
MOX	82.12	P	05:19:35.080	-0.9	56.6		5.19			TAS	10.2	0.91	m_e	MBB			5.9
NEUB	81.73	P	05:19:32.570	-0.9	56.6		5.19			TAS	27.3	0.83	m_e	MBB			6.1
RUE	80.00	P	05:19:24.329	0.5	56.6		5.19			TAS	163.8	1.16	m_e	MBB			6.3
STU	84.47	P	05:19:46.575	-0.5	56.6		5.19			TAS	107.5	0.89	m_e	MBB			6.5
TANN	81.79	P	05:19:33.147	0.2	56.6		5.19			TAS	17.5	1.00	m_e	MBB			5.9
TNS	84.03	P	05:19:44.731	-0.0	56.6		5.19			TAS	47.3	1.07	m_e	MBB			6.2
TNS	84.03	pP	05:20:36.604	0.4						T__							m_e
UBR	84.59	P	05:19:46.921	-0.3	56.6		5.19			TAS	88.1	1.06	m_e	MBB			6.3
UBR	84.59	pP	05:20:39.288	0.4						T__							m_e
WET	82.24	P	05:19:35.625	0.3	56.6		5.19			TAS	26.2	1.18	m_e	MBB			5.9
WLF	85.55	P	05:19:52.569	-0.1	56.6		5.19			TAS	81.7	1.03	m_e	MBB			6.2
WLF	85.55	pP	05:20:44.381	0.4						T__							m_e

Event 10503004 Mongolia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/03	08:46:35.38			50.3480	101.4900				22.5	2.0		22		52.24	56.69	m i ke	BGR
OrigID 10503010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10503010
Ms	5.9		BGR	10503010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	55.90		P	08:56:09.205	0.4	51.9		7.29		TAS		18.8	0.93	m_e	mb 5.1
ASSE	53.14		P	08:55:48.922	0.1	51.9		7.29		TAS				m_e	
ASSE	53.14		pP	08:55:54.720	0.0					T__				m_e	
BFO	56.69		P	08:56:14.369	-0.5	51.9		7.29		TAS		21.2	1.11	m_e	mb 5.1
BRG	52.25		P	08:55:42.023	-0.4	51.9		7.29		TAS		17.4	0.86	m_e	mb 5.0
BSEG	52.24		P	08:55:42.076	0.3	51.9		7.29		TAS		33.4	0.98	m_e	mb 5.2
BUG	55.23		P	08:56:04.108	0.3	51.9		7.29		TAS				m_e	
CLL	52.47		P	08:55:43.664	0.0	51.9		7.29		TAS		18.9	0.79	m_e	mb 5.1
CLZ	53.46		P	08:55:51.279	0.1	51.9		7.29		TAS		18.9	0.91	m_e	mb 5.1
FLT1	52.74		P	08:55:45.330	-0.5	51.9		7.29		TAS		14.7	0.92	m_e	mb 4.9
FUR	55.28		P	08:56:04.711	0.2	51.9		7.29		TAS		32.3	0.90	m_e	mb 5.3
GEC2	53.59		P	08:55:52.350	0.2	51.9		7.29		TAS		14.5	1.06	m_e	mb 4.9
GRA1	54.35		P	08:55:57.904	0.1	51.9		7.29		TAS		30.4	0.92	m_e	mb 5.3
GRA1	54.35		L	09:19:59.831						T__		7454.5	18.20	a_e	Ms 5.8
GTTG	53.84		P	08:55:53.930	-0.0	51.9		7.29		TAS				m_e	
GTTG	53.84		pP	08:55:59.894	0.0					T__				m_e	
IBBN	54.45		P	08:55:57.711	-0.3	51.9		7.29		TAS		41.3	0.98	m_e	mb 5.4
IBBN	54.45		pP	08:56:04.432	0.0					T__				m_e	
KAST	54.82		P	08:56:00.918	-0.1	51.9		7.29		TAS				m_e	

2021/05/03 19:28:34.49 -21.9070 -177.5120 33.0 16 147.39 153.48 m i ke BGR
10503012

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.09		PKPbc	19:48:19.302	0.2	17.1		2.43		TAS				m_e	
BRG	149.65		PKPbc	19:48:20.944	0.3	17.1		2.43		TAS				m_e	
BSEG	147.39		PKPbc	19:48:15.088	-0.2	17.1		2.43		TAS				m_e	
CLL	149.45		PKPbc	19:48:20.157	0.2	17.1		2.43		TAS				m_e	
CLZ	149.41		PKPbc	19:48:20.299	-0.1	17.1		2.43		TAS				m_e	
FLT1	148.81		PKPbc	19:48:18.507	0.0	17.1		2.43		TAS				m_e	
FUR	152.79		PKPbc	19:48:28.168	-0.9	17.1		2.43		TAS				m_e	
GEC2	151.60		PKPbc	19:48:25.625		17.1		2.43		TAS				m_e	
GRA1	151.34		PKPbc	19:48:24.917	-0.9	17.1		2.43		TAS				m_e	
GTTG	149.76		PKPbc	19:48:21.129	-0.2	17.1		2.43		TAS				m_e	
IBBN	149.29		PKPbc	19:48:20.003	-0.1	17.1		2.43		TAS				m_e	
KAST	150.31		PKPbc	19:48:22.704		17.1		2.43		TAS				m_e	
MOX	150.35		PKPbc	19:48:22.596	0.4	17.1		2.43		TAS				m_e	
NEUB	149.80		PKPbc	19:48:21.338	0.1	17.1		2.43		TAS				m_e	
RUE	148.19		PKPbc	19:48:16.971	-0.3	17.1		2.43		TAS				m_e	
TANN	150.41		PKPbc	19:48:22.911	0.6	17.1		2.43		TAS				m_e	
TNS	151.26		PKPbc	19:48:25.271	0.1	17.1		2.43		TAS				m_e	
UBR	153.48		PKPbc	19:48:29.851		17.1		2.43		TAS				m_e	
WET	151.51		PKPbc	19:48:25.507		17.1		2.43		TAS				m_e	
WLF	152.06		PKPbc	19:48:27.600		17.1		2.43		TAS				m_e	

Event 10504002 South of Aleutian Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/04	16:47:36.41		51.1120	-166.1180					33.0					79.41	79.41	m i ke	BGR

OrigID 10504008

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 10504008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.41		P	16:59:38.376		359.3		4.86		TAS		11.7	0.83	m_e mb	4.8

Event 10504003 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/04	18:11:03.87		39.0810	138.4530					40.1		1.1		18	77.06	82.26	m i ke	BGR

OrigID

10504009

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 10504009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.97		P	18:23:14.586	-0.3	38.9		5.41		TAS		14.2	0.99	m_e mb	5.0
ASSE	78.34		P	18:23:00.364	0.2	38.9		5.41		TAS		12.0	0.81	m_e mb	5.1
BFO	82.26		P	18:23:20.999		38.9		5.41		TAS		22.9	0.84	m_e mb	5.3
BFO	82.26		pP	18:23:32.599	-0.0					T__				m_e	
BRG	78.00		P	18:22:58.333	-0.3	38.9		5.41		TAS		13.2	0.94	m_e mb	5.0
BSEG	77.06		P	18:22:53.353	-0.1	38.9		5.41		TAS		19.8	0.87	m_e mb	5.3
CLL	78.05		P	18:22:58.759	0.2	38.9		5.41		TAS		28.1	0.97	m_e mb	5.4
CLZ	78.68		P	18:23:02.093	0.3	38.9		5.41		TAS		21.5	0.88	m_e mb	5.2
FLT1	77.96		P	18:22:58.100	-0.1	38.9		5.41		TAS		21.8	0.90	m_e mb	5.3
FLT1	77.96		pP	18:23:09.530	-0.0					T__				m_e	
FUR	81.19		P	18:23:15.388		38.9		5.41		TAS		29.0	0.77	m_e mb	5.4
GEC2	79.64		P	18:23:06.947	-0.5	38.9		5.41		TAS		9.6	0.91	m_e mb	4.7
GRA1	80.02		P	18:23:09.313	0.0	38.9		5.41		TAS		22.7	0.84	m_e mb	5.1
GRA1	80.02		pP	18:23:20.671	-0.0					T__				m_e	
GTTG	79.07		P	18:23:04.163	0.1	38.9		5.41		TAS		19.6	0.95	m_e mb	5.1
IBBN	79.30		P	18:23:05.577	0.3	38.9		5.41		TAS		18.4	0.83	m_e mb	5.1
KAST	79.93		P	18:23:09.001	-0.2	38.9		5.41		TAS		9.0	0.91	m_e mb	4.7
MOX	79.12		P	18:23:04.158	0.2	38.9		5.41		TAS		6.0	0.77	m_e mb	4.7
MOX	79.12		pP	18:23:16.053	-0.0					T__				m_e	
NEUB	78.63		P	18:23:01.572	-0.0	38.9		5.41		TAS		30.2	0.92	m_e mb	5.3
STU	81.57		P	18:23:17.443		38.9		5.41		TAS		51.4	0.86	m_e mb	5.7
TANN	78.96		P	18:23:03.242	-0.0	38.9		5.41		TAS		3.1	0.92	m_e mb	4.3
TNS	80.70		P	18:23:12.978	-0.0	38.9		5.41		TAS		7.6	0.90	m_e mb	4.7
WET	79.76		P	18:23:07.890	0.3	38.9		5.41		TAS		10.1	0.94	m_e mb	4.7

Event 10504004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/04	19:51:48.10			-20.7700	-170.6940				33.0			11		146.79	152.53	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.15		PKPbc	20:11:35.239		3.7		2.46		TAS				m_e	
BFO	152.40		PKPbc	20:11:40.402		3.7		2.46		TAS				m_e	
BRG	149.65		PKPbc	20:11:33.678	0.7	3.7		2.46		TAS				m_e	
BSEG	146.79		PKPbc	20:11:27.021	0.1	3.7		2.46		TAS				m_e	
BUG	149.26		PKPbc	20:11:33.205		3.7		2.46		TAS				m_e	
CLL	149.29		PKPbc	20:11:32.804	0.7	3.7		2.46		TAS				m_e	

./bul2105.txt

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CLZ	148.88	PKPbc	20:11:31.795	-0.3	3.7	2.46	TAS	m_e
FLT1	148.37	PKPbc	20:11:30.628		3.7	2.46	TAS	m_e
FUR	152.53	PKPbc	20:11:40.115		3.7	2.46	TAS	m_e
GEC2	151.68	PKPbc	20:11:38.927		3.7	2.46	TAS	m_e
GRA1	151.01	PKPbc	20:11:37.712		3.7	2.46	TAS	m_e
GTTG	149.19	PKPbc	20:11:32.804	-0.3	3.7	2.46	TAS	m_e
IBBN	148.41	PKPbc	20:11:31.292		3.7	2.46	TAS	m_e
KAST	149.53	PKPbc	20:11:33.274		3.7	2.46	TAS	m_e
MOX	150.04	PKPbc	20:11:34.552	-0.4	3.7	2.46	TAS	m_e
RUE	148.07	PKPbc	20:11:30.294		3.7	2.46	TAS	m_e
TANN	150.22	PKPbc	20:11:35.408		3.7	2.46	TAS	m_e
TNS	150.51	PKPbc	20:11:36.838		3.7	2.46	TAS	m_e
WET	151.45	PKPbc	20:11:38.616		3.7	2.46	TAS	m_e
WLF	150.97	PKPbc	20:11:38.098		3.7	2.46	TAS	m_e

Event 10505002 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/05	23:41:03.05			38.8590	25.8170				33.0			11		13.25	18.41	m i ke	BGR
10505008																	

Magnitude Err Nsta Author OrigID
mb 4.0 BGR 10505008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	15.78		P	23:44:45.951	1.1	130.7		11.22		TAS		5.7	0.46	m_e mb	4.0
BSEG	18.41		P	23:45:13.901	0.1	130.7		11.22		TAS		4.6	0.35	m_e mb	4.0
CLL	15.35		P	23:44:41.902	1.3	130.7		11.22		TAS		18.5	0.74	m_e	
GEC2	13.25		P	23:44:17.258	-1.0	130.7		11.22		TAS		8.9	0.73	m_e	
KAST	17.36		P	23:45:05.230	0.8	130.7		11.22		TAS		5.1	0.77	m_e	
MOX	15.47		P	23:44:43.305	0.3	130.7		11.22		TAS		5.7	0.56	m_e	
PLN	15.11		P	23:44:38.874	-0.0	130.7		11.22		TAS			0.90	m_e	
RETH	17.94		P	23:45:09.376	-0.8	130.7		11.22		TAS			0.49	m_e	
TANN	14.93		P	23:44:36.897	0.1	130.7		11.22		TAS		6.1	0.53	m_e	
TNS	16.75		P	23:44:55.896	-1.5	130.7		11.22		TAS		6.8	0.54	m_e	
WET	13.84		P	23:44:24.689	-0.3	130.7		11.22		TAS		11.7	0.86	m_e	

Event 10507001 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/07	11:45:21.90			14.0700	-48.3300				10.0			10		57.61	61.30	m i ke	emsc
10507037																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10507007
Ms	5.0		BGR	10507007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	57.61		P	11:55:14.798		253.9		6.82		TAS		22.0	0.94	m_e	mb	5.2
BSEG	60.43		P	11:55:34.559	-0.0	253.9		6.82		TAS		36.6	0.83	m_e	mb	5.4
CLL	61.30		P	11:55:40.281	0.2	253.9		6.82		TAS		32.4	0.87	m_e	mb	5.2
CLZ	59.86		P	11:55:30.716	0.1	253.9		6.82		TAS		19.0	1.06	m_e	mb	5.1
FLT1	60.50		P	11:55:34.833	-0.3	253.9		6.82		TAS		28.8	1.07	m_e	mb	5.0
GOR1	60.73		P	11:55:36.663	0.0	253.9		6.82		TAS		36.9	1.26	m_e	mb	5.1
GRA1	59.80		L	12:18:05.768						T__		721.3	19.50	a_e	Ms	4.8
GTTG	59.53		P	11:55:28.521	-0.2	253.9		6.82		TAS		30.9	1.09	m_e	mb	5.2
IBBN	58.46		P	11:55:21.019	-0.1	253.9		6.82		TAS		49.2	1.05	m_e	mb	5.5
MOX	60.29		L	12:17:34.141						T__		1437.8	19.50	a_e	Ms	5.1
RETH	59.52		P	11:55:28.704	0.3	253.9		6.82		TAS		40.3	1.32	m_e	mb	5.3
TANN	60.75		P	11:55:36.846		253.9		6.82		TAS		9.8	0.98	m_e	mb	4.6

Event 10508001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/08	04:18:57.54			31.1550	140.4120				33.0			6		84.82	89.91	m i ke	BGR
				10508007													

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10508007
Ms	4.2		BGR	10508007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.04		P	04:31:34.383	-0.0	41.6		4.80		TAS		13.3	1.17	m_e	mb	5.0
BFO	89.91		P	04:31:52.839		41.6		4.80		TAS		5.5	0.80	m_e	mb	4.8
BRG	85.59		P	04:31:32.341	-0.2	41.6		4.80		TAS		12.5	0.69	m_e	mb	5.2
BSEG	84.82		P	04:31:28.428	-0.1	41.6		4.80		TAS		26.5	1.03	m_e	mb	5.4
CLL	85.68		P	04:31:32.565	0.1	41.6		4.80		TAS		28.4	0.93	m_e	mb	5.4
CLZ	86.37		P	04:31:36.474	0.4	41.6		4.80		TAS		27.4	1.16	m_e	mb	5.3
FLT1	85.66		P	04:31:32.156	-0.4	41.6		4.80		TAS		29.1	0.76	m_e	mb	5.5
GEC2	87.17		P	04:31:39.838		41.6		4.80		TAS		5.4	0.95	m_e	mb	4.7
GOR1	85.13		P	04:31:30.110	0.0	41.6		4.80		TAS		38.4	1.26	m_e	mb	5.5
GRA1	87.64		L	05:18:47.524						T__		103.1	19.10	a_e	Ms	4.3
GTTG	86.77		P	04:31:38.156	0.2	41.6		4.80		TAS		13.9	0.81	m_e	mb	5.1
IBBN	87.06		P	04:31:39.293	0.0	41.6		4.80		TAS		30.9	0.96	m_e	mb	5.4
MOX	86.76		L	05:19:48.426						T__		84.2	20.50	a_e	Ms	4.1
RETH	86.10		P	04:31:34.656	-0.0	41.6		4.80		TAS		10.1	0.88	m_e	mb	5.0

Event 10509001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/09	23:33:33.29			46.4990	152.7690				33.0					78.44	78.44	m i ke	BGR
OrigID 10509007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10509007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.44		P	23:45:29.944		27.0		5.02		TAS		5.7	0.95	m_e	mb	4.6

Event 10510001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/10	01:59:24.49			-17.8400	-173.6100				33.0				9	145.28	147.90	m i ke	EMSC
OrigID 10510037																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.4		BGR	10510007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	146.41		PKPbc	02:18:55.572		10.0		3.39		TAS				m_e		
CLL	146.11		PKPbc	02:18:54.319	0.2	10.0		3.39		TAS				m_e		
CLZ	145.83		PKPbc	02:18:54.005	0.2	10.0		3.39		TAS				m_e		
FLT1	145.28		PKPbc	02:18:51.373	-0.3	10.0		3.39		TAS				m_e		
GRA1	147.90		L	03:31:05.602						T__		54.7	20.70	a_e	Ms	4.3
GTTG	146.16		PKPbc	02:18:54.945	-0.1	10.0		3.39		TAS				m_e		
IBBN	145.50		PKPbc	02:18:52.689	-0.1	10.0		3.39		TAS				m_e		
MOX	146.91		PKPbc	02:18:56.951		10.0		3.39		TAS				m_e		
MOX	146.91		L	03:11:54.993						T__		75.4	22.00	a_e	Ms	4.4
NEUB	146.36		PKPbc	02:18:55.296	-0.1	10.0		3.39		TAS				m_e		
PLN	147.01		PKPbc	02:18:57.327		10.0		3.39		TAS				m_e		

