

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

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

June 2022

UPDATED 17.August 2023

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

Event 20601001 Bay of Bengal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/01	16:43:16.01			16.5250	93.4210				33.0			24		70.74	75.83	m i ke	BGR
OrigID 20601007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20601007
Ms	4.7		BGR	20601007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.11		P	16:54:54.523	0.1	84.9		5.96		TAS		17.1	1.13	m_e mb	5.0
ASSE	72.69		P	16:54:39.669	-0.0	84.9		5.96		TAS		11.7	0.92	m_e mb	5.0
BFO	74.61		P	16:54:50.748		84.9		5.96		TAS		11.9	1.47	m_e mb	4.7
BRG	70.74		P	16:54:28.326	-0.3	84.9		5.96		TAS		12.5	0.82	m_e mb	5.1
BSEG	72.76		P	16:54:40.477	-0.1	84.9		5.96		TAS		19.0	0.96	m_e mb	5.2
BUG	74.87		P	16:54:52.828	-0.1	84.9		5.96		TAS		15.6	0.93	m_e mb	5.0
CLL	71.31		P	16:54:31.123	0.1	84.9		5.96		TAS		9.0	1.01	m_e mb	4.8
CLZ	72.90		P	16:54:40.971	-0.5	84.9		5.96		TAS		15.6	0.98	m_e mb	5.1
FLT1	72.33		P	16:54:37.367	-0.1	84.9		5.96		TAS		6.5	0.90	m_e mb	4.8
GEC2	71.01		P	16:54:30.273		84.9		5.96		TAS		20.1	0.80	m_e mb	5.3
GOR1	72.24		P	16:54:37.243	-0.1	84.9		5.96		TAS		36.5	1.10	m_e mb	5.4
GRA1	72.56		P	16:54:39.744	-0.5	84.9		5.96		TAS		17.6	0.93	m_e mb	5.2
GRA1	72.56		L	17:32:13.795						T__		513.1	20.80	a_e Ms	4.8
GTTG	73.18		P	16:54:42.687	0.0	84.9		5.96		TAS		13.5	0.90	m_e mb	5.1
IBBN	74.46		P	16:54:50.207	-0.1	84.9		5.96		TAS		59.3	1.64	m_e mb	5.4
KAST	74.19		P	16:54:48.782	-0.1	84.9		5.96		TAS		6.6	0.94	m_e mb	4.6
MOX	72.23		P	16:54:37.084	0.1	84.9		5.96		TAS		9.0	0.99	m_e mb	4.9
MOX	72.23		L	17:31:56.343						T__		366.0	21.40	a_e Ms	4.6
NEUB	72.09		P	16:54:36.207	0.2	84.9		5.96		TAS		11.8	0.79	m_e mb	5.1
PLN	71.90		P	16:54:34.883	0.3	84.9		5.96		TAS		3.1	0.90	m_e mb	4.4

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RUE	70.77	P	16:54:28.257	-0.2	84.9	5.96	TAS	27.5	0.86	m_e	mb	5.4
TANN	71.71	P	16:54:34.103	0.6	84.9	5.96	TAS	10.6	1.06	m_e	mb	4.9
TNS	74.28	P	16:54:49.547	0.2	84.9	5.96	TAS	11.8	1.00	m_e	mb	4.9
UBR	73.50	P	16:54:44.317		84.9	5.96	TAS	14.4	1.10	m_e	mb	4.9
WET	71.53	P	16:54:33.190	-0.3	84.9	5.96	TAS	13.4	1.03	m_e	mb	5.0
WLF	75.83	P	16:54:58.956	0.4	84.9	5.96	TAS	31.2	1.25	m_e	mb	5.3

Event 20602001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/02	21:41:58.21			55.9960	-158.0830				33.0			20		69.89	76.09	m i ke	BGR
OrigID 20602007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20602007
Ms	4.2		BGR	20602007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	72.99	P		21:53:23.712	0.1	353.8		5.85		TAS		9.9	0.90	m_e	mb	4.9
BFO	75.29	P		21:53:36.951		353.8		5.85		TAS		10.2	1.03	m_e	mb	4.8
BRG	73.16	P		21:53:24.777	0.4	353.8		5.85		TAS		15.4	1.02	m_e	mb	5.1
BSEG	69.89	P		21:53:05.521	-0.0	353.8		5.85		TAS		24.9	1.10	m_e	mb	5.2
BUG	72.12	P		21:53:18.252	0.0	353.8		5.85		TAS		29.9	1.04	m_e	mb	5.4
CLL	72.68	P		21:53:21.530	-0.0	353.8		5.85		TAS		10.0	0.83	m_e	mb	5.0
CLZ	71.98	P		21:53:18.149	0.0	353.8		5.85		TAS		32.2	1.27	m_e	mb	5.3
GEC2	75.17	P		21:53:36.624		353.8		5.85		TAS		6.7	0.81	m_e	mb	4.7
GRA1	74.18	L		22:30:14.302						T__		101.3	20.70	a_e	Ms	4.1
GTTG	72.24	P		21:53:19.657	-0.1	353.8		5.85		TAS		41.1	1.27	m_e	mb	5.4
IBBN	71.30	P		21:53:13.874	-0.4	353.8		5.85		TAS		25.5	1.04	m_e	mb	5.3
KAST	72.46	P		21:53:20.687	0.2	353.8		5.85		TAS		14.3	1.16	m_e	mb	5.0
MOX	73.25	P		21:53:25.245	0.1	353.8		5.85		TAS		41.3	1.31	m_e	mb	5.4
MOX	73.25	L		22:31:25.673						T__		116.4	18.40	a_e	Ms	4.2
NEUB	72.72	P		21:53:22.185	0.0	353.8		5.85		TAS		14.3	0.72	m_e	mb	5.2
PLN	73.45	P		21:53:26.463	-0.3	353.8		5.85		TAS		3.4	0.93	m_e	mb	4.4
RUE	71.56	P		21:53:15.595	-0.4	353.8		5.85		TAS		30.3	0.89	m_e	mb	5.4
TANN	73.54	P		21:53:27.194	-0.0	353.8		5.85		TAS		15.4	1.34	m_e	mb	4.9
TNS	73.43	P		21:53:26.369		353.8		5.85		TAS		13.4	0.80	m_e	mb	5.0
UBR	76.09	P		21:53:41.926		353.8		5.85		TAS		12.4	1.04	m_e	mb	5.0
WET	74.83	P		21:53:34.610		353.8		5.85		TAS		13.6	1.18	m_e	mb	4.9
WLF	73.76	P		21:53:28.593		353.8		5.85		TAS		27.4	1.23	m_e	mb	5.2

Event 20602002 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/06/02 23:26:09.98 53.3700 -171.3910 33.0 15 74.52 78.68 m i ke BGR
 20602008

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 20602008
 Ms 4.2 BGR 20602008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	78.54		P	23:38:06.432		1.6		5.63		TAS		13.5	1.17	m_e	mb 4.9
BRG	75.90		P	23:37:51.886		1.6		5.63		TAS		9.6	1.01	m_e	mb 4.9
CLL	75.50		P	23:37:49.352	-0.1	1.6		5.63		TAS		14.7	1.27	m_e	mb 5.0
CLZ	75.02		P	23:37:47.297	0.1	1.6		5.63		TAS		16.4	1.04	m_e	mb 5.0
FLT1	74.52		P	23:37:43.631	0.1	1.6		5.63		TAS		8.5	0.67	m_e	mb 4.9
FUR	78.68		P	23:38:07.572		1.6		5.63		TAS		28.8	1.30	m_e	mb 5.1
GEC2	77.94		P	23:38:03.362		1.6		5.63		TAS		11.2	1.18	m_e	mb 4.9
GRA1	77.16		P	23:37:59.440		1.6		5.63		TAS		12.9	0.79	m_e	mb 5.1
GRA1	77.16		L	00:18:47.306						T__		144.9	22.00	a_e	Ms 4.2
GTTG	75.32		P	23:37:48.938	0.4	1.6		5.63		TAS		24.2	1.12	m_e	mb 5.1
IBBN	74.56		P	23:37:44.464	-0.1	1.6		5.63		TAS		19.5	0.82	m_e	mb 5.2
KAST	75.67		P	23:37:50.492	-0.4	1.6		5.63		TAS		5.8	0.88	m_e	mb 4.7
MOX	76.19		P	23:37:53.719		1.6		5.63		TAS		8.3	0.79	m_e	mb 4.9
MOX	76.19		L	00:17:57.241						T__		135.1	22.00	a_e	Ms 4.2
TANN	76.41		P	23:37:54.941		1.6		5.63		TAS		11.1	1.32	m_e	mb 4.8
TNS	76.65		P	23:37:56.218		1.6		5.63		TAS		8.4	0.88	m_e	mb 4.9
WET	77.66		P	23:38:02.105		1.6		5.63		TAS		9.1	1.19	m_e	mb 4.8

Event 20603002 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/03 06:05:14.81 -24.0510 -179.6050 542.6 7.3 19 149.16 154.89 m i ke BGR
 20603008

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.81		PKPbc	06:24:06.443	0.1	22.2		2.19		TAS				m_e	
ASSE	150.81		PKPab	06:24:15.579	0.2	21.2		4.40		TAS				m_e	
ASSE	150.81		pPKPbc	06:26:13.766		44.8		2.47		TAS				m_e	
BFO	154.89		PKPbc	06:24:15.268		22.2		2.19		TAS				m_e	
BFO	154.89		PKPab	06:24:33.625		21.2		4.40		TAS				m_e	
BRG	151.18		PKPbc	06:24:07.289	0.1	22.2		2.19		TAS				m_e	
BRG	151.18		PKPab	06:24:17.729	-0.1	21.2		4.40		TAS				m_e	
BRG	151.18		pPKPbc	06:26:12.329		44.8		2.47		TAS				m_e	
BSEG	149.16		PKPbc	06:24:02.659	-0.0	22.2		2.19		TAS				m_e	
BSEG	149.16		PKPab	06:24:08.622	-0.1	21.2		4.40		TAS				m_e	

BUG	152.06	PKPab	06:24:21.823	-0.1	21.2	4.40	TAS	m_e
CLL	151.03	PKPbc	06:24:06.884	0.1	22.2	2.19	TAS	m_e
CLZ	151.14	PKPbc	06:24:07.436	0.0	22.2	2.19	TAS	m_e
CLZ	151.14	pPKPbc	06:26:14.595		44.8	2.47	TAS	m_e
FLT1	150.50	PKPbc	06:24:05.525	0.2	22.2	2.19	TAS	m_e
FLT1	150.50	PKPab	06:24:14.197	0.2	21.2	4.40	TAS	m_e
GEC2	153.06	PKPbc	06:24:11.404		22.2	2.19	TAS	m_e
GEC2	153.06	PKPab	06:24:25.685		21.2	4.40	TAS	m_e
GOR1	149.86	PKPbc	06:24:04.606	-0.2	22.2	2.19	TAS	m_e
GRA1	152.97	PKPab	06:24:25.522		21.2	4.40	TAS	m_e
GTTG	151.50	PKPbc	06:24:08.110	-0.1	22.2	2.19	TAS	m_e
IBBN	151.15	PKPbc	06:24:07.436	0.0	22.2	2.19	TAS	m_e
IBBN	151.15	PKPab	06:24:17.577	0.1	21.2	4.40	TAS	m_e
KAST	152.11	PKPbc	06:24:09.318	-0.1	22.2	2.19	TAS	m_e
MOX	151.99	PKPbc	06:24:08.923	-0.2	22.2	2.19	TAS	m_e
MOX	151.99	PKPab	06:24:20.805		21.2	4.40	TAS	m_e
NEUB	151.44	PKPbc	06:24:07.813	0.2	22.2	2.19	TAS	m_e
NEUB	151.44	PKPab	06:24:18.704	-0.3	21.2	4.40	TAS	m_e
PLN	152.00	PKPbc	06:24:09.163	0.3	22.2	2.19	TAS	m_e
PLN	152.00	PKPab	06:24:20.843		21.2	4.40	TAS	m_e
TANN	151.99	PKPbc	06:24:09.126	-0.2	22.2	2.19	TAS	m_e
TANN	151.99	PKPab	06:24:20.814		21.2	4.40	TAS	m_e
TNS	153.05	PKPbc	06:24:11.218	-0.0	22.2	2.19	TAS	m_e
WET	153.03	PKPbc	06:24:11.119		22.2	2.19	TAS	m_e
WET	153.03	PKPab	06:24:25.873		21.2	4.40	TAS	m_e
WLF	153.95	PKPbc	06:24:13.944	-0.1	22.2	2.19	TAS	m_e

Event 20603003 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/03	07:03:33.05			25.6910	127.3780				33.0			25		83.84	88.57	m i ke	BGR
	20603009																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20603009
Ms	6.1		BGR	20603009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.55		P	07:16:17.158	0.1	54.2		4.95		TAS		6.2	0.64	a_e mb	5.1
AHRW	87.55		PP	07:19:39.727	0.1	56.2		8.31		TAS				a_e	
ASSE	84.80		P	07:16:03.558	0.1	54.2		4.95		TAS		41.3	1.79	a_e mb	5.4
ASSE	84.80		PP	07:19:15.260	-1.4	56.2		8.31		TAS				m_e	
BFO	88.29		P	07:16:20.208	-0.5	54.2		4.95		TAS		65.4	2.32	a_e mb	5.5
BFO	88.29		PP	07:19:44.927		56.2		8.31		TAS				a_e	
BRG	83.84		P	07:15:58.508	-0.2	54.2		4.95		TAS		30.6	1.83	a_e mb	5.2
BRG	83.84		PP	07:19:09.657	1.6	56.2		8.31		TAS				m_e	

BSEG	83.90	P	07:15:59.058	0.1	54.2	4.95	TAS	6.4	0.74	a_e	mb	4.9
BSEG	83.90	PP	07:19:10.627	1.0	56.2	8.31	TAS			a_e		
BUG	86.89	P	07:16:13.558	-0.2	54.2	4.95	TAS	13.4	1.21	a_e	mb	4.9
BUG	86.89	PP	07:19:34.377	0.1	56.2	8.31	TAS			a_e		
CLL	84.09	P	07:15:59.458	-0.5	54.2	4.95	TAS	6.8	1.18	a_e	mb	4.8
CLL	84.09	PP	07:19:09.927	-0.4	56.2	8.31	TAS			a_e		
CLZ	85.11	P	07:16:05.408	0.4	54.2	4.95	TAS	49.2	1.60	a_e	mb	5.5
CLZ	85.11	PP	07:19:19.527	0.2	56.2	8.31	TAS			m_e		
FLT1	84.40	P	07:16:01.008	-0.4	54.2	4.95	TAS	9.9	1.17	a_e	mb	4.9
FLT1	84.40	PP	07:19:12.677	-0.7	56.2	8.31	TAS			a_e		
FUR	86.82	P	07:16:13.808	0.4	54.2	4.95	TAS	33.0	1.09	a_e	mb	5.4
GEC2	85.11	P	07:16:04.958	0.0	54.2	4.95	TAS	67.2	2.61	a_e	mb	5.4
GEC2	85.11	PP	07:19:17.927	-0.2	56.2	8.31	TAS			a_e		
GOR1	83.98	P	07:15:59.458	0.1	54.2	4.95	TAS	140.2	2.05	a_e	mb	5.8
GOR1	83.98	PP	07:19:09.966	-0.0	56.2	8.31	TAS			m_e		
GRA1	85.95	P	07:16:09.408	0.3	54.2	4.95	TAS	22.7	1.11	m_e	mb	5.2
GRA1	85.95	PP	07:19:25.927	0.3	56.2	8.31	TAS			a_e		
GRA1	85.95	L	07:56:53.431				T__	6720.7	20.30	a_e	Ms	6.0
GTTG	85.50	P	07:16:07.008	0.1	54.2	4.95	TAS	12.2	0.95	a_e	mb	5.0
GTTG	85.50	PP	07:19:22.527	0.1	56.2	8.31	TAS			a_e		
IBBN	86.12	P	07:16:09.808	-0.1	54.2	4.95	TAS	16.5	0.94	a_e	mb	5.1
IBBN	86.12	PP	07:19:27.927	-0.0	56.2	8.31	TAS			a_e		
KAST	86.48	P	07:16:12.008	0.3	54.2	4.95	TAS	39.1	1.77	a_e	mb	5.2
KAST	86.48	PP	07:19:30.727	0.1	56.2	8.31	TAS			a_e		
MOX	85.19	P	07:16:05.408	0.0	54.2	4.95	TAS	59.5	2.16	a_e	mb	5.4
MOX	85.19	PP	07:19:19.527	0.1	56.2	8.31	TAS			a_e		
MOX	85.19	L	07:56:30.651				T__	9678.9	19.80	a_e	Ms	6.2
NEUB	84.79	P	07:16:03.258	-0.1	54.2	4.95	TAS	7.0	0.80	a_e	mb	4.9
NEUB	84.79	PP	07:19:15.627	-0.6	56.2	8.31	TAS			a_e		
PLN	85.00	P	07:16:04.458	0.0	54.2	4.95	TAS	32.7	2.50	m_e	mb	5.1
PLN	85.00	PP	07:19:17.877	0.1	56.2	8.31	TAS			a_e		
STU	87.56	PP	07:19:39.177	-0.1	56.2	8.31	TAS			a_e		
TANN	84.88	P	07:16:03.858	0.0	54.2	4.95	TAS	55.7	2.40	a_e	mb	5.4
TANN	84.88	PP	07:19:15.948	-0.8	56.2	8.31	TAS			m_e		
TNS	87.06	P	07:16:14.958	0.3	54.2	4.95	TAS	5.7	0.77	a_e	mb	4.8
TNS	87.06	PP	07:19:35.377	0.1	56.2	8.31	TAS			a_e		
UBR	87.74	P	07:16:17.808	-0.2	54.2	4.95	TAS	41.5	1.56	a_e	mb	5.5
WET	85.38	P	07:16:06.658	0.3	54.2	4.95	TAS	59.3	2.16	a_e	mb	5.4
WET	85.38	PP	07:19:20.877	0.3	56.2	8.31	TAS			a_e		
WLF	88.57	P	07:16:22.208	0.1	54.2	4.95	TAS	5.8	0.55	a_e	mb	5.0
WLF	88.57	PP	07:19:48.127		56.2	8.31	TAS			a_e		

Event 20603008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/03	17:44:16.57			-19.7820	170.9310				33.0			23		143.81	148.18	m i ke	BGR

20603014

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	146.68		PKPbc	18:03:53.280	0.2	35.7		3.10		TAS					a_e	
ASSE	144.17		PKPbc	18:03:46.254	-0.2	35.7		3.10		TAS					m_e	
BFO	148.18		PKPbc	18:03:58.230		35.7		3.10		TAS					a_e	
BRG	144.00		PKPbc	18:03:44.980	0.5	35.7		3.10		TAS					a_e	
BUG	145.82		PKPbc	18:03:51.280	-0.9	35.7		3.10		TAS					a_e	
CLL	144.02		PKPbc	18:03:44.880	0.1	35.7		3.10		TAS					a_e	
CLZ	144.51		PKPbc	18:03:47.280	-0.6	35.7		3.10		TAS					a_e	
FLT1	143.81		PKPbc	18:03:46.130	0.1	35.7		3.10		TAS					a_e	
FUR	147.20		PKPbc	18:03:55.730		35.7		3.10		TAS					a_e	
GEC2	145.67		PKPbc	18:03:50.680		35.7		3.10		TAS					a_e	
GRA1	145.99		PKPbc	18:03:52.430	-0.3	35.7		3.10		TAS					a_e	
GTTG	144.89		PKPbc	18:03:48.580	0.0	35.7		3.10		TAS					a_e	
IBBN	144.92		PKPbc	18:03:48.480	-0.7	35.7		3.10		TAS					a_e	
KAST	145.69		PKPbc	18:03:51.180	0.1	35.7		3.10		TAS					a_e	
MOX	145.07		PKPbc	18:03:48.880	0.7	35.7		3.10		TAS					m_e	
NEUB	144.56		PKPbc	18:03:47.130	0.6	35.7		3.10		TAS					a_e	
PLN	145.00		PKPbc	18:03:48.680	-0.1	35.7		3.10		TAS					a_e	
STU	147.50		PKPbc	18:03:56.580		35.7		3.10		TAS					a_e	
TANN	144.94		PKPbc	18:03:48.530	0.1	35.7		3.10		TAS					a_e	
TNS	146.52		PKPbc	18:03:54.130	-0.3	35.7		3.10		TAS					a_e	
UBR	148.06		PKPbc	18:03:57.830		35.7		3.10		TAS					a_e	
WET	145.78		PKPbc	18:03:51.330		35.7		3.10		TAS					a_e	
WLF	147.73		PKPbc	18:03:57.930	0.2	35.7		3.10		TAS					a_e	

Event 20604004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/04	13:07:28.26			-17.6750	-174.5980				240.1	3.7		25		144.37	149.73	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	147.09		PKPdf	13:26:39.753	-0.1	16.1		1.53		TAS					m_e	
AHRW	147.09		PKPbc	13:26:42.431	0.2	10.4		2.78		TAS					m_e	
AHRW	147.09		pPKPbc	13:27:43.230	0.7	9.8		2.99		TAS					m_e	
ASSE	145.28		PKPbc	13:26:36.877	0.0	10.4		2.78		TAS					m_e	
ASSE	145.28		pPKPbc	13:27:37.180	0.0	9.8		2.99		TAS					m_e	
BFO	149.24		PKPdf	13:26:42.579		16.1		1.53		TAS					m_e	
BFO	149.24		PKPbc	13:26:47.418		10.4		2.78		TAS					m_e	
BFO	149.24		pPKPbc	13:27:48.640		9.8		2.99		TAS					m_e	

BRG	146.10	PKPdf	13:26:37.442	-0.1	16.1	1.53	TAS	m_e
BRG	146.10	PKPbc	13:26:39.481	0.5	10.4	2.78	TAS	m_e
BRG	146.10	pPKPbc	13:27:39.700	0.6	9.8	2.99	TAS	m_e
BUG	146.18	PKPdf	13:26:38.286	0.1	16.1	1.53	TAS	m_e
BUG	146.18	PKPbc	13:26:39.667	0.3	10.4	2.78	TAS	m_e
BUG	146.18	pPKPbc	13:27:39.849	0.3	9.8	2.99	TAS	m_e
CLL	145.81	PKPdf	13:26:37.114	0.0	16.1	1.53	TAS	m_e
CLL	145.81	PKPbc	13:26:38.368	0.4	10.4	2.78	TAS	m_e
CLL	145.81	pPKPbc	13:27:38.656	0.5	9.8	2.99	TAS	m_e
CLZ	145.59	PKPbc	13:26:37.766	0.2	10.4	2.78	TAS	m_e
CLZ	145.59	pPKPbc	13:27:38.058	0.1	9.8	2.99	TAS	m_e
FLT1	145.03	PKPbc	13:26:35.828	0.0	10.4	2.78	TAS	m_e
FLT1	145.03	pPKPbc	13:27:35.857	-0.1	9.8	2.99	TAS	m_e
FUR	149.12	PKPdf	13:26:42.090		16.1	1.53	TAS	m_e
FUR	149.12	PKPbc	13:26:47.314		10.4	2.78	TAS	m_e
FUR	149.12	pPKPbc	13:27:48.193		9.8	2.99	TAS	m_e
GEC2	148.10	PKPdf	13:26:40.613		16.1	1.53	TAS	m_e
GEC2	148.10	PKPbc	13:26:44.911	-0.5	10.4	2.78	TAS	m_e
GEC2	148.10	pPKPbc	13:27:45.805		9.8	2.99	TAS	m_e
GOR1	144.37	PKPbc	13:26:33.602	-0.3	10.4	2.78	TAS	m_e
GOR1	144.37	pPKPbc	13:27:33.873	0.0	9.8	2.99	TAS	m_e
GRA1	147.63	PKPdf	13:26:40.047		16.1	1.53	TAS	m_e
GRA1	147.63	PKPbc	13:26:43.585	-0.6	10.4	2.78	TAS	m_e
GRA1	147.63	pPKPbc	13:27:44.826	-0.5	9.8	2.99	TAS	m_e
GTTG	145.92	PKPbc	13:26:38.729	0.4	10.4	2.78	TAS	m_e
GTTG	145.92	pPKPbc	13:27:39.034	-0.0	9.8	2.99	TAS	m_e
IBBN	145.30	PKPbc	13:26:37.105	0.1	10.4	2.78	TAS	m_e
IBBN	145.30	pPKPbc	13:27:37.108	-0.2	9.8	2.99	TAS	m_e
KAST	146.37	PKPdf	13:26:38.210	0.2	16.1	1.53	TAS	m_e
KAST	146.37	PKPbc	13:26:40.241	0.3	10.4	2.78	TAS	m_e
KAST	146.37	pPKPbc	13:27:40.503	0.1	9.8	2.99	TAS	m_e
MOX	146.64	PKPdf	13:26:38.245	-0.1	16.1	1.53	TAS	m_e
MOX	146.64	PKPbc	13:26:41.037	0.2	10.4	2.78	TAS	m_e
MOX	146.64	pPKPbc	13:27:41.538	0.3	9.8	2.99	TAS	m_e
NEUB	146.08	PKPdf	13:26:37.848	0.2	16.1	1.53	TAS	m_e
NEUB	146.08	PKPbc	13:26:39.445	0.3	10.4	2.78	TAS	m_e
NEUB	146.08	pPKPbc	13:27:39.670	0.5	9.8	2.99	TAS	m_e
PLN	146.73	PKPdf	13:26:38.280		16.1	1.53	TAS	m_e
PLN	146.73	PKPbc	13:26:41.197	0.2	10.4	2.78	TAS	m_e
PLN	146.73	pPKPbc	13:27:41.598	0.3	9.8	2.99	TAS	m_e
RUE	144.57	PKPbc	13:26:34.210	0.0	10.4	2.78	TAS	m_e
STU	148.74	PKPdf	13:26:42.009		16.1	1.53	TAS	m_e
STU	148.74	PKPbc	13:26:46.211		10.4	2.78	TAS	m_e
STU	148.74	pPKPbc	13:27:47.657		9.8	2.99	TAS	m_e
TANN	146.76	PKPdf	13:26:38.342		16.1	1.53	TAS	m_e
TANN	146.76	PKPbc	13:26:41.505	0.0	10.4	2.78	TAS	m_e
TANN	146.76	pPKPbc	13:27:42.094	0.1	9.8	2.99	TAS	m_e
TNS	147.34	PKPdf	13:26:39.598		16.1	1.53	TAS	m_e
TNS	147.34	PKPbc	13:26:42.965	0.1	10.4	2.78	TAS	m_e

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TNS	147.34	pPKPbc	13:27:43.987	0.1	9.8	2.99	TAS	m_e
UBR	149.73	PKPdf	13:26:43.099		16.1	1.53	TAS	m_e
UBR	149.73	PKPbc	13:26:48.729		10.4	2.78	TAS	m_e
UBR	149.73	pPKPbc	13:27:49.511		9.8	2.99	TAS	m_e
WET	147.94	PKPdf	13:26:40.257		16.1	1.53	TAS	m_e
WET	147.94	PKPbc	13:26:44.332	-0.2	10.4	2.78	TAS	m_e
WET	147.94	pPKPbc	13:27:45.462	-0.9	9.8	2.99	TAS	m_e
WLF	147.99	PKPdf	13:26:41.470		16.1	1.53	TAS	m_e
WLF	147.99	PKPbc	13:26:45.036	-0.3	10.4	2.78	TAS	m_e
WLF	147.99	pPKPbc	13:27:45.871	-0.4	9.8	2.99	TAS	m_e

Event 20604005 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/04	13:17:48.00			-57.7130	148.7670				10.0				3	152.21	157.26	m i ke	USGS
20604023																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.4		BGR	20604011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	156.71		PKPdf	13:37:44.386		137.9		0.91		TAS					m_e
ASSE	155.61		PKPdf	13:37:42.304	-2.0	137.9		0.91		TAS					m_e
BFO	154.78		PKPdf	13:37:41.577	-0.5	137.9		0.91		TAS					m_e
BRG	153.21		PKPdf	13:37:40.870	-0.7	137.9		0.91		TAS					m_e
BSEG	156.65		PKPdf	13:37:44.369	0.2	137.9		0.91		TAS					m_e
BUG	157.09		PKPdf	13:37:45.300		137.9		0.91		TAS					m_e
BUG	157.09		PKPab	13:38:13.594		98.7		4.69		TAS					m_e
CLL	153.95		PKPdf	13:37:42.090	-1.0	137.9		0.91		TAS					m_e
CLZ	155.63		PKPdf	13:37:41.577	-0.8	137.9		0.91		TAS					m_e
FLT1	155.41		PKPdf	13:37:42.282	-1.3	137.9		0.91		TAS					m_e
FUR	153.10		PKPdf	13:37:40.620	-0.1	137.9		0.91		TAS					a_e
GEC2	152.21		PKPdf	13:37:38.320	-1.9	137.9		0.91		TAS					m_e
GRA1	154.02		PKPdf	13:37:41.577	-0.2	137.9		0.91		TAS					m_e
GRA1	154.02		L	15:00:46.885						T__		6685.4	21.30	a_e	Ms 6.4
GTTG	155.70		PKPdf	13:37:42.740	-0.2	137.9		0.91		TAS					m_e
IBBN	157.26		PKPdf	13:37:45.067		137.9		0.91		TAS					m_e
KAST	156.35		PKPdf	13:37:43.671	0.4	137.9		0.91		TAS					m_e
MOX	154.34		PKPdf	13:37:43.070	0.8	137.9		0.91		TAS					a_e
MOX	154.34		L	15:00:41.866						T__		6485.9	21.00	a_e	Ms 6.4
NEUB	154.54		PKPdf	13:37:43.470	0.9	137.9		0.91		TAS					a_e
PLN	153.96		PKPdf	13:37:41.112	-0.8	137.9		0.91		TAS					m_e
RUE	154.13		PKPdf	13:37:42.470	-0.2	137.9		0.91		TAS					a_e
STU	154.58		PKPdf	13:37:42.562	0.6	137.9		0.91		TAS					m_e
TANN	153.76		PKPdf	13:37:41.086	-0.7	137.9		0.91		TAS					m_e
TNS	155.80		PKPdf	13:37:43.671	-0.6	137.9		0.91		TAS					m_e

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TNS	155.80	PKPab	13:38:09.497	98.7	4.69	TAS	m_e
UBR	153.44	PKPdf	13:37:41.520	0.7 137.9	0.91	TAS	a_e
WET	152.82	PKPdf	13:37:39.820	-0.9 137.9	0.91	TAS	a_e
WET	152.82	PKPab	13:37:55.408	98.7	4.69	TAS	m_e

Event 20604006 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/04	13:58:48.08			35.9890	70.6810				206.3					44.54	44.54	m i ke	BGR
OrigID 20604012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	20604012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.54		P	14:06:56.089		94.6		7.63		TAS		5.2	1.09	m_e mb	4.4
GRA1	44.54		pP	14:07:40.382						T__				m_e	

Event 20604007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/04	20:07:33.99			-20.3450	-177.2600				480.0				24	145.88	152.00	m i ke	BGR
OrigID 20604013																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.59		PKPbc	20:26:23.097	-0.1	16.0		2.49		TAS				m_e	
BFO	151.63		PKPbc	20:26:32.547		16.0		2.49		TAS				m_e	
BRG	148.20		PKPbc	20:26:24.682	0.3	16.0		2.49		TAS				m_e	
BSEG	145.88		PKPbc	20:26:18.344	-0.2	16.0		2.49		TAS				m_e	
BUG	148.67		PKPbc	20:26:25.917	0.2	16.0		2.49		TAS				m_e	
CLL	147.98		PKPbc	20:26:24.146	0.1	16.0		2.49		TAS				m_e	
CLZ	147.92		PKPbc	20:26:24.225	0.1	16.0		2.49		TAS				m_e	
FLT1	147.31		PKPbc	20:26:22.141	0.0	16.0		2.49		TAS				m_e	
GEC2	150.16		PKPbc	20:26:29.433		16.0		2.49		TAS				m_e	
GOR1	146.66		PKPbc	20:26:20.794	-0.2	16.0		2.49		TAS				m_e	
GRA1	149.86		PKPbc	20:26:29.019	-0.7	16.0		2.49		TAS				m_e	
GTTG	148.26		PKPbc	20:26:24.817	0.2	16.0		2.49		TAS				m_e	
IBBN	147.77		PKPbc	20:26:23.596	0.3	16.0		2.49		TAS				m_e	
KAST	148.79		PKPbc	20:26:26.385	0.1	16.0		2.49		TAS				m_e	
MOX	148.88		PKPbc	20:26:26.409	0.3	16.0		2.49		TAS				m_e	
NEUB	148.32		PKPbc	20:26:25.088	0.2	16.0		2.49		TAS				m_e	

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PLN	148.93	PKPbc	20:26:26.633	0.3	16.0	2.49	TAS	m_e
RUE	146.72	PKPbc	20:26:20.669	-0.0	16.0	2.49	TAS	m_e
STU	151.08	PKPbc	20:26:31.815		16.0	2.49	TAS	m_e
TANN	148.94	PKPbc	20:26:26.733	0.1	16.0	2.49	TAS	m_e
TNS	149.75	PKPbc	20:26:28.891	-0.1	16.0	2.49	TAS	m_e
UBR	152.00	PKPbc	20:26:33.398		16.0	2.49	TAS	m_e
WET	150.06	PKPbc	20:26:29.302	-0.6	16.0	2.49	TAS	m_e
WLF	150.53	PKPbc	20:26:31.359	0.0	16.0	2.49	TAS	m_e

Event 20604008 Bering Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/04	23:38:27.45			54.0750	176.2640				117.9	2.7		38		70.70	78.46	m i ke	BGR
	20604014																

Magnitude Err Nsta Author
 mb 6.0 BGR 20604014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.23		P	23:49:55.575	0.3	9.6		5.69		TAS		260.6	1.40	a_e mb	6.2
AHRW	75.23		pP	23:50:25.194	0.1	9.1		5.65		TAS				a_e	
ARSA	77.61		P	23:50:09.455	-0.5	9.6		5.69		TAS		61.2	1.14	m_e mb	5.6
ASSE	73.36		P	23:49:44.825	0.3	9.6		5.69		TAS		540.5	1.74	a_e mb	6.3
ASSE	73.36		pP	23:50:14.494	-0.0	9.1		5.65		TAS				a_e	
BFO	77.33		P	23:50:06.975	-0.0	9.6		5.69		TAS		281.3	1.72	a_e mb	6.1
BFO	77.33		pP	23:50:36.594	-0.4	9.1		5.65		TAS				a_e	
BIOA	77.41		P	23:50:07.996	-0.4	9.6		5.69		TAS		51.1	1.19	m_e mb	5.5
BRG	74.25		P	23:49:49.725	0.1	9.6		5.69		TAS		267.5	1.80	a_e mb	6.0
BRG	74.25		pP	23:50:19.344	-0.2	9.1		5.65		TAS				a_e	
BSEG	71.60		P	23:49:34.875	-0.1	9.6		5.69		TAS		142.6	1.13	a_e mb	6.0
BSEG	71.60		pP	23:50:04.694	0.1	9.1		5.65		TAS				a_e	
BUG	74.32		P	23:49:49.925	-0.1	9.6		5.69		TAS		213.9	1.29	a_e mb	6.0
BUG	74.32		pP	23:50:19.644	-0.3	9.1		5.65		TAS				a_e	
CLL	73.93		P	23:49:47.675	-0.2	9.6		5.69		TAS		194.3	1.60	a_e mb	5.9
CLL	73.93		pP	23:50:17.344	-0.4	9.1		5.65		TAS				a_e	
CLZ	73.67		P	23:49:46.925	0.2	9.6		5.69		TAS		98.8	0.99	a_e mb	5.8
CLZ	73.67		pP	23:50:16.644	0.3	9.1		5.65		TAS				a_e	
DAVA	78.22		P	23:50:12.567		9.6		5.69		TAS		64.0	1.57	m_e mb	5.4
FETA	78.40		P	23:50:13.512		9.6		5.69		TAS		55.1	1.14	m_e mb	5.5
FLT1	73.10		P	23:49:42.875	0.5	9.6		5.69		TAS		142.3	1.26	a_e mb	5.8
FLT1	73.10		pP	23:50:12.594	-0.5	9.1		5.65		TAS				a_e	
FUR	77.22		P	23:50:06.575	0.4	9.6		5.69		TAS		406.5	1.66	a_e mb	6.3
FUR	77.22		pP	23:50:36.244	-0.1	9.1		5.65		TAS				a_e	
GEC2	76.27		P	23:50:01.475	-0.3	9.6		5.69		TAS		269.8	1.91	m_e mb	6.0
GEC2	76.27		pP	23:50:31.144	0.2	9.1		5.65		TAS				a_e	
GOR1	72.44		P	23:49:39.522	-0.1	9.6		5.69		TAS		245.1	1.46	m_e mb	6.1

GOR1	72.44	pP	23:50:09.594	0.2	9.1	5.65	TAS				a_e		
GRA1	75.71	P	23:49:58.625	0.8	9.6	5.69	TAS	651.1	1.87	a_e	mb	6.4	
GRA1	75.71	pP	23:50:28.294	0.5	9.1	5.65	TAS			a_e			
GTTG	74.00	P	23:49:48.725	-0.2	9.6	5.69	TAS	175.1	1.29	a_e	mb	5.9	
GTTG	74.00	pP	23:50:18.344	0.2	9.1	5.65	TAS			a_e			
IBBN	73.43	P	23:49:45.671	-0.4	9.6	5.69	TAS	335.5	1.24	m_e	mb	6.2	
IBBN	73.43	pP	23:50:14.944	0.1	9.1	5.65	TAS			a_e			
KAST	74.47	P	23:49:51.225	0.1	9.6	5.69	TAS	468.4	1.91	a_e	mb	6.2	
KAST	74.47	pP	23:50:20.844	0.1	9.1	5.65	TAS			a_e			
KBA	78.05	P	23:50:12.297	-0.0	9.6	5.69	TAS	373.6	1.19	m_e	mb	6.3	
LESA	77.79	P	23:50:10.157	0.7	9.6	5.69	TAS	28.5	0.93	m_e	mb	5.4	
MOTA	78.04	P	23:50:11.613	-0.1	9.6	5.69	TAS	85.9	1.22	m_e	mb	5.7	
MOX	74.73	P	23:49:52.625	0.2	9.6	5.69	TAS	289.3	1.84	a_e	mb	6.0	
MOX	74.73	pP	23:50:22.294	0.0	9.1	5.65	TAS			m_e			
NEUB	74.17	P	23:49:49.275	-0.3	9.6	5.69	TAS	197.5	1.38	a_e	mb	6.0	
NEUB	74.17	pP	23:50:18.994	-0.1	9.1	5.65	TAS			a_e			
OBKA	78.46	P	23:50:14.105		9.6	5.69	TAS	70.1	0.97	m_e	mb	5.7	
PLN	74.83	P	23:49:53.325	0.1	9.6	5.69	TAS	39.8	1.39	a_e	mb	5.3	
PLN	74.83	pP	23:50:22.894	0.1	9.1	5.65	TAS			a_e			
RETA	77.94	P	23:50:10.502	0.0	9.6	5.69	TAS	84.4	1.64	m_e	mb	5.5	
RGN	70.70	P	23:49:29.475	-0.2	9.6	5.69	TAS	508.9	1.45	a_e	mb	6.4	
RGN	70.70	pP	23:49:59.444	-0.1	9.1	5.65	TAS			a_e			
RUE	72.69	P	23:49:40.975	-0.5	9.6	5.69	TAS	121.7	1.44	a_e	mb	5.8	
RUE	72.69	pP	23:50:10.644	-0.1	9.1	5.65	TAS			a_e			
SQTA	78.15	P	23:50:12.243	0.2	9.6	5.69	TAS	149.7	1.59	m_e	mb	5.8	
STU	76.82	P	23:50:04.075	-0.5	9.6	5.69	TAS	572.6	1.68	a_e	mb	6.4	
STU	76.82	pP	23:50:33.744	-0.3	9.1	5.65	TAS			a_e			
TANN	74.87	P	23:49:53.675	0.2	9.6	5.69	TAS	320.5	1.97	a_e	mb	6.1	
TANN	74.87	pP	23:50:23.294	0.2	9.1	5.65	TAS			a_e			
TNS	75.44	P	23:49:56.901	0.3	9.6	5.69	TAS	324.9	1.68	m_e	mb	6.2	
TNS	75.44	pP	23:50:26.244	-0.0	9.1	5.65	TAS			a_e			
UBR	77.81	P	23:50:09.925	-0.0	9.6	5.69	TAS	902.6	2.95	m_e	mb	6.4	
UBR	77.81	pP	23:50:39.544	-0.2	9.1	5.65	TAS			a_e			
WET	76.07	P	23:50:00.625	0.0	9.6	5.69	TAS	202.5	1.70	a_e	mb	6.0	
WET	76.07	pP	23:50:30.244	0.4	9.1	5.65	TAS			a_e			
WLF	76.17	P	23:50:01.505	-0.5	9.6	5.69	TAS	280.1	1.66	m_e	mb	6.1	
WLF	76.17	pP	23:50:30.544	0.2	9.1	5.65	TAS			a_e			
WTTA	78.07	P	23:50:11.777	-0.2	9.6	5.69	TAS	144.6	1.33	m_e	mb	5.8	

Event 20605001 Nicobar Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/05	09:11:51.93			9.3750	91.6010				33.9	3.8		24		75.00	79.99	m i ke	BGR
20605007																	

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 20605007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.36		P	09:23:54.304		91.0		5.61		TAS		6.0	1.05	m_e mb	4.5
BFO	78.60		P	09:23:50.152	-0.3	91.0		5.61		TAS		5.6	0.99	m_e mb	4.6
BRG	75.00		P	09:23:29.875	-0.1	91.0		5.61		TAS		6.3	0.79	m_e mb	4.7
BRG	75.00		pP	09:23:39.490		91.0		5.61		TAS				m_e	
BSEG	77.35		P	09:23:42.596	0.5	91.0		5.61		TAS		12.6	0.94	m_e mb	5.0
BSEG	77.35		pP	09:23:52.543		91.0		5.61		TAS				m_e	
BUG	79.21		P	09:23:53.757		91.0		5.61		TAS		7.3	0.84	m_e mb	4.7
CLL	75.62		P	09:23:32.687	-0.7	91.0		5.61		TAS		3.8	0.92	m_e mb	4.5
CLL	75.62		pP	09:23:42.785		91.0		5.61		TAS				m_e	
CLZ	77.27		P	09:23:42.229	-0.6	91.0		5.61		TAS		8.5	0.54	m_e mb	5.1
CLZ	77.27		pP	09:23:52.025		91.0		5.61		TAS				m_e	
FUR	76.64		P	09:23:39.852	0.7	91.0		5.61		TAS		14.4	0.53	m_e mb	5.3
GEC2	75.05		P	09:23:29.889	-0.3	91.0		5.61		TAS		9.9	0.70	m_e mb	5.0
GEC2	75.05		pP	09:23:40.170		91.0		5.61		TAS				m_e	
GOR1	76.73		P	09:23:39.946	0.3	91.0		5.61		TAS		6.7	0.54	m_e mb	5.0
GRA1	76.70		P	09:23:39.766	0.2	91.0		5.61		TAS		8.2	0.76	m_e mb	4.9
GTTG	77.52		P	09:23:44.731	0.6	91.0		5.61		TAS		9.7	0.89	m_e mb	4.9
IBBN	78.88		P	09:23:51.241	-0.1	91.0		5.61		TAS		15.2	1.03	m_e mb	5.0
IBBN	78.88		pP	09:24:01.012		91.0		5.61		TAS				m_e	
KAST	78.49		P	09:23:50.104	0.0	91.0		5.61		TAS		3.5	0.86	m_e mb	4.5
KAST	78.49		pP	09:23:58.746		91.0		5.61		TAS				m_e	
MOX	76.47		P	09:23:38.689	0.5	91.0		5.61		TAS		16.6	1.68	m_e mb	4.9
NEUB	76.38		P	09:23:38.070	0.3	91.0		5.61		TAS		9.3	0.56	m_e mb	5.1
PLN	76.12		P	09:23:36.865	0.6	91.0		5.61		TAS		1.3	0.77	m_e mb	4.1
RUE	75.20		P	09:23:31.481	0.5	91.0		5.61		TAS		21.8	0.64	m_e mb	5.3
STU	78.02		P	09:23:47.306	-0.1	91.0		5.61		TAS		14.9	0.77	m_e mb	5.2
STU	78.02		pP	09:23:56.280		91.0		5.61		TAS				m_e	
TANN	75.92		P	09:23:34.789	-0.3	91.0		5.61		TAS		12.8	1.50	m_e mb	4.8
TNS	78.49		P	09:23:50.221	-0.6	91.0		5.61		TAS		4.4	0.66	m_e mb	4.7
UBR	77.42		P	09:23:42.963	0.3	91.0		5.61		TAS		8.9	0.64	m_e mb	5.0
WET	75.60		P	09:23:32.583	-0.8	91.0		5.61		TAS		5.1	0.73	m_e mb	4.7
WLF	79.99		P	09:23:58.039		91.0		5.61		TAS		8.1	1.03	m_e mb	4.6

Event 20605002 Ethiopia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/05	12:38:09.60	5.47	0.83	15.0900	39.8730	161.2	140.1	163	10.0				20 353	37.81	45.13	m i ke	NEIC
20605041																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	20605008
Ms	3.3		BGR	20605008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	44.17		P	12:46:18.091		135.9		8.37		TAS		35.8	1.40	m_e	mb 4.9
ARSA	37.92		P	12:45:27.252	-0.8	135.9		8.37		TAS				m_e	
BRG	41.37		P	12:45:55.620	-0.5	135.9		8.37		TAS		18.8	1.51	m_e	mb 4.6
BSEG	45.13		P	12:46:26.125		135.9		8.37		TAS		16.2	1.23	m_e	mb 4.8
CLL	42.08		P	12:45:59.975		135.9		8.37		TAS		8.2	1.09	m_e	mb 4.4
DAVA	40.63		P	12:45:49.590	-1.1	135.9		8.37		TAS				m_e	
FETA	40.02		P	12:45:46.101	-0.1	135.9		8.37		TAS				m_e	
FLT1	43.57		P	12:46:10.424		135.9		8.37		TAS		9.2	1.35	m_e	mb 4.3
GEC2	39.93		P	12:45:43.607	0.8	135.9		8.37		TAS		23.1	1.47	m_e	mb 4.6
GOR1	44.03		P	12:46:17.284		135.9		8.37		TAS		22.7	1.40	m_e	mb 4.7
GRA1	41.65		P	12:45:58.167	0.1	135.9		8.37		TAS		22.4	1.48	m_e	mb 4.7
GRA1	41.65		L	13:03:52.330						T__		51.7	20.70	a_e	Ms 3.4
MOA	38.94		P	12:45:35.861	0.6	135.9		8.37		TAS				m_e	
MOX	42.17		P	12:46:01.545		135.9		8.37		TAS		14.3	1.40	m_e	mb 4.5
MOX	42.17		L	13:06:20.986						T__		39.7	21.30	a_e	Ms 3.3
OBKA	37.81		P	12:45:27.711	0.5	135.9		8.37		TAS				m_e	
PLN	41.82		P	12:45:58.904	1.5	135.9		8.37		TAS		9.1	1.50	m_e	mb 4.3
TANN	41.64		P	12:45:57.331	1.3	135.9		8.37		TAS		9.3	1.18	m_e	mb 4.4
TNS	43.31		P	12:46:09.925		135.9		8.37		TAS		28.8	1.64	m_e	mb 4.7
WET	40.51		P	12:45:48.253	-0.6	135.9		8.37		TAS		6.7	1.22	m_e	mb 4.2
WLF	44.06		P	12:46:16.479		135.9		8.37		TAS		6.8	0.94	m_e	mb 4.4
WTTA	39.74		P	12:45:43.264	-0.4	135.9		8.37		TAS				m_e	

Event 20606001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/06	03:47:57.32			-18.2700	-174.9900				33.0			24		144.91	150.28	m i ke	BGR
20606007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	20606007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.67		PKPbc	04:07:38.811	0.5	10.3		3.08		TAS				m_e	
ASSE	145.83		PKPbc	04:07:32.285	-0.2	10.3		3.08		TAS				m_e	
BFO	149.80		PKPbc	04:07:43.897	-0.9	10.3		3.08		TAS				m_e	
BRG	146.62		PKPbc	04:07:35.279	0.2	10.3		3.08		TAS				m_e	
BUG	146.76		PKPbc	04:07:35.202	-0.4	10.3		3.08		TAS				m_e	
CLL	146.34		PKPbc	04:07:34.009	-0.1	10.3		3.08		TAS				m_e	
CLZ	146.14		PKPbc	04:07:33.646	0.2	10.3		3.08		TAS				m_e	
FLT1	145.57		PKPbc	04:07:31.105	-0.6	10.3		3.08		TAS				m_e	
FUR	149.66		PKPbc	04:07:43.443	-0.9	10.3		3.08		TAS				m_e	
GEC2	148.61		PKPbc	04:07:41.548	0.2	10.3		3.08		TAS				m_e	
GOR1	144.91		PKPbc	04:07:28.958	-0.7	10.3		3.08		TAS				m_e	
GRA1	148.17		PKPbc	04:07:40.087	0.4	10.3		3.08		TAS				m_e	

GRA1	148.17	L	05:17:12.918							T__	86.7	21.60	a_e	Ms	4.5
GTTG	146.47	PKPbc	04:07:34.734	0.2	10.3	3.08				TAS			m_e		
IBBN	145.88	PKPbc	04:07:32.409	-0.4	10.3	3.08				TAS			m_e		
KAST	146.94	PKPbc	04:07:36.004	0.0	10.3	3.08				TAS			m_e		
MOX	147.18	PKPbc	04:07:36.821	0.1	10.3	3.08				TAS			m_e		
MOX	147.18	L	05:15:22.563							T__	87.9	19.80	a_e	Ms	4.5
NEUB	146.62	PKPbc	04:07:35.089	0.1	10.3	3.08				TAS			m_e		
PLN	147.27	PKPbc	04:07:37.454	0.5	10.3	3.08				TAS			m_e		
STU	149.29	PKPbc	04:07:42.860	-0.3	10.3	3.08				TAS			m_e		
TANN	147.29	PKPbc	04:07:37.736	0.7	10.3	3.08				TAS			m_e		
TNS	147.91	PKPbc	04:07:40.087	1.1	10.3	3.08				TAS			m_e		
UBR	150.28	PKPbc	04:07:45.969	-0.2	10.3	3.08				TAS			m_e		
WET	148.46	PKPbc	04:07:40.713	-0.0	10.3	3.08				TAS			m_e		
WLF	148.57	PKPbc	04:07:41.889	0.6	10.3	3.08				TAS			m_e		

Event 20606002 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/06	04:16:27.24	0.66	1.13	41.6620	19.2890	23.3	10.0	45	10.0			20	337	5.92	10.43	m i ke	BGR
20606008																	

Magnitude Err Nsta Author OrigID
 ML 4.2 BGR 20606008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	6.20		Pn	04:17:57.671	-0.5					T__				m_e	ML 3.8
BFO	10.22		Pn	04:18:50.807	-1.6					T__				m_e	
BIOA	7.24		Pn	04:18:12.300	0.1					T__				m_e	ML 4.2
DAVA	8.76		Sn	04:20:07.233	-0.2					T__				m_e	
DAVA	8.76		Pn	04:18:34.776	2.0					T__				m_e	ML 4.4
EMING	9.68		Pn	04:18:44.352	-0.9					T__				m_e	
FETA	8.14		Sn	04:19:54.514	1.8					T__				m_e	
FETA	8.14		Pn	04:18:24.448	0.1					T__				m_e	ML 4.0
GEC2	8.19		Sn	04:19:53.197	-0.7					T__				m_e	
GEC2	8.19		Pn	04:18:24.714	-0.3					T__				m_e	ML 3.9
LESA	7.44		Sn	04:19:34.373	-1.8					T__				m_e	
LESA	7.44		Pn	04:18:14.613	-0.3					T__				m_e	ML 4.1
MOA	7.14		Sn	04:19:31.173	2.2					T__				m_e	
MOA	7.14		Pn	04:18:11.717	0.9					T__				m_e	ML 4.1
MOTA	8.15		Sn	04:19:53.579	0.6					T__				m_e	
MOTA	8.15		Pn	04:18:24.887	0.4					T__				m_e	ML 4.4
MOX	10.43		Pn	04:18:54.567	-0.7					T__				m_e	
OBKA	5.92		Pn	04:17:55.300	0.9					T__				m_e	
PART	8.24		Sn	04:19:54.650	-0.6					T__				m_e	
PART	8.24		Pn	04:18:26.430	0.7					T__				m_e	ML 4.3
RETA	8.42		Sn	04:19:59.836	0.5					T__				m_e	ML 4.2