Event 10510004 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/10	14:10:20.80			-26.2670	176.0120				10.0				20	150.33	155.89	m i ke	NEIC
OrigID 10510043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	10510010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	154.25		PKPab	14:30:53.539	-0.1	32.2		4.33		TAS				m_e	
ASSE	151.84		PKPab	14:30:44.435	-0.2	32.2		4.33		TAS				m_e	
BFO	155.89		PKPab	14:31:01.716	-0.5	32.2		4.33		TAS				m_e	
BRG	151.82		PKPab	14:30:46.932	-0.5	32.2		4.33		TAS				m_e	
BSEG	150.33		PKPab	14:30:37.887	0.6	32.2		4.33		TAS				m_e	
CLL	151.79		PKPab	14:30:45.831	0.4	32.2		4.33		TAS				m_e	
CLZ	152.17		PKPab	14:30:46.433	-0.3	32.2		4.33		TAS				m_e	
FLT1	151.49		PKPab	14:30:43.076	0.3	32.2		4.33		TAS				m_e	
FUR	155.03		PKPab	14:31:01.120	0.6	32.2		4.33		TAS				m_e	
GEC2	153.54		PKPab	14:30:56.556	0.7	32.2		4.33		TAS				m_e	
GRA1	153.77		PKPab	14:30:55.148	-0.1	32.2		4.33		TAS				m_e	
GRA1	153.77		L	15:48:53.754						T__		191.2	19.90	a_e Ms	4.9
GTTG	152.56		PKPab	14:30:48.005	-0.2	32.2		4.33		TAS				m_e	
IBBN	152.46		PKPab	14:30:45.699	-0.1	32.2		4.33		TAS				m_e	
KAST	153.30		PKPab	14:30:49.833	-0.1	32.2		4.33		TAS				m_e	
MOX	152.82		PKPab	14:30:49.834	-0.1	32.2		4.33		TAS				m_e	
MOX	152.82		L	15:47:17.892						T__		188.7	21.40	a_e Ms	4.9
PLN	152.77		PKPab	14:30:50.356	-0.2	32.2		4.33		TAS				m_e	
RETH	151.66		PKPab	14:30:42.896		32.2		4.33		TAS				m_e	
TANN	152.73		PKPab	14:30:50.404		32.2		4.33		TAS				m_e	
TNS	154.17		PKPab	14:30:54.232		32.2		4.33		TAS				m_e	
WET	153.62		PKPab	14:30:55.185		32.2		4.33		TAS				m_e	

Event 10511002 Off coast of Michoacan, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/11	04:36:53.60			16.7340	-104.1750				33.0			17		89.61	95.46	m i ke	BGR
10511008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10511008
Ms	4.1		BGR	10511008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.03		P	04:49:49.935	0.1	300.0		4.60		TAS		17.2	1.15	m_e mb	5.2
BSEG	90.18		P	04:49:50.773	-0.3	300.0		4.60		TAS		9.6	0.79	m_e mb	5.1
CLL	92.93		P	04:50:02.699		300.0		4.60		TAS		3.5	0.64	m_e mb	4.9
CLZ	91.24		P	04:49:55.699	-0.6	300.0		4.60		TAS		16.3	0.92	m_e mb	5.3
FETA	93.83		P	04:50:07.526		300.0		4.60		TAS		4.6	0.79	m_e mb	4.9
GEC2	94.61		P	04:50:11.194		300.0		4.60		TAS		4.8	0.85	m_e mb	5.0
GRA1	92.78		L	05:31:08.956						T__		70.9	21.80	a_e Ms	4.1
GTTG	91.17		P	04:49:55.493	0.1	300.0		4.60		TAS		21.6	1.21	m_e mb	5.3
IBBN	89.61		P	04:49:47.741	0.2	300.0		4.60		TAS		12.9	0.82	m_e mb	5.2
KAST	90.48		P	04:49:51.677	0.3	300.0		4.60		TAS		12.1	0.95	m_e mb	5.2

KBA	95.33	P	04:50:14.023	300.0	4.60	TAS	3.8	0.93	m_e mb	4.8
MOA	95.46	P	04:50:14.741	300.0	4.60	TAS	6.6	0.98	m_e mb	5.1
MOTA	93.89	P	04:50:07.661	300.0	4.60	TAS	6.2	0.91	m_e mb	4.9
PLN	92.90	P	04:50:03.229	300.0	4.60	TAS	2.3	1.25	m_e mb	4.5
RETH	90.27	P	04:49:51.175	-0.3 300.0	4.60	TAS	15.2	1.21	m_e mb	5.1
TANN	93.10	P	04:50:04.311	300.0	4.60	TAS			m_e	
TNS	90.96	P	04:49:53.889	0.2 300.0	4.60	TAS	12.6	0.77	m_e mb	5.3
WET	93.99	P	04:50:08.233	300.0	4.60	TAS	4.9	0.86	m_e mb	4.9
WLF	89.89	P	04:49:49.455	0.1 300.0	4.60	TAS	15.7	1.00	m_e mb	5.2

Event 10511003 Greece-Albania border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/11	21:30:59.87	0.62	0.83	40.0300	20.8960	25.6	7.8	50	10.0			25	341	7.96	12.24	m i ke	BGR
10511009																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.9		BGR	10511009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	8.20		Pn	21:32:56.868	-0.9					T__				m_e ML	4.8
BE1	10.51		Pn	21:33:29.126	0.1					T__				m_e	
BERGE	12.04		Pn	21:33:48.501	-1.2					T__				m_e	
BFO	12.24		Pn	21:33:50.449	-1.9					T__				m_e	
BIOA	9.27		Sn	21:34:54.379	-2.7					T__				m_e	
BIOA	9.27		Pn	21:33:12.993	0.7					T__				m_e	
DAVA	10.77		Pn	21:33:34.328	1.8					T__				m_e	
EMING	11.70		Pn	21:33:43.703	-1.3					T__				m_e	
FETA	10.15		Sn	21:35:14.618	1.4					T__				m_e	
FETA	10.15		Pn	21:33:23.786	-0.4					T__				m_e	
GEC2	10.19		Pn	21:33:24.690	-0.0					T__				m_e	
KBA	8.92		Sn	21:34:44.840	-2.7					T__				m_e	
KBA	8.92		Pn	21:33:07.808	0.3					T__				m_e ML	5.1
KW1	10.04		Pn	21:33:23.206	0.5					T__				m_e	
LESA	9.48		Sn	21:34:56.938	-0.2					T__				m_e	
LESA	9.48		Pn	21:33:14.541	-0.5					T__				m_e	
METMA	11.91		Pn	21:33:48.030	0.1					T__				m_e	
MOA	9.16		Sn	21:34:49.493	-0.0					T__				m_e	
MOA	9.16		Pn	21:33:10.149	-0.6					T__				m_e	
MOTA	10.17		Sn	21:35:13.223	-0.5					T__				m_e	
MOTA	10.17		Pn	21:33:24.649	0.2					T__				m_e	
OBKA	7.96		Sn	21:34:20.413	-2.7					T__				m_e	
OBKA	7.96		Pn	21:32:53.692	-0.8					T__				m_e	
PART	10.27		Sn	21:35:16.480	0.4					T__				m_e	
PART	10.27		Pn	21:33:26.087	0.3					T__				m_e	
RETA	10.44		Sn	21:35:19.504	-0.6					T__				m_e	

RETA	10.44	Pn	21:33:29.908	1.8	T__	m_e
RJOB	9.66	Sn	21:35:02.288	0.7	T__	m_e
RJOB	9.66	Pn	21:33:17.761	0.2	T__	m_e
SQTA	10.04	Sn	21:35:09.500	-1.0	T__	m_e
SQTA	10.04	Pn	21:33:23.111	0.5	T__	m_e
STU	12.08	Pn	21:33:51.386	1.2	T__	m_e
WALHA	11.46	Pn	21:33:41.308	-0.6	T__	m_e
WET	10.74	Pn	21:33:32.514	0.3	T__	m_e
WTTA	9.86	Sn	21:35:05.313	-0.8	T__	m_e
WTTA	9.86	Pn	21:33:20.017	-0.1	T__	m_e
ZUGS	10.29	Sn	21:35:16.945	0.6	T__	m_e
ZUGS	10.29	Pn	21:33:26.311	0.3	T__	m_e

Event 10512005 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/12	14:05:59.18			-16.7500	64.3400				33.0				27	79.30	85.48	m i ke	BGR
	10512011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10512011
Ms	5.8		BGR	10512011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.73		P	14:18:25.360	0.4	129.2		5.24		TAS		149.5	1.49	a_e	mb 6.0
ASSE	82.89		P	14:18:20.810	0.1	129.2		5.24		TAS		59.3	1.39	a_e	mb 5.6
BFO	81.76		P	14:18:14.760	0.1	129.2		5.24		TAS		137.1	1.41	a_e	mb 5.9
BRG	80.52		P	14:18:08.610	0.4	129.2		5.24		TAS		54.1	1.26	a_e	mb 5.3
BSEG	84.20		P	14:18:27.160	-0.3	129.2		5.24		TAS		276.9	2.16	m_e	mb 6.1
BUG	84.15		P	14:18:27.160	-0.1	129.2		5.24		TAS		153.8	1.47	a_e	mb 6.0
CLL	81.26		P	14:18:12.360	0.3	129.2		5.24		TAS		188.1	1.54	a_e	mb 5.9
CLZ	82.86		P	14:18:20.760	0.3	129.2		5.24		TAS		88.9	1.01	a_e	mb 6.0
FLT1	82.75		P	14:18:19.710	-0.2	129.2		5.24		TAS		75.9	1.10	a_e	mb 5.8
FUR	80.10		P	14:18:05.610	-0.4	129.2		5.24		TAS		231.5	0.86	a_e	mb 6.1
GEC2	79.30		P	14:18:01.210	-0.6	129.2		5.24		TAS		62.1	1.34	a_e	mb 5.5
GOR1	83.14		P	14:18:21.760	-0.2	129.2		5.24		TAS		86.5	1.35	a_e	mb 5.8
GRA1	81.09		P	14:18:10.960	-0.2	129.2		5.24		TAS		99.2	0.97	a_e	mb 5.8
GRA1	81.09		L	15:05:09.967						T__		4376.8	18.60	a_e	Ms 5.8
GTTG	82.88		P	14:18:20.810	0.2	129.2		5.24		TAS		300.9	2.16	a_e	mb 6.1
HLG	85.48		P	14:18:33.360	-0.9	129.2		5.24		TAS		213.5	1.08	a_e	mb 6.3
IBBN	84.42		P	14:18:28.560	-0.1	129.2		5.24		TAS		229.9	1.98	a_e	mb 6.1
KAST	83.43		P	14:18:23.910	0.4	129.2		5.24		TAS		59.3	1.49	a_e	mb 5.6
NEUB	81.77		P	14:18:15.060	0.3	129.2		5.24		TAS		116.8	0.98	a_e	mb 6.0
PLN	81.13		P	14:18:11.710	0.3	129.2		5.24		TAS		34.5	1.57	a_e	mb 5.1
RETH	83.90		P	14:18:26.010	0.1	129.2		5.24		TAS		201.0	2.00	a_e	mb 6.0
RUE	81.66		P	14:18:14.260	0.1	129.2		5.24		TAS		109.0	1.11	a_e	mb 5.9

STU	81.57	P	14:18:13.510	-0.1	129.2	5.24	TAS	161.3	1.16	a_e	mb	6.0
TANN	80.94	P	14:18:10.860	0.5	129.2	5.24	TAS	99.3	1.52	a_e	mb	5.6
TNS	82.83	P	14:18:20.510	0.2	129.2	5.24	TAS	138.1	1.52	a_e	mb	6.0
WET	79.91	P	14:18:04.410	-0.6	129.2	5.24	TAS	25.2	0.99	a_e	mb	5.1
WLF	83.70	P	14:18:24.860	0.0	129.2	5.24	TAS	53.4	0.92	a_e	mb	5.8

Event 10514001 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/13	23:58:17.38			38.3750	142.2200				33.0			26		77.49	84.34	m i ke	BGR
OrigID 10514007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10514007
MBB	6.4		BGR	10514007
Ms	6.1		BGR	10514007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.97	P		00:10:37.676	-0.0	36.7		5.25		TAS		81.8	1.01	m_e	MBB	6.4
ASSE	80.38	P		00:10:24.237	0.3	36.7		5.25		TAS		75.1	1.02	m_e	MBB	6.2
BFO	84.34	P		00:10:44.892	0.1	36.7		5.25		TAS		121.7	0.88	m_e	MBB	6.7
BRG	80.12	P		00:10:22.855	-0.1	36.7		5.25		TAS		37.2	0.71	m_e	MBB	6.1
BSEG	79.05	P		00:10:17.513	0.1	36.7		5.25		TAS		84.1	0.77	m_e	MBB	6.6
BUG	82.16	P		00:10:33.515	-0.3	36.7		5.25		TAS		32.2	0.65	m_e	MBB	6.3
CLL	80.15	P		00:10:22.832	-0.0	36.7		5.25		TAS		154.9	1.02	m_e	MBB	6.3
CLZ	80.72	P		00:10:26.394	0.3	36.7		5.25		TAS		135.8	0.90	m_e	MBB	6.5
FLT1	80.01	P		00:10:22.012	-0.1	36.7		5.25		TAS		82.7	0.67	m_e	MBB	6.3
FUR	83.33	P		00:10:39.991		36.7		5.25		TAS		89.9	0.59	m_e	MBB	6.6
GEC2	81.81	P		00:10:31.843	-0.3	36.7		5.25		TAS		43.0	0.78	m_e	MBB	6.3
GOR1	79.45	P		00:10:19.627	0.1	36.7		5.25		TAS			1.43	m_e		
GRA1	82.13	P		00:10:34.018	0.2	36.7		5.25		TAS		685.2	1.42	m_e	mb	6.6
GRA1	82.13	L		00:50:34.548						T__		6563.6	18.30	a_e	Ms	6.0
GTTG	81.11	P		00:10:28.472	-0.2	36.7		5.25		TAS		103.0	0.96	m_e	MBB	6.3
IBBN	81.27	P		00:10:29.161	-0.4	36.7		5.25		TAS		100.0	0.64	m_e	MBB	6.4
KAST	81.95	P		00:10:32.566	-0.1	36.7		5.25		TAS		64.3	1.06	m_e	MBB	6.2
MOX	81.21	P		00:10:28.636	-0.3	36.7		5.25		TAS		46.0	0.71	m_e	MBB	6.2
MOX	81.21	L		00:49:56.316						T__		7813.0	18.10	a_e	Ms	6.1
NEUB	80.71	P		00:10:26.020	-0.2	36.7		5.25		TAS		270.0	1.12	m_e	MBB	6.5
PLN	81.13	P		00:10:28.279	-0.0	36.7		5.25		TAS			0.78	m_e		
RETH	80.36	P		00:10:24.317	0.1	36.7		5.25		TAS			1.32	m_e		
RGN	77.49	P		00:10:09.063	-0.1	36.7		5.25		TAS		79.2	0.66	m_e	MBB	6.8
RUE	78.94	P		00:10:16.888	0.2	36.7		5.25		TAS		526.8	1.39	m_e	MBB	6.6
TANN	81.07	P		00:10:27.960	0.1	36.7		5.25		TAS		99.3	1.31	m_e	MBB	6.2
TNS	82.74	P		00:10:36.860	0.0	36.7		5.25		TAS		31.0	0.65	m_e	MBB	6.3
WET	81.91	P		00:10:32.568	-0.0	36.7		5.25		TAS		95.7	1.07	m_e	MBB	6.4
WLF	84.03	P		00:10:43.558	0.5	36.7		5.25		TAS		390.2	1.56	m_e	MBB	6.7

Event 10514002 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/14	06:33:09.73			-0.4980	96.2720				10.0			24		85.50	90.47	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10514008
Ms	6.5		BGR	10514008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	89.88		P	06:46:08.951	-0.6	94.1		4.83		TAS		88.1	0.89	m_e	mb	6.0
ASSE	87.69		P	06:45:57.554	0.4	94.1		4.83		TAS		71.3	0.95	m_e	mb	6.0
BFO	89.02		P	06:46:04.683		94.1		4.83		TAS		32.7	0.85	m_e	mb	5.6
BRG	85.55		P	06:45:47.690	0.1	94.1		4.83		TAS		116.7	1.10	m_e	mb	5.9
BSEG	88.02		P	06:45:59.930	0.6	94.1		4.83		TAS		189.7	1.03	m_e	mb	6.4
BUG	89.78		P	06:46:08.043	0.0	94.1		4.83		TAS		78.6	0.82	m_e	mb	6.0
CLL	86.18		P	06:45:50.829	-0.4	94.1		4.83		TAS		72.8	0.95	m_e	mb	5.8
CLZ	87.86		P	06:45:58.851	-0.2	94.1		4.83		TAS		61.3	0.91	m_e	mb	5.9
FLT1	87.36		P	06:45:56.120	-0.2	94.1		4.83		TAS		36.9	0.85	m_e	mb	5.5
GEC2	85.50		P	06:45:48.188		94.1		4.83		TAS		267.3	1.23	m_e	mb	6.3
GOR1	87.37		P	06:45:56.883	0.7	94.1		4.83		TAS			1.33	m_e		
GRA1	87.19		P	06:45:56.302	0.6	94.1		4.83		TAS		122.7	1.01	m_e	mb	6.0
GRA1	87.19		L	07:31:19.501						T__		19493.2	21.70	a_e	Ms	6.5
GTTG	88.10		P	06:46:00.570	-0.1	94.1		4.83		TAS		136.9	1.17	m_e	mb	6.2
IBBN	89.49		P	06:46:07.023	-0.7	94.1		4.83		TAS		721.7	1.33	m_e	mb	6.7
KAST	89.05		P	06:46:04.797	-0.2	94.1		4.83		TAS		78.0	0.92	m_e	mb	5.9
MOX	87.00		P	06:45:54.654	-0.2	94.1		4.83		TAS		26.4	0.73	m_e	mb	5.5
MOX	87.00		L	07:33:41.622						T__		22125.1	18.90	a_e	Ms	6.6
NEUB	86.94		P	06:45:54.195	-0.2	94.1		4.83		TAS		310.7	1.21	m_e	mb	6.3
PLN	86.64		P	06:45:52.905	0.1	94.1		4.83		TAS			1.15	m_e		
RETH	88.53		P	06:46:02.815	0.1	94.1		4.83		TAS			1.02	m_e		
RUE	85.82		P	06:45:49.854	-0.5	94.1		4.83		TAS		262.1	0.89	m_e	mb	6.4
TANN	86.45		P	06:45:51.572	-0.1	94.1		4.83		TAS		51.2	1.05	m_e	mb	5.6
TNS	89.00		P	06:46:04.628	0.6	94.1		4.83		TAS		283.2	1.50	m_e	mb	6.3
WET	86.06		P	06:45:50.185	0.1	94.1		4.83		TAS		74.9	0.94	m_e	mb	5.8
WLF	90.47		P	06:46:11.560	-0.1	94.1		4.83		TAS		237.0	1.27	m_e	mb	6.3