SQTA	8.01	Sn	04:19:50.393	0.7	T__	m_e		
SQTA	8.01	Pn	04:18:23.346	0.7	T__	m_e ML	4.3	
UBR	8.88	Sn	04:20:06.817	-3.5	T__	m_e		
UBR	8.88	Pn	04:18:33.809	-0.5	T__	m_e ML	4.4	
WALHA	9.45	Pn	04:18:41.772	-0.3	T__	m_e		
WET	8.73	Pn	04:18:31.257	-1.0	T__	m_e		
WTTA	7.82	Sn	04:19:45.982	0.7	T__	m_e		
WTTA	7.82	Pn	04:18:19.857	-0.2	T__	m_e ML	4.4	
ZUGS	8.26	Sn	04:19:55.950	0.3	T__	m_e		
ZUGS	8.26	Pn	04:18:26.568	0.6	T__	m_e ML	4.5	

Event 20606003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/06	14:55:56.23			-19.0470	-174.0350				140.0			24		144.93	151.15	m i ke	BGR
20606009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.69		PKPbc	15:15:20.852	0.1	9.7		2.64		TAS				m_e	
BFO	150.63		PKPbc	15:15:30.830	-0.4	9.7		2.64		TAS				m_e	
BRG	147.53		PKPbc	15:15:22.946	-0.1	9.7		2.64		TAS				m_e	
BSEG	144.93		PKPbc	15:15:15.693	-0.4	9.7		2.64		TAS				m_e	
BUG	147.57		PKPbc	15:15:23.240	-0.1	9.7		2.64		TAS				m_e	
CLL	147.24		PKPbc	15:15:22.237	0.1	9.7		2.64		TAS				m_e	
CLZ	147.00		PKPbc	15:15:21.978	0.4	9.7		2.64		TAS				m_e	
FLT1	146.44		PKPbc	15:15:19.752	-0.3	9.7		2.64		TAS				m_e	
FUR	150.54		PKPbc	15:15:30.822	-0.1	9.7		2.64		TAS				m_e	
GEC2	149.54		PKPbc	15:15:27.965	-0.4	9.7		2.64		TAS				m_e	
GOR1	145.78		PKPbc	15:15:18.555	0.2	9.7		2.64		TAS				m_e	
GRA1	149.05		PKPbc	15:15:27.289	0.3	9.7		2.64		TAS				m_e	
GTTG	147.32		PKPbc	15:15:22.646	0.2	9.7		2.64		TAS				m_e	
IBBN	146.69		PKPbc	15:15:20.550	-0.4	9.7		2.64		TAS				m_e	
KAST	147.76		PKPbc	15:15:23.723	0.0	9.7		2.64		TAS				m_e	
MOX	148.06		PKPbc	15:15:24.568	0.2	9.7		2.64		TAS				m_e	
NEUB	147.50		PKPbc	15:15:23.112	0.2	9.7		2.64		TAS				m_e	
PLN	148.16		PKPbc	15:15:24.778	0.2	9.7		2.64		TAS				m_e	
RUE	146.00		PKPbc	15:15:18.465	-0.4	9.7		2.64		TAS				m_e	
TANN	148.19		PKPbc	15:15:24.825	0.1	9.7		2.64		TAS				m_e	
TNS	148.74		PKPbc	15:15:26.375	0.1	9.7		2.64		TAS				m_e	
UBR	151.15		PKPbc	15:15:32.220	-0.3	9.7		2.64		TAS				m_e	
WET	149.37		PKPbc	15:15:28.087	0.2	9.7		2.64		TAS				m_e	
WLF	149.36		PKPbc	15:15:28.422	0.2	9.7		2.64		TAS				m_e	

Event 20606004 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/06	18:42:11.00			-29.4820	-176.5030				10.0					158.91	158.91	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.91		PKP	19:02:46.010		19.1		3.96		TAS				m_e	

Event 20606005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/06	21:00:05.61			44.0400	-28.1700				10.0				26	23.98	28.96	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20606011
Ms	4.2		BGR	20606011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	24.59		P	21:05:23.534	-0.3	270.9		8.97		TAS		25.7	0.99	a_e mb	4.9
ASSE	26.89		P	21:05:44.634	0.3	270.9		8.97		TAS		50.7	1.12	a_e mb	5.2
BFO	25.45		P	21:05:30.934	0.4	270.9		8.97		TAS		33.9	1.12	a_e mb	5.0
BRG	28.94		P	21:06:02.384	-0.6	270.9		8.97		TAS		19.2	1.34	a_e mb	4.8
BSEG	26.79		P	21:05:43.334	1.0	270.9		8.97		TAS		66.6	1.02	a_e mb	5.3
BUG	24.75		P	21:05:24.484	-0.8	270.9		8.97		TAS		27.5	0.89	a_e mb	5.0
CLL	28.33		P	21:05:56.884	-0.6	270.9		8.97		TAS		15.6	0.99	m_e mb	4.8
CLZ	26.70		P	21:05:42.784	0.1	270.9		8.97		TAS		48.1	1.12	a_e mb	5.1
FLT1	27.24		P	21:05:46.934	-0.5	270.9		8.97		TAS		24.7	1.11	a_e mb	4.8
FUR	27.43		P	21:05:49.184	1.0	270.9		8.97		TAS		43.2	1.04	a_e mb	5.1
GEC2	28.96		P	21:06:02.484	0.0	270.9		8.97		TAS		45.6	1.30	a_e mb	5.2
GOR1	27.31		P	21:05:48.034	0.3	270.9		8.97		TAS		49.9	1.42	a_e mb	5.0
GRA1	27.27		P	21:05:47.584	-0.1	270.9		8.97		TAS		36.2	1.15	a_e mb	5.0
GRA1	27.27		L	21:15:27.092						T__		730.1	20.50	a_e Ms	4.2
GTTG	26.43		P	21:05:40.234	-0.1	270.9		8.97		TAS		691.9	3.61	a_e mb	5.7
IBBN	25.11		P	21:05:27.874	-0.4	270.9		8.97		TAS		50.2	1.12	m_e mb	5.2
KAST	25.45		P	21:05:31.034	-0.6	270.9		8.97		TAS		33.5	1.27	a_e mb	4.9
MOX	27.48		P	21:05:49.484	-0.3	270.9		8.97		TAS		12.7	1.11	a_e mb	4.6
MOX	27.48		L	21:15:23.257						T__		562.3	18.10	a_e Ms	4.2
NEUB	27.56		P	21:05:50.034	-0.6	270.9		8.97		TAS		19.8	1.07	a_e mb	4.9
PLN	27.83		P	21:05:52.384	-0.6	270.9		8.97		TAS		7.0	0.99	a_e mb	4.5
RGN	28.60		P	21:05:59.534	1.5	270.9		8.97		TAS		33.6	0.83	a_e mb	5.2

RUE	28.80	P	21:06:01.134	-0.2	270.9	8.97	TAS	21.6	0.64	a_e	mb	5.1
STU	26.00	P	21:05:35.834	0.1	270.9	8.97	TAS	94.4	1.10	a_e	mb	5.3
TANN	28.03	P	21:05:54.084	-0.6	270.9	8.97	TAS	10.7	0.95	a_e	mb	4.7
UBR	26.70	P	21:05:42.634	1.4	270.9	8.97	TAS	28.4	1.15	a_e	mb	4.9
WET	28.39	P	21:05:57.284	-0.2	270.9	8.97	TAS	21.0	1.04	a_e	mb	4.9
WLF	23.98	P	21:05:17.983	0.2	270.9	8.97	TAS	74.5	1.12	m_e	mb	5.1

Event 20606006 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/06	21:23:44.20	8.06	0.59	43.5640	-29.9130	181.2	89.0	55	10.0			18	349	25.32	30.30	m i ke	BGR
OrigID 20606012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20606012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	28.21	P		21:29:37.985	-0.1	273.2		8.28		TAS		42.8	1.59	m_e	mb	5.0
BFO	26.80	P		21:29:25.651	0.8	273.2		8.28		TAS		31.2	1.62	m_e	mb	4.8
BRG	30.28	P		21:29:56.613	0.7	273.2		8.28		TAS		14.7	1.50	m_e	mb	4.6
BSEG	28.10	P		21:29:36.796	-0.4	273.2		8.28		TAS		33.8	1.23	m_e	mb	5.0
CLL	29.66	P		21:29:50.828	0.1	273.2		8.28		TAS		5.5	1.03	m_e	mb	4.3
CLZ	28.02	P		21:29:35.823	-0.6	273.2		8.28		TAS		15.4	1.10	m_e	mb	4.8
FUR	28.78	P		21:29:42.943	0.7	273.2		8.28		TAS		85.8	1.91	m_e	mb	5.2
GEC2	30.30	P		21:29:55.277	-0.5	273.2		8.28		TAS		13.9	1.23	m_e	mb	4.7
GRA1	28.61	P		21:29:40.118	-1.1	273.2		8.28		TAS		28.3	1.38	m_e	mb	4.9
GTTG	27.76	P		21:29:34.084	0.0	273.2		8.28		TAS		12.9	1.13	m_e	mb	4.7
IBBN	26.43	P		21:29:23.140	0.7	273.2		8.28		TAS		29.9	1.06	m_e	mb	4.8
MOX	28.81	P		21:29:43.332	0.2	273.2		8.28		TAS		18.1	1.61	m_e	mb	4.7
PLN	29.16	P		21:29:46.540	0.3	273.2		8.28		TAS		8.9	1.58	m_e	mb	4.3
STU	27.34	P		21:29:29.412	-0.4	273.2		8.28		TAS		54.3	1.29	m_e	mb	5.1
TANN	29.36	P		21:29:48.253	0.3	273.2		8.28		TAS		8.5	1.16	m_e	mb	4.5
TNS	26.80	P		21:29:26.094	0.7	273.2		8.28		TAS		38.8	1.63	m_e	mb	4.9
WET	29.73	P		21:29:50.137	-0.7	273.2		8.28		TAS		7.3	1.14	m_e	mb	4.4
WLF	25.32	P		21:29:11.189	-0.9	273.2		8.28		TAS		30.0	1.04	m_e	mb	5.0

Event 20607003 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/07	03:55:17.00			43.5920	-28.9090				10.0			12		24.66	29.63	m i ke	USGS
OrigID 20607021																	

Magnitude	Err	Nsta	Author	OrigID
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mb	4.6	BGR	20607009
Ms	3.9	BGR	20607009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	27.58		P	04:01:04.969	-2.5	272.9		8.58		TAS		15.8	1.05	m_e	mb 4.8
BFO	26.12		P	04:00:51.706		272.9		8.58		TAS		15.9	1.07	m_e	mb 4.6
BSEG	27.49		P	04:01:04.271	-1.5	272.9		8.58		TAS		16.7	0.82	m_e	mb 4.9
CLL	29.02		P	04:01:17.765		272.9		8.58		TAS		4.1	0.87	m_e	mb 4.3
CLZ	27.38		P	04:01:03.340	0.1	272.9		8.58		TAS		23.6	1.07	m_e	mb 4.8
FLT1	27.93		P	04:01:07.295	-0.2	272.9		8.58		TAS		7.0	1.02	m_e	mb 4.4
GEC2	29.63		P	04:01:23.117		272.9		8.58		TAS				m_e	
GRA1	27.94		P	04:01:11.179		272.9		8.58		TAS		20.1	1.31	m_e	mb 4.8
GRA1	27.94		L	04:10:56.066						T__		311.7	20.70	a_e	Ms 3.9
IBBN	25.80		P	04:00:54.964	-0.2	272.9		8.58		TAS		36.3	1.04	m_e	mb 4.9
MOX	28.16		L	04:10:42.940						T__		289.2	18.10	a_e	Ms 3.9
PLN	28.51		P	04:01:13.112		272.9		8.58		TAS		2.7	0.91	m_e	mb 4.1
TANN	28.71		P	04:01:14.741		272.9		8.58		TAS		5.6	0.93	m_e	mb 4.4
WET	29.06		P	04:01:17.300		272.9		8.58		TAS		6.4	1.03	m_e	mb 4.4
WLF	24.66		P	04:00:37.281		272.9		8.58		TAS		35.0	1.07	m_e	mb 5.0

Event 20608001 Western Brazil

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2022/06/08	00:55:53.03			-8.5900	-70.2700				639.7	2.1		28		87.85	93.25	m i ke	BGR
20608007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	20608007
MBB	6.8		BGR	20608007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.66		P	01:07:40.404	0.2	258.2		4.68		TAS		164.7	0.84	m_e	MBB 6.8
ASSE	91.23		P	01:07:52.304	0.1	258.2		4.68		TAS		235.4	1.65	m_e	MBB 6.9
BFO	88.90		P	01:07:40.581	-0.7	258.2		4.68		TAS		58.4	1.01	m_e	MBB 6.5
BRG	92.99		P	01:08:00.500	0.4	258.2		4.68		TAS		79.3	0.82	m_e	MBB 6.8
BSEG	91.40		P	01:07:52.868	-0.3	258.2		4.68		TAS		229.7	0.84	m_e	MBB 6.8
BSEG	91.40		PP	01:11:42.440		258.0		7.66		T__				m_e	
BUG	89.01		P	01:07:41.853	0.1	258.2		4.68		TAS		491.4	1.62	m_e	MBB 6.8
CLL	92.48		P	01:07:57.805	0.1	258.2		4.68		TAS		62.6	1.07	m_e	MBB 6.7
CLZ	90.98		P	01:07:50.862	0.1	258.2		4.68		TAS		83.2	1.07	m_e	MBB 6.7
FLT1	91.61		P	01:07:53.671	-0.2	258.2		4.68		TAS		53.4	0.92	m_e	MBB 6.7
FLT1	91.61		PP	01:11:43.972		258.0		7.66		T__				m_e	
FUR	90.78		P	01:07:50.354	-0.1	258.2		4.68		TAS		201.7	0.85	m_e	MBB 6.9
GEC2	92.49		P	01:07:58.003	-0.2	258.2		4.68		TAS		126.1	0.74	m_e	MBB 6.7
GEC2	92.49		PP	01:11:50.642		258.0		7.66		T__				m_e	
GOR1	91.78		P	01:07:54.572	0.2	258.2		4.68		TAS		158.8	1.38	m_e	MBB 6.8

GRA1	91.06	P	01:07:51.237	-0.1	258.2	4.68	TAS	76.4	1.06	m_e	mb	6.0
GRA1	91.06	PP	01:11:39.658		258.0	7.66	T__				m_e	
GTTG	90.67	P	01:07:49.488	-0.2	258.2	4.68	TAS	152.8	1.43	m_e	MBB	6.8
IBBN	89.52	P	01:07:44.346	0.1	258.2	4.68	TAS	118.6	0.88	m_e	MBB	6.9
KAST	89.65	P	01:07:44.436	-0.3	258.2	4.68	TAS	60.1	1.09	m_e	MBB	6.6
KAST	89.65	pP	01:09:59.602		260.6	4.88	T__				m_e	
MOX	91.50	P	01:07:53.522	0.2	258.2	4.68	TAS	67.7	0.96	m_e	MBB	6.7
MOX	91.50	PP	01:11:43.085		258.0	7.66	T__				m_e	
NEUB	91.70	P	01:07:54.596	0.1	258.2	4.68	TAS	1818.4	2.76	m_e	MBB	6.9
PLN	91.80	P	01:07:55.031	0.1	258.2	4.68	TAS	24.8	1.09	m_e	MBB	6.3
RGN	93.25	P	01:08:02.079		258.2	4.68	TAS	281.9	0.96	m_e	MBB	7.0
RUE	93.16	P	01:08:01.086		258.2	4.68	TAS	78.8	1.05	m_e	MBB	6.8
RUE	93.16	PP	01:11:55.878		258.0	7.66	T__				m_e	
STU	89.56	P	01:07:44.456	0.1	258.2	4.68	TAS	298.3	0.74	m_e	MBB	6.9
STU	89.56	pP	01:09:59.686		260.6	4.88	T__				m_e	
TANN	91.98	P	01:07:55.905	-0.3	258.2	4.68	TAS	102.8	1.14	m_e	MBB	6.8
TANN	91.98	PP	01:11:46.787		258.0	7.66	T__				m_e	
TNS	89.43	P	01:07:43.758	-0.0	258.2	4.68	TAS	168.7	0.75	m_e	MBB	6.8
UBR	89.91	P	01:07:46.269	0.2	258.2	4.68	TAS	154.9	0.99	m_e	MBB	6.9
WET	92.01	P	01:07:55.930	-0.1	258.2	4.68	TAS	113.0	0.94	m_e	MBB	6.7
WET	92.01	pP	01:10:11.666		260.6	4.88	T__				m_e	
WLF	87.85	P	01:07:36.726	0.3	258.2	4.68	TAS	437.2	0.82	m_e	MBB	6.9

Event 20609003 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/09	11:18:00.72	0.87	0.89	42.9210	13.9710	13.3	8.9	157	10.0				28 301	4.18	7.13	m i ke	BGR
20609009																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	20609009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.46		Pn	11:19:06.045	-1.2					T__				m_e	ML 3.6
BALST	6.26		Pn	11:19:31.860	-0.1					T__				m_e	ML 4.4
BERGE	6.41		Pn	11:19:33.354	-0.7					T__				m_e	
BFO	6.70		Pn	11:19:37.561	-0.4					T__				m_e	
BIOA	4.77		Pn	11:19:11.956	0.4					T__				m_e	ML 4.2
DAVA	5.24		Pn	11:19:19.144	1.3					T__				m_e	ML 4.3
ECH	7.13		Sn	11:20:57.346	-2.1					T__				m_e	
ECH	7.13		Pn	11:19:43.239	-0.7					T__				m_e	ML 4.3
EMING	6.14		Pn	11:19:30.366	0.1					T__				m_e	
FETA	4.70		Pn	11:19:11.088	0.6					T__				m_e	ML 3.8
GEC2	5.92		Sn	11:20:30.221	-0.6					T__				m_e	
GEC2	5.92		Pn	11:19:26.005	-1.4					T__				m_e	ML 4.1
KBA	4.18		Pn	11:19:03.165	-0.2					T__				m_e	ML 3.9

LESA	4.59	Pn	11:19:08.795	-0.3	T__	m_e ML	4.1
METMA	6.26	Pn	11:19:31.427	-0.5	T__	m_e	
MOA	4.93	Sn	11:20:08.599	1.5	T__	m_e	
MOA	4.93	Pn	11:19:13.320	-0.4	T__	m_e ML	4.3
MOTA	4.86	Pn	11:19:13.622	0.8	T__	m_e ML	4.0
PLONS	5.25	Pn	11:19:19.793	1.6	T__	m_e ML	4.2
RETA	5.09	Pn	11:19:16.952	1.0	T__	m_e ML	4.0
RJOB	4.88	Pn	11:19:13.205	0.1	T__	m_e ML	3.8
RONF	7.04	Sn	11:20:57.789	0.6	T__	m_e	
RONF	7.04	Pn	11:19:41.557	-1.1	T__	m_e ML	4.6
SLE	6.19	Pn	11:19:30.626	-0.4	T__	m_e ML	4.8
SQTA	4.72	Pn	11:19:11.631	0.8	T__	m_e ML	4.2
SULZ	6.19	Pn	11:19:30.626	-0.3	T__	m_e ML	5.1
UBR	5.48	Pn	11:19:21.890	0.6	T__	m_e ML	4.3
WALHA	5.91	Pn	11:19:27.140	-0.1	T__	m_e	
WET	6.27	Pn	11:19:30.565	-1.5	T__	m_e ML	4.0
WILA	5.74	Pn	11:19:25.309	0.5	T__	m_e ML	4.4
WTTA	4.64	Pn	11:19:10.527	0.8	T__	m_e ML	4.3
ZUGS	4.97	Pn	11:19:15.176	1.0	T__	m_e ML	4.2

Event 20609002 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/09	16:03:31.50			31.8090	101.2790				33.0			26		64.00	69.51	m i ke	BGR
OrigID 20609008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20609008
Ms	5.5		BGR	20609008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.60	P		16:14:30.229	-0.2	68.1		6.41		TAS		42.9	1.20	m_e mb	5.5
ASSE	65.91	P		16:14:12.229	0.1	68.1		6.41		TAS		16.0	0.97	m_e mb	5.2
BFO	68.77	P		16:14:30.756		68.1		6.41		TAS		30.4	1.08	m_e mb	5.5
BRG	64.43	P		16:14:03.444	-0.1	68.1		6.41		TAS		30.4	0.98	m_e mb	5.5
BSEG	65.46	P		16:14:10.312	-0.2	68.1		6.41		TAS		61.1	0.99	m_e mb	5.8
BUG	68.12	P		16:14:27.061	-0.1	68.1		6.41		TAS		43.9	1.11	m_e mb	5.6
CLL	64.84	P		16:14:05.719	-0.1	68.1		6.41		TAS		30.6	1.04	m_e mb	5.5
CLZ	66.19	P		16:14:14.800	-0.4	68.1		6.41		TAS		53.8	0.94	m_e mb	5.8
FLT1	65.51	P		16:14:09.554	0.1	68.1		6.41		TAS		36.7	0.98	m_e mb	5.6
FUR	67.03	P		16:14:20.938		68.1		6.41		TAS		100.6	0.96	m_e mb	6.0
GEC2	65.28	P		16:14:09.305	0.8	68.1		6.41		TAS		27.8	1.02	m_e mb	5.4
GOR1	65.24	P		16:14:08.943	0.1	68.1		6.41		TAS		69.7	1.13	m_e mb	5.8
GRA1	66.49	P		16:14:17.251	-0.2	68.1		6.41		TAS		54.9	1.01	m_e mb	5.7
GRA1	66.49	L		16:44:57.775						T__		3744.7	19.40	a_e Ms	5.6
GTTG	66.53	P		16:14:16.902	-0.1	68.1		6.41		TAS		41.6	0.99	m_e mb	5.6

IBBN	67.50	P	16:14:22.974	0.2	68.1	6.41	TAS	30.0	1.09	m_e	mb	5.4
KAST	67.56	P	16:14:23.315	0.0	68.1	6.41	TAS	30.2	1.65	m_e	mb	5.3
MOX	65.90	P	16:14:12.882	-0.1	68.1	6.41	TAS	24.6	1.09	m_e	mb	5.3
MOX	65.90	L	16:42:34.470				T__	2300.3	21.50	a_e	Ms	5.3
NEUB	65.61	P	16:14:10.843	0.1	68.1	6.41	TAS	52.9	0.96	m_e	mb	5.7
PLN	65.63	P	16:14:11.074	0.2	68.1	6.41	TAS	10.1	1.11	m_e	mb	5.0
RUE	64.00	P	16:14:00.431	-0.6	68.1	6.41	TAS	44.2	1.00	m_e	mb	5.7
STU	68.07	P	16:14:26.555	-0.2	68.1	6.41	TAS	92.3	1.04	m_e	mb	6.0
TANN	65.48	P	16:14:10.063	0.6	68.1	6.41	TAS	27.0	1.02	m_e	mb	5.4
TNS	67.93	P	16:14:25.690	-0.2	68.1	6.41	TAS	18.3	0.95	m_e	mb	5.3
UBR	67.94	P	16:14:25.765		68.1	6.41	TAS	21.9	0.96	m_e	mb	5.4
WET	65.68	P	16:14:11.264	-0.5	68.1	6.41	TAS	25.0	1.08	m_e	mb	5.4
WLF	69.51	P	16:14:36.237	0.4	68.1	6.41	TAS	75.9	1.00	m_e	mb	5.8

Event 20609001 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/09	17:28:39.89		32.0730	102.0370				33.0				25		64.70	69.76	m i ke	BGR
OrigID 20609007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	20609007
MBB	5.9		BGR	20609007
Ms	5.9		BGR	20609007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.85		P	17:39:40.147	0.4	67.4		6.39		TAS		28.2	0.93	m_e	MBB 5.7
ASSE	66.15		P	17:39:22.496	-0.6	67.4		6.39		TAS		710.5	3.52	m_e	MBB 5.8
BFO	69.04		P	17:39:40.760		67.4		6.39		TAS		32.1	1.08	m_e	MBB 5.8
BRG	64.70		P	17:39:13.290	-0.1	67.4		6.39		TAS		25.6	0.78	m_e	MBB 5.8
BSEG	65.68		P	17:39:19.910	0.0	67.4		6.39		TAS		53.5	0.83	m_e	MBB 6.0
BUG	68.36		P	17:39:36.886	-0.3	67.4		6.39		TAS		23.8	0.82	m_e	mb 5.5
CLL	65.10		P	17:39:15.581	-0.1	67.4		6.39		TAS		22.8	0.93	m_e	MBB 5.6
CLZ	66.43		P	17:39:24.982	-0.4	67.4		6.39		TAS		55.0	0.78	m_e	MBB 6.1
FLT1	65.75		P	17:39:19.619	-0.0	67.4		6.39		TAS		27.2	0.81	m_e	MBB 5.9
FUR	67.32		P	17:39:31.296		67.4		6.39		TAS		78.1	0.79	m_e	MBB 6.2
GEC2	65.57		P	17:39:19.249	-0.4	67.4		6.39		TAS		27.2	1.15	m_e	MBB 5.9
GOR1	65.47		P	17:39:18.617	-0.6	67.4		6.39		TAS		161.4	1.54	m_e	MBB 6.1
GRA1	66.75		P	17:39:27.353	-0.6	67.4		6.39		TAS		44.9	0.82	m_e	mb 5.7
GRA1	66.75		L	18:10:10.436						T__		11732.8	18.40	a_e	Ms 6.1
GTTG	66.78		P	17:39:27.137	-0.1	67.4		6.39		TAS		41.8	0.92	m_e	MBB 5.9
IBBN	67.73		P	17:39:32.798	0.3	67.4		6.39		TAS		150.5	1.68	m_e	MBB 6.0
KAST	67.80		P	17:39:32.996	0.1	67.4		6.39		TAS		9.3	0.85	m_e	MBB 5.7
MOX	66.16		P	17:39:22.775	-0.1	67.4		6.39		TAS		16.1	0.97	m_e	MBB 5.8
MOX	66.16		L	18:07:45.878						T__		5721.7	21.30	a_e	Ms 5.8
NEUB	65.86		P	17:39:20.914	-0.1	67.4		6.39		TAS		46.7	0.84	m_e	MBB 6.1