Event 10515002 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/15	07:56:04.12	0.49	1.25	43.3430	12.7730	8.9	7.8	175	10.0			33	295	3.41	9.70	m i ke	BGR

10515008

Magnitude Err Nsta Author OrigID
ML 4.1 BGR 10515008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.36		Sn	07:58:00.405	0.6					T__				m_e	
ARSA	4.36		Pn	07:57:09.579	-0.6					T__				m_e	ML 3.9
BALST	5.36		Sn	07:58:20.867	-2.7					T__				m_e	
BALST	5.36		Pn	07:57:22.465	-1.2					T__				m_e	ML 4.0
BFO	5.87		Sn	07:58:33.222	-2.5					T__				m_e	
BFO	5.87		Pn	07:57:29.671	-0.9					T__				m_e	ML 3.9
BIOA	4.39		Sn	07:58:01.249	0.8					T__				m_e	
BIOA	4.39		Pn	07:57:10.867	0.3					T__				m_e	ML 4.3
BRG	7.57		Pn	07:57:53.573	0.0					T__				m_e	
BUG	8.91		Pn	07:58:12.520	0.9					T__				m_e	
CLL	7.97		Pn	07:57:59.490	0.6					T__				m_e	
CLZ	8.65		Pn	07:58:08.420	0.3					T__				m_e	
DAVA	4.44		Sn	07:58:04.293	2.6					T__				m_e	
DAVA	4.44		Pn	07:57:12.185	1.0					T__				m_e	ML 4.2
FETA	3.95		Sn	07:57:53.659	3.6					T__				m_e	
FETA	3.95		Pn	07:57:04.955	0.3					T__				m_e	ML 3.8
GEC2	5.54		Sn	07:58:26.247	-1.6					T__				m_e	
GEC2	5.54		Pn	07:57:25.564	-0.5					T__				m_e	ML 3.8
GOR1	9.70		Pn	07:58:23.197	0.9					T__				m_e	
GTTG	8.42		Pn	07:58:05.370	0.4					T__				m_e	
KAST	8.40		Pn	07:58:05.341	0.7					T__				m_e	
KBA	3.76		Pn	07:57:02.119	0.1					T__				m_e	
LESA	4.08		Sn	07:57:54.688	1.5					T__				m_e	
LESA	4.08		Pn	07:57:06.710	0.3					T__				m_e	ML 4.3
MOA	4.62		Sn	07:58:05.894	-0.2					T__				m_e	
MOA	4.62		Pn	07:57:13.825	0.1					T__				m_e	ML 4.0
MOTA	4.17		Sn	07:57:54.345	-0.9					T__				m_e	
MOTA	4.17		Pn	07:57:08.548	1.0					T__				m_e	ML 4.0
MOX	7.34		Sn	07:59:09.054	-1.6					T__				m_e	ML 4.3
OBKA	3.41		Sn	07:57:34.355	-2.8					T__				m_e	
OBKA	3.41		Pn	07:56:56.640	-0.6					T__				m_e	
PLN	7.15		Sn	07:59:06.383	0.2					T__				m_e	
PLN	7.15		Pn	07:57:47.982	0.1					T__				m_e	ML 3.6
PLONS	4.41		Sn	07:57:59.601	-1.4					T__				m_e	
PLONS	4.41		Pn	07:57:11.157	0.3					T__				m_e	ML 3.9
RETA	4.38		Sn	07:58:00.759	0.5					T__				m_e	
RETA	4.38		Pn	07:57:11.160	0.8					T__				m_e	ML 4.0
RETH	9.67		Pn	07:58:22.793	0.9					T__				m_e	
SLE	5.34		Sn	07:58:23.269	0.1					T__				m_e	
SLE	5.34		Pn	07:57:22.105	-1.3					T__				m_e	ML 4.5
SQTA	4.03		Sn	07:57:53.888	1.9					T__				m_e	
SQTA	4.03		Pn	07:57:06.536	0.8					T__				m_e	ML 4.2
SULZ	5.31		Sn	07:58:22.697	0.2					T__				m_e	

SULZ	5.31	Pn	07:57:22.017	-1.0	T__	m_e	ML	4.9
TANN	7.07	Sn	07:59:03.202	-1.1	T__	m_e		
TANN	7.07	Pn	07:57:46.415	-0.4	T__	m_e	ML	4.1
TNS	7.49	Sn	07:59:12.370	-1.8	T__	m_e		
TNS	7.49	Pn	07:57:53.116	0.7	T__	m_e	ML	4.0
WET	5.80	Sn	07:58:33.451	-0.6	T__	m_e		
WET	5.80	Pn	07:57:28.316	-1.3	T__	m_e	ML	4.2
WILA	4.90	Pn	07:57:16.689	-0.7	T__	m_e		
WLF	7.79	Pn	07:57:56.283	-0.2	T__	m_e		
WTTA	4.00	Sn	07:57:53.862	2.6	T__	m_e		
WTTA	4.00	Pn	07:57:06.185	0.9	T__	m_e	ML	4.3

Event 10516001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/16	03:24:00.35			41.8770	143.0400				33.0			24		76.20	81.57	m i ke	BGR
10516007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10516007
Ms	6.0		BGR	10516007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.13		P	03:36:06.235	0.2	34.4		5.46		TAS		28.8	1.00	m_e	mb	5.2
ASSE	77.57		P	03:35:52.289	0.2	34.4		5.46		TAS		21.2	0.99	m_e	mb	5.2
BFO	81.57		P	03:36:13.415	-0.5	34.4		5.46		TAS		14.0	0.76	m_e	mb	5.2
BRG	77.42		P	03:35:51.202	-0.0	34.4		5.46		TAS		24.5	1.09	m_e	mb	5.2
BSEG	76.20		P	03:35:44.549	0.1	34.4		5.46		TAS		30.5	0.86	m_e	mb	5.5
BUG	79.30		P	03:36:01.464	0.0	34.4		5.46		TAS		23.6	0.76	m_e	mb	5.3
CLL	77.41		P	03:35:50.524	-0.7	34.4		5.46		TAS		46.2	0.85	m_e	mb	5.6
CLZ	77.91		P	03:35:53.985	0.1	34.4		5.46		TAS		37.6	0.93	m_e	mb	5.5
FLT1	77.21		P	03:35:49.306	-0.8	34.4		5.46		TAS		40.6	0.94	m_e	mb	5.5
FUR	80.63		P	03:36:09.046	0.2	34.4		5.46		TAS		62.6	0.84	m_e	mb	5.7
GEC2	79.15		P	03:36:00.191	-0.5	34.4		5.46		TAS		7.9	0.70	m_e	mb	4.8
GOR1	76.64		P	03:35:47.478	0.5	34.4		5.46		TAS			1.09	m_e		
GRA1	79.39		P	03:36:02.317	0.3	34.4		5.46		TAS		50.4	0.88	m_e	mb	5.6
GRA1	79.39		L	04:14:51.246						T__		6891.5	18.10	a_e	Ms	6.0
GTTG	78.30		P	03:35:56.565	0.5	34.4		5.46		TAS		21.1	0.65	m_e	mb	5.4
IBBN	78.41		P	03:35:56.333	-0.5	34.4		5.46		TAS		34.0	0.93	m_e	mb	5.4
KAST	79.12		P	03:36:00.029	0.1	34.4		5.46		TAS		19.4	0.88	m_e	mb	5.2
MOX	78.46		L	04:13:11.070						T__		5916.0	20.00	a_e	Ms	5.9
NEUB	77.95		P	03:35:54.219	-0.2	34.4		5.46		TAS		46.5	0.85	m_e	mb	5.6
PLN	78.39		P	03:35:56.827	0.4	34.4		5.46		TAS			0.88	m_e		
RETH	77.51		P	03:35:51.514	0.1	34.4		5.46		TAS			0.86	m_e		
TANN	78.34		P	03:35:56.652	0.1	34.4		5.46		TAS		5.9	0.82	m_e	mb	4.8
TNS	79.93		P	03:36:05.131		34.4		5.46		TAS		16.3	0.92	m_e	mb	5.0

UBR	81.47	P	03:36:13.355	34.4	5.46	TAS	8.7	0.78	m_e	mb	4.9
WET	79.22	P	03:36:01.400	34.4	5.46	TAS	35.4	0.91	m_e	mb	5.4
WLF	81.19	P	03:36:11.949	34.4	5.46	TAS	23.8	0.98	m_e	mb	5.2

Event 10517006 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/17	00:53:55.50			35.5640	56.9120				33.0			33		32.79	39.15	m i ke	BGR
OrigID 10517012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10517012
Ms	4.6		BGR	10517012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	38.59		P	01:01:15.828		95.6		8.56		TAS		47.3	1.02	m_e	mb	5.1
ARSA	32.79		P	01:00:25.932	0.6	95.6		8.56		TAS		100.5	0.91	m_e	mb	5.7
ASSE	36.51		P	01:00:56.830	0.2	95.6		8.56		TAS		104.6	1.35	m_e	mb	5.4
BFO	37.69		P	01:01:06.834		95.6		8.56		TAS		20.7	1.11	a_e	mb	4.8
BRG	34.30		P	01:00:38.432	1.1	95.6		8.56		TAS		161.4	1.35	m_e	mb	5.8
BSEG	37.02		P	01:01:01.134	-0.0	95.6		8.56		TAS		143.2	1.02	a_e	mb	5.7
BUG	38.53		P	01:01:14.783		95.6		8.56		TAS		57.5	0.94	m_e	mb	5.2
CLL	34.95		P	01:00:43.534	-0.4	95.6		8.56		TAS		39.5	0.93	a_e	mb	5.3
CLZ	36.65		P	01:00:58.534	0.1	95.6		8.56		TAS		61.1	0.78	a_e	mb	5.4
FLT1	36.20		P	01:00:53.884	-0.1	95.6		8.56		TAS		103.5	0.76	a_e	mb	5.7
FUR	35.72		P	01:00:50.602	0.3	95.6		8.56		TAS		46.4	1.16	m_e	mb	5.2
GEC2	34.17		P	01:00:37.192	-0.1	95.6		8.56		TAS		23.8	0.91	m_e	mb	5.1
GOR1	36.27		P	01:00:54.842	-0.1	95.6		8.56		TAS		190.3	1.31	m_e	mb	5.8
GRA1	35.87		P	01:00:51.998	0.0	95.6		8.56		TAS		28.7	0.92	m_e	mb	5.1
GRA1	35.87		L	01:16:03.209						T__		876.8	19.70	a_e	Ms	4.5
GTTG	36.87		P	01:01:00.504	0.6	95.6		8.56		TAS		114.8	0.98	m_e	mb	5.6
HLG	38.47		P	01:01:13.341		95.6		8.56		TAS		132.6	1.12	m_e	mb	5.6
IBBN	38.31		P	01:01:12.502		95.6		8.56		TAS		112.1	1.09	m_e	mb	5.5
KAST	37.80		P	01:01:08.702		95.6		8.56		TAS		53.6	1.12	m_e	mb	5.2
KBA	34.25		P	01:00:38.807	-0.6	95.6		8.56		TAS		48.0	0.82	m_e	mb	5.5
MOA	33.69		P	01:00:33.067	-0.2	95.6		8.56		TAS		30.4	0.96	m_e	mb	5.2
MOX	35.72		L	01:14:33.428						T__		1363.0	19.40	a_e	Ms	4.7
NEUB	35.70		P	01:00:50.647	-0.2	95.6		8.56		TAS		147.7	0.79	m_e	mb	5.9
OBKA	33.39		P	01:00:31.574	1.5	95.6		8.56		TAS		70.4	1.49	m_e	mb	5.4
PLN	35.36		P	01:00:47.391	0.4	95.6		8.56		TAS		16.0	1.20	m_e	mb	4.8
RETH	37.39		P	01:01:04.384	0.4	95.6		8.56		TAS		109.3	1.29	m_e	mb	5.4
RGN	35.43		P	01:00:46.988	0.1	95.6		8.56		TAS		256.7	0.76	m_e	mb	6.2
RUE	34.69		P	01:00:40.634	-2.2	95.6		8.56		TAS		133.0	0.80	m_e	mb	5.9
STU	37.13		P	01:01:02.810	0.3	95.6		8.56		TAS		730.0	1.46	m_e	mb	6.2
TANN	35.16		P	01:00:45.380	1.1	95.6		8.56		TAS		30.1	1.20	m_e	mb	5.1
TNS	37.70		P	01:01:08.147		95.6		8.56		TAS		77.7	1.11	m_e	mb	5.3

UBR	36.48	P	01:00:56.928	-0.8	95.6	8.56	TAS	77.6	1.06	m_e	mb	5.5
WET	34.74	P	01:00:40.364	-0.6	95.6	8.56	TAS	32.9	1.52	m_e	mb	5.0
WLF	39.15	P	01:01:20.721		95.6	8.56	TAS	126.5	1.26	m_e	mb	5.4
WTTA	35.43	P	01:00:48.259	-0.1	95.6	8.56	TAS	75.8	0.76	m_e	mb	5.7

Event 10518003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/18	10:30:58.43			-23.7640	-178.4040				442.8			24		147.96	155.11	m i ke	BGR
10518009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.85		PKPdf	10:49:57.773		25.2		1.38		TAS				m_e	
ASSE	150.76		PKPbc	10:50:00.384	-0.1	19.7		2.19		TAS				m_e	
BFO	154.82		PKPdf	10:49:59.863		25.2		1.38		TAS				m_e	
BFO	154.82		PKPbc	10:50:09.007		19.7		2.19		TAS				m_e	
BFO	154.82		PKPab	10:50:26.200		18.8		4.22		TAS				m_e	
BRG	151.22		PKPdf	10:49:54.908		25.2		1.38		TAS				m_e	
BRG	151.22		PKPbc	10:50:01.637	0.1	19.7		2.19		TAS				m_e	
BRG	151.22		PKPab	10:50:11.309	-0.5	18.8		4.22		TAS				m_e	
BSEG	149.08		PKPbc	10:49:56.757	-0.1	19.7		2.19		TAS				m_e	
BUG	151.94		PKPbc	10:50:03.314	-0.0	19.7		2.19		TAS				m_e	
CLL	151.05		PKPdf	10:49:54.687	0.1	25.2		1.38		TAS				m_e	
CLL	151.05		PKPbc	10:50:01.155	0.1	19.7		2.19		TAS				m_e	
CLL	151.05		PKPab	10:50:10.378	0.4	18.8		4.22		TAS				m_e	
CLL	151.05		pPKPbc	10:51:47.338	0.2					T__				m_e	
CLZ	151.09		PKPdf	10:49:55.131	-0.3	25.2		1.38		TAS				m_e	
CLZ	151.09		PKPbc	10:50:01.645	0.4	19.7		2.19		TAS				m_e	
CLZ	151.09		PKPab	10:50:10.844	0.1	18.8		4.22		TAS				m_e	
FLT1	150.46		PKPbc	10:49:59.608	-0.2	19.7		2.19		TAS				m_e	
FUR	154.39		PKPab	10:50:25.037		18.8		4.22		TAS				m_e	
GEC2	153.14		PKPdf	10:49:57.392		25.2		1.38		TAS				m_e	
GEC2	153.14		PKPbc	10:50:05.511	-0.5	19.7		2.19		TAS				m_e	
GEC2	153.14		PKPab	10:50:18.987		18.8		4.22		TAS				m_e	
GOR1	149.82		PKPbc	10:49:58.596	0.2	19.7		2.19		TAS				m_e	
GRA1	152.97		PKPab	10:50:18.522		18.8		4.22		TAS				m_e	
GTTG	151.44		PKPbc	10:50:02.030	0.0	19.7		2.19		TAS				m_e	
GTTG	151.44		PKPab	10:50:12.472	-0.1	18.8		4.22		TAS				m_e	
HLG	149.17		PKPbc	10:49:57.366	0.0	19.7		2.19		TAS				m_e	
IBBN	151.03		PKPbc	10:50:01.100	-0.2	19.7		2.19		TAS				m_e	
IBBN	151.03		PKPab	10:50:10.378	-0.1	18.8		4.22		TAS				m_e	
KAST	152.02		PKPbc	10:50:03.399	0.0	19.7		2.19		TAS				m_e	
KAST	152.02		PKPab	10:50:14.863		18.8		4.22		TAS				m_e	
NEUB	151.43		PKPbc	10:50:02.029	0.1	19.7		2.19		TAS				m_e	

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NEUB	151.43	PKPab	10:50:12.240	0.6	18.8	4.22	TAS	m_e
PLN	152.01	PKPdf	10:49:55.720		25.2	1.38	TAS	m_e
PLN	152.01	PKPbc	10:50:03.335	0.2	19.7	2.19	TAS	m_e
PLN	152.01	PKPab	10:50:13.868		18.8	4.22	TAS	m_e
RETH	150.39	PKPdf	10:49:54.142	0.0	25.2	1.38	TAS	m_e
RETH	150.39	PKPbc	10:49:59.631	-0.1	19.7	2.19	TAS	m_e
RGN	147.96	PKPbc	10:49:53.629	-0.7	19.7	2.19	TAS	m_e
RUE	149.79	PKPbc	10:49:58.771	0.5	19.7	2.19	TAS	m_e
STU	154.25	PKPdf	10:49:59.494		25.2	1.38	TAS	m_e
TANN	152.01	PKPdf	10:49:55.262		25.2	1.38	TAS	m_e
TANN	152.01	PKPbc	10:50:03.327	0.4	19.7	2.19	TAS	m_e
TANN	152.01	PKPab	10:50:13.868		18.8	4.22	TAS	m_e
TNS	152.97	PKPbc	10:50:05.818	-0.2	19.7	2.19	TAS	m_e
TNS	152.97	PKPab	10:50:18.522		18.8	4.22	TAS	m_e
UBR	155.11	PKPdf	10:50:00.338		25.2	1.38	TAS	m_e
UBR	155.11	PKPbc	10:50:09.492		19.7	2.19	TAS	m_e
WET	153.08	PKPdf	10:49:57.666		25.2	1.38	TAS	m_e
WET	153.08	PKPbc	10:50:05.609	-0.4	19.7	2.19	TAS	m_e
WET	153.08	PKPab	10:50:19.452		18.8	4.22	TAS	m_e
WLF	153.81	PKPbc	10:50:07.871		19.7	2.19	TAS	m_e
WLF	153.81	PKPab	10:50:22.477		18.8	4.22	TAS	m_e

Event 10519005 Southern East Pacific Rise

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/19	00:42:19.00			-33.0650	-109.3940				10.0			28		130.45	135.49	m i ke	USGS
OrigID 10519023																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.1		BGR	10519011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	131.12		PKPdf	01:01:38.649	0.2	267.8		1.85		TAS					a_e	
ASSE	133.43		PKPdf	01:01:42.799	0.1	267.8		1.85		TAS					a_e	
BFO	131.75		PKPdf	01:01:39.449	-0.3	267.8		1.85		TAS					a_e	
BRG	135.49		PKPdf	01:01:46.799	0.3	267.8		1.85		TAS					a_e	
BSEG	133.20		PKPdf	01:01:42.349	-0.1	267.8		1.85		TAS					a_e	
BUG	131.30		PKPdf	01:01:38.499	-0.3	267.8		1.85		TAS					a_e	
CLL	134.89		PKPdf	01:01:45.549	0.1	267.8		1.85		TAS					a_e	
CLZ	133.25		PKPdf	01:01:42.699	0.3	267.8		1.85		TAS					a_e	
FLT1	133.78		PKPdf	01:01:43.049	-0.3	267.8		1.85		TAS					m_e	
FUR	133.70		PKPdf	01:01:42.949	-0.4	267.8		1.85		TAS					a_e	
GEC2	135.34		PKPdf	01:01:46.149	-0.2	267.8		1.85		TAS					a_e	
GOR1	133.81		PKPdf	01:01:43.299	-0.2	267.8		1.85		TAS					a_e	
GRA1	133.74		PKPdf	01:01:43.599	0.3	267.8		1.85		TAS					a_e	
GRA1	133.74		L	01:49:55.528						T__		4502.5	21.80	a_e	Ms	6.1

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GTTG	132.99	PKPdf	01:01:42.249	0.3	267.8	1.85	TAS	a_e
HLG	131.76	PKPdf	01:01:39.599	-0.2	267.8	1.85	TAS	a_e
IBBN	131.65	PKPdf	01:01:39.199	-0.2	267.8	1.85	TAS	a_e
KAST	132.01	PKPdf	01:01:40.249	0.2	267.8	1.85	TAS	a_e
NEUB	134.12	PKPdf	01:01:43.999	0.1	267.8	1.85	TAS	a_e
PLN	134.36	PKPdf	01:01:44.499	0.1	267.8	1.85	TAS	a_e
RETH	132.63	PKPdf	01:01:41.399	-0.2	267.8	1.85	TAS	a_e
RGN	134.93	PKPdf	01:01:45.499	-0.1	267.8	1.85	TAS	a_e
RUE	135.33	PKPdf	01:01:46.149	0.0	267.8	1.85	TAS	a_e
STU	132.36	PKPdf	01:01:40.849	0.2	267.8	1.85	TAS	a_e
TANN	134.55	PKPdf	01:01:44.999	0.3	267.8	1.85	TAS	a_e
TNS	131.97	PKPdf	01:01:40.349	-0.2	267.8	1.85	TAS	a_e
UBR	132.88	PKPdf	01:01:41.699	-0.0	267.8	1.85	TAS	a_e
WET	134.80	PKPdf	01:01:45.299	0.1	267.8	1.85	TAS	a_e
WLF	130.45	PKPdf	01:01:37.349		267.8	1.85	TAS	a_e

Event 10520003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/20	06:24:22.04			-21.1040	-173.6750				33.0			25		146.99	153.22	m i ke	BGR
10520009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.53		PKPbc	06:44:10.765	-0.0	9.5		2.45		TAS				a_e	
ASSE	148.76		PKPbc	06:44:06.315	0.1	9.5		2.45		TAS				a_e	
BFO	152.69		PKPbc	06:44:15.615	-0.3	9.5		2.45		TAS				a_e	
BRG	149.61		PKPbc	06:44:08.515	0.2	9.5		2.45		TAS				a_e	
BSEG	146.99		PKPbc	06:44:01.415	-0.5	9.5		2.45		TAS				a_e	
BUG	149.62		PKPbc	06:44:08.365	-0.2	9.5		2.45		TAS				a_e	
CLL	149.32		PKPbc	06:44:07.615	0.1	9.5		2.45		TAS				a_e	
CLZ	149.07		PKPbc	06:44:07.252	0.3	9.5		2.45		TAS				m_e	
FLT1	148.51		PKPbc	06:44:05.365	-0.2	9.5		2.45		TAS				a_e	
FUR	152.62		PKPbc	06:44:15.365	-0.3	9.5		2.45		TAS				a_e	
GEC2	151.61		PKPbc	06:44:13.215	-0.1	9.5		2.45		TAS				m_e	
GOR1	147.85		PKPbc	06:44:03.901	-0.1	9.5		2.45		TAS				m_e	
GTTG	149.39		PKPbc	06:44:07.965	-0.1	9.5		2.45		TAS				a_e	
IBBN	148.75		PKPbc	06:44:06.315	0.1	9.5		2.45		TAS				a_e	
KAST	149.82		PKPbc	06:44:09.065	0.3	9.5		2.45		TAS				a_e	
NEUB	149.58		PKPbc	06:44:08.315	-0.3	9.5		2.45		TAS				a_e	
PLN	150.23		PKPbc	06:44:10.061	-0.0	9.5		2.45		TAS				m_e	
RETH	148.25		PKPbc	06:44:05.015	0.2	9.5		2.45		TAS				a_e	
RUE	148.07		PKPbc	06:44:04.265	-0.4	9.5		2.45		TAS				a_e	
STU	152.21		PKPbc	06:44:14.665	0.2	9.5		2.45		TAS				a_e	
TANN	150.26		PKPbc	06:44:10.058	0.4	9.5		2.45		TAS				m_e	

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TNS	150.80	PKPbc	06:44:11.524	9.5	2.45	TAS	m_e
UBR	153.22	PKPbc	06:44:16.700	9.5	2.45	TAS	m_e
WET	151.45	PKPbc	06:44:12.968	9.5	2.45	TAS	m_e
WLF	151.41	PKPbc	06:44:13.470	9.5	2.45	TAS	m_e

Event 10521007 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/21	16:02:43.100			-3.3630	65.4570				33.0			14		69.63	73.14	m i ke	BGR
10521013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10521013
Ms	4.8		BGR	10521013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	71.48		P	16:14:04.309	0.1	120.8		6.10		TAS		16.4	1.05	m_e mb	5.1
BRG	69.63		P	16:13:51.130	-0.2	120.8		6.10		TAS		5.2	0.94	m_e mb	4.6
BSEG	73.14		P	16:14:13.396		120.8		6.10		TAS		9.7	1.05	m_e mb	4.9
CLL	70.36		P	16:13:56.299	0.0	120.8		6.10		TAS		13.8	0.88	m_e mb	5.1
CLZ	72.04		P	16:14:06.377		120.8		6.10		TAS		13.0	0.96	m_e mb	5.0
FLT1	71.83		P	16:14:04.497		120.8		6.10		TAS		17.9	1.06	m_e mb	5.1
FUR	69.68		P	16:13:52.730	-0.3	120.8		6.10		TAS		25.0	0.83	m_e mb	5.4
GRA1	70.48		P	16:13:56.223	1.1	120.8		6.10		TAS		35.5	0.99	m_e mb	5.5
GRA1	70.48		L	16:48:38.438						T_		610.2	22.00	a_e Ms	4.8
GTTG	72.11		P	16:14:07.833		120.8		6.10		TAS		12.6	0.87	m_e mb	5.1
NEUB	70.96		P	16:14:00.781	0.7	120.8		6.10		TAS		30.5	0.97	m_e mb	5.4
RUE	70.60		P	16:13:59.313	-0.9	120.8		6.10		TAS		27.4	0.87	m_e mb	5.4
STU	71.18		P	16:14:01.431	-0.8	120.8		6.10		TAS		38.5	1.00	m_e mb	5.5
TNS	72.30		P	16:14:07.509		120.8		6.10		TAS		16.9	1.07	m_e mb	5.1
UBR	70.12		P	16:13:54.611	-1.0	120.8		6.10		TAS		84.4	1.17	m_e mb	5.8

Event 10521008 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/21	18:04:21.90			34.8700	97.6500				33.0			28		59.30	65.20	m i ke	BGR
10521014																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	10521014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	64.30		P	18:14:54.777	-0.1	68.7		6.68		TAS		799.3	1.49	a_e mb	6.7

ASSE	61.60	P	18:14:36.427	-0.4	68.7	6.68	TAS	638.0	1.60	a_e	mb	6.6
BFO	64.47	P	18:14:55.477	-0.4	68.7	6.68	TAS	888.2	1.41	a_e	mb	6.8
BRG	60.13	P	18:14:26.727	-0.2	68.7	6.68	TAS	970.1	1.49	a_e	mb	6.6
BSEG	61.16	P	18:14:34.227	0.6	68.7	6.68	TAS	1806.1	1.49	a_e	mb	6.7
CLL	60.54	P	18:14:29.177	-0.6	68.7	6.68	TAS	1072.8	1.58	a_e	mb	6.4
CLZ	61.88	P	18:14:38.827	0.1	68.7	6.68	TAS	497.0	0.97	a_e	mb	6.7
FLT1	61.21	P	18:14:33.377	-0.8	68.7	6.68	TAS	766.9	1.43	a_e	mb	6.3
FUR	62.73	P	18:14:44.877	0.7	68.7	6.68	TAS	3637.5	1.62	a_e	mb	7.2
GEC2	60.98	P	18:14:32.827	0.4	68.7	6.68	TAS	795.2	1.48	m_e	mb	6.3
GOR1	60.94	P	18:14:32.627	0.3	68.7	6.68	TAS	2285.3	1.55	a_e	mb	6.8
GRA1	62.18	P	18:14:41.127	0.5	68.7	6.68	TAS	1887.2	1.51	a_e	mb	7.1
GTTG	62.23	P	18:14:41.127	0.1	68.7	6.68	TAS	1579.9	1.64	a_e	mb	7.0
HLG	62.41	P	18:14:42.327	0.5	68.7	6.68	TAS	725.2	0.98	a_e	mb	6.9
IBBN	63.20	P	18:14:47.377	-0.1	68.7	6.68	TAS	1604.9	1.62	a_e	mb	6.9
KAST	63.25	P	18:14:47.777	-0.1	68.7	6.68	TAS	500.3	1.48	a_e	mb	6.4
MOX	61.59	P	18:14:36.727	-0.1	68.7	6.68	TAS	903.1	1.49	a_e	mb	6.8
NEUB	61.30	P	18:14:34.577	-0.3	68.7	6.68	TAS	1679.1	1.52	a_e	mb	6.6
PLN	61.33	P	18:14:34.927	-0.1	68.7	6.68	TAS	350.4	1.58	a_e	mb	6.0
RETH	62.13	P	18:14:40.477	0.2	68.7	6.68	TAS	1268.8	1.67	a_e	mb	6.9
RGN	59.30	P	18:14:21.477	0.3	68.7	6.68	TAS	1997.4	1.36	a_e	mb	7.0
RUE	59.69	P	18:14:23.627	-0.5	68.7	6.68	TAS	1308.0	1.45	a_e	mb	6.8
STU	63.76	P	18:14:51.027	-0.2	68.7	6.68	TAS	3318.2	1.68	a_e	mb	7.3
TANN	61.17	P	18:14:33.927	-0.0	68.7	6.68	TAS	1056.0	1.60	a_e	mb	6.4
TNS	63.62	P	18:14:50.227	-0.2	68.7	6.68	TAS	828.7	1.64	a_e	mb	6.7
UBR	63.64	P	18:14:50.177	-0.0	68.7	6.68	TAS	1080.1	1.48	a_e	mb	6.9
WET	61.38	P	18:14:35.577	0.4	68.7	6.68	TAS	1076.9	1.60	a_e	mb	6.4
WLF	65.20	P	18:15:01.077	0.1	68.7	6.68	TAS	2563.1	1.59	a_e	mb	7.2

Event 10521009 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/21	18:04:21.90		34.8700	97.6500				33.0						59.30	65.20	m i ke	BGR
10521015																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.7		BGR	10521015
Ms	7.5		BGR	10521015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	64.30		P	18:14:54.777		68.7		6.68		TAS		799.3	1.49	a_e	mb	6.7
ASSE	61.60		P	18:14:36.427		68.7		6.68		TAS		638.0	1.60	a_e	mb	6.6
BFO	64.47		P	18:14:55.477		68.7		6.68		TAS		888.2	1.41	a_e	mb	6.8
BRG	60.13		P	18:14:26.727		68.7		6.68		TAS		970.1	1.49	a_e	mb	6.6
BSEG	61.16		P	18:14:34.227		68.7		6.68		TAS		1806.1	1.49	a_e	mb	6.7
CLL	60.54		P	18:14:29.177		68.7		6.68		TAS		1072.8	1.58	a_e	mb	6.4
CLZ	61.88		P	18:14:38.827		68.7		6.68		TAS		497.0	0.97	a_e	mb	6.7

FLT1	61.21	P	18:14:33.377	68.7	6.68	TAS	766.9	1.43	a_e	mb	6.3
FUR	62.73	P	18:14:44.877	68.7	6.68	TAS	3637.5	1.62	a_e	mb	7.2
GEC2	60.98	P	18:14:32.827	68.7	6.68	TAS	795.2	1.48	m_e	mb	6.3
GOR1	60.94	P	18:14:32.627	68.7	6.68	TAS	2285.3	1.55	a_e	mb	6.8
GRA1	62.18	P	18:14:41.127	68.7	6.68	TAS	1887.2	1.51	a_e	mb	7.1
GRA1	62.18	L	18:43:01.260			T__	590635.0	21.70	a_e	Ms	7.7
GTTG	62.23	P	18:14:41.127	68.7	6.68	TAS	1579.9	1.64	a_e	mb	7.0
HLG	62.41	P	18:14:42.327	68.7	6.68	TAS	725.2	0.98	a_e	mb	6.9
IBBN	63.20	P	18:14:47.377	68.7	6.68	TAS	1604.9	1.62	a_e	mb	6.9
KAST	63.25	P	18:14:47.777	68.7	6.68	TAS	500.3	1.48	a_e	mb	6.4
MOX	61.59	P	18:14:36.727	68.7	6.68	TAS	903.1	1.49	a_e	mb	6.8
MOX	61.59	L	18:43:09.490			T__	274626.0	21.00	a_e	Ms	7.4
NEUB	61.30	P	18:14:34.577	68.7	6.68	TAS	1679.1	1.52	a_e	mb	6.6
PLN	61.33	P	18:14:34.927	68.7	6.68	TAS	350.4	1.58	a_e	mb	6.0
RETH	62.13	P	18:14:40.477	68.7	6.68	TAS	1268.8	1.67	a_e	mb	6.9
RGN	59.30	P	18:14:21.477	68.7	6.68	TAS	1997.4	1.36	a_e	mb	7.0
RUE	59.69	P	18:14:23.627	68.7	6.68	TAS	1308.0	1.45	m_e	mb	6.8
STU	63.76	P	18:14:51.027	68.7	6.68	TAS	3318.2	1.68	a_e	mb	7.3
TANN	61.17	P	18:14:33.927	68.7	6.68	TAS	1056.0	1.60	a_e	mb	6.4
TNS	63.62	P	18:14:50.227	68.7	6.68	TAS	828.7	1.64	a_e	mb	6.7
UBR	63.64	P	18:14:50.177	68.7	6.68	TAS	1080.1	1.48	a_e	mb	6.9
WET	61.38	P	18:14:35.577	68.7	6.68	TAS	1076.9	1.60	a_e	mb	6.4
WLF	65.20	P	18:15:01.077	68.7	6.68	TAS	2563.1	1.59	a_e	mb	7.2

Event 10521010 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/21	22:13:14.97			-18.2050	-176.5000				10.0			17		143.86	150.02	m i ke	BGR
10521016																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.4		BGR	10521016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	147.52		PKPbc	22:32:58.419		13.9		2.80		TAS				m_e		
BFO	149.60		PKPbc	22:33:03.111		13.9		2.80		TAS				m_e		
BRG	146.28		PKPbc	22:32:53.882	0.7	13.9		2.80		TAS				m_e		
BSEG	143.86		PKPbc	22:32:47.168	0.6	13.9		2.80		TAS				m_e		
BUG	146.61		PKPbc	22:32:55.306	0.8	13.9		2.80		TAS				m_e		
CLZ	145.91		PKPbc	22:32:54.076	0.1	13.9		2.80		TAS				m_e		
FLT1	145.32		PKPbc	22:32:51.522	-0.2	13.9		2.80		TAS				m_e		
GEC2	148.25		PKPbc	22:33:00.502		13.9		2.80		TAS				m_e		
GRA1	147.89		PKPbc	22:32:59.828		13.9		2.80		TAS				m_e		
GRA1	147.89		L	23:41:08.068						T__	7157.3	20.70		a_e	Ms	6.4
GTTG	146.25		PKPbc	22:32:54.697	0.8	13.9		2.80		TAS				m_e		
KAST	146.75		PKPbc	22:32:55.803	-0.8	13.9		2.80		TAS				m_e		

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PLN	146.97	PKPbc	22:32:56.376	13.9	2.80	TAS	m_e
TANN	146.99	PKPbc	22:32:56.542	13.9	2.80	TAS	m_e
TNS	147.72	PKPbc	22:32:59.163	13.9	2.80	TAS	m_e
UBR	150.02	PKPbc	22:33:03.642	13.9	2.80	TAS	m_e
WET	148.13	PKPbc	22:33:00.432	13.9	2.80	TAS	m_e
WLF	148.45	PKPbc	22:33:01.824	13.9	2.80	TAS	m_e