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PLN	65.90	P	17:39:21.142	0.6	67.4	6.39	TAS	5.6	0.87	m_e	MBB	5.3
STU	68.34	P	17:39:36.596		67.4	6.39	TAS	80.5	0.80	m_e	MBB	6.4
TANN	65.74	P	17:39:20.228	0.3	67.4	6.39	TAS	19.3	0.87	m_e	MBB	5.7
TNS	68.18	P	17:39:35.810	0.1	67.4	6.39	TAS	16.3	0.82	m_e	MBB	5.7
UBR	68.23	P	17:39:35.707		67.4	6.39	TAS	19.3	0.75	m_e	MBB	6.0
WET	65.96	P	17:39:21.944	1.0	67.4	6.39	TAS	35.5	1.17	m_e	MBB	6.0
WLF	69.76	P	17:39:46.360	-0.3	67.4	6.39	TAS	72.7	0.87	m_e	MBB	6.0

Event 20610002 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/10	23:07:22.00			-35.0820	-179.6130				31.0	3.4		22		159.84	165.45	m i ke	USGS
OrigID 20610020																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	20610008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	163.73		PKPdf	23:27:25.548		26.1		1.09		TAS				m_e	
AHRW	163.73		PKPab	23:28:16.142		32.6		4.64		TAS				m_e	
ASSE	161.38		PKPdf	23:27:23.454	1.1	26.1		1.09		TAS				m_e	
ASSE	161.38		PKPab	23:28:05.168	-1.2	32.6		4.64		TAS				m_e	
BFO	165.45		PKPab	23:28:23.136		32.6		4.64		TAS				m_e	
BRG	161.37		PKPdf	23:27:22.988	-0.0	26.1		1.09		TAS				m_e	
BSEG	159.84		PKPab	23:27:58.977	0.3	32.6		4.64		TAS				m_e	
BUG	162.84		PKPdf	23:27:23.686	-0.3	26.1		1.09		TAS				m_e	
CLL	161.35		PKPdf	23:27:22.756	0.0	26.1		1.09		TAS				m_e	
CLZ	161.71		PKPdf	23:27:22.523	0.1	26.1		1.09		TAS				m_e	
CLZ	161.71		PKPab	23:28:06.252	-0.5	32.6		4.64		TAS				m_e	
CLZ	161.71		pPKPab	23:28:16.371						T__				m_e	
FLT1	161.04		PKPdf	23:27:22.058	0.6	26.1		1.09		TAS				m_e	
FLT1	161.04		PKPab	23:28:02.427	-0.3	32.6		4.64		TAS				m_e	
FUR	164.58		PKPdf	23:27:26.246		26.1		1.09		TAS				m_e	
FUR	164.58		PKPab	23:28:19.091		32.6		4.64		TAS				m_e	
GEC2	163.06		PKPdf	23:27:24.617	-0.1	26.1		1.09		TAS				m_e	
GOR1	160.43		PKPdf	23:27:22.290	-0.1	26.1		1.09		TAS				m_e	
GOR1	160.43		PKPab	23:28:00.810	-0.2	32.6		4.64		TAS				m_e	
GRA1	163.33		PKPdf	23:27:24.384	0.5	26.1		1.09		TAS				m_e	
GRA1	163.33		PKPab	23:28:13.571		32.6		4.64		TAS				m_e	
GRA1	163.33		L	00:39:34.656						T__		1136.0	21.70	a_e Ms	5.7
GTTG	162.09		PKPab	23:28:09.041	0.9	32.6		4.64		TAS				m_e	
GTTG	162.09		pPKPab	23:28:17.153						T__				m_e	
IBBN	161.92		PKPdf	23:27:23.454	-0.8	26.1		1.09		TAS				m_e	
IBBN	161.92		PKPab	23:28:07.986	0.8	32.6		4.64		TAS				m_e	
KAST	162.81		PKPdf	23:27:26.013	0.1	26.1		1.09		TAS				m_e	
MOX	162.38		PKPdf	23:27:24.152	-1.2	26.1		1.09		TAS				m_e	

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MOX	162.38	L	00:44:17.925							T__	1833.6	21.20	a_e	Ms	5.9
NEUB	161.86	PKPpdf	23:27:23.454	1.6	26.1	1.09				TAS			m_e		
NEUB	161.86	PKPab	23:28:06.468	-0.3	32.6	4.64				TAS			m_e		
RUE	160.11	PKPpdf	23:27:21.127	-0.4	26.1	1.09				TAS			m_e		
STU	164.79	PKPpdf	23:27:26.944		26.1	1.09				TAS			m_e		
STU	164.79	PKPab	23:28:21.293		32.6	4.64				TAS			m_e		
TANN	162.29	PKPpdf	23:27:25.082	0.2	26.1	1.09				TAS			m_e		
TNS	163.70	PKPpdf	23:27:24.152		26.1	1.09				TAS			m_e		
TNS	163.70	PKPab	23:28:14.616		32.6	4.64				TAS			m_e		
UBR	165.42	PKPpdf	23:27:27.875		26.1	1.09				TAS			m_e		
UBR	165.42	PKPab	23:28:23.720		32.6	4.64				TAS			m_e		
WET	163.16	PKPpdf	23:27:25.315	0.3	26.1	1.09				TAS			m_e		
WLF	164.75	PKPpdf	23:27:26.478		26.1	1.09				TAS			m_e		
WLF	164.75	PKPab	23:28:22.301		32.6	4.64				TAS			m_e		

Event 20611001 New Caledonia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/11	04:46:40.32			-23.8730	168.8240				21.4	0.1		23		145.66	151.07	m i ke	BGR
20611007																	

Magnitude Err Nsta Author OrigID
Ms 4.9 BGR 20611007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.17		PKPbc	05:06:21.487	0.2	42.3		2.70		TAS				m_e	
BFO	151.07		PKPbc	05:06:31.171		42.3		2.70		TAS				m_e	
BRG	146.75		PKPbc	05:06:20.269	0.4	42.3		2.70		TAS				m_e	
BSEG	145.87		PKPbc	05:06:17.485	-0.2	42.3		2.70		TAS				m_e	
BUG	148.97		PKPbc	05:06:26.668	0.1	42.3		2.70		TAS				m_e	
CLL	146.84		PKPbc	05:06:20.416	0.0	42.3		2.70		TAS				m_e	
CLZ	147.51		PKPbc	05:06:22.820	-0.1	42.3		2.70		TAS				m_e	
FLT1	146.79		PKPbc	05:06:20.029	0.6	42.3		2.70		TAS				m_e	
FUR	149.90		pPKPbc	05:06:34.912						T__				m_e	
GEC2	148.27		PKPbc	05:06:24.597		42.3		2.70		TAS				m_e	
GEC2	148.27		pPKPbc	05:06:31.068						T__				m_e	
GOR1	146.25		PKPbc	05:06:18.710	0.0	42.3		2.70		TAS				m_e	
GRA1	148.80		L	06:48:39.778						T__		251.5	18.70	a_e	Ms 5.0
GTTG	147.90		PKPbc	05:06:24.012	0.2	42.3		2.70		TAS				m_e	
IBBN	148.09		PKPbc	05:06:24.158	0.5	42.3		2.70		TAS				m_e	
KAST	148.76		PKPbc	05:06:26.020	-0.1	42.3		2.70		TAS				m_e	
MOX	147.92		PKPbc	05:06:23.288	-0.1	42.3		2.70		TAS				m_e	
MOX	147.92		L	06:46:40.145						T__		159.3	20.20	a_e	Ms 4.8
NEUB	147.45		PKPbc	05:06:22.237	0.1	42.3		2.70		TAS				m_e	
PLN	147.81		PKPbc	05:06:23.145	0.3	42.3		2.70		TAS				m_e	
RUE	145.66		PKPbc	05:06:17.079	0.1	42.3		2.70		TAS				m_e	

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STU	150.37	PKPbc	05:06:29.861	42.3	2.70	TAS	m_e
TANN	147.73	PKPbc	05:06:23.244	0.1 42.3	2.70	TAS	m_e
TNS	149.53	PKPbc	05:06:27.672	-0.1 42.3	2.70	TAS	m_e
UBR	150.79	PKPbc	05:06:30.741	42.3	2.70	TAS	m_e
UBR	150.79	pPKPbc	05:06:37.133			T__	m_e
WET	148.45	PKPbc	05:06:25.175	42.3	2.70	TAS	m_e
WLF	150.85	PKPbc	05:06:31.881	-0.7 42.3	2.70	TAS	m_e

Event 20611002 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/11	07:29:54.00			-7.9920	-13.6180				22.3	1.5		23		59.31	66.31	m i ke	USGS
OrigID 20611020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20611008
Ms	5.1		BGR	20611008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	61.03		P	07:40:07.586	-0.1	208.3		6.66		TAS				m_e	
AHRW	61.03		pP	07:40:13.920		205.8		6.92		T__		64.7	1.36	m_e	
BFO	59.36		P	07:39:54.854	-0.8	208.3		6.66		TAS		51.3	1.18	m_e	mb 5.4
BFO	59.36		pP	07:40:01.434		205.8		6.92		T__				m_e	
BRG	63.32		P	07:40:21.589	0.8	208.3		6.66		TAS		22.3	1.26	m_e	mb 5.2
BSEG	64.95		P	07:40:32.984		208.3		6.66		TAS		39.9	1.06	m_e	mb 5.6
CLL	63.40		P	07:40:22.304	0.3	208.3		6.66		TAS		80.4	2.12	m_e	mb 5.5
CLZ	63.09		P	07:40:20.570	-0.3	208.3		6.66		TAS		103.8	2.15	m_e	mb 5.6
FLT1	63.77		P	07:40:24.808		208.3		6.66		TAS		102.2	1.81	m_e	mb 5.8
FUR	60.11		P	07:40:00.491	0.6	208.3		6.66		TAS				m_e	
FUR	60.11		pP	07:40:06.687		205.8		6.92		T__		67.1	1.15	m_e	
GEC2	61.50		P	07:40:09.452	-0.1	208.3		6.66		TAS				m_e	
GOR1	64.37		P	07:40:29.935		208.3		6.66		TAS		99.9	1.26	m_e	mb 5.9
GRA1	61.43		P	07:40:09.363	0.1	208.3		6.66		TAS				m_e	
GRA1	61.43		pP	07:40:15.144		205.8		6.92		T__				m_e	
GRA1	61.43		L	08:07:03.742						T__		1562.5	18.30	a_e	Ms 5.2
GTTG	62.71		P	07:40:18.184	-0.0	208.3		6.66		TAS		49.1	1.26	m_e	mb 5.5
IBBN	62.82		P	07:40:19.121	-0.0	208.3		6.66		TAS		99.0	1.74	m_e	mb 5.7
KAST	61.98		P	07:40:13.253	0.2	208.3		6.66		TAS		106.4	2.22	m_e	mb 5.7
MOX	62.39		P	07:40:15.671	-0.3	208.3		6.66		TAS		35.8	1.15	m_e	mb 5.5
MOX	62.39		L	08:07:31.918						T__		1174.9	18.20	a_e	Ms 5.1
PLN	62.42		P	07:40:16.000	0.1	208.3		6.66		TAS		9.0	1.04	m_e	mb 4.9
RGN	66.31		P	07:40:41.240		208.3		6.66		TAS		56.6	0.96	m_e	mb 5.8
RUE	64.65		P	07:40:30.963		208.3		6.66		TAS		82.7	1.36	m_e	mb 5.8
TANN	62.45		P	07:40:15.667	0.2	208.3		6.66		TAS		33.4	1.10	m_e	mb 5.5
TNS	61.10		P	07:40:07.303	0.1	208.3		6.66		TAS				m_e	
TNS	61.10		pP	07:40:13.578		205.8		6.92		T__		60.0	1.36	m_e	

2022/06/11 16:37:18.76

-18.4290 -176.1790

229.3 3.4

31

144.12 150.84 m i ke BGR

20611014

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	145.85		PKPbc	16:56:29.933	0.2	13.4		2.72		TAS					m_e	
ASSE	145.85		pPKPbc	16:57:27.938	0.3	11.9		2.82		TAS					m_e	
BFO	149.86		PKPbc	16:56:40.818	-0.2	13.4		2.72		TAS					m_e	
BFO	149.86		pPKPbc	16:57:39.631		11.9		2.82		TAS					m_e	
BRG	146.56		PKPbc	16:56:32.332	-0.1	13.4		2.72		TAS					m_e	
BRG	146.56		pPKPbc	16:57:30.467	-0.0	11.9		2.82		TAS					m_e	
BSEG	144.12		PKPbc	16:56:24.485	-0.4	13.4		2.72		TAS					m_e	
BUG	146.85		PKPbc	16:56:33.267	0.4	13.4		2.72		TAS					m_e	
CLL	146.31		PKPbc	16:56:31.498	0.2	13.4		2.72		TAS					m_e	
CLL	146.31		pPKPbc	16:57:28.968	-0.1	11.9		2.82		TAS					m_e	
CLZ	146.17		PKPbc	16:56:31.081	0.3	13.4		2.72		TAS					m_e	
CLZ	146.17		pPKPbc	16:57:28.746	-0.2	11.9		2.82		TAS					m_e	
DAVA	150.70		PKPbc	16:56:43.194		13.4		2.72		TAS					m_e	
DAVA	150.70		pPKPbc	16:57:41.520		11.9		2.82		TAS					m_e	
FETA	150.84		PKPbc	16:56:43.422		13.4		2.72		TAS					m_e	
FLT1	145.58		PKPbc	16:56:28.995	0.1	13.4		2.72		TAS					m_e	
FUR	149.64		PKPbc	16:56:40.675	-0.3	13.4		2.72		TAS					m_e	
FUR	149.64		pPKPbc	16:57:38.652		11.9		2.82		TAS					m_e	
GEC2	148.54		PKPbc	16:56:37.807	-0.2	13.4		2.72		TAS					m_e	
GEC2	148.54		pPKPbc	16:57:36.204		11.9		2.82		TAS					m_e	
GOR1	144.93		PKPbc	16:56:27.442	-0.3	13.4		2.72		TAS					m_e	
GRA1	148.16		PKPbc	16:56:36.817	0.3	13.4		2.72		TAS					m_e	
GTTG	146.51		PKPbc	16:56:32.213	0.2	13.4		2.72		TAS					m_e	
GTTG	146.51		pPKPbc	16:57:30.182	0.2	11.9		2.82		TAS					m_e	
IBBN	145.96		PKPbc	16:56:30.398	0.3	13.4		2.72		TAS					m_e	
KAST	147.00		PKPbc	16:56:33.253	0.5	13.4		2.72		TAS					m_e	
KAST	147.00		pPKPbc	16:57:31.425	0.2	11.9		2.82		TAS					m_e	
KBA	150.29		PKPbc	16:56:41.597		13.4		2.72		TAS					m_e	
MOTA	150.46		pPKPbc	16:57:41.011		11.9		2.82		TAS					m_e	
MOX	147.17		PKPbc	16:56:33.783	0.3	13.4		2.72		TAS					m_e	
MOX	147.17		pPKPbc	16:57:32.153	-0.2	11.9		2.82		TAS					m_e	
NEUB	146.62		PKPbc	16:56:32.366	0.1	13.4		2.72		TAS					m_e	
NEUB	146.62		pPKPbc	16:57:30.299	-0.2	11.9		2.82		TAS					m_e	
PLN	147.25		PKPbc	16:56:34.247	0.5	13.4		2.72		TAS					m_e	
PLN	147.25		pPKPbc	16:57:32.384	-0.3	11.9		2.82		TAS					m_e	
RETA	150.38		PKPbc	16:56:41.940		13.4		2.72		TAS					m_e	
RUE	145.05		PKPbc	16:56:27.535	-0.2	13.4		2.72		TAS					m_e	
SQTA	150.56		PKPbc	16:56:42.567		13.4		2.72		TAS					m_e	
STU	149.33		PKPbc	16:56:39.844	-0.7	13.4		2.72		TAS					m_e	
TANN	147.26		PKPbc	16:56:34.366	0.2	13.4		2.72		TAS					m_e	
TANN	147.26		pPKPbc	16:57:31.997		11.9		2.82		TAS					m_e	
TNS	147.97		PKPbc	16:56:36.267	0.3	13.4		2.72		TAS					m_e	
UBR	150.28		PKPbc	16:56:41.927		13.4		2.72		TAS					m_e	

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Thu Aug 24 08:27:56 2023

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UBR	150.28	pPKPbc	16:57:40.825		11.9	2.82	TAS									m_e
WET	148.41	PKPbc	16:56:37.293	0.3	13.4	2.72	TAS									m_e
WET	148.41	pPKPbc	16:57:35.422		11.9	2.82	TAS									m_e
WLF	148.69	PKPbc	16:56:38.495	-0.2	13.4	2.72	TAS									m_e
WLF	148.69	pPKPbc	16:57:36.284		11.9	2.82	TAS									m_e
WTTA	150.45	PKPbc	16:56:42.282		13.4	2.72	TAS									m_e

Event 20611009 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/11	17:55:01.00			-18.9860	-12.3160				10.0			27		69.39	76.49	m i ke	USGS
20611027																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20611015
Ms	5.2		BGR	20611015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.35		P	18:06:21.553	0.5	202.0		6.03		TAS		24.2	0.98	a_e mb	5.3
ASSE	73.64		P	18:06:34.853	0.1	202.0		6.03		TAS		16.8	1.04	a_e mb	5.0
BFO	69.55		P	18:06:09.503	-0.6	202.0		6.03		TAS		38.9	0.97	a_e mb	5.5
BFO	69.55		PP	18:08:41.675	-0.4	201.4		9.05		TAS				m_e	
BRG	73.34		P	18:06:32.653	0.1	202.0		6.03		TAS		22.2	1.07	a_e mb	5.2
BSEG	75.23		P	18:06:44.003	-0.4	202.0		6.03		TAS		59.6	1.06	a_e mb	5.5
BSEG	75.23		PP	18:09:33.105		201.4		9.05		TAS				m_e	
BUG	72.24		P	18:06:26.403	-0.0	202.0		6.03		TAS		26.8	1.14	a_e mb	5.3
CLL	73.47		P	18:06:33.553	0.1	202.0		6.03		TAS		67.8	1.89	m_e mb	5.5
CLZ	73.30		P	18:06:32.953	0.2	202.0		6.03		TAS		31.8	1.27	m_e mb	5.3
FLT1	73.96		P	18:06:36.553	-0.1	202.0		6.03		TAS		36.8	1.11	a_e mb	5.3
FUR	70.15		P	18:06:13.403	0.0	202.0		6.03		TAS		54.0	1.05	a_e mb	5.6
GEC2	71.44		P	18:06:21.503	0.5	202.0		6.03		TAS		32.4	1.11	a_e mb	5.4
GEC2	71.44		PP	18:08:57.344		201.4		9.05		TAS				m_e	
GOR1	74.58		P	18:06:40.703	0.3	202.0		6.03		TAS		55.9	1.20	a_e mb	5.5
GRA1	71.53		P	18:06:21.953	0.1	202.0		6.03		TAS		57.2	1.23	a_e mb	5.6
GRA1	71.53		L	18:36:31.377						T__		1200.7	20.40	a_e Ms	5.2
GTTG	72.93		P	18:06:31.003	0.5	202.0		6.03		TAS		69.2	1.18	a_e mb	5.7
IBBN	73.15		P	18:06:32.253	0.3	202.0		6.03		TAS		75.4	1.13	a_e mb	5.7
KAST	72.26		P	18:06:26.603	0.1	202.0		6.03		TAS		16.5	1.10	a_e mb	5.1
MOX	72.51		P	18:06:27.703	-0.1	202.0		6.03		TAS		34.3	1.05	a_e mb	5.4
MOX	72.51		L	18:36:57.005						T__		1461.6	20.10	a_e Ms	5.2
NEUB	73.05		P	18:06:31.003	-0.1	202.0		6.03		TAS		92.6	0.98	a_e mb	5.9
NEUB	73.05		PP	18:09:13.216		201.4		9.05		TAS				m_e	
PLN	72.50		P	18:06:27.403	-0.3	202.0		6.03		TAS		12.9	1.16	a_e mb	5.0
RGN	76.49		P	18:06:51.303	-0.6	202.0		6.03		TAS		37.0	0.86	a_e mb	5.5
RUE	74.74		P	18:06:41.053	-0.1	202.0		6.03		TAS		83.6	1.20	a_e mb	5.6
STU	70.17		P	18:06:13.303	-0.5	202.0		6.03		TAS		101.9	1.07	a_e mb	5.9

TANN	72.52	P	18:06:27.803	0.1	202.0	6.03	TAS	30.0	1.09	a_e	mb	5.3
TANN	72.52	PP	18:09:08.534		201.4	9.05	TAS			m_e		
TNS	71.35	P	18:06:20.953	-0.0	202.0	6.03	TAS	40.6	1.19	a_e	mb	5.4
UBR	69.39	P	18:06:08.703	-0.2	202.0	6.03	TAS	91.7	0.97	a_e	mb	6.0
WET	71.48	P	18:06:21.453	0.1	202.0	6.03	TAS	40.3	1.00	a_e	mb	5.5
WLF	70.32	P	18:06:14.853	-0.0	202.0	6.03	TAS	73.3	1.14	a_e	mb	5.7

Event 20611010 Western Indian-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/11	20:56:28.81			-50.3200	139.9600				33.0			26		145.81	150.71	m i ke	BGR
20611016																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	20611016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	150.43		PKPbc	21:16:15.819	-0.6	111.2		2.82		TAS				m_e		
ASSE	148.75		PKPbc	21:16:12.070	0.1	111.2		2.82		TAS				m_e		
BFO	148.90		PKPbc	21:16:12.011	-0.3	111.2		2.82		TAS				m_e		
BRG	146.41		PKPbc	21:16:04.856	-0.4	111.2		2.82		TAS				m_e		
BSEG	149.44		PKPbc	21:16:14.613	0.3	111.2		2.82		TAS				m_e		
BUG	150.57		PKPbc	21:16:15.620	-1.3	111.2		2.82		TAS				m_e		
CLL	147.12		PKPbc	21:16:06.143	-1.1	111.2		2.82		TAS				m_e		
CLZ	148.84		PKPbc	21:16:11.452	-0.7	111.2		2.82		TAS				m_e		
FLT1	148.48		PKPbc	21:16:11.017	-0.2	111.2		2.82		TAS				m_e		
FUR	147.02		PKPbc	21:16:07.364	0.5	111.2		2.82		TAS				m_e		
GEC2	145.81		PKPbc	21:16:02.883	-0.5	111.2		2.82		TAS		47.4	1.21	m_e		
GOR1	148.63		PKPbc	21:16:12.196	0.4	111.2		2.82		TAS				m_e		
GRA1	147.63		PKPbc	21:16:09.657	1.1	111.2		2.82		TAS				m_e		
GRA1	147.63		L	22:25:41.218						T__		193.1	20.50	a_e	Ms	4.9
GTTG	149.00		PKPbc	21:16:12.052	-0.5	111.2		2.82		TAS				m_e		
IBBN	150.52		PKPbc	21:16:16.564	-0.3	111.2		2.82		TAS				m_e		
KAST	149.82		PKPbc	21:16:14.957	0.2	111.2		2.82		TAS				m_e		
MOX	147.72		PKPbc	21:16:09.904	1.0	111.2		2.82		TAS				m_e		
MOX	147.72		L	22:26:23.254						T__		203.5	21.60	a_e	Ms	4.9
NEUB	147.81		PKPbc	21:16:09.568	0.4	111.2		2.82		TAS				m_e		
PLN	147.34		PKPbc	21:16:08.626	0.8	111.2		2.82		TAS				m_e		
RUE	147.04		PKPbc	21:16:08.013	0.7	111.2		2.82		TAS				m_e		
STU	148.53		PKPbc	21:16:11.675	0.5	111.2		2.82		TAS				m_e		
TANN	147.14		PKPbc	21:16:07.569	0.3	111.2		2.82		TAS				m_e		
TNS	149.49		PKPbc	21:16:14.447	0.6	111.2		2.82		TAS				m_e		
UBR	147.55		PKPbc	21:16:08.086	-0.4	111.2		2.82		TAS				m_e		
WET	146.42		PKPbc	21:16:03.852	-1.3	111.2		2.82		TAS				m_e		
WLF	150.71		PKPbc	21:16:18.107	0.8	111.2		2.82		TAS				m_e		

Event 20612001 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	02:26:26.83			-7.5040	-13.5280				33.0			26		58.82	64.46	m i ke	BGR
OrigID 20612007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20612007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	60.54		P	02:36:35.069	-0.3	208.8		7.04		TAS		20.3	1.34	m_e mb	4.8
ASSE	62.94		P	02:36:51.804	0.1	208.8		7.04		TAS		18.2	1.56	m_e mb	5.0
BFO	58.87		P	02:36:23.605	-0.3	208.8		7.04		TAS		15.6	1.14	m_e mb	4.9
BRG	62.84		P	02:36:50.863	0.1	208.8		7.04		TAS		9.4	1.32	m_e mb	4.8
BSEG	64.46		P	02:37:01.650	-0.5	208.8		7.04		TAS		26.1	1.26	m_e mb	5.3
BUG	61.41		P	02:36:41.475	0.2	208.8		7.04		TAS		10.7	1.19	m_e mb	4.5
CLL	62.91		P	02:36:51.235	-0.1	208.8		7.04		TAS		14.3	1.77	m_e mb	4.8
CLZ	62.60		P	02:36:49.331	-0.1	208.8		7.04		TAS		9.8	1.30	m_e mb	4.8
FLT1	63.28		P	02:36:53.806	-0.2	208.8		7.04		TAS		21.8	1.39	m_e mb	5.1
FUR	59.62		P	02:36:29.226	0.4	208.8		7.04		TAS		28.3	1.13	m_e mb	5.2
GEC2	61.02		P	02:36:38.697	0.6	208.8		7.04		TAS		15.0	1.18	m_e mb	4.7
GOR1	63.88		P	02:36:58.441	0.2	208.8		7.04		TAS		24.6	1.19	m_e mb	5.3
GRA1	60.94		P	02:36:38.235	0.2	208.8		7.04		TAS		13.7	1.24	m_e mb	4.6
GTTG	62.22		P	02:36:47.128	0.3	208.8		7.04		TAS		27.1	1.51	m_e mb	5.3
IBBN	62.33		P	02:36:48.081	0.5	208.8		7.04		TAS		18.5	1.27	m_e mb	5.2
KAST	61.49		P	02:36:42.359	0.5	208.8		7.04		TAS		21.9	1.82	m_e mb	4.7
MOX	61.91		P	02:36:44.010	-0.6	208.8		7.04		TAS		14.6	1.20	m_e mb	5.1
NEUB	62.43		P	02:36:48.322	0.1	208.8		7.04		TAS		18.6	1.10	m_e mb	5.2
PLN	61.93		P	02:36:44.395	-0.3	208.8		7.04		TAS		4.0	1.14	m_e mb	4.5
RUE	64.16		P	02:36:59.891	-0.1	208.8		7.04		TAS		27.4	1.26	m_e mb	5.3
STU	59.52		P	02:36:28.007	-0.3	208.8		7.04		TAS		32.6	1.30	m_e mb	5.2
TANN	61.96		P	02:36:44.472	-0.4	208.8		7.04		TAS		13.2	1.09	m_e mb	5.1
TNS	60.61		P	02:36:36.387	0.5	208.8		7.04		TAS		13.9	1.26	m_e mb	4.6
UBR	58.82		P	02:36:23.220	-0.2	208.8		7.04		TAS		21.0	1.07	m_e mb	5.1
WET	61.00		P	02:36:38.158	0.0	208.8		7.04		TAS		14.4	1.15	m_e mb	4.7
WLF	59.50		P	02:36:27.989	-0.3	208.8		7.04		TAS		14.6	1.16	m_e mb	4.9