Event 10522001 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/22	02:29:45.04			35.0320	96.1710				10.0			16		59.13	64.22	m i ke	BGR
OrigID 10522007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10522007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	63.46		P	02:40:13.223		68.8		6.80		TAS		22.9	1.18	m_e mb	5.2
BRG	59.13		P	02:39:43.819	0.4	68.8		6.80		TAS		8.0	0.79	m_e mb	4.8
BSEG	60.22		P	02:39:52.232	0.3	68.8		6.80		TAS		20.2	0.87	m_e mb	5.2
CLL	59.55		P	02:39:46.840	0.1	68.8		6.80		TAS				m_e	
CLZ	60.91		P	02:39:56.725	-0.6	68.8		6.80		TAS				m_e	
FLT1	60.24		P	02:39:50.700	0.1	68.8		6.80		TAS				m_e	
FUR	61.71		P	02:40:02.419		68.8		6.80		TAS				m_e	
GEC2	59.96		P	02:39:50.409	-1.1	68.8		6.80		TAS		16.5	1.16	m_e mb	5.0
GRA1	61.18		P	02:39:58.977	0.1	68.8		6.80		TAS				m_e	
GTTG	61.25		P	02:39:58.939		68.8		6.80		TAS				m_e	
NEUB	60.32		P	02:39:52.230	0.6	68.8		6.80		TAS				m_e	
TANN	60.18		P	02:39:51.675	-0.2	68.8		6.80		TAS		8.8	0.98	m_e mb	4.8
TNS	62.64		P	02:40:08.019		68.8		6.80		TAS				m_e	
UBR	62.62		P	02:40:08.011		68.8		6.80		TAS		9.4	0.89	m_e mb	4.9
WET	60.36		P	02:39:52.910	0.5	68.8		6.80		TAS		7.1	0.98	m_e mb	4.7
WLF	64.22		P	02:40:19.072		68.8		6.80		TAS		23.4	0.91	m_e mb	5.4

Event 10522003 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/22	09:04:48.89			52.5140	-173.5980				33.0			13		73.74	79.38	m i ke	BGR
OrigID 10522009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10522009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.18		P	09:16:38.507		3.0		5.57		TAS				m_e	
BFO	79.38		P	09:16:50.007		3.0		5.57		TAS		8.6	0.80	m_e mb	4.7
BRG	76.66		P	09:16:34.792		3.0		5.57		TAS		16.5	0.83	m_e mb	5.2
BSEG	73.74		P	09:16:18.962	0.5	3.0		5.57		TAS		14.7	0.86	m_e mb	5.0
CLL	76.27		P	09:16:32.491	-0.2	3.0		5.57		TAS		9.3	0.78	m_e mb	5.0
CLZ	75.83		P	09:16:30.916	0.1	3.0		5.57		TAS		13.9	0.73	m_e mb	5.2
FLT1	75.32		P	09:16:26.975	-0.2	3.0		5.57		TAS		12.0	0.67	m_e mb	5.0
GEC2	78.69		P	09:16:46.267		3.0		5.57		TAS		8.3	0.78	m_e mb	4.8
GRA1	77.96		P	09:16:42.816		3.0		5.57		TAS				m_e	
MOX	76.99		P	09:16:36.966		3.0		5.57		TAS				m_e	
NEUB	76.43		P	09:16:34.335		3.0		5.57		TAS				m_e	
STU	78.93		P	09:16:47.580		3.0		5.57		TAS		32.4	0.84	m_e mb	5.4
TANN	77.18		P	09:16:38.416		3.0		5.57		TAS		5.4	0.85	m_e mb	4.7
TNS	77.49		P	09:16:39.443		3.0		5.57		TAS				m_e	
WET	78.43		P	09:16:44.985		3.0		5.57		TAS				m_e	

Event 10522004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/22	21:32:58.68			-18.0260	-178.7140				553.0			11		144.17	149.47	m i ke	BGR
	10522010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.14		PKPbc	21:51:44.369		17.7		2.73		TAS				m_e	
BRG	145.63		PKPbc	21:51:35.499		17.7		2.73		TAS				m_e	
CLL	145.43		PKPbc	21:51:34.576	0.0	17.7		2.73		TAS				m_e	
CLZ	145.41		PKPbc	21:51:34.701	-0.7	17.7		2.73		TAS				m_e	
FLT1	144.80		PKPbc	21:51:32.904	0.2	17.7		2.73		TAS				m_e	
FUR	148.77		PKPbc	21:51:43.964		17.7		2.73		TAS				m_e	
GEC2	147.57		PKPbc	21:51:41.003		17.7		2.73		TAS				m_e	
RUE	144.17		PKPbc	21:51:31.002		17.7		2.73		TAS				m_e	
TANN	146.39		PKPbc	21:51:37.632		17.7		2.73		TAS				m_e	
TNS	147.28		PKPbc	21:51:40.508		17.7		2.73		TAS				m_e	
UBR	149.47		PKPbc	21:51:45.867		17.7		2.73		TAS				m_e	
WLF	148.10		PKPbc	21:51:42.779		17.7		2.73		TAS				m_e	

Event 10523001 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/23	22:15:00.80			72.4000	6.2900				10.0			20		18.14	24.83	m i ke	BGR

10523007

Magnitude Err Nsta Author OrigID
mb 4.2 BGR 10523007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.91		P	22:19:55.941	-0.7	357.0		10.47		TAS		13.3	0.81	m_e mb	4.4
ASSE	20.41		P	22:19:36.847	0.6	357.0		10.47		TAS		7.2	0.97	m_e mb	3.9
BFO	24.14		P	22:20:16.088		357.0		10.47		TAS		7.6	1.01	m_e mb	4.2
BRG	21.84		P	22:19:53.339	0.3	357.0		10.47		TAS				m_e	
BSEG	18.59		P	22:19:18.192	-0.9	357.0		10.47		TAS		8.4	0.87	m_e mb	4.0
CLL	21.35		P	22:19:48.201	-0.5	357.0		10.47		TAS		8.1	0.96	m_e mb	4.0
CLZ	20.68		P	22:19:40.278	1.1	357.0		10.47		TAS				m_e	
FLT1	20.23		P	22:19:34.454	0.7	357.0		10.47		TAS				m_e	
FUR	24.39		P	22:20:19.452		357.0		10.47		TAS				m_e	
GEC2	23.84		P	22:20:13.768		357.0		10.47		TAS		3.7	0.78	m_e mb	4.0
GRA1	22.86		P	22:20:03.508		357.0		10.47		TAS		11.5	1.01	m_e mb	4.4
GTTG	20.96		P	22:19:43.942	3.0	357.0		10.47		TAS		20.9	1.12	m_e mb	4.4
IBBN	20.15		P	22:19:34.055	-0.1	357.0		10.47		TAS		14.5	0.88	m_e mb	4.2
KAST	21.26		P	22:19:46.154	1.8	357.0		10.47		TAS		11.5	1.03	m_e mb	4.2
NEUB	21.39		P	22:19:48.038	0.0	357.0		10.47		TAS				m_e	
RGN	18.14		P	22:19:14.833	1.2	357.0		10.47		TAS		53.0	0.95	m_e mb	4.7
TANN	22.20		P	22:19:57.359		357.0		10.47		TAS		11.8	0.90	m_e mb	4.3
TNS	22.24		P	22:19:58.942		357.0		10.47		TAS				m_e	
UBR	24.83		P	22:20:23.734		357.0		10.47		TAS		2.7	0.82	m_e mb	4.0
WET	23.49		P	22:20:10.227		357.0		10.47		TAS				m_e	

Event 10524001 Northern Mid-Atlantic Ridge

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/05/24 01:01:30.88 27.8090 -43.0580 22.9 0.9 17 43.21 48.33 m i ke BGR
 10524007

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 10524007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	43.96		P	01:09:34.403	-1.4	262.7		7.87		TAS				m_e	
ASSE	46.48		P	01:09:56.178	0.0	262.7		7.87		TAS				m_e	
BFO	44.39		P	01:09:39.386	-0.1	262.7		7.87		TAS		17.7	1.10	m_e mb	4.7
BFO	44.39		pP	01:09:45.476						T__				m_e	
BRG	48.33		P	01:10:09.688		262.7		7.87		TAS		5.4	1.02	m_e mb	4.6
BRG	48.33		pP	01:10:15.898						T__				m_e	
BSEG	46.61		P	01:09:56.179	-0.5	262.7		7.87		TAS				m_e	
BSEG	46.61		pP	01:10:02.532						T__				m_e	
CLL	47.79		P	01:10:05.610		262.7		7.87		TAS				m_e	

./bul2105.txt

Wed Jan 11 09:16:11 2023

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Station	Time	Type	Time	Lat	Long	Mag	Depth	Def	Err	Nsta	Gap	Mdist	Qual	Author
CLL	47.79	pP	01:10:11.579					T__						
CLZ	46.25	P	01:09:53.465	-0.2	262.7	7.87		TAS	6.3	0.92		m_e mb	4.6	
FLT1	46.85	P	01:09:58.208		262.7	7.87		TAS	7.5	1.07		m_e mb	4.7	
FLT1	46.85	pP	01:10:04.187					T__				m_e		
GEC2	47.98	P	01:10:07.464		262.7	7.87		TAS	7.0	1.00		m_e mb	4.7	
GEC2	47.98	pP	01:10:13.442					T__				m_e		
GRA1	46.46	P	01:09:56.076	-0.2	262.7	7.87		TAS				m_e		
GTTG	45.94	P	01:09:50.864	0.0	262.7	7.87		TAS				m_e		
KAST	44.93	P	01:09:43.941		262.7	7.87		TAS	2.7	0.86		m_e mb	4.2	
STU	45.02	P	01:09:43.979	-0.1	262.7	7.87		TAS	28.0	0.97		m_e mb	5.2	
STU	45.02	pP	01:09:50.365					T__				m_e		
TANN	47.34	P	01:10:02.200		262.7	7.87		TAS				m_e		
TANN	47.34	pP	01:10:08.315					T__				m_e		
TNS	44.77	P	01:09:42.072	-0.1	262.7	7.87		TAS				m_e		
UBR	45.49	P	01:09:48.426	0.9	262.7	7.87		TAS	6.3	0.92		m_e mb	4.5	
UBR	45.49	pP	01:09:54.357					T__				m_e		
WET	47.47	P	01:10:02.907		262.7	7.87		TAS				m_e		
WET	47.47	pP	01:10:09.120					T__				m_e		
WLF	43.21	P	01:09:30.009	0.1	262.7	7.87		TAS				m_e		

Event 10524002 Namibia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/24	08:27:55.60			-18.0600	13.9100				33.0			8		65.57	69.17	m i ke	BGR
10524008																	

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 10524008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	66.32	P		08:38:40.166	0.4	177.2		6.34		TAS		3.7	0.81	m_e mb	4.7
BRG	68.67	P		08:38:55.545		177.2		6.34		TAS		2.9	0.91	m_e mb	4.5
GEC2	66.64	P		08:38:43.707	0.7	177.2		6.34		TAS		4.9	0.95	m_e mb	4.7
GRA1	67.53	P		08:38:49.755	-0.6	177.2		6.34		TAS		11.5	0.84	m_e mb	5.1
KAST	69.17	P		08:38:59.632		177.2		6.34		TAS		6.7	0.79	m_e mb	4.9
TANN	68.23	P		08:38:53.050		177.2		6.34		TAS				m_e	
TNS	68.19	P		08:38:53.481		177.2		6.34		TAS		8.0	0.77	m_e mb	5.0
UBR	65.57	P		08:38:36.853	0.3	177.2		6.34		TAS		5.1	0.77	m_e mb	4.8

Event 10525001 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/25	03:46:46.80			-30.4700	-178.5000				114.0			15		154.41	161.52	m i ke	EMSC

10525033

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	161.34		PKPab	04:07:18.589		24.5		4.32		TAS					m_e	
BRG	157.54		PKPab	04:07:01.810	-0.4	24.5		4.32		TAS					m_e	
BSEG	155.62		PKPab	04:06:53.768	-0.2	24.5		4.32		TAS					m_e	
CLL	157.43		PKPab	04:07:01.086	0.9	24.5		4.32		TAS					m_e	
CLZ	157.59		PKPab	04:07:02.172	-0.2	24.5		4.32		TAS					m_e	
FLT1	156.94		PKPab	04:06:58.893	-0.3	24.5		4.32		TAS					m_e	
GEC2	159.38		PKPab	04:07:09.718		24.5		4.32		TAS					m_e	
GRA1	159.38		PKPab	04:07:10.511		24.5		4.32		TAS					m_e	
IBBN	157.62		PKPab	04:07:02.335	0.0	24.5		4.32		TAS					m_e	
MOX	158.40		PKPab	04:07:05.605		24.5		4.32		TAS					m_e	
RGN	154.41		PKPab	04:06:35.189		24.5		4.32		TAS					m_e	
STU	160.73		PKPab	04:07:14.456		24.5		4.32		TAS					m_e	
TANN	158.38		PKPab	04:07:05.641	0.2	24.5		4.32		TAS					m_e	
TNS	159.51		PKPab	04:07:10.417		24.5		4.32		TAS					m_e	
UBR	161.52		PKPab	04:07:19.094		24.5		4.32		TAS					m_e	
WET	159.39		PKPab	04:07:09.644		24.5		4.32		TAS					m_e	
WLF	160.43		pPKPab	04:07:43.452						T__					m_e	

Event 10525002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/25	19:27:21.50			-20.0100	-177.5400				518.0				24	145.52	151.62	m i ke	EMSC

10525034

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	149.22		PKPbc	19:46:11.621	0.5	16.4		2.44		TAS					a_e	
ASSE	147.22		PKPbc	19:46:06.471	-0.2	16.4		2.44		TAS					a_e	
BFO	151.26		PKPbc	19:46:16.171		16.4		2.44		TAS					a_e	
BRG	147.81		PKPbc	19:46:08.121	0.2	16.4		2.44		TAS					a_e	
BSEG	145.52		PKPbc	19:46:01.721	-0.1	16.4		2.44		TAS					a_e	
BUG	148.32		PKPbc	19:46:09.121	0.1	16.4		2.44		TAS					a_e	
CLL	147.60		PKPbc	19:46:07.371	0.0	16.4		2.44		TAS					a_e	
CLZ	147.55		PKPbc	19:46:07.621	-0.1	16.4		2.44		TAS					a_e	
FLT1	146.94		PKPbc	19:46:05.421	0.1	16.4		2.44		TAS					a_e	
FUR	150.94		PKPbc	19:46:15.421		16.4		2.44		TAS					a_e	
GEC2	149.77		PKPbc	19:46:12.871		16.4		2.44		TAS					m_e	
GOR1	146.29		PKPbc	19:46:04.221	0.6	16.4		2.44		TAS					a_e	
GRA1	149.49		PKPbc	19:46:12.560		16.4		2.44		TAS					m_e	
GTTG	147.89		PKPbc	19:46:08.271	0.1	16.4		2.44		TAS					a_e	

IBBN	147.41	PKPbc	19:46:07.268		16.4		2.44	TAS		m_e
KAST	148.43	PKPbc	19:46:09.571	0.1	16.4		2.44	TAS		a_e
NEUB	147.94	PKPbc	19:46:08.321	0.1	16.4		2.44	TAS		a_e
PLN	148.55	PKPbc	19:46:09.921	-0.1	16.4		2.44	TAS		a_e
RETH	146.81	PKPbc	19:46:05.471	-0.4	16.4		2.44	TAS		a_e
RUE	146.34	PKPbc	19:46:05.021	-0.0	16.4		2.44	TAS		a_e
STU	150.71	PKPbc	19:46:15.071		16.4		2.44	TAS		a_e
TANN	148.56	PKPbc	19:46:10.021	-0.1	16.4		2.44	TAS		a_e
TNS	149.39	PKPbc	19:46:11.971	0.1	16.4		2.44	TAS		a_e
UBR	151.62	PKPbc	19:46:16.921		16.4		2.44	TAS		a_e
WET	149.67	PKPbc	19:46:12.458	-0.3	16.4		2.44	TAS		m_e
WLF	150.17	PKPbc	19:46:14.371	-0.2	16.4		2.44	TAS		a_e

Event 10528001 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/28	07:24:16.71			36.4000	70.3500				226.5	2.5		21		42.25	47.34	m i ke	BGR
OrigID 10528007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10528007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	46.62		P	07:32:22.821		85.7		7.94		TAS		10.3	0.87	m_e mb	5.0
BFO	46.14		P	07:32:18.229		85.7		7.94		TAS		6.2	1.08	m_e mb	4.6
BRG	42.25		P	07:31:48.107	-0.1	85.7		7.94		TAS		15.4	0.85	m_e mb	4.8
BSEG	44.35		P	07:32:04.972	-0.1	85.7		7.94		TAS		19.1	0.79	m_e mb	4.9
BUG	46.39		P	07:32:20.839		85.7		7.94		TAS		15.4	0.95	m_e mb	5.0
CLL	42.82		P	07:31:52.266	0.2	85.7		7.94		TAS		69.2	2.26	m_e mb	5.0
CLZ	44.43		P	07:32:05.533	-0.1	85.7		7.94		TAS		20.9	1.27	m_e mb	4.7
CLZ	44.43		pP	07:32:53.565		85.9		8.27		TAS				m_e	
FLT1	43.86		P	07:32:00.456	0.1	85.7		7.94		TAS		28.5	0.81	m_e mb	5.0
FLT1	43.86		pP	07:32:48.509		85.9		8.27		TAS				m_e	
GEC2	42.54		P	07:31:50.327	0.2	85.7		7.94		TAS		7.9	1.28	m_e mb	4.3
GOR1	43.79		P	07:32:00.570	0.7	85.7		7.94		TAS		18.2	0.96	m_e mb	4.8
GOR1	43.79		pP	07:32:48.318		85.9		8.27		TAS				m_e	
GRA1	44.08		P	07:32:03.476	0.1	85.7		7.94		TAS		10.4	0.90	m_e mb	4.6
GTTG	44.70		P	07:32:07.731	-0.4	85.7		7.94		TAS		32.5	1.24	m_e mb	5.1
GTTG	44.70		pP	07:32:56.131		85.9		8.27		TAS				m_e	
IBBN	45.99		P	07:32:17.674		85.7		7.94		TAS		22.5	0.96	m_e mb	5.2
IBBN	45.99		pP	07:33:06.358		85.9		8.27		TAS				m_e	
NEUB	43.60		P	07:31:58.662	-0.5	85.7		7.94		TAS		16.8	0.88	m_e mb	4.8
PLN	43.41		P	07:31:57.407	0.4	85.7		7.94		TAS		2.7	1.03	m_e mb	3.9
RETH	44.98		P	07:32:09.842	-0.1	85.7		7.94		TAS		6.3	1.12	m_e mb	4.5
RETH	44.98		pP	07:32:58.171		85.9		8.27		TAS				m_e	
RUE	42.30		P	07:31:47.887	-0.6	85.7		7.94		TAS		55.1	1.29	m_e mb	5.1

TANN	43.22	P	07:31:56.040	-0.3	85.7	7.94	TAS	8.2	1.07	m_e mb	4.4
TNS	45.79	P	07:32:16.238		85.7	7.94	TAS	9.5	1.05	m_e mb	4.8
UBR	45.06	P	07:32:09.885	-0.2	85.7	7.94	TAS	8.7	0.72	m_e mb	4.8
WLF	47.34	P	07:32:28.671		85.7	7.94	TAS	16.8	0.93	m_e mb	5.2

Event 10528004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/28	13:41:34.70			-18.3500	168.0700				35.0					143.57	143.57	m i ke	NEIC
10528099																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	143.57		PKP	14:01:02.546		39.0		3.13		TAS				m_e	

Event 10528005 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/28	20:35:49.60			29.8100	50.6100				10.0					35.67	35.67	m i ke	NEIC
10528100																	

Magnitude Err Nsta Author OrigID

mb	4.9		BGR	10528011
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	35.67		P	20:42:49.020		109.0		9.81		TAS		22.4	1.19	m_e mb	4.9

Event 10528006 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/28	23:21:08.60			36.5100	141.9000				33.0				26	80.44	85.85	m i ke	BGR
10528012																	

Magnitude Err Nsta Author OrigID

mb	5.2		BGR	10528012
Ms	5.1		BGR	10528012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.52		P	23:33:39.221	0.1	37.9		5.13		TAS		28.4	1.22	m_e mb	5.4

ASSE	81.90	P	23:33:25.544	0.1	37.9	5.13	TAS	13.6	1.01	m_e	mb	5.0
BFO	85.85	P	23:33:45.669		37.9	5.13	TAS	24.9	0.98	m_e	mb	5.3
BRG	81.61	P	23:33:24.171	0.1	37.9	5.13	TAS	13.6	0.85	m_e	mb	5.1
BSEG	80.60	P	23:33:18.996	0.0	37.9	5.13	TAS	25.8	0.98	m_e	mb	5.2
CLL	81.65	P	23:33:24.090	0.0	37.9	5.13	TAS	25.3	0.91	m_e	mb	5.3
CLZ	82.24	P	23:33:27.761	-0.3	37.9	5.13	TAS	21.9	1.01	m_e	mb	5.2
FLT1	81.53	P	23:33:23.329	0.3	37.9	5.13	TAS	21.6	0.80	m_e	mb	5.3
FUR	84.81	P	23:33:40.776		37.9	5.13	TAS	27.2	0.75	m_e	mb	5.6
GEC2	83.27	P	23:33:32.673	0.2	37.9	5.13	TAS	9.8	0.73	m_e	mb	5.1
GOR1	80.98	P	23:33:21.046	-0.1	37.9	5.13	TAS	28.0	1.25	m_e	mb	5.2
GRA1	83.62	P	23:33:35.054	-0.0	37.9	5.13	TAS	35.4	0.97	m_e	mb	5.6
GRA1	83.62	L	00:18:04.794				T__	664.2	18.30	a_e	Ms	5.0
GTTG	82.63	P	23:33:29.498	0.0	37.9	5.13	TAS	19.7	1.01	m_e	mb	5.3
IBBN	82.83	P	23:33:30.428	-0.1	37.9	5.13	TAS	22.2	0.71	m_e	mb	5.5
KAST	83.49	P	23:33:33.849	0.0	37.9	5.13	TAS	7.1	0.87	m_e	mb	4.9
MOX	82.71	P	23:33:29.851	-0.0	37.9	5.13	TAS	13.5	0.93	m_e	mb	5.2
MOX	82.71	L	00:13:52.401				T__	688.4	18.30	a_e	Ms	5.1
NEUB	82.22	P	23:33:27.248	0.1	37.9	5.13	TAS	26.7	0.86	m_e	mb	5.4
PLN	82.62	P	23:33:29.504	0.1	37.9	5.13	TAS	3.2	0.97	m_e	mb	4.5
RETH	81.90	P	23:33:25.676	0.0	37.9	5.13	TAS	21.5	1.10	m_e	mb	5.2
RUE	80.44	P	23:33:18.065	-0.5	37.9	5.13	TAS	20.2	0.83	m_e	mb	5.2
STU	85.15	P	23:33:42.387	-0.6	37.9	5.13	TAS	73.0	0.90	m_e	mb	5.9
TANN	82.56	P	23:33:29.042	0.6	37.9	5.13	TAS	6.9	1.00	m_e	mb	4.8
TNS	84.27	P	23:33:37.909	0.3	37.9	5.13	TAS	10.2	0.89	m_e	mb	5.1
UBR	85.67	P	23:33:44.434		37.9	5.13	TAS	11.7	1.24	m_e	mb	4.9
WET	83.38	P	23:33:33.597	-0.3	37.9	5.13	TAS	10.1	0.93	m_e	mb	5.0
WLF	85.58	P	23:33:44.620	0.0	37.9	5.13	TAS	41.8	1.41	m_e	mb	5.4

Event 10529001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/29	00:04:55.16			36.5000	142.5000				33.0			20		80.82	86.09	m i ke	BGR
10529007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10529007
Ms	4.6		BGR	10529007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.74		P	00:17:24.567	-0.1	37.4		5.14		TAS		13.4	1.38	m_e	mb	5.0
ASSE	82.14		P	00:17:11.163	-0.1	37.4		5.14		TAS		4.2	0.78	m_e	mb	4.6
BFO	86.09		P	00:17:31.115		37.4		5.14		TAS		13.8	1.23	m_e	mb	5.0
BRG	81.86		P	00:17:09.644	0.3	37.4		5.14		TAS		4.0	0.91	m_e	mb	4.5
BSEG	80.82		P	00:17:04.534	-0.5	37.4		5.14		TAS		20.6	1.23	m_e	mb	5.0
CLL	81.89		P	00:17:09.580	0.1	37.4		5.14		TAS		10.3	1.01	m_e	mb	4.9
CLZ	82.48		P	00:17:13.232	-0.0	37.4		5.14		TAS		13.6	1.16	m_e	mb	5.1

FLT1	81.77	P	00:17:08.763	-0.1	37.4	5.14	TAS	6.9	0.89	m_e	mb	4.8
FUR	85.06	P	00:17:26.249		37.4	5.14	TAS	9.7	0.70	m_e	mb	5.1
GEC2	83.53	P	00:17:18.116		37.4	5.14	TAS	3.2	0.91	m_e	mb	4.5
GRA1	83.87	P	00:17:20.604		37.4	5.14	TAS	18.7	1.18	m_e	mb	5.2
GRA1	83.87	L	01:00:02.595				T__	221.9	18.00	a_e	Ms	4.6
IBBN	83.05	P	00:17:15.854	0.1	37.4	5.14	TAS	6.5	0.88	m_e	mb	4.9
KAST	83.71	P	00:17:19.323	-0.0	37.4	5.14	TAS	11.6	1.42	m_e	mb	4.9
MOX	82.95	P	00:17:15.368	-0.2	37.4	5.14	TAS	13.7	1.69	m_e	mb	4.9
NEUB	82.46	P	00:17:12.750	0.5	37.4	5.14	TAS	11.0	0.96	m_e	mb	5.1
PLN	82.87	P	00:17:15.005	-0.4	37.4	5.14	TAS	2.7	1.29	m_e	mb	4.3
STU	85.40	P	00:17:27.871		37.4	5.14	TAS	22.0	0.87	m_e	mb	5.3
TANN	82.80	P	00:17:14.727	0.1	37.4	5.14	TAS	14.9	1.87	m_e	mb	4.9
TNS	84.50	P	00:17:23.317		37.4	5.14	TAS	6.7	1.27	m_e	mb	4.7
WET	83.63	P	00:17:19.129		37.4	5.14	TAS	7.0	1.24	m_e	mb	4.8

Event 10529002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/29	01:02:44.09		36.3600	142.0900				33.0				27		80.64	86.05	m i ke	BGR
OrigID 10529008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10529008
MBB	6.0		BGR	10529008
Ms	5.3		BGR	10529008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.72		P	01:15:15.616	0.1	37.9		5.12		TAS		187.5	2.20	m_e	MBB 6.0
ASSE	82.11		P	01:15:02.129	0.1	37.9		5.12		TAS		60.7	1.62	m_e	MBB 5.9
BFO	86.05		P	01:15:22.179	-0.5	37.9		5.12		TAS		38.7	1.18	m_e	MBB 6.0
BRG	81.81		P	01:15:00.680	-0.0	37.9		5.12		TAS		158.7	2.25	m_e	MBB 5.8
BSEG	80.80		P	01:14:55.560	0.0	37.9		5.12		TAS		258.6	2.20	m_e	MBB 5.9
BUG	83.91		P	01:15:11.350	0.0	37.9		5.12		TAS		58.0	1.48	m_e	MBB 5.9
CLL	81.85		P	01:15:00.612	-0.1	37.9		5.12		TAS		34.9	1.06	m_e	MBB 5.8
CLZ	82.45		P	01:15:04.313	-0.1	37.9		5.12		TAS		57.5	1.34	m_e	MBB 6.1
FLT1	81.73		P	01:14:59.813	0.3	37.9		5.12		TAS		41.2	1.14	m_e	MBB 6.0
FUR	85.01		P	01:15:17.282		37.9		5.12		TAS		354.5	2.32	m_e	MBB 6.1
GEC2	83.48		P	01:15:09.157	-0.3	37.9		5.12		TAS		27.4	1.34	m_e	MBB 5.8
GOR1	81.19		P	01:14:57.764	-0.1	37.9		5.12		TAS		207.7	1.84	m_e	MBB 6.1
GRA1	83.83		P	01:15:11.592	-0.1	37.9		5.12		TAS		349.7	2.09	m_e	mb 6.2
GRA1	83.83		L	01:59:50.907						T__		1602.2	21.60	a_e	Ms 5.4
GTTG	82.84		P	01:15:06.100	-0.3	37.9		5.12		TAS		29.1	1.14	m_e	MBB 5.8
IBBN	83.03		P	01:15:06.938	-0.1	37.9		5.12		TAS		50.8	1.25	m_e	MBB 5.9
KAST	83.69		P	01:15:10.386	-0.1	37.9		5.12		TAS		29.5	1.36	m_e	MBB 6.0
MOX	82.92		P	01:15:06.440	0.1	37.9		5.12		TAS		67.1	1.79	m_e	MBB 5.9
MOX	82.92		L	01:51:02.847						T__		1103.6	20.60	a_e	Ms 5.2

NEUB	82.42	P	01:15:03.764	0.0	37.9	5.12	TAS	45.6	1.12	m_e	MBB	6.0
PLN	82.83	P	01:15:06.012	0.1	37.9	5.12	TAS	36.6	1.99	m_e	MBB	5.6
RETH	82.10	P	01:15:02.244	-0.0	37.9	5.12	TAS	138.4	1.87	m_e	MBB	6.1
RUE	80.64	P	01:14:54.674	-0.5	37.9	5.12	TAS	302.5	2.12	m_e	MBB	6.1
STU	85.36	P	01:15:18.925	0.1	37.9	5.12	TAS	77.4	0.85	m_e	MBB	6.3
TANN	82.76	P	01:15:05.702	0.2	37.9	5.12	TAS	67.8	1.99	m_e	MBB	5.8
TNS	84.47	P	01:15:14.437	0.5	37.9	5.12	TAS	110.3	2.08	m_e	MBB	6.0
UBR	85.87	P	01:15:21.071		37.9	5.12	TAS	29.5	1.56	m_e	MBB	6.0
WET	83.58	P	01:15:10.168	0.0	37.9	5.12	TAS	103.2	1.98	m_e	MBB	6.0
WLF	85.78	P	01:15:21.298	0.4	37.9	5.12	TAS	166.5	1.85	m_e	MBB	6.0

Event 10529004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/29	10:10:42.15			42.4500	142.6020				33.0			25		75.53	80.92	m i ke	BGR
	10529010																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10529010
Ms	4.3		BGR	10529010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.47		P	10:22:43.912	-0.3	34.4		5.51		TAS		6.1	0.78	m_e	mb	4.6
ASSE	76.91		P	10:22:29.776	0.3	34.4		5.51		TAS		9.6	1.01	m_e	mb	4.9
BFO	80.92		P	10:22:51.613		34.4		5.51		TAS		16.4	1.54	m_e	mb	4.8
BRG	76.76		P	10:22:28.845	0.4	34.4		5.51		TAS		7.6	1.15	m_e	mb	4.7
BSEG	75.54		P	10:22:22.357	-0.4	34.4		5.51		TAS		10.8	0.68	m_e	mb	5.1
BUG	78.64		P	10:22:39.228	-0.0	34.4		5.51		TAS		10.7	0.77	m_e	mb	4.9
CLL	76.76		P	10:22:28.641	-0.1	34.4		5.51		TAS		12.1	0.64	m_e	mb	5.2
CLZ	77.25		P	10:22:32.144	-0.1	34.4		5.51		TAS		15.4	0.62	m_e	mb	5.3
FLT1	76.55		P	10:22:27.436	0.1	34.4		5.51		TAS		15.5	0.62	m_e	mb	5.3
FUR	79.97		P	10:22:46.989	-0.3	34.4		5.51		TAS		18.0	0.71	m_e	mb	5.1
GEC2	78.49		P	10:22:38.526	0.6	34.4		5.51		TAS		3.8	0.70	m_e	mb	4.5
GRA1	78.73		P	10:22:40.505	0.2	34.4		5.51		TAS		16.6	0.80	m_e	mb	5.1
GRA1	78.73		L	11:00:33.558						T__		161.4	19.70	a_e	Ms	4.4
GTTG	77.64		P	10:22:34.157	0.0	34.4		5.51		TAS		11.5	0.74	m_e	mb	5.1
IBBN	77.75		P	10:22:34.438	-0.0	34.4		5.51		TAS		14.1	0.68	m_e	mb	5.2
KAST	78.46		P	10:22:38.451	-0.1	34.4		5.51		TAS		6.1	0.82	m_e	mb	4.7
MOX	77.80		P	10:22:34.801	0.5	34.4		5.51		TAS		5.7	0.69	m_e	mb	4.8
MOX	77.80		L	10:58:45.734						T__		157.4	20.70	a_e	Ms	4.3
NEUB	77.30		P	10:22:31.776	0.1	34.4		5.51		TAS		16.3	0.94	m_e	mb	5.1
PLN	77.74		P	10:22:34.500	0.1	34.4		5.51		TAS		1.2	0.72	m_e	mb	4.1
RETH	76.86		P	10:22:29.611	-0.2	34.4		5.51		TAS		6.3	0.68	m_e	mb	4.9
RUE	75.53		P	10:22:22.166	0.1	34.4		5.51		TAS		19.0	0.56	m_e	mb	5.4
STU	80.23		P	10:22:48.175		34.4		5.51		TAS		31.5	0.66	m_e	mb	5.4
TANN	77.68		P	10:22:34.076	0.0	34.4		5.51		TAS		5.6	1.13	m_e	mb	4.6

TNS	79.28	P	10:22:42.900	-0.0	34.4	5.51	TAS	34.8	1.95	m_e	mb	5.0
UBR	80.81	P	10:22:51.078		34.4	5.51	TAS	3.9	0.71	m_e	mb	4.5
WET	78.56	P	10:22:39.425	0.0	34.4	5.51	TAS	8.0	0.84	m_e	mb	4.8

Event 10530001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/30	03:55:16.88			-18.3800	-177.4000				553.5	5.5		28		143.93	150.05	m i ke	BGR
OrigID 10530007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.62		PKPdf	04:13:55.686	-0.1	17.4		1.61		TAS					m_e
AHRW	147.62		PKPbc	04:13:58.929	0.3	14.8		2.81		TAS					m_e
AHRW	147.62		PKPab	04:14:01.774		14.3		4.14		TAS					m_e
ASSE	145.64		PKPbc	04:13:53.337	0.1	14.8		2.81		TAS					m_e
BFO	149.67		PKPdf	04:13:58.647		17.4		1.61		TAS					m_e
BFO	149.67		PKPbc	04:14:04.083	-0.7	14.8		2.81		TAS					a_e
BFO	149.67		PKPab	04:14:10.356		14.3		4.14		TAS					m_e
BRG	146.26		PKPdf	04:13:53.271	0.1	17.4		1.61		TAS					m_e
BRG	146.26		PKPbc	04:13:55.183	0.4	14.8		2.81		TAS					a_e
BSEG	143.93		PKPbc	04:13:47.705	-0.5	14.8		2.81		TAS					m_e
BUG	146.71		PKPdf	04:13:53.869	-0.1	17.4		1.61		TAS					m_e
BUG	146.71		PKPbc	04:13:56.354	0.2	14.8		2.81		TAS					m_e
CLL	146.04		PKPdf	04:13:52.841	-0.1	17.4		1.61		TAS					m_e
CLL	146.04		PKPbc	04:13:54.434	0.1	14.8		2.81		TAS					m_e
CLZ	145.96		PKPdf	04:13:52.963	0.1	17.4		1.61		TAS					m_e
CLZ	145.96		PKPbc	04:13:54.533	0.1	14.8		2.81		TAS					a_e
FLT1	145.36		PKPbc	04:13:52.183	0.1	14.8		2.81		TAS					a_e
FUR	149.38		PKPdf	04:13:58.206		17.4		1.61		TAS					m_e
FUR	149.38		PKPbc	04:14:03.412	-0.5	14.8		2.81		TAS					m_e
FUR	149.38		PKPab	04:14:09.318		14.3		4.14		TAS					m_e
GEC2	148.23		PKPdf	04:13:56.283		17.4		1.61		TAS					m_e
GEC2	148.23		PKPbc	04:14:00.433	0.4	14.8		2.81		TAS					m_e
GEC2	148.23		PKPab	04:14:04.438		14.3		4.14		TAS					m_e
GEC2	148.23		pPKPbc	04:16:07.573						T__					m_e
GOR1	144.71		PKPbc	04:13:50.564	-0.4	14.8		2.81		TAS					m_e
GRA1	147.92		PKPdf	04:13:56.152		17.4		1.61		TAS					m_e
GRA1	147.92		PKPbc	04:13:59.957	-0.0	14.8		2.81		TAS					m_e
GRA1	147.92		PKPab	04:14:03.318		14.3		4.14		TAS					m_e
GRA1	147.92		pPKPbc	04:16:07.068						T__					m_e
GTTG	146.31		PKPdf	04:13:53.374	0.2	17.4		1.61		TAS					m_e
GTTG	146.31		PKPbc	04:13:55.488	0.2	14.8		2.81		TAS					m_e
HLG	143.94		PKPbc	04:13:48.128	-0.0	14.8		2.81		TAS					m_e
IBBN	145.81		PKPbc	04:13:54.014	0.4	14.8		2.81		TAS					m_e