Event 20612002 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	04:52:57.73			-7.7620	-13.9550				33.0					59.20	63.22	m i ke	BGR
OrigID 20612008																	

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 20612008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	59.24		P	05:02:57.588		208.3		7.01		TAS		6.2	1.13	m_e	mb 4.5
BRG	63.22		P	05:03:24.604		208.3		7.01		TAS		2.3	1.05	m_e	mb 4.2
GEC2	61.41		P	05:03:12.075		208.3		7.01		TAS		3.9	0.95	m_e	mb 4.2
GRA1	61.32		P	05:03:11.691		208.3		7.01		TAS		6.3	1.07	m_e	mb 4.4
MOX	62.28		P	05:03:18.628		208.3		7.01		TAS		3.1	0.86	m_e	mb 4.6
PLN	62.31		P	05:03:18.766		208.3		7.01		TAS		1.3	1.05	m_e	mb 4.1
TANN	62.34		P	05:03:19.083		208.3		7.01		TAS		13.6	1.26	m_e	mb 5.0
UBR	59.20		P	05:02:57.238		208.3		7.01		TAS		8.6	1.06	m_e	mb 4.7
WET	61.38		P	05:03:11.981		208.3		7.01		TAS		5.3	1.01	m_e	mb 4.3
WLF	59.85		P	05:03:01.272		208.3		7.01		TAS				m_e	

Event 20612003 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	06:36:27.88			-8.3200	-14.0970				33.0					61.89	61.89	m i ke	BGR
OrigID 20612009																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 20612009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	61.89		P	06:46:45.708		208.3		7.15		TAS		9.9	1.09	m_e	mb 5.0
GRA1	61.89		pP	06:46:50.975						T__				m_e	

Event 20612004 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	11:44:26.01			-8.1770	-14.7890				10.0					61.98	61.98	m i ke	BGR
OrigID 20612010																	

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 20612010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	61.98		P	11:54:47.584		208.4		7.12		TAS		11.3	1.38	m_e	mb 4.9
GRA1	61.98		pP	11:54:53.747						T__		11.3	1.38	m_e	

Event 20612005 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
2022/06/12	12:45:56.24			38.0830	141.4160				53.8	1.0		26		78.88	84.29	m i ke	BGR
OrigID 20612011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20612011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.94		P	12:58:13.669	-0.1	37.4		5.25		TAS		10.9	0.80	a_e	mb	5.1
ASSE	80.34		P	12:57:59.969	-0.1	37.4		5.25		TAS		11.9	0.93	a_e	mb	4.8
ASSE	80.34		pP	12:58:15.108	0.1	37.9		5.46		TAS				m_e		
BFO	84.29		P	12:58:20.469	-0.4	37.4		5.25		TAS		26.9	0.94	a_e	mb	5.5
BRG	80.06		P	12:57:58.569	-0.0	37.4		5.25		TAS		10.7	0.83	m_e	mb	4.8
BSEG	79.02		P	12:57:53.219	0.1	37.4		5.25		TAS		25.1	0.92	a_e	mb	5.2
BSEG	79.02		pP	12:58:08.487	-0.2	37.9		5.46		TAS				m_e		
BUG	82.13		P	12:58:09.119	-0.4	37.4		5.25		TAS		12.0	0.80	a_e	mb	5.1
CLL	80.09		P	12:57:58.419	-0.4	37.4		5.25		TAS		25.9	0.91	a_e	mb	5.2
CLL	80.09		pP	12:58:13.763	0.2	37.9		5.46		TAS				m_e		
CLZ	80.68		P	12:58:02.219	0.3	37.4		5.25		TAS		22.6	0.93	a_e	mb	5.2
FLT1	79.96		P	12:57:57.569	-0.6	37.4		5.25		TAS		22.8	0.85	a_e	mb	5.1
FUR	83.26		P	12:58:15.519	0.1	37.4		5.25		TAS		39.1	0.96	a_e	mb	5.6
GEC2	81.73		P	12:58:07.269	-0.1	37.4		5.25		TAS		8.1	0.79	a_e	mb	4.9
GEC2	81.73		pP	12:58:22.670		37.9		5.46		TAS				m_e		
GOR1	79.42		P	12:57:55.519	0.3	37.4		5.25		TAS		33.0	1.24	a_e	mb	5.1
GRA1	82.07		P	12:58:09.669	0.5	37.4		5.25		TAS		24.7	0.90	a_e	mb	5.3
GRA1	82.07		pP	12:58:24.776		37.9		5.46		TAS				m_e		
GTTG	81.07		P	12:58:04.019	0.1	37.4		5.25		TAS		26.8	1.05	a_e	mb	5.2
IBBN	81.25		P	12:58:04.719	-0.1	37.4		5.25		TAS		27.7	0.81	a_e	mb	5.3
IBBN	81.25		pP	12:58:20.262		37.9		5.46		TAS				m_e		
KAST	81.91		P	12:58:08.369	0.0	37.4		5.25		TAS		8.0	0.85	a_e	mb	4.9
MOX	81.15		P	12:58:04.369	-0.0	37.4		5.25		TAS		7.8	0.81	a_e	mb	4.8
NEUB	80.66		P	12:58:01.619	-0.2	37.4		5.25		TAS		32.7	1.00	a_e	mb	5.3
PLN	81.07		P	12:58:03.969	0.0	37.4		5.25		TAS		2.4	0.93	a_e	mb	4.2
RUE	78.88		P	12:57:52.668	0.2	37.4		5.25		TAS		31.4	1.23	m_e	mb	5.2
STU	83.60		P	12:58:17.019	-0.2	37.4		5.25		TAS		38.0	0.74	a_e	mb	5.7
TANN	81.00		P	12:58:03.569	-0.0	37.4		5.25		TAS		6.9	1.04	a_e	mb	4.6
TNS	82.70		P	12:58:12.734	0.2	37.4		5.25		TAS		5.7	0.82	m_e	mb	4.8
TNS	82.70		pP	12:58:28.296		37.9		5.46		TAS				m_e		
UBR	84.12		P	12:58:19.797	-0.2	37.4		5.25		TAS		12.2	1.28	m_e	mb	5.0
WET	81.83		P	12:58:08.319	0.4	37.4		5.25		TAS		12.2	1.06	a_e	mb	5.0
WET	81.83		pP	12:58:23.606		37.9		5.46		TAS				m_e		
WLF	84.00		P	12:58:19.944	0.6	37.4		5.25		TAS		8.7	0.89	m_e	mb	5.0

Event 20612007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	16:16:16.00			-23.1730	171.8870				10.0					149.44	149.44	m i ke	USGS
OrigID 20612025																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.44		PKP	16:36:06.749		36.9		1.45		TAS				m_e	

Event 20612009 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	18:35:21.00	4.11	0.68	38.8220	43.5220	90.1	42.3	143	10.0				31 343	22.03	28.59	m i ke	USGS
OrigID 20612027																	

Magnitude Err Nsta Author OrigID

mb	5.2		BGR	20612015
Ms	4.4		BGR	20612015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	28.14		P	18:41:13.312		103.0		8.98		TAS		24.1	1.02	a_e mb	5.0
ARSA	22.03		P	18:40:15.554	-2.1	103.0		8.98		TAS		129.8	1.86	m_e mb	5.0
BFO	26.99		P	18:41:02.182		103.0		8.98		TAS		22.6	1.43	m_e mb	4.7
BIOA	23.37		P	18:40:30.028	0.2	103.0		8.98		TAS		228.5	1.62	m_e mb	5.5
BRG	24.00		P	18:40:34.912	-0.8	103.0		8.98		TAS		77.0	1.52	a_e mb	5.0
BSEG	27.11		P	18:41:05.162		103.0		8.98		TAS		115.2	1.55	a_e mb	5.4
BUG	28.20		P	18:41:15.012		103.0		8.98		TAS		115.7	1.53	a_e mb	5.5
CLL	24.70		P	18:40:42.342	0.6	103.0		8.98		TAS		326.5	2.73	m_e mb	5.6
CLZ	26.42		P	18:40:58.612	0.3	103.0		8.98		TAS		85.7	1.27	m_e mb	5.2
FLT1	26.06		P	18:40:55.062	1.1	103.0		8.98		TAS		73.7	1.10	a_e mb	5.2
FUR	25.02		P	18:40:45.262	-1.0	103.0		8.98		TAS		158.3	1.25	a_e mb	5.6
GEC2	23.58		P	18:40:31.985	-0.6	103.0		8.98		TAS		229.7	1.69	m_e mb	5.4
GOR1	26.23		P	18:40:57.466	-0.4	103.0		8.98		TAS		315.6	1.66	m_e mb	5.7
GRA1	25.36		P	18:40:48.663	0.8	103.0		8.98		TAS		220.4	1.38	m_e mb	5.7
GRA1	25.36		L	18:54:03.100						T__		1082.9	18.10	a_e Ms	4.4
GTTG	26.59		P	18:41:00.062	-0.1	103.0		8.98		TAS		66.6	1.36	a_e mb	5.2
IBBN	28.10		P	18:41:14.412		103.0		8.98		TAS		88.5	1.23	a_e mb	5.5
KAST	27.44		P	18:41:07.551		103.0		8.98		TAS		91.8	1.57	m_e mb	5.3
KBA	23.46		P	18:40:31.202	1.4	103.0		8.98		TAS		70.8	1.18	m_e mb	5.1
MOA	22.99		P	18:40:27.401	0.8	103.0		8.98		TAS		205.4	1.70	m_e mb	5.4
MOX	25.34		P	18:40:48.112	-0.2	103.0		8.98		TAS		43.5	1.45	a_e mb	5.0
MOX	25.34		L	18:53:34.885						T__		886.9	18.60	a_e Ms	4.3
NEUB	25.40		P	18:40:48.562	-0.1	103.0		8.98		TAS		29.1	1.06	a_e mb	4.9
OBKA	22.55		P	18:40:23.591	2.5	103.0		8.98		TAS		44.2	1.51	m_e mb	4.8

PLN	24.97	P	18:40:44.613	1.2	103.0	8.98	TAS	8.4	1.37	m_e	mb	4.3
RGN	25.72	P	18:40:52.312	-0.6	103.0	8.98	TAS	296.6	1.42	a_e	mb	5.7
RUE	24.65	P	18:40:43.248	-0.0	103.0	8.98	TAS	368.2	1.96	m_e	mb	5.8
STU	26.48	P	18:40:57.962	0.6	103.0	8.98	TAS	115.1	1.09	a_e	mb	5.4
TANN	24.76	P	18:40:43.762	-1.0	103.0	8.98	TAS	53.4	1.61	m_e	mb	5.0
TNS	27.22	P	18:41:05.018		103.0	8.98	TAS	119.4	1.40	m_e	mb	5.4
UBR	25.72	P	18:40:51.462	-0.2	103.0	8.98	TAS	73.0	1.12	a_e	mb	5.2
WET	24.18	P	18:40:37.239	0.9	103.0	8.98	TAS	196.2	1.69	m_e	mb	5.4
WLF	28.59	P	18:41:17.362		103.0	8.98	TAS	36.0	1.14	a_e	mb	5.1

Event 20612010 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	18:41:33.60			-8.8460	-13.5990				10.0					62.24	62.24	m i ke	BGR
OrigID 20612016																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	20612016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	62.24		P	18:51:56.964		206.9		7.10		TAS		5.4	1.24	m_e	mb	4.6

Event 20612011 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/12	22:46:50.40			-7.4010	-13.1960				10.0					60.74	60.74	m i ke	BGR
OrigID 20612017																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	20612017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	60.74		P	22:57:03.652		208.7		7.26		TAS		7.3	1.13	m_e	mb	4.4

Event 20613004 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/13	20:57:22.71			-7.8530	-12.7190				20.1	1.4		20		58.90	64.58	m i ke	BGR
OrigID 20613010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20613010
Ms	4.4		BGR	20613010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	60.67		P	21:07:33.183		207.3		6.78		TAS		33.9	1.46	m_e	mb	5.0
AHRW	60.67		pP	21:07:38.372	-0.1	206.9		6.78		T__				m_e		
BBWF	61.75		P	21:07:39.653		207.3		6.78		TAS				m_e		
BFO	58.97		P	21:07:20.443	-0.3	207.3		6.78		TAS		22.7	1.18	m_e	mb	5.1
BFO	58.97		pP	21:07:26.033	-0.1	206.9		6.78		T__				m_e		
BRG	62.90		P	21:07:47.375	0.3	207.3		6.78		TAS		8.5	1.20	m_e	mb	4.8
BRG	62.90		pP	21:07:52.956	-0.1	206.9		6.78		T__				m_e		
BSEG	64.58		P	21:07:58.400		207.3		6.78		TAS		52.0	1.54	m_e	mb	5.5
CLL	62.99		P	21:07:47.582		207.3		6.78		TAS		25.4	1.92	m_e	mb	5.0
CLL	62.99		pP	21:07:52.977	-0.1	206.9		6.78		T__				m_e		
CLZ	62.71		P	21:07:45.886	-0.3	207.3		6.78		TAS		16.3	1.43	m_e	mb	5.0
CLZ	62.71		pP	21:07:51.755	-0.1	206.9		6.78		T__				m_e		
CRUX	61.72		P	21:07:39.362		207.3		6.78		TAS				m_e		
FBE	62.76		P	21:07:42.375	0.5	207.3		6.78		TAS				m_e		
FLT1	63.39		P	21:07:50.657		207.3		6.78		TAS		29.0	1.31	m_e	mb	5.2
FLT1	63.39		pP	21:07:56.156	-0.1	206.9		6.78		T__				m_e		
FUR	59.69		P	21:07:25.800	0.2	207.3		6.78		TAS		35.6	1.17	m_e	mb	5.3
FUR	59.69		pP	21:07:31.320	-0.1	206.9		6.78		T__				m_e		
GEC2	61.07		P	21:07:35.166	0.3	207.3		6.78		TAS		32.2	1.43	m_e	mb	5.0
GEC2	61.07		pP	21:07:40.971	-0.1	206.9		6.78		T__				m_e		
GOR1	63.99		P	21:07:55.171		207.3		6.78		TAS		46.7	1.30	m_e	mb	5.5
GOR1	63.99		pP	21:08:00.685	-0.1	206.9		6.78		T__				m_e		
GRA1	61.03		L	21:34:12.683						T__		246.1	19.10	a_e	Ms	4.4
GTTG	62.33		P	21:07:44.273	-0.2	207.3		6.78		TAS		24.9	1.22	m_e	mb	5.3
GTTG	62.33		pP	21:07:49.649	-0.1	206.9		6.78		T__				m_e		
GUNZ	61.96		P	21:07:41.193		207.3		6.78		TAS				m_e		
HKWD	62.35		P	21:07:43.664	-0.5	207.3		6.78		TAS				m_e		
HWTS	61.90		P	21:07:40.830		207.3		6.78		TAS				m_e		
IBBN	62.46		P	21:07:44.516	-0.1	207.3		6.78		TAS		34.6	1.51	m_e	mb	5.4
IBBN	62.46		pP	21:07:50.115	-0.1	206.9		6.78		T__				m_e		
KAST	61.62		P	21:07:38.312	-0.3	207.3		6.78		TAS		43.2	2.07	m_e	mb	5.3
KAST	61.62		pP	21:07:44.275	-0.1	206.9		6.78		T__				m_e		
MLFH	62.26		P	21:07:42.683	-0.1	207.3		6.78		TAS				m_e		
MODW	62.51		P	21:07:44.682	0.5	207.3		6.78		TAS				m_e		
MOX	61.99		P	21:07:40.996	-0.1	207.3		6.78		TAS		18.7	1.26	m_e	mb	5.2
MOX	61.99		pP	21:07:46.939	-0.1	206.9		6.78		T__				m_e		
MOX	61.99		L	21:35:40.045						T__		211.6	18.10	a_e	Ms	4.3
MULD	62.02		P	21:07:41.529		207.3		6.78		TAS				m_e		
NEUB	62.53		P	21:07:45.333	-0.5	207.3		6.78		TAS		15.6	0.89	m_e	mb	5.2
NEUB	62.53		pP	21:07:50.557	-0.1	206.9		6.78		T__				m_e		
NKC	61.88		P	21:07:40.887		207.3		6.78		TAS				m_e		
PLN	62.01		P	21:07:41.105	0.4	207.3		6.78		TAS		6.0	1.25	m_e	mb	4.7
PLN	62.01		pP	21:07:46.961	-0.1	206.9		6.78		T__				m_e		
STU	59.62		pP	21:07:30.677	-0.1	206.9		6.78		T__				m_e		

TANN	62.04	P	21:07:41.520	0.3	207.3	6.78	TAS	16.8	1.10	m_e	mb	5.2
TANN	62.04	pP	21:07:47.297	-0.1	206.9	6.78	T__			m_e		
TNS	60.73	P	21:07:32.734	-0.1	207.3	6.78	TAS	31.6	1.49	m_e	mb	4.9
TNS	60.73	pP	21:07:38.252	-0.1	206.9	6.78	T__			m_e		
UBR	58.90	P	21:07:20.228	-0.1	207.3	6.78	TAS	32.5	1.13	m_e	mb	5.3
UBR	58.90	pP	21:07:25.876	-0.1	206.9	6.78	T__			m_e		
WERN	61.91	P	21:07:40.814		207.3	6.78	TAS			m_e		
WET	61.06	P	21:07:35.187	-0.3	207.3	6.78	TAS	23.6	1.22	m_e	mb	4.9
WET	61.06	pP	21:07:40.709	-0.1	206.9	6.78	T__			m_e		
WLF	59.63	P	21:07:25.262		207.3	6.78	TAS	22.7	1.31	m_e	mb	5.0
WLF	59.63	pP	21:07:30.682	-0.1	206.9	6.78	T__			m_e		

Event 20614001 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/14	00:18:25.73			-7.7360	-12.1270				33.0			26		58.61	64.32	m i ke	BGR
OrigID 20614007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20614007
Ms	4.0		BGR	20614007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	60.41		P	00:28:34.020	0.0	206.7		6.80		TAS		51.1	1.50	m_e	mb	5.3
ASSE	62.78		P	00:28:50.092	0.2	206.7		6.80		TAS		52.8	1.74	m_e	mb	5.4
BFO	58.70		P	00:28:21.620		206.7		6.80		TAS		56.3	1.47	m_e	mb	5.4
BRG	62.61		P	00:28:48.632	-0.1	206.7		6.80		TAS		23.2	1.57	m_e	mb	5.1
BSEG	64.32		P	00:28:59.319	0.4	206.7		6.80		TAS		48.2	1.46	m_e	mb	5.5
BUG	61.30		P	00:28:39.761	-0.7	206.7		6.80		TAS		64.4	1.77	m_e	mb	5.2
CLL	62.70		P	00:28:49.393	-0.1	206.7		6.80		TAS		15.1	1.31	m_e	mb	5.0
CLZ	62.44		P	00:28:47.681	-0.0	206.7		6.80		TAS		23.2	1.42	m_e	mb	5.2
FLT1	63.11		P	00:28:52.131	0.7	206.7		6.80		TAS		43.8	1.37	m_e	mb	5.4
FUR	59.40		P	00:28:27.308		206.7		6.80		TAS		84.3	1.45	m_e	mb	5.6
GEC2	60.77		P	00:28:36.393	0.4	206.7		6.80		TAS		53.4	1.50	m_e	mb	5.2
GOR1	63.72		P	00:28:56.597	0.3	206.7		6.80		TAS		67.1	1.37	m_e	mb	5.7
GRA1	60.74		P	00:28:35.802	-0.4	206.7		6.80		TAS		47.5	1.59	m_e	mb	5.1
GRA1	60.74		L	00:55:24.657						T__		138.0	20.40	a_e	Ms	4.1
GTTG	62.06		P	00:28:45.721	0.2	206.7		6.80		TAS		248.4	2.48	m_e	mb	6.0
IBBN	62.21		P	00:28:46.070	0.1	206.7		6.80		TAS		53.3	1.56	m_e	mb	5.5
KAST	61.35		P	00:28:40.268	-0.1	206.7		6.80		TAS		43.2	1.85	m_e	mb	5.0
MOX	61.71		P	00:28:42.527	0.1	206.7		6.80		TAS		51.4	1.50	m_e	mb	5.5
MOX	61.71		L	00:55:13.890						T__		105.5	19.50	a_e	Ms	4.0
NEUB	62.24		P	00:28:45.640	0.4	206.7		6.80		TAS		80.8	1.67	m_e	mb	5.7
PLN	61.73		P	00:28:42.653	-0.1	206.7		6.80		TAS		20.5	1.67	m_e	mb	5.1
RUE	63.96		P	00:28:58.424	0.2	206.7		6.80		TAS		25.2	0.96	m_e	mb	5.4
STU	59.34		P	00:28:26.092	0.0	206.7		6.80		TAS		56.8	1.33	m_e	mb	5.4

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20615011
Ms	4.8		BGR	20615011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	41.02		P	06:14:03.667	0.9	110.5		8.41		TAS		62.9	1.53	m_e	mb	5.1
ASSE	39.44		P	06:13:49.122	-0.1	110.5		8.41		TAS		36.4	1.09	m_e	mb	4.9
BFO	39.61		P	06:13:52.850		110.5		8.41		TAS		19.2	0.73	m_e	mb	4.8
BRG	37.06		P	06:13:29.235	0.5	110.5		8.41		TAS		20.4	0.80	m_e	mb	4.9
BSEG	40.36		P	06:13:56.857	0.1	110.5		8.41		TAS		49.3	1.06	m_e	mb	5.1
BUG	41.18		P	06:14:04.018	-0.2	110.5		8.41		TAS		49.0	1.01	m_e	mb	5.2
CLL	37.78		P	06:13:35.105	-0.3	110.5		8.41		TAS		38.0	1.07	m_e	mb	5.0
CLZ	39.50		P	06:13:50.330	-0.5	110.5		8.41		TAS		53.1	0.81	m_e	mb	5.2
FLT1	39.20		P	06:13:47.250	0.1	110.5		8.41		TAS		127.2	1.27	m_e	mb	5.4
FUR	37.68		P	06:13:35.490		110.5		8.41		TAS				m_e		
GEC2	36.40		P	06:13:23.984	0.6	110.5		8.41		TAS		15.9	0.77	m_e	mb	4.9
GOR1	39.43		P	06:13:49.137	0.1	110.5		8.41		TAS		148.7	1.18	m_e	mb	5.5
GRA1	38.22		P	06:13:39.392	-0.4	110.5		8.41		TAS		8.9	0.83	m_e	mb	4.5
GRA1	38.22		L	06:32:12.707						T__		1662.3	20.90	a_e	Ms	4.8
GTTG	39.63		P	06:13:51.249	-0.6	110.5		8.41		TAS		57.8	1.23	m_e	mb	5.1
IBBN	41.17		P	06:14:04.014	-0.4	110.5		8.41		TAS		71.3	1.14	m_e	mb	5.3
KAST	40.42		P	06:13:57.954	-0.5	110.5		8.41		TAS		58.8	1.19	m_e	mb	5.1
MOX	38.33		P	06:13:40.076	-0.1	110.5		8.41		TAS		11.0	0.95	m_e	mb	4.6
MOX	38.33		L	06:32:03.120						T__		1272.3	22.00	a_e	Ms	4.7
NEUB	38.45		P	06:13:41.090	-0.4	110.5		8.41		TAS		32.8	0.88	m_e	mb	5.1
PLN	37.95		P	06:13:37.247	-0.5	110.5		8.41		TAS		3.5	0.77	m_e	mb	4.2
RGN	39.05		P	06:13:45.622	1.2	110.5		8.41		TAS		219.4	0.93	m_e	mb	5.8
RUE	37.85		P	06:13:35.715	-0.1	110.5		8.41		TAS		101.0	0.99	m_e	mb	5.5
TANN	37.74		P	06:13:36.479	-0.9	110.5		8.41		TAS		10.9	0.80	m_e	mb	4.6
TNS	40.09		P	06:13:54.844	-0.3	110.5		8.41		TAS		31.4	0.97	m_e	mb	4.9
UBR	38.28		P	06:13:40.214		110.5		8.41		TAS		105.3	0.87	m_e	mb	5.6
WET	37.02		P	06:13:28.762	1.9	110.5		8.41		TAS		22.5	0.89	m_e	mb	4.9
WLF	41.35		P	06:14:04.922	-0.8	110.5		8.41		TAS		47.6	0.76	m_e	mb	5.3

Event 20615004 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/15	11:56:32.00			44.4740	-130.2120				10.0					77.92	81.72	m i ke	USGS
				OrigID													
				20615022													

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20615010
Ms	5.2		BGR	20615010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	77.92		P	12:08:31.691		327.0		5.19		TAS		30.1	1.80	m_e	mb	5.1

BRG	79.95	P	12:08:42.859	327.0	5.19	TAS	17.6	1.65	m_e mb	4.7
GEC2	81.72	P	12:08:51.468	327.0	5.19	TAS	13.5	1.71	m_e mb	4.8
GRA1	80.25	L	12:43:38.407			T__	774.8	19.90	a_e Ms	5.0
MOX	79.51	L	12:46:18.325			T__	1234.2	18.60	a_e Ms	5.3