KAST	146.84	PKPdf	04:13:54.316	0.4	17.4	1.61	TAS	m_e
KAST	146.84	PKPbc	04:13:56.833	0.2	14.8	2.81	TAS	a_e
MOX	146.93	PKPdf	04:13:54.285	0.2	17.4	1.61	TAS	m_e
MOX	146.93	PKPbc	04:13:57.024	0.3	14.8	2.81	TAS	m_e
MOX	146.93	pPKPbc	04:16:05.541				T__	m_e
NEUB	146.37	PKPdf	04:13:53.478	-0.0	17.4	1.61	TAS	m_e
NEUB	146.37	PKPbc	04:13:55.488	-0.1	14.8	2.81	TAS	m_e
PLN	146.99	PKPdf	04:13:54.412	-0.1	17.4	1.61	TAS	m_e
PLN	146.99	PKPbc	04:13:57.233	0.3	14.8	2.81	TAS	a_e
PLN	146.99	pPKPbc	04:16:05.892				T__	m_e
RETH	145.22	PKPbc	04:13:52.156	-0.2	14.8	2.81	TAS	m_e
RUE	144.78	PKPbc	04:13:50.445	0.1	14.8	2.81	TAS	m_e
STU	149.13	PKPdf	04:13:58.168		17.4	1.61	TAS	m_e
STU	149.13	PKPbc	04:14:02.941	-0.3	14.8	2.81	TAS	m_e
STU	149.13	PKPab	04:14:07.789		14.3	4.14	TAS	m_e
TANN	147.00	PKPdf	04:13:54.470	-0.2	17.4	1.61	TAS	m_e
TANN	147.00	PKPbc	04:13:57.326	-0.0	14.8	2.81	TAS	m_e
TANN	147.00	PKPab	04:13:59.364		14.3	4.14	TAS	m_e
TANN	147.00	pPKPbc	04:16:06.112				T__	m_e
TNS	147.80	PKPdf	04:13:56.006		17.4	1.61	TAS	m_e
TNS	147.80	PKPbc	04:13:59.617	0.4	14.8	2.81	TAS	m_e
TNS	147.80	PKPab	04:14:02.654		14.3	4.14	TAS	m_e
TNS	147.80	pPKPbc	04:16:06.521				T__	m_e
UBR	150.05	PKPdf	04:13:59.216		17.4	1.61	TAS	m_e
UBR	150.05	PKPbc	04:14:04.833		14.8	2.81	TAS	a_e
WET	148.12	PKPdf	04:13:56.173		17.4	1.61	TAS	m_e
WET	148.12	PKPbc	04:14:00.245	-0.2	14.8	2.81	TAS	m_e
WET	148.12	PKPab	04:14:04.090		14.3	4.14	TAS	m_e
WET	148.12	pPKPbc	04:16:07.189				T__	m_e
WLF	148.57	PKPdf	04:13:57.795		17.4	1.61	TAS	m_e
WLF	148.57	PKPbc	04:14:02.133	-0.1	14.8	2.81	TAS	a_e
WLF	148.57	PKPab	04:14:06.240		14.3	4.14	TAS	m_e

Event 10530002 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/30	04:50:16.45			34.1090	98.1580				36.3			24		60.96	66.04	m i ke	BGR
10530008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10530008
MBB	5.5		BGR	10530008
Ms	4.6		BGR	10530008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	65.13		P	05:00:52.567		68.3		6.66		TAS		17.5	1.31	m_e	MBB 5.4

ASSE	62.44	P	05:00:34.101	0.1	68.3	6.66	TAS	32.2	2.29	m_e	MBB	5.4
BFO	65.29	P	05:00:53.107		68.3	6.66	TAS	45.5	1.61	m_e	MBB	5.6
BRG	60.96	P	05:00:24.450	0.3	68.3	6.66	TAS	76.4	1.99	m_e	MBB	5.1
BSEG	62.01	P	05:00:31.945	-0.3	68.3	6.66	TAS	17.1	0.97	m_e	MBB	5.7
CLL	61.37	P	05:00:26.892	0.2	68.3	6.66	TAS	64.1	1.95	m_e	MBB	5.2
CLL	61.37	pP	05:00:37.045				T__			m_e		
CLZ	62.72	P	05:00:36.619	0.6	68.3	6.66	TAS	12.1	0.85	m_e	MBB	5.5
FLT1	62.04	P	05:00:31.285	-0.1	68.3	6.66	TAS	8.1	0.94	m_e	MBB	5.5
FUR	63.55	P	05:00:42.708	-0.3	68.3	6.66	TAS	36.6	1.09	m_e	MBB	5.9
GEC2	61.80	P	05:00:30.537	0.7	68.3	6.66	TAS	39.1	1.78	m_e	MBB	5.4
GOR1	61.78	P	05:00:30.314	-0.1	68.3	6.66	TAS	45.8	1.50	m_e	MBB	5.8
GRA1	63.01	P	05:00:39.012	0.7	68.3	6.66	TAS	13.1	1.00	m_e	mb	5.0
GRA1	63.01	L	05:28:44.294				T__	455.6	19.30	a_e	Ms	4.7
GTTG	63.06	P	05:00:38.859	0.1	68.3	6.66	TAS	38.1	1.46	m_e	MBB	5.5
IBBN	64.04	P	05:00:45.103	-0.2	68.3	6.66	TAS	67.6	1.85	m_e	MBB	5.8
KAST	64.09	P	05:00:45.475	0.0	68.3	6.66	TAS	14.9	1.46	m_e	MBB	5.2
MOX	62.42	P	05:00:34.373	0.2	68.3	6.66	TAS	25.3	1.54	m_e	MBB	5.4
MOX	62.42	L	05:28:14.693				T__	305.2	20.00	a_e	Ms	4.5
NEUB	62.13	P	05:00:32.266	0.3	68.3	6.66	TAS	103.7	2.11	m_e	MBB	5.6
PLN	62.16	P	05:00:32.666	-0.1	68.3	6.66	TAS	18.3	1.95	m_e	MBB	4.9
RETH	62.97	P	05:00:38.001	0.2	68.3	6.66	TAS	59.4	1.96	m_e	MBB	5.5
STU	64.58	P	05:00:48.719		68.3	6.66	TAS	28.7	0.96	m_e	MBB	6.0
TANN	62.00	P	05:00:31.661	-0.6	68.3	6.66	TAS	53.6	2.06	m_e	MBB	5.4
TNS	64.45	P	05:00:47.771	0.1	68.3	6.66	TAS	50.8	2.07	m_e	MBB	5.6
WET	62.20	P	05:00:33.342	-0.4	68.3	6.66	TAS	43.5	1.94	m_e	MBB	5.4
WLF	66.04	P	05:00:58.753		68.3	6.66	TAS			m_e		

Event 10530003 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/30	06:55:17.23			34.0710	98.2070				10.8	0.6		27		60.59	66.09	m i ke	BGR
OrigID 10530009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10530009
Ms	5.0		BGR	10530009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	65.19		P	07:05:57.114	0.1	68.3		6.67		TAS		11.9	1.22	m_e	mb	5.0
AHRW	65.19		pP	07:06:00.309	0.2	68.3		6.67		TAS				m_e		
ASSE	62.50		P	07:05:38.952	0.3	68.3		6.67		TAS		9.5	1.27	m_e	mb	4.8
ASSE	62.50		pP	07:05:42.009	0.2	68.3		6.67		TAS				m_e		
BFO	65.34		P	07:05:58.004		68.3		6.67		TAS		10.3	1.01	m_e	mb	5.0
BFO	65.34		pP	07:06:00.995		68.3		6.67		TAS				m_e		
BRG	61.01		P	07:05:29.371	-0.6	68.3		6.67		TAS		11.8	0.83	m_e	mb	4.8
BRG	61.01		pP	07:05:32.392	-0.5	68.3		6.67		TAS				m_e		

BSEG	62.06	P	07:05:36.798	-0.7	68.3	6.67	TAS	28.1	0.98	m_e	mb	5.5
BSEG	62.06	pP	07:05:39.812	-0.6	68.3	6.67	TAS			m_e		
BUG	64.71	P	07:05:54.107	-0.5	68.3	6.67	TAS	9.7	0.95	m_e	mb	5.0
BUG	64.71	pP	07:05:57.131	-0.5	68.3	6.67	TAS			m_e		
CLL	61.42	P	07:05:31.722	0.4	68.3	6.67	TAS	14.3	1.00	m_e	mb	4.8
CLL	61.42	pP	07:05:34.778	0.3	68.3	6.67	TAS			m_e		
CLZ	62.77	P	07:05:41.483	0.3	68.3	6.67	TAS	17.4	0.80	m_e	mb	5.2
CLZ	62.77	pP	07:05:44.440	0.3	68.3	6.67	TAS			m_e		
FLT1	62.10	P	07:05:35.988	-0.2	68.3	6.67	TAS	12.5	0.87	m_e	mb	5.2
FLT1	62.10	pP	07:05:39.053	-0.3	68.3	6.67	TAS			m_e		
FUR	63.60	P	07:05:47.408	-0.2	68.3	6.67	TAS	37.0	1.04	m_e	mb	5.5
FUR	63.60	pP	07:05:50.516	-0.2	68.3	6.67	TAS			m_e		
GEC2	61.85	P	07:05:35.442	-0.1	68.3	6.67	TAS	9.5	0.96	m_e	mb	5.0
GEC2	61.85	pP	07:05:38.414	-0.1	68.3	6.67	TAS			m_e		
GOR1	61.83	P	07:05:35.148	0.3	68.3	6.67	TAS	31.6	1.16	m_e	mb	5.4
GOR1	61.83	pP	07:05:38.142	0.3	68.3	6.67	TAS			m_e		
GRA1	63.06	P	07:05:43.707	0.2	68.3	6.67	TAS	20.7	0.95	m_e	mb	5.2
GRA1	63.06	pP	07:05:46.733	0.1	68.3	6.67	TAS			m_e		
GRA1	63.06	L	07:33:54.625				T__	781.0	18.60	a_e	Ms	4.9
GTTG	63.12	P	07:05:43.672	0.6	68.3	6.67	TAS	19.3	1.05	m_e	mb	5.2
GTTG	63.12	pP	07:05:46.621	0.7	68.3	6.67	TAS			m_e		
IBBN	64.09	P	07:05:49.893	-0.1	68.3	6.67	TAS	13.0	1.06	m_e	mb	5.1
IBBN	64.09	pP	07:05:52.866	-0.1	68.3	6.67	TAS			m_e		
KAST	64.14	P	07:05:50.188	-0.1	68.3	6.67	TAS	9.1	1.51	m_e	mb	4.8
KAST	64.14	pP	07:05:53.202	-0.1	68.3	6.67	TAS			m_e		
MOX	62.48	P	07:05:39.238	-0.4	68.3	6.67	TAS	10.3	1.06	m_e	mb	4.9
MOX	62.48	pP	07:05:42.248	-0.3	68.3	6.67	TAS			m_e		
MOX	62.48	L	07:34:08.969				T__	937.9	18.00	a_e	Ms	5.0
NEUB	62.19	P	07:05:37.139	-0.1	68.3	6.67	TAS	22.4	1.03	m_e	mb	5.3
NEUB	62.19	pP	07:05:40.112	-0.0	68.3	6.67	TAS			m_e		
PLN	62.21	P	07:05:37.481	0.3	68.3	6.67	TAS	2.4	0.88	m_e	mb	4.4
PLN	62.21	pP	07:05:40.531	0.3	68.3	6.67	TAS			m_e		
RETH	63.02	P	07:05:42.970	0.5	68.3	6.67	TAS	18.1	1.34	m_e	mb	5.0
RETH	63.02	pP	07:05:46.031	0.5	68.3	6.67	TAS			m_e		
RUE	60.59	P	07:05:26.260	-0.2	68.3	6.67	TAS	14.0	0.80	m_e	mb	4.8
RUE	60.59	pP	07:05:29.343	-0.2	68.3	6.67	TAS			m_e		
STU	64.64	P	07:05:53.566	-0.2	68.3	6.67	TAS	32.1	1.04	m_e	mb	5.5
STU	64.64	pP	07:05:56.601	-0.1	68.3	6.67	TAS			m_e		
TANN	62.05	P	07:05:36.443	0.7	68.3	6.67	TAS	10.1	1.05	m_e	mb	5.0
TANN	62.05	pP	07:05:39.493	0.7	68.3	6.67	TAS			m_e		
TNS	64.51	P	07:05:52.798	0.0	68.3	6.67	TAS	5.3	0.84	m_e	mb	4.8
TNS	64.51	pP	07:05:55.777	0.0	68.3	6.67	TAS			m_e		
UBR	64.51	P	07:05:52.778	-0.2	68.3	6.67	TAS	9.3	0.96	m_e	mb	5.0
UBR	64.51	pP	07:05:55.748	-0.2	68.3	6.67	TAS			m_e		
WET	62.25	P	07:05:38.114	-0.1	68.3	6.67	TAS	10.7	1.14	m_e	mb	5.0
WET	62.25	pP	07:05:41.162	-0.1	68.3	6.67	TAS			m_e		
WLF	66.09	P	07:06:03.518		68.3	6.67	TAS	21.7	0.96	m_e	mb	5.4
WLF	66.09	pP	07:06:06.644		68.3	6.67	TAS			m_e		

Event 10530005 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/30	13:33:35.06			28.8600	140.1100				500.0			20		86.74	91.77	m i ke	BGR
OrigID 10530011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10530011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.77		P	13:45:46.555		43.1		4.63		TAS		12.6	0.72	m_e mb	5.3
BRG	87.42		P	13:45:26.560	-0.1	43.1		4.63		TAS		10.3	0.76	m_e mb	5.2
BSEG	86.74		P	13:45:23.563	-0.3	43.1		4.63		TAS		16.1	0.98	m_e mb	5.1
CLL	87.53		P	13:45:26.804	0.1	43.1		4.63		TAS		20.3	1.09	m_e mb	5.4
CLZ	88.26		P	13:45:30.807	0.0	43.1		4.63		TAS		7.5	0.88	m_e mb	5.0
FLT1	87.54		P	13:45:26.713	0.1	43.1		4.63		TAS		8.4	0.73	m_e mb	5.2
FUR	90.58		P	13:45:41.471		43.1		4.63		TAS		49.4	0.97	m_e mb	5.8
GEC2	88.97		P	13:45:33.578	0.3	43.1		4.63		TAS		18.5	1.04	m_e mb	5.2
GRA1	89.48		P	13:45:36.597	-0.2	43.1		4.63		TAS		20.4	0.83	m_e mb	5.4
GTTG	88.65		P	13:45:32.386	0.1	43.1		4.63		TAS		51.9	1.84	m_e mb	5.5
IBBN	88.98		P	13:45:33.871	0.1	43.1		4.63		TAS		28.4	0.98	m_e mb	5.5
KAST	89.55		P	13:45:36.413		43.1		4.63		TAS		3.4	0.87	m_e mb	4.6
MOX	88.61		P	13:45:32.174	-0.1	43.1		4.63		TAS		9.5	1.01	m_e mb	5.0
PLN	88.49		P	13:45:31.633	0.5	43.1		4.63		TAS		3.4	0.93	m_e mb	4.6
RETH	88.01		P	13:45:29.238	0.1	43.1		4.63		TAS		8.0	1.02	m_e mb	5.0
STU	91.06		P	13:45:43.497		43.1		4.63		TAS		40.3	0.89	m_e mb	5.8
TANN	88.41		P	13:45:31.240	0.1	43.1		4.63		TAS		4.6	0.83	m_e mb	4.8
TNS	90.28		P	13:45:39.930		43.1		4.63		TAS		6.9	1.14	m_e mb	4.8
UBR	91.47		P	13:45:44.928		43.1		4.63		TAS		5.6	0.65	m_e mb	5.0
WET	89.13		P	13:45:34.608	-0.4	43.1		4.63		TAS		7.8	0.97	m_e mb	4.9

Event 10531001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/31	00:48:45.50			-19.6360	-174.9920				142.8			9		144.49	151.63	m i ke	BGR
OrigID 10531007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.03		PKPbc	01:08:16.046	-0.1	11.6		2.59		TAS				m_e	
ASSE	147.18		PKPbc	01:08:11.281	0.1	11.6		2.59		TAS				m_e	
BFO	151.16		PKPbc	01:08:21.009	-0.5	11.6		2.59		TAS				m_e	