Event 20616002 North of Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/16	18:29:28.27			18.8610	-81.7210				33.0			20		74.49	79.48	m i ke	BGR
OrigID 20616008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20616008
Ms	4.2		BGR	20616008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.90		P	18:41:05.996	-0.0	284.6		5.58		TAS		16.1	1.03	m_e mb	5.0
ASSE	76.76		P	18:41:16.295	-0.1	284.6		5.58		TAS		15.5	1.06	m_e mb	5.1
BRG	79.06		P	18:41:28.686	0.1	284.6		5.58		TAS		12.3	1.06	m_e mb	4.9
BSEG	76.13		P	18:41:12.576	-0.4	284.6		5.58		TAS		17.2	1.24	m_e mb	5.0
BUG	74.85		P	18:41:04.965	-0.1	284.6		5.58		TAS		25.1	1.29	m_e mb	5.1
CLL	78.37		P	18:41:24.900	0.3	284.6		5.58		TAS		15.2	1.08	m_e mb	5.0
CLZ	76.64		P	18:41:15.745	0.0	284.6		5.58		TAS		20.4	1.18	m_e mb	5.1
FLT1	77.04		P	18:41:17.180	-0.1	284.6		5.58		TAS		12.1	1.04	m_e mb	5.0
GEC2	79.48		P	18:41:31.209		284.6		5.58		TAS		11.9	1.16	m_e mb	4.7
GRA1	77.69		L	19:10:38.905						T__		191.6	20.50	a_e Ms	4.4
GTTG	76.47		P	18:41:14.495	-0.2	284.6		5.58		TAS		15.9	0.83	m_e mb	5.2
IBBN	74.97		P	18:41:05.888	-0.4	284.6		5.58		TAS		24.3	1.13	m_e mb	5.1
KAST	75.60		P	18:41:09.447	-0.0	284.6		5.58		TAS		9.7	1.10	m_e mb	4.8
MOX	77.69		P	18:41:21.143	0.2	284.6		5.58		TAS		10.0	1.11	m_e mb	4.8
MOX	77.69		L	19:12:10.393						T__		79.1	19.80	a_e Ms	4.0
NEUB	77.65		P	18:41:21.026	0.0	284.6		5.58		TAS		29.4	1.18	m_e mb	5.3
PLN	78.07		P	18:41:23.314	-0.7	284.6		5.58		TAS		4.2	1.02	m_e mb	4.5
STU	76.63		P	18:41:14.523		284.6		5.58		TAS		34.5	1.35	m_e mb	5.3
TANN	78.27		P	18:41:24.504	0.5	284.6		5.58		TAS		15.6	1.17	m_e mb	5.0
TNS	75.83		P	18:41:11.176		284.6		5.58		TAS		16.3	1.21	m_e mb	5.0
UBR	77.48		P	18:41:20.509		284.6		5.58		TAS		10.2	1.29	m_e mb	4.8
WET	78.88		P	18:41:28.061		284.6		5.58		TAS		14.3	1.05	m_e mb	4.9
WLF	74.49		P	18:41:03.408		284.6		5.58		TAS		16.2	1.13	m_e mb	5.0

Event 20617001 Fiji Islands region

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

2022/06/17 05:21:28.97
20617007

-16.4030 -177.0470

33.0

146.04 146.04 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
GRA1	146.04		PKPbc	05:41:05.032		14.3		3.06		TAS					m_e

Event 20617003 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/17	09:22:50.88			34.8550	71.2620				200.0				28	43.80	48.88	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	5.8		BGR	20617009
MBB	5.9		BGR	20617009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	48.17		P	09:31:09.189	0.1	85.4		7.84		TAS		78.1	0.74	m_e	MBB 6.0
ASSE	45.79		P	09:30:49.778	-0.6	85.4		7.84		TAS		199.0	2.07	m_e	MBB 5.7
BFO	47.64		P	09:31:04.803	-0.3	85.4		7.84		TAS		37.5	1.11	m_e	MBB 5.6
BRG	43.80		P	09:30:34.866	-0.1	85.4		7.84		TAS		107.0	0.76	m_e	MBB 5.8
BSEG	45.95		P	09:30:51.451	0.7	85.4		7.84		TAS		175.6	0.79	m_e	MBB 6.2
BUG	47.95		P	09:31:07.116	-0.1	85.4		7.84		TAS		127.7	0.93	a_e	MBB 6.2
CLL	44.38		P	09:30:38.866	-0.6	85.4		7.84		TAS		67.8	0.82	a_e	MBB 5.5
CLZ	45.99		P	09:30:51.998	-0.0	85.4		7.84		TAS		105.0	0.89	m_e	MBB 6.0
FLT1	45.44		P	09:30:46.983	-0.5	85.4		7.84		TAS		240.3	0.67	m_e	MBB 6.3
FUR	45.71		P	09:30:50.673	0.7	85.4		7.84		TAS		240.3	1.53	m_e	MBB 6.1
GEC2	44.05		P	09:30:37.118	0.2	85.4		7.84		TAS		24.4	0.90	m_e	MBB 5.1
GOR1	45.38		P	09:30:46.904	0.1	85.4		7.84		TAS		169.2	1.12	m_e	MBB 6.2
GRA1	45.60		P	09:30:50.121	0.9	85.4		7.84		TAS		324.9	1.65	m_e	mb 6.1
GTTG	46.26		P	09:30:54.297	0.1	85.4		7.84		TAS		180.6	0.77	m_e	MBB 6.3
HLG	47.37		P	09:31:02.322	-0.1	85.4		7.84		TAS		273.7	0.89	m_e	MBB 6.5
IBBN	47.57		P	09:31:04.066	-0.4	85.4		7.84		TAS		193.4	0.77	a_e	MBB 6.4
KAST	47.26		P	09:31:01.641	-0.1	85.4		7.84		TAS		96.2	1.79	m_e	MBB 5.5
MOX	45.28		P	09:30:46.716	0.0	85.4		7.84		TAS		62.5	0.87	a_e	MBB 5.8
NEUB	45.15		P	09:30:45.316	-0.3	85.4		7.84		TAS		147.5	0.78	m_e	MBB 6.1
PLN	44.95		P	09:30:44.016	-0.1	85.4		7.84		TAS		17.6	0.83	a_e	MBB 5.2
RGN	44.19		P	09:30:37.282	0.7	85.4		7.84		TAS		467.8	0.98	m_e	MBB 6.3
RUE	43.88		P	09:30:34.612	-0.6	85.4		7.84		TAS		147.8	0.87	m_e	MBB 5.9
STU	47.02		P	09:31:00.466	-0.4	85.4		7.84		TAS		174.1	0.80	a_e	MBB 6.4
TANN	44.76		P	09:30:42.616	0.0	85.4		7.84		TAS		50.8	0.95	a_e	MBB 5.6
TNS	47.33		P	09:31:02.766	0.6	85.4		7.84		TAS		54.1	0.97	a_e	MBB 5.8
UBR	46.55		P	09:30:56.666	0.3	85.4		7.84		TAS		75.8	0.77	a_e	MBB 6.0
WET	44.57		P	09:30:40.963	-0.1	85.4		7.84		TAS		13.3	0.88	m_e	MBB 5.3

WLF 48.88 P 09:31:15.016 85.4 7.84 TAS 134.4 0.83 a_e MBB 6.1

Event 20617004 Leeward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/17	10:48:12.77		18.1000	-62.8120				40.1						66.12	66.12	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20617010
Ms	4.2		BGR	20617010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	66.12		P	10:58:55.824		266.6		6.95		TAS		14.9	1.29	m_e mb	5.1
GRA1	66.12		pP	10:59:06.931						T__				m_e	
GRA1	66.12		L	11:21:42.650						T__		168.5	22.00	a_e Ms	4.2

Event 20617005 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/17	12:25:15.81		36.2000	71.1200				85.9		1.2		19		42.86	47.96	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20617011
MBB	5.3		BGR	20617011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.23		P	12:33:40.327	-0.5	84.5		7.94		TAS		23.9	0.91	m_e MBB	5.8
AHRW	47.23		pP	12:34:01.015		84.0		8.00		TAS				m_e	
BFO	46.76		P	12:33:35.771		84.5		7.94		TAS		13.3	0.85	m_e MBB	5.3
BRG	42.86		P	12:33:05.499	0.1	84.5		7.94		TAS		32.5	0.72	m_e MBB	5.3
BRG	42.86		pP	12:33:26.111	0.1	84.0		8.00		TAS				m_e	
BUG	46.99		P	12:33:38.102	0.1	84.5		7.94		TAS		52.9	1.18	m_e MBB	5.6
BUG	46.99		pP	12:33:58.914		84.0		8.00		TAS				m_e	
CLL	43.43		P	12:33:09.564	0.0	84.5		7.94		TAS		21.0	0.98	m_e MBB	5.0
CLL	43.43		pP	12:33:30.167	0.2	84.0		8.00		TAS				m_e	
CLZ	45.03		P	12:33:22.736	0.1	84.5		7.94		TAS		45.1	1.03	m_e MBB	5.4
GEC2	43.16		P	12:33:07.830		84.5		7.94		TAS		10.9	1.11	m_e MBB	5.0
GEC2	43.16		pP	12:33:28.379	-0.3	84.0		8.00		TAS				m_e	
GTTG	45.31		P	12:33:25.086	-0.0	84.5		7.94		TAS		110.2	1.23	m_e MBB	5.7
IBBN	46.59		P	12:33:34.952	-0.1	84.5		7.94		TAS		112.1	1.28	m_e MBB	5.8
KAST	46.31		P	12:33:32.470	0.2	84.5		7.94		TAS		13.8	1.37	m_e MBB	5.1

KAST	46.31	pP	12:33:53.290		84.0	8.00	TAS							m_e	
MOX	44.35	P	12:33:17.454	0.1	84.5	7.94	TAS	22.5	1.07	m_e	MBB	5.1			
MOX	44.35	pP	12:33:38.028	-0.2	84.0	8.00	TAS			m_e					
NEUB	44.21	P	12:33:16.115	-0.0	84.5	7.94	TAS	59.2	1.08	m_e	MBB	5.3			
NEUB	44.21	pP	12:33:36.584	0.0	84.0	8.00	TAS			m_e					
PLN	44.02	P	12:33:14.667	0.2	84.5	7.94	TAS	4.2	0.87	m_e	MBB	4.5			
PLN	44.02	pP	12:33:35.515	0.1	84.0	8.00	TAS			m_e					
STU	46.12	P	12:33:31.471		84.5	7.94	TAS	64.5	1.21	m_e	mb	5.5			
STU	46.12	pP	12:33:52.169		84.0	8.00	TAS			m_e					
TANN	43.83	P	12:33:13.342		84.5	7.94	TAS	16.9	1.05	m_e	MBB	4.8			
TANN	43.83	pP	12:33:34.046	-0.1	84.0	8.00	TAS			m_e					
TNS	46.41	P	12:33:33.721		84.5	7.94	TAS	19.0	0.98	m_e	MBB	5.3			
TNS	46.41	pP	12:33:54.388		84.0	8.00	TAS			m_e					
UBR	45.68	P	12:33:27.703		84.5	7.94	TAS	27.5	0.98	m_e	MBB	5.4			
WET	43.67	P	12:33:11.829		84.5	7.94	TAS	16.3	1.56	m_e	MBB	4.9			
WET	43.67	pP	12:33:32.241	0.2	84.0	8.00	TAS			m_e					
WLF	47.96	P	12:33:46.222		84.5	7.94	TAS	49.1	1.02	m_e	MBB	5.7			

Event 20617006 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
2022/06/17	14:35:36.81			37.5840	141.7790				33.0			20		79.60	84.86	m i ke	BGR
20617012																	

Magnitude Err Nsta Author
mb 4.9 BGR

OrigID
20617012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.52		P	14:48:00.317	-0.0	37.4		5.21		TAS		24.1	1.76	m_e	mb 5.1
ASSE	80.91		P	14:47:46.464	-0.1	37.4		5.21		TAS		10.6	1.28	m_e	mb 4.7
BFO	84.86		P	14:48:06.987		37.4		5.21		TAS		16.1	1.05	m_e	mb 5.2
BRG	80.63		P	14:47:45.060	0.4	37.4		5.21		TAS		5.8	0.85	m_e	mb 4.6
BSEG	79.60		P	14:47:39.774	-0.4	37.4		5.21		TAS		18.3	1.03	m_e	mb 5.0
CLL	80.67		P	14:47:45.040	0.0	37.4		5.21		TAS		13.2	0.83	m_e	mb 5.0
CLZ	81.25		P	14:47:48.710	-0.1	37.4		5.21		TAS		15.4	1.11	a_e	mb 4.9
FLT1	80.54		P	14:47:44.210	-0.1	37.4		5.21		TAS		12.8	0.84	m_e	mb 5.0
GEC2	82.30		P	14:47:53.810		37.4		5.21		TAS		4.5	0.77	a_e	mb 4.7
GRA1	82.64		P	14:47:56.148		37.4		5.21		TAS		17.9	1.10	m_e	mb 5.2
GTTG	81.64		P	14:47:50.606	-0.0	37.4		5.21		TAS		15.4	1.12	m_e	mb 5.0
IBBN	81.82		P	14:47:51.358	-0.3	37.4		5.21		TAS		17.3	0.91	m_e	mb 5.2
KAST	82.49		P	14:47:54.742	0.0	37.4		5.21		TAS		4.3	0.86	m_e	mb 4.7
MOX	81.73		P	14:47:50.845	-0.0	37.4		5.21		TAS		18.3	1.61	m_e	mb 5.0
NEUB	81.24		P	14:47:48.160	0.5	37.4		5.21		TAS		21.3	1.06	a_e	mb 5.1
STU	84.17		P	14:48:03.589		37.4		5.21		TAS		26.8	0.78	m_e	mb 5.5
TANN	81.58		P	14:47:50.086	-0.3	37.4		5.21		TAS		3.7	0.99	m_e	mb 4.5
TNS	83.27		P	14:47:58.975		37.4		5.21		TAS		3.9	0.68	m_e	mb 4.8

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UBR	84.69	P	14:48:06.021	37.4	5.21	TAS	4.9	0.96	m_e mb	4.7
WET	82.41	P	14:47:54.825	37.4	5.21	TAS	6.4	1.06	m_e mb	4.8

Event 20617007 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/17	22:23:00.98		53.2000	158.9150					33.0			25		68.78	75.93	m i ke	BGR
OrigID 20617013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20617013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.82		P	22:34:30.721	0.1	19.5		5.88		TAS		8.1	0.77	m_e mb	4.8
ASSE	71.60		P	22:34:17.730	-0.2	19.5		5.88		TAS		19.5	1.13	a_e mb	5.1
BFO	75.68		P	22:34:41.277		19.5		5.88		TAS		15.9	1.24	m_e mb	5.0
BRG	72.07		P	22:34:20.176	0.1	19.5		5.88		TAS		9.0	1.03	m_e mb	4.8
BSEG	69.97		P	22:34:08.102	0.0	19.5		5.88		TAS		18.1	1.08	m_e mb	5.1
BUG	72.92		P	22:34:25.213	-0.2	19.5		5.88		TAS		18.9	0.98	m_e mb	5.2
CLL	71.88		P	22:34:18.945	-0.3	19.5		5.88		TAS		22.7	0.89	m_e mb	5.3
CLZ	71.93		P	22:34:20.098	-0.4	19.5		5.88		TAS		27.1	0.97	m_e mb	5.3
FLT1	71.30		P	22:34:15.364	0.2	19.5		5.88		TAS		17.4	0.96	m_e mb	5.2
GEC2	74.02		P	22:34:32.052	-0.2	19.5		5.88		TAS		10.6	1.04	m_e mb	4.8
GRA1	73.79		P	22:34:31.105	-0.2	19.5		5.88		TAS		25.7	0.94	m_e mb	5.2
GTTG	72.30		P	22:34:21.953	0.2	19.5		5.88		TAS		14.6	1.13	m_e mb	5.0
IBBN	72.00		P	22:34:20.047	0.4	19.5		5.88		TAS		19.6	0.61	m_e mb	5.4
KAST	72.93		P	22:34:25.693	-0.0	19.5		5.88		TAS		8.1	0.75	m_e mb	4.9
MOX	72.80		P	22:34:24.791	0.1	19.5		5.88		TAS		10.9	0.90	m_e mb	5.0
NEUB	72.25		P	22:34:21.316	0.1	19.5		5.88		TAS		14.3	0.97	m_e mb	5.1
PLN	72.84		P	22:34:25.021	0.1	19.5		5.88		TAS		3.8	0.91	m_e mb	4.5
RGN	68.78		P	22:34:01.070	-0.0	19.5		5.88		TAS		46.6	0.80	m_e mb	5.8
RUE	70.61		P	22:34:11.933	0.0	19.5		5.88		TAS		30.5	0.79	m_e mb	5.5
STU	75.09		P	22:34:38.044		19.5		5.88		TAS		81.6	1.59	m_e mb	5.5
TANN	72.83		P	22:34:25.080	0.5	19.5		5.88		TAS		9.2	1.25	a_e mb	4.8
TNS	73.86		P	22:34:31.090	0.5	19.5		5.88		TAS		7.7	0.70	m_e mb	4.8
UBR	75.93		P	22:34:42.980		19.5		5.88		TAS		11.5	0.95	a_e mb	5.0
WET	73.93		P	22:34:31.885	-0.5	19.5		5.88		TAS		13.0	0.90	m_e mb	5.0
WLF	74.83		P	22:34:36.677	0.1	19.5		5.88		TAS		13.3	1.31	m_e mb	4.8

Event 20618001 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/18	02:49:51.00		-32.1500	-177.7090					10.0					161.18	161.18	m i ke	USGS
OrigID																	

20618019

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	20618007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	161.18		PKPab	03:10:36.428		24.2		4.10		TAS				m_e	
GRA1	161.18		L	04:30:37.301						T__		391.3	18.20	a_e Ms	5.3

Event 20618002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/18	05:25:54.09			-21.2700	170.2500				119.0	3.4		20		144.95	149.30	m i ke	BGR

OrigID 20618008

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.31		PKPbc	05:45:16.909	-0.1	36.7		2.94		TAS				a_e	
BFO	149.30		PKPbc	05:45:28.211		36.7		2.94		TAS				m_e	
BFO	149.30		PKPab	05:45:32.400						T__				m_e	
BRG	145.06		PKPbc	05:45:16.151	0.3	36.7		2.94		TAS				m_e	
CLL	145.10		PKPbc	05:45:16.066	0.4	36.7		2.94		TAS				m_e	
CLZ	145.65		PKPbc	05:45:18.426	0.1	36.7		2.94		TAS				m_e	
CLZ	145.65		pPKPbc	05:45:49.366		35.2		2.99		TAS				m_e	
CLZ	145.65		sPKPbc	05:46:03.651		37.8		2.91		TAS				m_e	
FLT1	144.95		PKPbc	05:45:15.350	0.1	36.7		2.94		TAS				m_e	
GEC2	146.69		PKPbc	05:45:21.447	-0.5	36.7		2.94		TAS				m_e	
GEC2	146.69		pPKPbc	05:45:52.754		35.2		2.99		TAS				m_e	
GEC2	146.69		sPKPbc	05:46:06.532		37.8		2.91		TAS				m_e	
GRA1	147.08		PKPbc	05:45:22.695		36.7		2.94		TAS				m_e	
GTTG	146.04		PKPbc	05:45:19.664	0.4	36.7		2.94		TAS				m_e	
GTTG	146.04		pPKPbc	05:45:50.863		35.2		2.99		TAS				m_e	
GTTG	146.04		sPKPbc	05:46:04.984		37.8		2.91		TAS				m_e	
IBBN	146.12		PKPbc	05:45:19.590	0.0	36.7		2.94		TAS				m_e	
IBBN	146.12		pPKPbc	05:45:50.745		35.2		2.99		TAS				m_e	
IBBN	146.12		sPKPbc	05:46:05.114		37.8		2.91		TAS				m_e	
KAST	146.86		PKPbc	05:45:21.751		36.7		2.94		TAS				m_e	
MOX	146.17		pPKPbc	05:45:50.960		35.2		2.99		TAS				m_e	
MOX	146.17		sPKPbc	05:46:04.984		37.8		2.91		TAS				m_e	
NEUB	145.67		PKPbc	05:45:18.231	0.3	36.7		2.94		TAS				m_e	
NEUB	145.67		pPKPbc	05:45:49.364		35.2		2.99		TAS				m_e	
NEUB	145.67		sPKPbc	05:46:03.331		37.8		2.91		TAS				m_e	
PLN	146.08		PKPbc	05:45:19.594	0.2	36.7		2.94		TAS				m_e	
PLN	146.08		pPKPbc	05:45:50.843		35.2		2.99		TAS				m_e	
PLN	146.08		sPKPbc	05:46:04.746		37.8		2.91		TAS				m_e	

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STU	148.61	PKPbc	05:45:26.760		36.7	2.94	TAS	m_e
TANN	146.02	PKPbc	05:45:19.459	0.0	36.7	2.94	TAS	m_e
TANN	146.02	pPKPbc	05:45:50.679		35.2	2.99	TAS	m_e
TANN	146.02	sPKPbc	05:46:04.541		37.8	2.91	TAS	m_e
TNS	147.68	PKPbc	05:45:24.302		36.7	2.94	TAS	m_e
UBR	149.12	PKPbc	05:45:27.850		36.7	2.94	TAS	m_e
WET	146.82	PKPbc	05:45:21.887	-0.6	36.7	2.94	TAS	m_e
WET	146.82	pPKPbc	05:45:53.328		35.2	2.99	TAS	m_e
WLF	148.92	PKPbc	05:45:28.126		36.7	2.94	TAS	m_e

Event 20618003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/18	06:28:38.50			-20.0090	170.8430				600.0			12		143.99	148.36	m i ke	BGR
20618009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.36		PKPbc	06:47:18.491		36.0		2.85		TAS					m_e
BRG	144.17		PKPbc	06:47:06.406	0.7	36.0		2.85		TAS					m_e
CLL	144.19		PKPbc	06:47:06.296	0.1	36.0		2.85		TAS					m_e
CLZ	144.69		PKPbc	06:47:08.650	-0.3	36.0		2.85		TAS					m_e
FLT1	143.99		PKPbc	06:47:05.681	0.2	36.0		2.85		TAS					m_e
GEC2	145.83		PKPbc	06:47:11.660		36.0		2.85		TAS					m_e
IBBN	145.11		PKPbc	06:47:09.902		36.0		2.85		TAS					m_e
MOX	145.24		PKPbc	06:47:10.438		36.0		2.85		TAS					m_e
NEUB	144.74		PKPbc	06:47:08.537	-0.2	36.0		2.85		TAS					m_e
TANN	145.11		PKPbc	06:47:09.627		36.0		2.85		TAS					m_e
UBR	148.23		PKPbc	06:47:17.955		36.0		2.85		TAS					m_e
WET	145.94		PKPbc	06:47:12.039		36.0		2.85		TAS					m_e

Event 20618004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/18	06:37:09.49			-17.0950	-177.7420				600.0			22		142.62	148.73	m i ke	BGR
20618010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.36		PKPbc	06:55:48.181		15.7		2.80		TAS					m_e
BRG	144.94		PKPbc	06:55:39.225	0.3	15.7		2.80		TAS					m_e

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BSEG	142.62	PKPbc	06:55:31.892	-0.4	15.7	2.80	TAS	m_e
CLL	144.72	PKPbc	06:55:38.457	0.2	15.7	2.80	TAS	m_e
CLZ	144.65	PKPbc	06:55:38.645	0.2	15.7	2.80	TAS	m_e
FLT1	144.05	PKPbc	06:55:36.261	0.1	15.7	2.80	TAS	m_e
GEC2	146.91	PKPbc	06:55:44.543		15.7	2.80	TAS	m_e
GOR1	143.40	PKPbc	06:55:34.622	-0.0	15.7	2.80	TAS	m_e
GRA1	146.60	PKPbc	06:55:44.017		15.7	2.80	TAS	m_e
GTTG	145.00	PKPbc	06:55:39.624	0.1	15.7	2.80	TAS	m_e
IBBN	144.51	PKPbc	06:55:38.056	0.4	15.7	2.80	TAS	m_e
KAST	145.53	PKPbc	06:55:40.941	0.3	15.7	2.80	TAS	m_e
MOX	145.61	PKPbc	06:55:41.048	0.4	15.7	2.80	TAS	m_e
NEUB	145.06	PKPbc	06:55:39.514	0.2	15.7	2.80	TAS	m_e
PLN	145.67	PKPbc	06:55:41.267	-0.1	15.7	2.80	TAS	m_e
RUE	143.46	PKPbc	06:55:34.498	0.4	15.7	2.80	TAS	m_e
STU	147.81	PKPbc	06:55:47.026		15.7	2.80	TAS	m_e
TANN	145.68	PKPbc	06:55:41.410	-0.1	15.7	2.80	TAS	m_e
TNS	146.49	PKPbc	06:55:43.648	-0.5	15.7	2.80	TAS	m_e
UBR	148.73	PKPbc	06:55:49.006		15.7	2.80	TAS	m_e
WET	146.80	PKPbc	06:55:44.228		15.7	2.80	TAS	m_e
WLF	147.26	PKPbc	06:55:46.239	-0.6	15.7	2.80	TAS	m_e

Event 20618005 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/18	11:22:18.00			-4.9530	102.9750			62.7				20		93.22	97.42	m i ke	USGS
	20618023																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	96.79		Pdiff	11:35:42.881						T__				m_e	
BRG	93.22		Pdiff	11:35:27.359	0.5					T__				m_e	
BSEG	95.55		Pdiff	11:35:37.702	0.1					T__				m_e	
BUG	97.42		Pdiff	11:35:45.841	0.0					T__				m_e	
CLL	93.83		Pdiff	11:35:29.602	0.1					T__				m_e	
CLZ	95.49		Pdiff	11:35:37.390	0.1					T__				m_e	
FLT1	94.97		Pdiff	11:35:34.253	-0.4					T__				m_e	
GEC2	93.24		Pdiff	11:35:27.521						T__				m_e	
GRA1	94.90		Pdiff	11:35:35.314						T__				m_e	
GTTG	95.74		Pdiff	11:35:38.526	0.1					T__				m_e	
IBBN	97.10		Pdiff	11:35:44.607	-0.1					T__				m_e	
KAST	96.71		Pdiff	11:35:42.810	0.1					T__				m_e	
MOX	94.68		Pdiff	11:35:33.772	0.1					T__				m_e	
NEUB	94.60		Pdiff	11:35:33.456	0.4					T__				m_e	
PLN	94.33		Pdiff	11:35:32.289	-0.3					T__				m_e	
RUE	93.42		Pdiff	11:35:28.135	0.1					T__				m_e	

TANN	94.13	Pdiff	11:35:31.425	-0.3	T__	m_e
TNS	96.70	Pdiff	11:35:43.112		T__	m_e
UBR	95.59	Pdiff	11:35:37.693		T__	m_e
WET	93.80	Pdiff	11:35:30.047		T__	m_e

Event 20618006 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/18	16:45:20.48			29.3390	51.9320				33.0					36.81	36.81	m i ke	BGR
OrigID 20618012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	20618012
Ms	3.9		BGR	20618012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	36.81		P	16:52:25.248		112.2		9.30		TAS		8.2	1.00	m_e mb	4.4
GRA1	36.81		L	17:10:55.798						T__		211.2	20.50	a_e Ms	3.9

Event 20619002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/06/19	04:29:28.04			-18.4860	-174.3260				33.0					14	144.35	148.94	m i ke	BGR
OrigID 20619008																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.11		PKPbc	04:49:05.018	0.0	10.1		2.73		TAS				m_e	
BRG	146.94		PKPbc	04:49:07.233		10.1		2.73		TAS				m_e	
BSEG	144.35		PKPbc	04:48:59.835	0.1	10.1		2.73		TAS				m_e	
BUG	147.00		PKPbc	04:49:07.396	0.2	10.1		2.73		TAS				m_e	
CLL	146.65		PKPbc	04:49:06.380	0.0	10.1		2.73		TAS				m_e	
CLZ	146.42		PKPbc	04:49:06.065	0.1	10.1		2.73		TAS				m_e	
FLT1	145.85		PKPbc	04:49:03.992	0.1	10.1		2.73		TAS				m_e	
GEC2	148.94		PKPbc	04:49:12.299		10.1		2.73		TAS				m_e	
KAST	147.19		PKPbc	04:49:07.994	-0.4	10.1		2.73		TAS				m_e	
MOX	147.47		PKPbc	04:49:08.662		10.1		2.73		TAS				m_e	
NEUB	146.92		PKPbc	04:49:07.194		10.1		2.73		TAS				m_e	
PLN	147.57		PKPbc	04:49:08.949		10.1		2.73		TAS				m_e	
TANN	147.60		PKPbc	04:49:09.097		10.1		2.73		TAS				m_e	
TNS	148.16		PKPbc	04:49:10.640		10.1		2.73		TAS				m_e	

Event 20619003 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/19	06:08:14.54			38.1230	137.7280				33.0			26		76.02	82.79	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	20619009
MBB	5.9		BGR	20619009
Ms	4.6		BGR	20619009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.53		P	06:20:27.523	0.1	39.9		5.37		TAS		84.6	0.98	a_e	MBB 6.1
ASSE	78.89		P	06:20:13.262	0.1	39.9		5.37		TAS		28.7	1.09	m_e	MBB 5.7
BFO	82.79		P	06:20:34.023		39.9		5.37		TAS		124.8	0.96	m_e	MBB 6.3
BRG	78.50		P	06:20:11.173	0.0	39.9		5.37		TAS		41.2	0.80	a_e	MBB 5.8
BSEG	77.63		P	06:20:06.623	0.2	39.9		5.37		TAS		71.9	1.04	a_e	MBB 6.1
BUG	80.74		P	06:20:22.973	0.1	39.9		5.37		TAS		65.7	1.02	a_e	MBB 5.8
CLL	78.57		P	06:20:11.356	-0.1	39.9		5.37		TAS		89.9	0.83	m_e	MBB 6.0
CLZ	79.22		P	06:20:15.473	-0.2	39.9		5.37		TAS		67.6	0.99	a_e	MBB 5.9
FLT1	78.51		P	06:20:10.806	0.3	39.9		5.37		TAS		66.6	1.01	m_e	MBB 6.0
GEC2	80.12		P	06:20:19.863	-0.3	39.9		5.37		TAS		39.7	0.95	m_e	MBB 5.5
GOR1	77.98		P	06:20:08.601	-0.1	39.9		5.37		TAS		95.8	1.23	m_e	MBB 6.0
GRA1	80.54		P	06:20:22.773	-0.1	39.9		5.37		TAS		155.1	0.93	a_e	MBB 6.2
GRA1	80.54		L	06:57:57.616						T__		222.0	20.00	a_e	Ms 4.5
GTTG	79.62		P	06:20:17.373	-0.3	39.9		5.37		TAS		57.2	1.00	a_e	MBB 5.6
IBBN	79.87		P	06:20:18.584	-0.0	39.9		5.37		TAS		102.8	0.81	m_e	MBB 6.0
KAST	80.49		P	06:20:21.973	-0.1	39.9		5.37		TAS		41.1	0.96	a_e	MBB 5.7
MOX	79.64		P	06:20:17.473	0.1	39.9		5.37		TAS		65.5	1.26	a_e	MBB 5.6
MOX	79.64		L	07:03:01.724						T__		292.3	18.60	a_e	Ms 4.7
NEUB	79.16		P	06:20:14.720	0.1	39.9		5.37		TAS		74.6	0.91	m_e	MBB 6.0
PLN	79.54		P	06:20:16.973	0.1	39.9		5.37		TAS		13.7	1.08	m_e	MBB 5.2
RGN	76.02		P	06:19:57.623	-0.2	39.9		5.37		TAS		265.0	1.23	m_e	MBB 6.4
RUE	77.38		P	06:20:05.123	-0.5	39.9		5.37		TAS		80.8	1.06	a_e	MBB 6.3
STU	82.09		P	06:20:30.490	-0.4	39.9		5.37		TAS		255.8	0.92	m_e	MBB 6.5
TANN	79.47		P	06:20:16.533	0.1	39.9		5.37		TAS		28.6	1.07	m_e	MBB 5.5
TNS	81.25		P	06:20:26.073	0.6	39.9		5.37		TAS		50.7	0.95	a_e	MBB 5.7
UBR	82.56		P	06:20:32.635		39.9		5.37		TAS		494.4	2.71	m_e	MBB 6.1
WET	80.25		P	06:20:20.973	-0.1	39.9		5.37		TAS		59.6	1.07	a_e	MBB 5.6
WLF	82.59		P	06:20:33.273	0.3	39.9		5.37		TAS		30.9	1.06	a_e	MBB 6.1

Event 20619004 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/06/19 09:55:22.32 27.1060 127.0640 25.6 6 84.64 84.64 m i ke BGR
 20619010

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 20619010
 Ms 5.8 BGR 20619010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.64		S	10:18:16.852						T__				m_e	
GRA1	84.64		SS	10:24:03.920						T__				m_e	
GRA1	84.64		P	10:07:53.178		61.1		4.93		TAS		30.4	1.50	m_e mb	5.3
GRA1	84.64		pP	10:08:00.626		61.5		4.90		T__				m_e	
GRA1	84.64		PP	10:11:09.993		55.1		7.29		TAS				m_e	
GRA1	84.64		L	10:48:27.405						T__		4128.7	20.50	a_e Ms	5.8

Event 20619005 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/19 11:49:20.00 -20.3490 -174.8100 39.1 5 150.24 150.24 m i ke USGS
 20619023

Magnitude Err Nsta Author OrigID
 Ms 4.5 BGR 20619011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.24		PKPdf	12:09:07.488		3.7		1.59		TAS				m_e	
GRA1	150.24		L	13:15:41.060						T__		95.2	21.90	a_e Ms	4.5

Event 20619007 Near coast of Guatemala
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/19 17:57:32.01 13.6840 -90.4270 35.8 87.04 87.04 m i ke BGR
 20619013

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 20619013
 Ms 4.6 BGR 20619013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	87.04		P	18:10:13.610		278.0		5.24		TAS		9.9	1.20	m_e mb	4.8
GRA1	87.04		pP	18:10:24.057		277.5		5.33		TAS				m_e	
GRA1	87.04		L	18:47:50.061						T__		232.4	21.00	a_e Ms	4.6

Event 20619008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/19	20:26:27.01			44.7800	147.7850				33.0			16		75.07	80.58	m i ke	BGR
OrigID 20619014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20619014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.53		P	20:38:12.540	-0.2	29.9		5.53		TAS				a_e	
BFO	80.58		P	20:38:34.563		29.9		5.53		TAS		4.4	0.82	m_e mb	4.5
BRG	76.56		P	20:38:12.590	-0.5	29.9		5.53		TAS		15.4	0.99	a_e mb	5.1
BSEG	75.07		P	20:38:04.518	0.1	29.9		5.53		TAS		34.3	0.97	m_e mb	5.3
CLL	76.50		P	20:38:12.128	0.5	29.9		5.53		TAS		51.3	0.99	m_e mb	5.6
CLZ	76.87		P	20:38:14.976	-0.2	29.9		5.53		TAS		13.8	0.63	m_e mb	5.2
FLT1	76.18		P	20:38:10.279	0.1	29.9		5.53		TAS		48.4	1.08	m_e mb	5.5
GEC2	78.37		P	20:38:22.852		29.9		5.53		TAS		3.8	0.59	m_e mb	4.6
GOR1	75.59		P	20:38:07.640	-0.4	29.9		5.53		TAS				a_e	
GRA1	78.47		P	20:38:23.890		29.9		5.53		TAS		85.9	1.36	a_e mb	5.6
IBBN	77.24		P	20:38:16.525	-0.4	29.9		5.53		TAS		13.0	0.56	m_e mb	5.3
KAST	78.02		P	20:38:20.961	0.5	29.9		5.53		TAS		9.9	1.02	m_e mb	4.9
MOX	77.52		P	20:38:18.090		29.9		5.53		TAS		23.7	1.21	m_e mb	5.2
NEUB	76.99		P	20:38:15.064	0.0	29.9		5.53		TAS		36.1	1.07	m_e mb	5.4
TANN	77.44		P	20:38:17.690		29.9		5.53		TAS		10.0	1.17	a_e mb	4.8
WET	78.40		P	20:38:23.440		29.9		5.53		TAS		22.5	1.20	a_e mb	5.1

Event 20619009 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/19	23:24:34.98			35.2410	27.0990				66.0	1.0		22		16.80	22.07	m i ke	BGR
OrigID 20619015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	20619015
Ms	4.0		BGR	20619015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.08		P	23:29:13.258	-0.5	135.3		10.96		TAS		74.2	0.95	m_e mb	5.0
ASSE	20.55		P	23:29:07.984	0.0	135.3		10.96		TAS		29.5	1.23	m_e mb	4.5
BFO	19.08		P	23:28:51.656	0.6	135.3		10.96		TAS		60.1	1.47	m_e mb	4.6
BRG	18.29		P	23:28:43.400	0.7	135.3		10.96		TAS		25.1	1.16	m_e mb	4.2

BSEG	22.07	P	23:29:23.278		135.3	10.96	TAS	9.8	1.08	m_e	mb	4.2
CLL	19.00	P	23:28:51.521	0.9	135.3	10.96	TAS	82.3	1.35	m_e	mb	4.8
CLZ	20.46	P	23:29:07.350	-0.1	135.3	10.96	TAS	38.7	1.22	m_e	mb	4.5
FLT1	20.48	P	23:29:06.905	-0.2	135.3	10.96	TAS	20.1	1.04	m_e	mb	4.3
GEC2	16.80	P	23:28:26.374	-1.1	135.3	10.96	TAS	49.7	1.16	m_e	mb	4.5
GEC2	16.80	pP	23:28:39.984				T__				m_e	
GRA1	18.53	S	23:32:29.556				T__				m_e	
GRA1	18.53	P	23:28:45.986	-0.6	135.3	10.96	TAS	137.8	1.43	m_e	mb	5.0
GRA1	18.53	pP	23:28:59.877				T__				m_e	
GRA1	18.53	L	23:37:48.245				T__	629.2	18.30	a_e	Ms	3.9
GTTG	20.42	P	23:29:07.509	-0.0	135.3	10.96	TAS	86.8	0.97	m_e	mb	5.0
IBBN	21.92	P	23:29:23.655		135.3	10.96	TAS	22.2	1.00	m_e	mb	4.5
KAST	20.87	P	23:29:12.209	0.4	135.3	10.96	TAS	28.6	1.08	m_e	mb	4.5
MOX	19.05	S	23:32:39.209				T__				m_e	
MOX	19.05	P	23:28:51.953	-0.1	135.3	10.96	TAS	40.0	1.12	m_e	mb	4.5
MOX	19.05	L	23:37:37.736				T__	658.4	19.40	a_e	Ms	4.0
NEUB	19.40	P	23:28:56.420	0.8	135.3	10.96	TAS	47.2	1.06	m_e	mb	4.7
PLN	18.70	P	23:28:49.137	1.0	135.3	10.96	TAS	19.3	1.01	m_e	mb	4.3
STU	18.90	P	23:28:50.701	0.8	135.3	10.96	TAS	79.3	1.02	m_e	mb	4.9
TANN	18.52	P	23:28:46.017	-0.1	135.3	10.96	TAS	16.3	1.11	m_e	mb	4.2
TNS	20.20	P	23:29:03.640	0.4	135.3	10.96	TAS	57.0	1.14	m_e	mb	4.7
UBR	17.74	P	23:28:37.098	0.4	135.3	10.96	TAS	49.7	0.95	m_e	mb	4.6
WET	17.39	P	23:28:32.609	-1.4	135.3	10.96	TAS	32.3	0.94	m_e	mb	4.4
WLF	21.03	P	23:29:13.017	-0.1	135.3	10.96	TAS	38.3	0.91	m_e	mb	4.7

Event 20620001 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/20	01:05:07.83			23.1240	121.7010				15.2	1.0		24		82.15	87.72	m i ke	BGR
20620007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20620007
MBB	6.3		BGR	20620007
Ms	6.1		BGR	20620007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.74		P	01:17:50.751		59.9		5.03		TAS		46.3	1.45	m_e	MBB 6.3
ASSE	83.98		P	01:17:36.697	-0.0	59.9		5.03		TAS		17.8	1.14	m_e	MBB 6.3
BFO	87.25		P	01:17:52.614		59.9		5.03		TAS		77.7	2.03	m_e	MBB 6.1
BFO	87.25		PP	01:21:19.918		60.8		7.88		TAS					m_e
BRG	82.82		P	01:17:30.698	-0.3	59.9		5.03		TAS		49.2	1.78	m_e	MBB 6.3
BRG	82.82		PP	01:20:44.401	-0.1	60.8		7.88		TAS					m_e
BSEG	83.25		P	01:17:32.885	-0.0	59.9		5.03		TAS		26.6	1.46	m_e	MBB 6.4
BSEG	83.25		pP	01:17:37.238	-0.1	59.5		5.06		TAS					m_e
BSEG	83.25		PP	01:20:46.962	-1.4	60.8		7.88		TAS					m_e

BUG	86.14	P	01:17:47.414	0.2	59.9	5.03	TAS	60.4	1.23	m_e	MBB	6.2
BUG	86.14	pP	01:17:51.821		59.5	5.06	TAS			m_e		
CLL	83.13	P	01:17:32.155	-0.1	59.9	5.03	TAS	45.0	1.31	m_e	MBB	6.4
CLL	83.13	pP	01:17:36.468	0.1	59.5	5.06	TAS			m_e		
CLL	83.13	PP	01:20:44.744	-0.3	60.8	7.88	TAS			m_e		
CLZ	84.29	P	01:17:38.684	0.3	59.9	5.03	TAS	43.7	1.21	m_e	MBB	6.4
CLZ	84.29	PP	01:20:56.289		60.8	7.88	TAS			m_e		
FLT1	83.58	P	01:17:34.150	-0.0	59.9	5.03	TAS	25.8	1.21	m_e	MBB	6.4
FLT1	83.58	pP	01:17:38.728	0.6	59.5	5.06	TAS			m_e		
FLT1	83.58	PP	01:20:49.452	0.4	60.8	7.88	TAS			m_e		
GEC2	83.92	P	01:17:36.549	-0.0	59.9	5.03	TAS	32.5	1.12	m_e	MBB	6.3
GRA1	84.92	S	01:28:16.005	0.4			T__			m_e		
GRA1	84.92	SS	01:33:58.880				T__			m_e		
GRA1	84.92	P	01:17:41.689	0.1	59.9	5.03	TAS	66.0	1.41	m_e	mb	5.7
GRA1	84.92	pP	01:17:46.396		59.5	5.06	TAS			m_e		
GRA1	84.92	PP	01:21:00.995		60.8	7.88	TAS			m_e		
GRA1	84.92	L	01:57:28.752				T__	6414.2	19.00	a_e	Ms	6.0
GTTG	84.66	P	01:17:40.328	-0.1	59.9	5.03	TAS	76.5	1.55	m_e	MBB	6.3
GTTG	84.66	PP	01:20:57.267		60.8	7.88	TAS			m_e		
IBBN	85.42	P	01:17:43.981	-0.2	59.9	5.03	TAS	72.7	1.35	m_e	MBB	6.4
IBBN	85.42	pP	01:17:48.319		59.5	5.06	TAS			m_e		
IBBN	85.42	PP	01:21:06.173		60.8	7.88	TAS			m_e		
KAST	85.67	P	01:17:45.304	-0.1	59.9	5.03	TAS	31.4	1.38	m_e	MBB	6.2
KAST	85.67	pP	01:17:49.659		59.5	5.06	TAS			m_e		
KAST	85.67	PP	01:21:06.753		60.8	7.88	TAS			m_e		
MOX	84.22	S	01:28:09.467	0.4			T__			m_e		
MOX	84.22	SS	01:33:46.196				T__			m_e		
MOX	84.22	P	01:17:37.866	0.4	59.9	5.03	TAS	50.4	1.51	m_e	MBB	6.4
MOX	84.22	pP	01:17:42.158		59.5	5.06	TAS			m_e		
MOX	84.22	L	02:00:01.959				T__	10200.7	18.00	a_e	Ms	6.2
NEUB	83.86	P	01:17:36.062	0.2	59.9	5.03	TAS	46.0	1.19	m_e	MBB	6.4
NEUB	83.86	pP	01:17:40.557	0.1	59.5	5.06	TAS			m_e		
PLN	84.00	P	01:17:36.735	0.4	59.9	5.03	TAS	21.0	1.53	m_e	MBB	5.9
PLN	84.00	pP	01:17:41.161	0.0	59.5	5.06	TAS			m_e		
RUE	82.15	P	01:17:27.464	-0.1	59.9	5.03	TAS	44.7	1.14	m_e	MBB	6.5
STU	86.53	P	01:17:49.283	0.1	59.9	5.03	TAS	62.3	1.32	m_e	MBB	6.5
STU	86.53	pP	01:17:53.581		59.5	5.06	TAS			m_e		
TANN	83.86	P	01:17:36.084	0.0	59.9	5.03	TAS	38.0	1.46	m_e	MBB	6.3
TNS	86.17	P	01:17:47.834	-0.5	59.9	5.03	TAS	35.9	1.38	m_e	MBB	6.2
TNS	86.17	PP	01:21:10.629		60.8	7.88	TAS			m_e		
UBR	86.58	P	01:17:49.609		59.9	5.03	TAS	56.6	1.46	m_e	MBB	6.2
WET	84.24	P	01:17:38.384	0.2	59.9	5.03	TAS	36.4	1.38	m_e	MBB	6.3
WLF	87.72	P	01:17:55.618		59.9	5.03	TAS	81.1	1.28	m_e	MBB	6.4
WLF	87.72	pP	01:17:59.935		59.5	5.06	TAS			m_e		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/20	01:31:36.59			37.8800	137.9190				15.5			25		76.30	83.08	m i ke	BGR
OrigID 20620008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20620008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.82		P	01:43:54.096	0.0	39.9		5.36		TAS		43.5	1.04	a_e	mb 5.5
BFO	83.08		P	01:44:00.596		39.9		5.36		TAS		52.0	0.95	a_e	mb 5.7
BRG	78.79		P	01:43:37.796	-0.5	39.9		5.36		TAS		22.8	0.79	a_e	mb 5.3
BSEG	77.92		P	01:43:33.246	0.1	39.9		5.36		TAS		24.4	0.84	a_e	mb 5.4
BUG	81.03		P	01:43:49.646	-0.0	39.9		5.36		TAS		20.7	0.86	a_e	mb 5.2
CLL	78.86		P	01:43:37.995	-0.1	39.9		5.36		TAS		45.0	0.81	m_e	mb 5.5
CLZ	79.51		P	01:43:42.096	0.2	39.9		5.36		TAS		27.8	0.90	a_e	mb 5.2
FLT1	78.79		P	01:43:37.468	-0.3	39.9		5.36		TAS		22.6	0.74	m_e	mb 5.3
GEC2	80.41		P	01:43:46.527	0.7	39.9		5.36		TAS		20.2	0.92	m_e	mb 5.0
GOR1	78.26		P	01:43:35.346	0.3	39.9		5.36		TAS		46.0	1.29	a_e	mb 5.5
GRA1	80.82		P	01:43:49.491	-0.0	39.9		5.36		TAS		69.4	0.89	m_e	mb 5.7
GTTG	79.90		P	01:43:44.060	-0.1	39.9		5.36		TAS		24.2	0.92	m_e	mb 5.1
IBBN	80.15		P	01:43:45.207	0.1	39.9		5.36		TAS		49.9	0.83	m_e	mb 5.5
KAST	80.78		P	01:43:48.659	0.1	39.9		5.36		TAS		16.0	0.88	m_e	mb 5.1
MOX	79.93		P	01:43:44.096	0.3	39.9		5.36		TAS		30.1	1.28	m_e	mb 5.1
MOX	79.93		pP	01:43:48.562						T__				m_e	
NEUB	79.45		P	01:43:41.389	0.1	39.9		5.36		TAS		34.5	0.80	m_e	mb 5.3
PLN	79.83		P	01:43:43.596	0.1	39.9		5.36		TAS		4.5	0.91	a_e	mb 4.4
RGN	76.30		P	01:43:24.246	-0.3	39.9		5.36		TAS		115.6	1.28	a_e	mb 5.9
RUE	77.66		P	01:43:31.696	-0.2	39.9		5.36		TAS		25.4	0.76	a_e	mb 5.4
STU	82.37		P	01:43:57.147	-0.3	39.9		5.36		TAS		119.6	0.92	m_e	mb 6.0
TANN	79.75		P	01:43:43.246	0.1	39.9		5.36		TAS		11.4	0.99	a_e	mb 4.8
TNS	81.53		P	01:43:52.696	-0.4	39.9		5.36		TAS		19.1	0.82	a_e	mb 5.3
UBR	82.85		P	01:43:59.246		39.9		5.36		TAS		19.6	1.05	a_e	mb 5.3
WET	80.54		P	01:43:47.596	-0.2	39.9		5.36		TAS		28.2	1.05	a_e	mb 5.2
WLF	82.88		P	01:43:59.805		39.9		5.36		TAS		16.5	1.01	m_e	mb 5.2

Event 20623002 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/23	01:45:23.32			51.5730	157.4240				33.0			14		72.50	77.11	m i ke	BGR
OrigID 20623008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20623008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	72.81	P	01:56:47.307	0.0	21.0	5.79	TAS	10.4	1.05	m_e	mb	4.9
BFO	76.90	P	01:57:10.231		21.0	5.79	TAS	12.4	0.87	m_e	mb	5.1
FLT1	72.50	P	01:56:45.134	-0.1	21.0	5.79	TAS	9.6	0.88	m_e	mb	4.9
FUR	76.38	P	01:57:08.290		21.0	5.79	TAS	23.7	0.93	m_e	mb	5.3
GRA1	74.97	P	01:57:00.328		21.0	5.79	TAS			m_e		
GRA2	74.97	P	01:57:00.317		21.0	5.79	TAS	26.5	0.86	m_e	mb	5.3
GRA3	74.88	P	01:56:59.818		21.0	5.79	TAS	17.9	0.92	m_e	mb	5.1
GRB3	75.16	P	01:57:01.119		21.0	5.79	TAS	23.3	0.95	m_e	mb	5.2
GRB4	75.10	P	01:57:00.641		21.0	5.79	TAS	19.8	0.90	m_e	mb	5.1
GRC1	75.55	P	01:57:03.252		21.0	5.79	TAS	12.3	0.91	m_e	mb	5.0
IBBN	73.26	P	01:56:50.274	0.3	21.0	5.79	TAS	15.6	0.88	m_e	mb	5.2
UBR	77.11	P	01:57:12.360		21.0	5.79	TAS	28.7	1.31	m_e	mb	5.2
WET	75.08	P	01:57:01.010		21.0	5.79	TAS	12.8	0.86	m_e	mb	5.0
WLF	76.09	P	01:57:06.954		21.0	5.79	TAS	291.0	2.94	m_e	mb	5.9

Event 20624001 Southern East Pacific Rise

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/24	00:00:18.00			-21.3570	-110.1890				10.0			26		123.00	128.00	m i ke	USGS
OrigID 20624019																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	20624007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	125.47		PKPdf	00:19:18.621	-0.5	279.6		1.89		TAS				m_e		
BFO	124.56		PKPdf	00:19:16.634	0.2	279.6		1.89		TAS				m_e		
BRG	127.73		PKPdf	00:19:23.247	-0.1	279.6		1.89		TAS				m_e		
BSEG	124.90		PKPdf	00:19:17.695	-0.2	279.6		1.89		TAS				m_e		
BUG	123.50		PKPdf	00:19:14.801	0.1	279.6		1.89		TAS				m_e		
CLL	127.05		PKPdf	00:19:21.885	0.3	279.6		1.89		TAS				m_e		
CLZ	125.34		PKPdf	00:19:18.881	-0.5	279.6		1.89		TAS				m_e		
FLT1	125.77		PKPdf	00:19:18.884	-0.4	279.6		1.89		TAS				m_e		
FUR	126.53		PKPdf	00:19:20.478	-0.1	279.6		1.89		TAS				m_e		
GEC2	128.00		PKPdf	00:19:23.492	-0.1	279.6		1.89		TAS				m_e		
GOR1	125.67		PKPdf	00:19:19.092	0.2	279.6		1.89		TAS				m_e		
GRA1	126.25		PKPdf	00:19:20.470	-0.1	279.6		1.89		TAS				m_e		
GRA1	126.25		L	01:32:49.188						T__		305.1	21.50	a_e	Ms	4.9
GTTG	125.14		PKPdf	00:19:18.088	0.4	279.6		1.89		TAS				m_e		
HLG	123.44		PKPdf	00:19:15.455	0.0	279.6		1.89		TAS				m_e		
KAST	124.24		PKPdf	00:19:16.502	-0.1	279.6		1.89		TAS				m_e		
MOX	126.33		PKPdf	00:19:20.452	0.0	279.6		1.89		TAS				m_e		
MOX	126.33		L	01:13:49.391						T__		369.1	20.10	a_e	Ms	5.0
NEUB	126.32		PKPdf	00:19:20.337	0.0	279.6		1.89		TAS				m_e		
PLN	126.70		PKPdf	00:19:21.131	-0.1	279.6		1.89		TAS				m_e		
RGN	126.46		PKPdf	00:19:20.891	0.0	279.6		1.89		TAS				m_e		