BFO	151.16	PKPab	01:08:30.003		10.2	4.25	TAS	m_e
BRG	147.95	PKPpdf	01:08:09.316		10.6	1.56	TAS	m_e
BRG	147.95	PKPbc	01:08:13.341	0.2	11.6	2.59	TAS	a_e
BRG	147.95	PKPab	01:08:16.654		10.2	4.25	TAS	m_e
BSEG	145.43	PKPbc	01:08:06.441	-0.2	11.6	2.59	TAS	a_e
BUG	148.12	PKPbc	01:08:13.591	-0.2	11.6	2.59	TAS	a_e
BUG	148.12	PKPab	01:08:17.279		10.2	4.25	TAS	m_e
CLL	147.69	PKPpdf	01:08:08.688	-0.1	10.6	1.56	TAS	m_e
CLL	147.69	PKPbc	01:08:12.535	0.1	11.6	2.59	TAS	m_e
CLL	147.69	PKPab	01:08:15.401		10.2	4.25	TAS	m_e
CLZ	147.50	PKPbc	01:08:12.422	0.5	11.6	2.59	TAS	m_e
FLT1	146.92	PKPbc	01:08:10.291	-0.1	11.6	2.59	TAS	a_e
FUR	151.00	PKPpdf	01:08:13.846		10.6	1.56	TAS	m_e
FUR	151.00	PKPbc	01:08:20.719	-0.3	11.6	2.59	TAS	m_e
FUR	151.00	PKPab	01:08:29.561		10.2	4.25	TAS	m_e
GEC2	149.95	PKPpdf	01:08:12.256		10.6	1.56	TAS	m_e
GEC2	149.95	PKPbc	01:08:18.231	-0.1	11.6	2.59	TAS	m_e
GOR1	146.26	PKPbc	01:08:08.866	0.1	11.6	2.59	TAS	m_e
GRA1	149.51	PKPpdf	01:08:11.952		10.6	1.56	TAS	m_e
GRA1	149.51	PKPbc	01:08:17.441	0.3	11.6	2.59	TAS	a_e
GRA1	149.51	PKPab	01:08:23.420		10.2	4.25	TAS	m_e
GTTG	147.83	PKPbc	01:08:13.123	0.3	11.6	2.59	TAS	m_e
HLG	145.35	PKPbc	01:08:06.491	-0.1	11.6	2.59	TAS	m_e
IBBN	147.23	PKPpdf	01:08:07.996	0.3	10.6	1.56	TAS	m_e
IBBN	147.23	PKPbc	01:08:11.531	0.1	11.6	2.59	TAS	m_e
KAST	148.29	PKPpdf	01:08:09.832		10.6	1.56	TAS	m_e
KAST	148.29	PKPbc	01:08:14.291	0.1	11.6	2.59	TAS	a_e
MOX	148.53	PKPpdf	01:08:10.042		10.6	1.56	TAS	m_e
MOX	148.53	PKPbc	01:08:14.860	0.3	11.6	2.59	TAS	m_e
NEUB	147.97	PKPpdf	01:08:09.228		10.6	1.56	TAS	m_e
NEUB	147.97	PKPbc	01:08:13.291	0.1	11.6	2.59	TAS	a_e
PLN	148.61	PKPpdf	01:08:10.328		10.6	1.56	TAS	m_e
PLN	148.61	PKPbc	01:08:15.091	0.3	11.6	2.59	TAS	a_e
PLN	148.61	PKPab	01:08:19.327		10.2	4.25	TAS	m_e
RETH	146.70	PKPbc	01:08:10.041	0.1	11.6	2.59	TAS	a_e
RGN	144.49	PKPbc	01:08:03.232	-0.9	11.6	2.59	TAS	m_e
RUE	146.43	PKPbc	01:08:09.102	-0.1	11.6	2.59	TAS	m_e
STU	150.65	PKPbc	01:08:20.054	-0.1	11.6	2.59	TAS	m_e
TANN	148.63	PKPpdf	01:08:10.438		10.6	1.56	TAS	m_e
TANN	148.63	PKPbc	01:08:15.263	0.4	11.6	2.59	TAS	m_e
TANN	148.63	PKPab	01:08:19.553		10.2	4.25	TAS	m_e
TNS	149.26	PKPbc	01:08:16.791	0.2	11.6	2.59	TAS	a_e
UBR	151.63	PKPbc	01:08:21.997	-0.6	11.6	2.59	TAS	m_e
WET	149.80	PKPbc	01:08:17.876	-0.1	11.6	2.59	TAS	m_e
WET	149.80	PKPab	01:08:24.232		10.2	4.25	TAS	m_e
WET	149.80	pPKPbc	01:08:55.559				T__	m_e
WLF	149.93	PKPbc	01:08:18.941	0.3	11.6	2.59	TAS	a_e

Event 10531002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/31	02:55:47.81			48.3820	152.9880				182.4	0.3		27		71.84	78.92	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10531008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.07		P	03:07:18.975	0.1	25.0		5.72		TAS		36.0	0.96	m_e mb	5.5
ASSE	74.72		P	03:07:05.379	0.4	25.0		5.72		TAS		11.7	0.91	m_e mb	4.9
BFO	78.80		P	03:07:28.415	-0.3	25.0		5.72		TAS		24.0	0.78	m_e mb	5.3
BRG	74.95		P	03:07:06.625	0.0	25.0		5.72		TAS		10.0	0.76	m_e mb	4.9
BSEG	73.16		P	03:06:56.571	0.1	25.0		5.72		TAS		15.8	0.86	m_e mb	5.2
BUG	76.20		P	03:07:13.799	-0.3	25.0		5.72		TAS		24.4	0.67	m_e mb	5.5
CLL	74.83		P	03:07:05.809	0.2	25.0		5.72		TAS		43.3	0.87	m_e mb	5.5
CLZ	75.05		P	03:07:07.845	0.1	25.0		5.72		TAS		24.2	0.75	m_e mb	5.3
FLT1	74.38		P	03:07:03.076	-0.1	25.0		5.72		TAS		18.3	0.79	m_e mb	5.2
FUR	78.15		P	03:07:25.286		25.0		5.72		TAS		45.4	0.80	m_e mb	5.7
GEC2	76.84		P	03:07:17.704	-0.4	25.0		5.72		TAS		13.4	0.74	m_e mb	5.2
GOR1	73.77		P	03:07:00.131	0.1	25.0		5.72		TAS		28.8	1.31	m_e mb	5.1
GRA1	76.78		P	03:07:17.832	0.1	25.0		5.72		TAS		65.2	0.64	m_e mb	5.9
GRA1	76.78		pP	03:08:01.918						T__				m_e	
GTTG	75.43		P	03:07:09.684	-0.1	25.0		5.72		TAS		13.5	0.72	m_e mb	5.2
IBBN	75.28		P	03:07:08.702	-0.5	25.0		5.72		TAS		35.0	0.68	m_e mb	5.5
KAST	76.13		P	03:07:13.730	-0.2	25.0		5.72		TAS		28.3	0.81	m_e mb	5.4
MOX	75.81		P	03:07:11.794	0.1	25.0		5.72		TAS		18.6	0.70	m_e mb	5.3
NEUB	75.27		P	03:07:08.456	-0.2	25.0		5.72		TAS		21.7	0.68	m_e mb	5.3
PLN	75.80		P	03:07:11.841	0.0	25.0		5.72		TAS		5.0	0.72	m_e mb	4.7
RETH	74.49		P	03:07:04.209	-0.1	25.0		5.72		TAS		18.4	0.92	m_e mb	5.1
RGN	71.84		P	03:06:49.059	0.0	25.0		5.72		TAS		40.1	0.86	m_e mb	5.6
RUE	73.57		P	03:06:58.812	0.1	25.0		5.72		TAS		30.4	0.83	m_e mb	5.4
STU	78.16		P	03:07:25.006	0.1	25.0		5.72		TAS		61.1	0.79	m_e mb	5.8
TANN	75.78		P	03:07:11.624	0.1	25.0		5.72		TAS		8.8	0.68	m_e mb	5.0
TNS	77.03		P	03:07:18.823	0.5	25.0		5.72		TAS		36.4	0.73	m_e mb	5.6
UBR	78.92		P	03:07:29.237		25.0		5.72		TAS		17.8	0.72	m_e mb	5.2
WET	76.81		P	03:07:18.021	-0.2	25.0		5.72		TAS		27.6	0.71	m_e mb	5.5
WET	76.81		pP	03:08:01.958						T__				m_e	

Event 10531004 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/31	06:59:55.26			62.6200	-148.9500				58.6	1.0		29		62.01	68.67	m i ke	BGR

10531010

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10531010
MBB	6.5		BGR	10531010
Ms	5.0		BGR	10531010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	65.48		P	07:10:32.394	0.1	350.4		6.46		TAS		797.6	2.67	m_e	MBB	6.5
AHRW	65.48		pP	07:10:48.431	0.1	350.7		6.48		TAS				m_e		
ASSE	64.35		P	07:10:24.897	-0.2	350.4		6.46		TAS		97.1	1.22	m_e	MBB	6.4
ASSE	64.35		pP	07:10:40.853	-0.2	350.7		6.48		TAS				m_e		
BFO	67.81		P	07:10:47.188	-0.2	350.4		6.46		TAS		62.0	1.35	m_e	MBB	6.4
BFO	67.81		pP	07:11:03.102	-0.4	350.7		6.48		TAS				m_e		
BRG	65.92		P	07:10:35.161	-0.0	350.4		6.46		TAS		51.0	0.84	m_e	MBB	6.4
BRG	65.92		pP	07:10:51.002	-0.1	350.7		6.48		TAS				m_e		
BSEG	62.53		P	07:10:13.241	-0.1	350.4		6.46		TAS		52.2	0.88	m_e	MBB	6.4
BSEG	62.53		pP	07:10:29.077	-0.2	350.7		6.48		TAS				m_e		
BUG	64.62		P	07:10:26.463	-0.3	350.4		6.46		TAS		58.4	0.85	m_e	MBB	6.5
BUG	64.62		pP	07:10:42.625	-0.2	350.7		6.48		TAS				m_e		
CLL	65.40		P	07:10:31.578	-0.3	350.4		6.46		TAS		47.3	0.82	m_e	MBB	6.3
CLL	65.40		pP	07:10:47.513	-0.2	350.7		6.48		TAS				m_e		
CLZ	64.60		P	07:10:27.113	0.4	350.4		6.46		TAS		116.6	0.90	m_e	MBB	6.5
CLZ	64.60		pP	07:10:43.093	0.4	350.7		6.48		TAS				m_e		
FLT1	64.21		P	07:10:23.569	-0.7	350.4		6.46		TAS		39.0	0.81	m_e	MBB	6.3
FLT1	64.21		pP	07:10:39.480	-0.7	350.7		6.48		TAS				m_e		
FUR	68.33		P	07:10:50.681	-0.2	350.4		6.46		TAS		174.3	0.94	m_e	MBB	6.6
FUR	68.33		pP	07:11:06.671	-0.1	350.7		6.48		TAS				m_e		
GEC2	67.91		P	07:10:48.177	0.1	350.4		6.46		TAS		40.4	0.78	m_e	MBB	6.4
GEC2	67.91		pP	07:11:04.159	0.2	350.7		6.48		TAS				m_e		
GOR1	63.57		P	07:10:20.098	0.0	350.4		6.46		TAS		63.4	1.25	m_e	MBB	6.6
GOR1	63.57		pP	07:10:36.030	0.1	350.7		6.48		TAS				m_e		
GRA1	66.81		P	07:10:41.096	0.0	350.4		6.46		TAS		54.8	0.86	m_e	mb	5.8
GRA1	66.81		pP	07:10:57.209	0.2	350.7		6.48		TAS				m_e		
GRA1	66.81		L	07:41:09.104						T__		895.8	21.90	a_e	Ms	4.9
GTTG	64.85		P	07:10:28.672	0.3	350.4		6.46		TAS		204.7	0.96	m_e	MBB	6.6
GTTG	64.85		pP	07:10:44.598	0.3	350.7		6.48		TAS				m_e		
HLG	62.01		P	07:10:09.938	-0.0	350.4		6.46		TAS		195.8	0.95	m_e	MBB	6.7
HLG	62.01		pP	07:10:25.861	-0.0	350.7		6.48		TAS				m_e		
IBBN	63.84		P	07:10:21.898	0.1	350.4		6.46		TAS		1419.8	2.48	m_e	MBB	6.7
IBBN	63.84		pP	07:10:37.825	0.1	350.7		6.48		TAS				m_e		
KAST	65.00		P	07:10:29.345	0.0	350.4		6.46		TAS		41.1	1.17	m_e	MBB	6.3
KAST	65.00		pP	07:10:45.293	0.0	350.7		6.48		TAS				m_e		
MOX	65.92		P	07:10:35.297	0.1	350.4		6.46		TAS		143.8	1.00	m_e	MBB	6.5
MOX	65.92		pP	07:10:51.185	0.0	350.7		6.48		TAS				m_e		
MOX	65.92		L	07:38:48.858						T__		1262.2	21.70	a_e	Ms	5.1
NEUB	65.39		P	07:10:31.773	-0.1	350.4		6.46		TAS		111.1	0.92	m_e	MBB	6.6
NEUB	65.39		pP	07:10:47.635	-0.1	350.7		6.48		TAS				m_e		
PLN	66.13		P	07:10:36.646	0.0	350.4		6.46		TAS		22.6	0.80	m_e	MBB	6.0

PLN	66.13	pP	07:10:52.457	-0.1	350.7	6.48	TAS							m_e	
RETH	63.61	P	07:10:20.276	-0.0	350.4	6.46	TAS	40.3	1.13	m_e	MBB	6.4			
RETH	63.61	pP	07:10:36.203	-0.0	350.7	6.48	TAS							m_e	
RGN	62.23	P	07:10:11.472	0.2	350.4	6.46	TAS	129.5	1.01	m_e	MBB	6.6			
RGN	62.23	pP	07:10:27.201	0.1	350.7	6.48	TAS							m_e	
RUE	64.32	P	07:10:24.899	0.1	350.4	6.46	TAS	140.5	0.88	m_e	MBB	6.6			
RUE	64.32	pP	07:10:40.865	0.2	350.7	6.48	TAS							m_e	
STU	67.48	P	07:10:45.235	-0.1	350.4	6.46	TAS	87.0	1.05	m_e	MBB	6.8			
STU	67.48	pP	07:11:01.140	-0.2	350.7	6.48	TAS							m_e	
TANN	66.23	P	07:10:37.382	0.1	350.4	6.46	TAS	61.5	1.11	m_e	MBB	6.4			
TANN	66.23	pP	07:10:53.196	0.0	350.7	6.48	TAS							m_e	
TNS	65.96	P	07:10:35.578	0.0	350.4	6.46	TAS	38.9	0.93	m_e	MBB	6.4			
TNS	65.96	pP	07:10:51.549	0.0	350.7	6.48	TAS							m_e	
UBR	68.67	P	07:10:52.921	-0.1	350.4	6.46	TAS	61.1	0.90	m_e	MBB	6.5			
UBR	68.67	pP	07:11:08.920	-0.1	350.7	6.48	TAS							m_e	
WET	67.53	P	07:10:45.938	0.3	350.4	6.46	TAS	56.2	0.96	m_e	MBB	6.5			
WET	67.53	pP	07:11:01.913	0.3	350.7	6.48	TAS							m_e	
WLF	66.21	P	07:10:37.452	0.5	350.4	6.46	TAS	71.2	1.02	m_e	MBB	6.5			
WLF	66.21	pP	07:10:53.506	0.5	350.7	6.48	TAS							m_e	

Event 10531005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/05/31	22:04:45.55			33.3150	142.6280				18.5			26		83.52	88.93	m i ke	BGR
OrigID 10531011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10531011
MBB	5.8		BGR	10531011
Ms	4.8		BGR	10531011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.63		P	22:17:32.105	0.1	38.9		4.90		TAS		99.5	2.08	m_e	MBB 5.8
AHRW	87.63		pP	22:17:37.494	0.1					T__				m_e	
ASSE	85.01		P	22:17:19.202	0.2	38.9		4.90		TAS		44.1	1.55	m_e	MBB 5.9
BFO	88.93		P	22:17:37.954		38.9		4.90		TAS		7.1	0.87	a_e	MBB 5.6
BRG	84.67		P	22:17:17.604	-0.0	38.9		4.90		TAS		14.7	0.79	m_e	MBB 5.8
BSEG	83.72		P	22:17:12.862	-0.1	38.9		4.90		TAS		120.7	1.95	m_e	MBB 5.8
BUG	86.83		P	22:17:27.957	0.0	38.9		4.90		TAS		100.8	1.76	m_e	MBB 5.7
CLL	84.72		P	22:17:17.575	-0.0	38.9		4.90		TAS		36.2	0.98	m_e	MBB 5.9
CLZ	85.35		P	22:17:21.309	-0.2	38.9		4.90		TAS		123.7	1.71	m_e	MBB 5.9
FLT1	84.63		P	22:17:16.971	0.4	38.9		4.90		TAS		95.5	1.66	m_e	MBB 5.9
FUR	87.86		P	22:17:33.062		38.9		4.90		TAS		10.0	0.75	m_e	MBB 6.0
GEC2	86.31		P	22:17:25.585	-0.5	38.9		4.90		TAS		49.5	2.13	m_e	MBB 5.4
GOR1	84.09		P	22:17:14.966	-0.1	38.9		4.90		TAS		97.8	1.53	m_e	MBB 6.1
GRA1	86.69		P	22:17:27.994	-0.0	38.9		4.90		TAS		118.2	1.72	m_e	mb 5.7

GRA1	86.69	L	23:05:18.238				T__	335.0	18.40	a_e	Ms	4.8
GTTG	85.74	P	22:17:23.029	-0.3	38.9	4.90	TAS	162.3	2.03	m_e	MBB	5.8
IBBN	85.95	P	22:17:23.865	-0.0	38.9	4.90	TAS	153.7	1.66	m_e	MBB	5.9
KAST	86.60	P	22:17:27.083	0.0	38.9	4.90	TAS	17.1	0.91	m_e	MBB	5.6
MOX	85.79	P	22:17:23.121	-0.0	38.9	4.90	TAS	43.7	1.53	m_e	MBB	5.5
NEUB	85.30	P	22:17:20.701	0.0	38.9	4.90	TAS	118.8	1.55	m_e	MBB	6.0
PLN	85.70	P	22:17:22.604	0.1	38.9	4.90	TAS	17.9	1.60	a_e	MBB	5.2
RETH	85.02	P	22:17:19.248	-0.0	38.9	4.90	TAS	74.2	1.58	m_e	MBB	6.0
RUE	83.52	P	22:17:11.839	-0.4	38.9	4.90	TAS	64.7	1.32	m_e	MBB	6.0
STU	88.23	P	22:17:34.942	-0.2	38.9	4.90	TAS	263.4	2.24	m_e	MBB	6.2
TANN	85.63	P	22:17:22.358	0.4	38.9	4.90	TAS	31.7	1.55	m_e	MBB	5.5
TNS	87.37	P	22:17:30.905	0.5	38.9	4.90	TAS	71.4	2.10	m_e	MBB	5.5
WET	86.43	P	22:17:26.520	-0.1	38.9	4.90	TAS	47.6	1.81	m_e	MBB	5.5
WLF	88.69	P	22:17:37.678	0.3	38.9	4.90	TAS	73.0	1.66	m_e	MBB	5.8