RUE	127.25	PKPdf	00:19:22.105	0.2	279.6	1.89	TAS	m_e
STU	125.08	PKPdf	00:19:18.086	0.2	279.6	1.89	TAS	m_e
TANN	126.90	PKPdf	00:19:21.678	0.1	279.6	1.89	TAS	m_e
TNS	124.40	PKPdf	00:19:16.942	0.5	279.6	1.89	TAS	m_e
UBR	125.83	PKPdf	00:19:19.665	0.3	279.6	1.89	TAS	m_e
WET	127.42	PKPdf	00:19:22.983		279.6	1.89	TAS	m_e
WLF	123.00	PKPdf	00:19:14.452		279.6	1.89	TAS	m_e

Event 20624003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/24	18:56:33.00			-1.8520	100.4050				49.4					90.89	90.89	m i ke	USGS
OrigID 20624021																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20624009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.89		P	19:09:32.684		91.8		3.95		TAS		12.2	1.28	m_e mb	5.1

Event 20625001 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/06/25	03:37:18.76	0.31	6.16	26.3700	52.9300	36.7	32.2	45	10.0					26	115	37.74	43.10	m i ke BGR
OrigID 20625007																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20625007
Ms	5.0		BGR	20625007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	42.36		P	03:45:13.194	0.1	111.8		8.39		TAS		57.5	1.33	m_e mb	5.1
ASSE	40.77		S	03:51:13.270		112.6		14.85		TAS				m_e	
ASSE	40.77		P	03:44:59.543	0.1	111.8		8.39		TAS		61.8	1.12	m_e mb	5.2
BFO	40.94		P	03:45:00.970	-0.3	111.8		8.39		TAS		28.2	1.02	m_e mb	4.9
BRG	38.40		P	03:44:40.000	-0.0	111.8		8.39		TAS		34.6	1.03	m_e mb	5.0
BSEG	41.69		P	03:45:07.128	0.1	111.8		8.39		TAS		97.0	1.02	m_e mb	5.5
BUG	42.51		S	03:51:38.826		112.6		14.85		TAS				m_e	
BUG	42.51		P	03:45:14.729	-0.4	111.8		8.39		TAS		90.3	1.06	m_e mb	5.4
CLL	39.12		S	03:50:48.310		112.6		14.85		TAS				m_e	
CLL	39.12		P	03:44:45.730	-0.3	111.8		8.39		TAS		53.6	0.96	m_e mb	5.2
CLZ	40.84		S	03:51:11.439		112.6		14.85		TAS				m_e	
CLZ	40.84		P	03:45:00.508	0.0	111.8		8.39		TAS		97.4	0.91	m_e mb	5.5

Event 20625003 Taiwan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/25 13:34:35.00 23.6480 121.4550 10.0 84.36 84.36 m i ke USGS
 20625021

Magnitude Err Nsta Author OrigID
 mb 4.6 BGR 20625009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 84.36 P 13:47:08.320 59.8 4.61 TAS 5.6 1.33 m_e mb 4.6

Event 20625004 Fiji Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/25 19:00:30.00 -18.1960 -177.9870 584.1 147.63 147.63 m i ke USGS
 20625022

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 147.63 PKP 19:19:10.575 16.5 1.95 TAS m_e

Event 20626001 Off coast of Peru
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/26 02:02:35.00 -17.1760 -73.7660 15.1 99.77 100.26 m i ke USGS
 20626019

Magnitude Err Nsta Author OrigID
 Ms 5.2 BGR 20626007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 99.77 Pdiff 02:16:19.342 T__ m_e
 GRA1 99.77 L 02:57:06.605 T__ 721.4 21.90 a_e Ms 5.1
 MOX 100.26 L 02:57:34.760 T__ 1051.5 21.60 a_e Ms 5.3

Event 20626002 Kuril Islands, Russia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID

./bul2206.txt Thu Aug 24 08:27:56 2023 57

2022/06/26 05:51:01.29 43.7840 147.1140 33.0 79.14 79.14 m i ke BGR
20626008

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 20626008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 79.14 P 06:03:01.848 28.9 4.59 TAS 6.7 1.12 m_e mb 4.6

Event 20626003 Vanuatu Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/06/26 08:09:48.00 -19.1800 168.3120 27.9 144.42 144.42 m i ke USGS
20626021

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 144.42 PKP 08:29:29.407 39.3 3.20 TAS m_e

Event 20626004 Kyushu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/06/26 12:44:58.38 32.8050 130.4220 33.0 81.69 81.69 m i ke BGR
20626010

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 20626010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 81.69 P 12:57:12.820 54.8 4.94 TAS 3.2 0.94 m_e mb 4.4

Event 20626005 Northern and central Iran

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/06/26 13:07:17.00 31.5860 57.2370 10.0 38.55 38.61 m i ke USGS
20626023

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 20626011

Ms 4.2 BGR 20626011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	38.61		P	13:14:40.653		100.4		8.63		TAS		15.2	1.09	m_e	mb 4.5
GRA1	38.61		L	13:33:36.516						T__		294.4	21.20	a_e	Ms 4.1
MOX	38.55		L	13:37:14.353						T__		386.5	18.30	a_e	Ms 4.3

Event 20626006 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/26	19:17:51.00			35.9130	-0.3630				10.0					16.15	17.07	m i ke	USGS
OrigID																	
20626024																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	20626012
Ms	3.4		BGR	20626012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	16.15		P	19:21:40.219		215.9		11.73		TAS		34.8	1.34	m_e	mb 4.3
GRA1	16.15		L	19:27:19.235						T__		254.6	21.60	a_e	Ms 3.4
MOX	17.07		L	19:27:46.976						T__		287.4	20.60	a_e	Ms 3.5

Event 20626007 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/26	21:34:16.67			30.0240	130.9610				33.0					84.23	84.23	m i ke	BGR
OrigID																	
20626013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20626013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.23		P	21:46:44.340		55.6		4.62		TAS		14.4	0.88	m_e	mb 5.2

Event 20627001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/27	01:04:33.00			-20.1290	169.3510				93.1					145.69	145.69	m i ke	USGS
OrigID																	
20627019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.69		PKP	01:24:01.139						T__					m_e
GRA1	145.69		pPKP	01:24:22.059						T__					m_e

Event 20627005 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/27	19:17:36.00			-4.4880	153.4180				95.8					124.76	124.76	m i ke	USGS

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	124.76		PKP	19:36:23.703		48.1		1.22		TAS					m_e
GRA1	124.76		pPKP	19:36:49.738						T__					m_e

Event 20627006 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/27	20:03:07.75			39.4900	141.7300				43.6	1.1		25		77.78	83.18	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	5.1		BGR	20627012
Ms	4.9		BGR	20627012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.81		P	20:15:24.186	0.2	36.6		5.34		TAS		20.9	1.10	a_e mb	5.2
ASSE	79.21		P	20:15:10.486	0.1	36.6		5.34		TAS		10.7	0.83	a_e mb	4.9
BFO	83.18		P	20:15:31.286		36.6		5.34		TAS		26.3	1.08	a_e mb	5.4
BFO	83.18		pP	20:15:43.926		36.4		5.25		T__					m_e
BRG	78.97		P	20:15:09.136	-0.1	36.6		5.34		TAS		17.3	1.03	a_e mb	5.0
BSEG	77.88		P	20:15:03.536	0.0	36.6		5.34		TAS		34.7	1.03	a_e mb	5.4
BUG	80.99		P	20:15:19.636	0.0	36.6		5.34		TAS		17.4	1.13	a_e mb	5.0
CLL	79.00		P	20:15:08.936	-0.1	36.6		5.34		TAS		33.5	1.02	a_e mb	5.3
CLZ	79.55		P	20:15:12.686	-0.3	36.6		5.34		TAS		31.6	1.08	a_e mb	5.2
FLT1	78.84		P	20:15:08.036	0.4	36.6		5.34		TAS		27.7	0.95	a_e mb	5.3
FLT1	78.84		pP	20:15:20.971		36.4		5.25		T__					m_e
FUR	82.18		P	20:15:26.417		36.6		5.34		TAS		24.7	0.81	m_e mb	5.4
GEC2	80.66		P	20:15:18.086	-0.4	36.6		5.34		TAS		10.7	0.96	a_e mb	4.8
GOR1	78.29		P	20:15:05.486	-0.0	36.6		5.34		TAS		32.6	1.21	m_e mb	5.3

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GRA1	80.97	P	20:15:20.336	-0.1	36.6	5.34	TAS	34.2	1.02	m_e	mb	5.3
GRA1	80.97	L	21:04:48.987				T__	589.5	19.40	a_e	Ms	5.0
GTTG	79.94	P	20:15:14.486	-0.4	36.6	5.34	TAS	26.8	1.14	a_e	mb	5.1
IBBN	80.10	P	20:15:15.186	0.0	36.6	5.34	TAS	35.3	1.08	a_e	mb	5.2
KAST	80.78	P	20:15:18.886	-0.0	36.6	5.34	TAS	18.8	1.30	a_e	mb	5.0
KAST	80.78	pP	20:15:31.433		36.4	5.25	T__			m_e		
MOX	80.05	P	20:15:14.986	0.1	36.6	5.34	TAS	17.9	1.16	a_e	mb	4.9
MOX	80.05	L	21:02:48.335				T__	493.6	18.90	a_e	Ms	4.9
NEUB	79.55	P	20:15:12.186	0.0	36.6	5.34	TAS	38.5	0.96	a_e	mb	5.3
NEUB	79.55	pP	20:15:24.973		36.4	5.25	T__			m_e		
PLN	79.97	P	20:15:14.586	-0.2	36.6	5.34	TAS	5.7	1.22	a_e	mb	4.4
PLN	79.97	pP	20:15:27.007		36.4	5.25		m_e				
RUE	77.78	P	20:15:02.836	-0.5	36.6	5.34	TAS	25.3	0.78	a_e	mb	5.4
STU	82.49	P	20:15:27.736	-0.0	36.6	5.34	TAS	49.5	0.99	a_e	mb	5.7
TANN	79.91	P	20:15:14.436	0.7	36.6	5.34	TAS	12.5	1.31	a_e	mb	4.7
TNS	81.58	P	20:15:22.941	0.5	36.6	5.34	TAS	14.8	1.20	m_e	mb	5.0
TNS	81.58	pP	20:15:35.244		36.4	5.25	T__			m_e		
WET	80.76	P	20:15:19.086	-0.3	36.6	5.34	TAS	15.9	1.07	a_e	mb	5.0
WLF	82.87	P	20:15:30.645	0.4	36.6	5.34	TAS	33.5	1.43	m_e	mb	5.4

Event 20627007 Southeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/27	20:06:52.05			21.8090	123.1880				10.0					86.79	86.79	m i ke	BGR
OrigID 20627013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20627013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	86.79		P	20:19:35.974		61.7		4.16		TAS		11.9	0.98	m_e	mb	5.0

Event 20627008 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/27	20:43:50.00			22.1360	120.2010				10.0					84.85	84.85	m i ke	USGS
OrigID 20627026																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20627014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.85		P	20:56:25.445		61.7		3.49		TAS		5.0	0.91	m_e	mb	4.7

Event 20627009 Taiwan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/27 22:03:22.00 22.1440 120.2080 10.0 84.84 84.84 m i ke USGS
 20627027

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 20627015

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 84.84 P 22:15:57.884 61.7 4.52 TAS 17.4 0.97 m_e mb 5.2

Event 20628001 Taiwan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/28 13:35:07.01 23.5930 121.3080 37.0 84.33 84.33 m i ke BGR
 20628007

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 20628007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 84.33 P 13:47:34.721 64.7 4.65 TAS 16.2 0.92 m_e mb 5.2
 GRA1 84.33 pP 13:47:45.475 T__ m_e

Event 20628002 Philippine Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/06/28 13:43:20.13 20.2000 122.1400 33.0 27 84.75 90.32 m i ke BGR
 20628008

Magnitude Err Nsta Author OrigID
 mb 5.7 BGR 20628008
 Ms 5.4 BGR 20628008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 AHRW 89.35 S 14:07:02.633 61.8 9.00 TAS m_e
 AHRW 89.35 P 13:56:14.453 61.5 5.00 TAS 70.3 1.64 a_e mb 5.5
 ASSE 86.60 S 14:06:39.138 61.8 9.00 TAS m_e

ASSE	86.60	P	13:56:00.603		61.5	5.00	TAS	38.6	1.05	a_e	mb	5.6
BFO	89.80	P	13:56:15.953		61.5	5.00	TAS	27.6	1.24	a_e	mb	5.5
BRG	85.38	P	13:55:54.253	0.1	61.5	5.00	TAS	34.9	0.96	a_e	mb	5.6
BSEG	85.91	S	14:06:33.322	2.4	61.8	9.00	TAS			m_e		
BSEG	85.91	P	13:55:57.253	0.5	61.5	5.00	TAS	38.9	0.99	a_e	mb	5.6
BUG	88.77	S	14:06:57.515		61.8	9.00	TAS			m_e		
BUG	88.77	P	13:56:11.403		61.5	5.00	TAS	61.3	1.15	a_e	mb	5.6
CLL	85.71	P	13:55:55.653	0.0	61.5	5.00	TAS	59.8	0.89	a_e	mb	5.8
CLZ	86.90	S	14:06:41.929		61.8	9.00	TAS			m_e		
CLZ	86.90	P	13:56:02.553		61.5	5.00	TAS	95.8	0.98	a_e	mb	6.0
FLT1	86.20	S	14:06:34.718	2.0	61.8	9.00	TAS			m_e		
FLT1	86.20	P	13:55:58.053	0.0	61.5	5.00	TAS	47.2	0.83	a_e	mb	5.8
FUR	88.18	P	13:56:08.803		61.5	5.00	TAS	172.4	0.88	a_e	mb	6.2
GEC2	86.44	S	14:06:34.718		61.8	9.00	TAS			m_e		
GEC2	86.44	P	13:55:59.703	0.2	61.5	5.00	TAS	67.8	0.89	a_e	mb	5.9
GOR1	85.85	P	13:55:57.203	-0.0	61.5	5.00	TAS	117.4	1.12	a_e	mb	6.0
GRA1	87.48	S	14:06:43.558		61.8	9.00	TAS			m_e		
GRA1	87.48	P	13:56:05.353		61.5	5.00	TAS	57.1	0.85	a_e	mb	5.8
GRA1	87.48	L	14:33:05.935				T__	1290.6	19.00	a_e	Ms	5.4
GTTG	87.27	S	14:06:40.068		61.8	9.00	TAS			m_e		
GTTG	87.27	P	13:56:04.103		61.5	5.00	TAS	70.1	0.83	a_e	mb	5.9
HLG	87.03	S	14:06:43.325		61.8	9.00	TAS			m_e		
IBBN	88.06	P	13:56:07.903		61.5	5.00	TAS	70.6	0.80	a_e	mb	5.8
KAST	88.28	S	14:06:47.512		61.8	9.00	TAS			m_e		
KAST	88.28	P	13:56:09.053		61.5	5.00	TAS	27.1	0.95	a_e	mb	5.4
MOX	86.80	S	14:06:40.301		61.8	9.00	TAS			m_e		
MOX	86.80	P	13:56:01.553		61.5	5.00	TAS	45.4	0.98	a_e	mb	5.7
MOX	86.80	L	14:32:19.328				T__	1502.1	18.50	a_e	Ms	5.4
NEUB	86.45	P	13:55:59.703	-0.0	61.5	5.00	TAS	97.3	0.91	m_e	mb	6.0
PLN	86.57	S	14:06:37.742		61.8	9.00	TAS			m_e		
PLN	86.57	P	13:56:00.403		61.5	5.00	TAS	15.6	0.92	a_e	mb	5.2
RUE	84.75	P	13:55:51.053	0.1	61.5	5.00	TAS	73.0	0.95	a_e	mb	5.9
STU	89.09	S	14:07:01.703		61.8	9.00	TAS			m_e		
STU	89.09	P	13:56:12.703		61.5	5.00	TAS	104.7	1.00	a_e	mb	5.9
TANN	86.43	P	13:55:59.803	-0.2	61.5	5.00	TAS	39.5	1.04	a_e	mb	5.6
TNS	88.77	S	14:06:59.842		61.8	9.00	TAS			m_e		
TNS	88.77	P	13:56:11.553		61.5	5.00	TAS	31.3	1.10	a_e	mb	5.4
UBR	89.10	S	14:07:02.168		61.8	9.00	TAS			m_e		
UBR	89.10	P	13:56:12.753		61.5	5.00	TAS	65.6	0.85	a_e	mb	5.8
WET	86.78	S	14:06:40.301		61.8	9.00	TAS			m_e		
WET	86.78	P	13:56:01.753		61.5	5.00	TAS	40.3	1.00	a_e	mb	5.6
WLF	90.32	P	13:56:19.153		61.5	5.00	TAS	61.3	0.93	a_e	mb	5.9

Event 20629001 Afghanistan-Tajikistan border region

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

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2022/06/29 04:30:05.93 36.1660 72.3270 33.0 45.49 45.49 m i ke BGR
20629007

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 20629007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 45.49 P 04:38:21.519 93.5 7.02 TAS 9.6 0.83 m_e mb 4.9

Event 20629002 Northern Mid-Atlantic Ridge

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/06/29 06:05:52.00 44.4360 -28.2640 10.0 27.16 27.16 m i ke USGS
20629020

Magnitude Err Nsta Author OrigID
mb 4.3 BGR 20629008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 27.16 P 06:11:35.957 274.1 8.77 TAS 5.6 0.85 m_e mb 4.3

Event 20630002 Northwestern Balkan Peninsula

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/06/30 06:07:11.62 0.83 0.73 43.3750 17.8530 12.2 7.8 154 10.0 21 289 4.19 8.42 m i ke BGR
20630008

Magnitude Err Nsta Author OrigID
ML 4.9 BGR 20630008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
BE1 6.49 Pn 06:08:45.480 0.4 T__ m_e
BERGE 8.13 Pn 06:09:06.356 -0.8 T__ m_e
BFO 8.28 Pn 06:09:08.048 -1.2 T__ m_e
BUD 4.19 Pn 06:08:13.504 -0.5 T__ m_e
EMING 7.76 Pn 06:09:01.543 -0.6 T__ m_e
GEC2 6.18 Sn 06:09:44.989 -0.8 T__ m_e
GEC2 6.18 Pn 06:08:41.221 0.3 T__ m_e ML 4.7
GRA1 7.79 Pn 06:09:02.517 -0.1 T__ m_e
KW1 6.00 Pn 06:08:39.461 1.0 T__ m_e ML 5.3
MANZ 7.70 Pn 06:09:01.523 0.2 T__ m_e
METMA 8.01 Pn 06:09:05.104 -0.4 T__ m_e
MOX 8.42 Pn 06:09:11.000 -0.1 T__ m_e

NORI	7.33	Pn	06:08:55.572	-0.8	T__	m_e		
PART	6.28	Sn	06:09:49.941	1.9	T__	m_e		
PART	6.28	Pn	06:08:43.497	1.3	T__	m_e	ML	4.8
PSZ	4.76	Sn	06:09:12.892	0.3	T__	m_e		
PSZ	4.76	Pn	06:08:22.665	0.9	T__	m_e	ML	4.6
ROTZ	7.48	Pn	06:08:58.018	-0.3	T__	m_e		
SOP	4.40	Pn	06:08:16.433	-0.5	T__	m_e		
STU	8.08	Pn	06:09:06.445	0.0	T__	m_e		
UBR	6.93	Pn	06:08:50.886	-0.1	T__	m_e		
WALHA	7.52	Pn	06:08:58.945	-0.0	T__	m_e		
WET	6.72	Pn	06:08:47.967	-0.1	T__	m_e	ML	4.8
WET	6.72	Sn	06:09:57.376	-0.9	T__	m_e		
ZUGS	6.30	Pn	06:08:43.397	0.9	T__	m_e	ML	5.0

Event 20630007 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/06/30	18:40:40.20			19.0900	121.9600			74.9		3.4		19		84.89	91.12	m i ke	BGR
OrigID 20630013																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	20630013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.16		SKSac	19:03:58.544		64.9		6.05		TAS				m_e	
AHRW	90.16		S	19:04:19.090		61.4		9.55		TAS				m_e	
AHRW	90.16		P	18:53:32.064	-0.2	62.2		4.77		TAS		64.2	1.37	a_e mb	5.7
AHRW	90.16		SP	19:05:23.261		62.5		12.17		TAS				m_e	
ASSE	87.41		SKSac	19:03:41.985		64.9		6.05		TAS				m_e	
ASSE	87.41		P	18:53:19.214	0.1	62.2		4.77		TAS		186.7	1.62	a_e mb	6.0
ASSE	87.41		SP	19:04:47.855	0.3	62.5		12.17		TAS				m_e	
ASSE	87.41		PKKP	19:11:11.434	0.1	242.7		2.91		TAS				m_e	
BFO	90.58		SKSac	19:03:56.516		64.9		6.05		TAS				m_e	
BFO	90.58		S	19:04:21.942		61.4		9.55		TAS				m_e	
BFO	90.58		P	18:53:33.714	-0.5	62.2		4.77		TAS		101.1	1.69	a_e mb	5.8
BFO	90.58		sP	18:54:02.892						T__				m_e	
BFO	90.58		SP	19:05:25.276		62.5		12.17		TAS				m_e	
BRG	86.16		SKSac	19:03:31.700	1.0	64.9		6.05		TAS				m_e	
BRG	86.16		S	19:03:40.598	-0.4	61.4		9.55		TAS				m_e	
BRG	86.16		P	18:53:12.964	-0.2	62.2		4.77		TAS		142.6	1.34	a_e mb	5.9
BRG	86.16		SP	19:04:33.303	-1.1	62.5		12.17		TAS				m_e	
BRG	86.16		PKKP	19:11:15.085	0.2	242.7		2.91		TAS				m_e	
BSEG	86.74		SKSac	19:03:37.190	-0.3	64.9		6.05		TAS				m_e	
BSEG	86.74		S	19:03:47.581	0.1	61.4		9.55		TAS				m_e	
BSEG	86.74		P	18:53:15.964	0.0	62.2		4.77		TAS		288.9	1.49	a_e mb	6.2
BSEG	86.74		SP	19:04:41.474	1.5	62.5		12.17		TAS				m_e	

BSEG	86.74	PKKP	19:11:13.721	0.0	242.7	2.91	TAS					m_e	
BUG	89.59	SKSac	19:03:54.914		64.9	6.05	TAS					m_e	
BUG	89.59	S	19:04:14.406		61.4	9.55	TAS					m_e	
BUG	89.59	P	18:53:29.364	-0.1	62.2	4.77	TAS	98.8	1.20	a_e	mb		5.9
BUG	89.59	SP	19:05:15.762	0.7	62.5	12.17	TAS					m_e	
CLL	86.50	SKSac	19:03:35.018	0.1	64.9	6.05	TAS					m_e	
CLL	86.50	S	19:03:43.885	-0.8	61.4	9.55	TAS					m_e	
CLL	86.50	P	18:53:14.314	-0.5	62.2	4.77	TAS	154.8	1.45	a_e	mb		5.9
CLL	86.50	sP	18:53:44.209				T__					m_e	
CLL	86.50	SP	19:04:36.885	0.4	62.5	12.17	TAS					m_e	
CLL	86.50	PKKP	19:11:14.712	-0.1	242.7	2.91	TAS					m_e	
CLZ	87.71	SKSac	19:03:43.852		64.9	6.05	TAS					m_e	
CLZ	87.71	P	18:53:20.964	0.4	62.2	4.77	TAS	218.9	1.66	a_e	mb		6.0
CLZ	87.71	sP	18:53:49.432				T__					m_e	
CLZ	87.71	SP	19:04:53.598	0.4	62.5	12.17	TAS					m_e	
CLZ	87.71	PKKP	19:11:11.391		242.7	2.91	TAS					m_e	
FLT1	87.01	SKSac	19:03:38.508	0.8	64.9	6.05	TAS					m_e	
FLT1	87.01	P	18:53:16.764	-0.5	62.2	4.77	TAS	261.4	1.87	a_e	mb		6.0
FLT1	87.01	SP	19:04:43.937	0.1	62.5	12.17	TAS					m_e	
FLT1	87.01	PKKP	19:11:13.263	0.3	242.7	2.91	TAS					m_e	
FUR	88.94	SKSac	19:03:48.631		64.9	6.05	TAS					m_e	
FUR	88.94	S	19:04:08.387		61.4	9.55	TAS					m_e	
FUR	88.94	P	18:53:26.714	0.3	62.2	4.77	TAS	94.2	1.05	a_e	mb		6.0
FUR	88.94	SP	19:05:06.471	0.1	62.5	12.17	TAS					m_e	
GEC2	87.19	SKSac	19:03:39.667	0.5	64.9	6.05	TAS					m_e	
GEC2	87.19	S	19:03:52.516	-1.9	61.4	9.55	TAS					m_e	
GEC2	87.19	P	18:53:18.164	0.1	62.2	4.77	TAS	189.5	1.77	a_e	mb		5.9
GEC2	87.19	sP	18:53:46.998				T__					m_e	
GEC2	87.19	SP	19:04:47.631	-1.7	62.5	12.17	TAS					m_e	
GEC2	87.19	PKKP	19:11:12.730	0.2	242.7	2.91	TAS					m_e	
GOR1	86.66	P	18:53:15.864	0.3	62.2	4.77	TAS	479.6	1.63	a_e	mb		6.4
GOR1	86.66	PKKP	19:11:14.330	0.1	242.7	2.91	TAS					m_e	
GRA1	88.25	SKSac	19:03:45.462		64.9	6.05	TAS					m_e	
GRA1	88.25	S	19:04:02.880		61.4	9.55	TAS					m_e	
GRA1	88.25	P	18:53:23.464	0.3	62.2	4.77	TAS	267.5	2.10	a_e	mb		6.2
GRA1	88.25	sP	18:53:51.499				T__					m_e	
GRA1	88.25	SP	19:05:00.650	-0.1	62.5	12.17	TAS					m_e	
GRA1	88.25	PKKP	19:11:09.757		242.7	2.91	TAS					m_e	
GTTG	88.08	SKSac	19:03:45.880		64.9	6.05	TAS					m_e	
GTTG	88.08	S	19:03:59.511		61.4	9.55	TAS					m_e	
GTTG	88.08	P	18:53:22.514	0.2	62.2	4.77	TAS	204.1	1.78	a_e	mb		6.2
GTTG	88.08	SP	19:04:57.628	-0.9	62.5	12.17	TAS					m_e	
HLG	87.87	SKSac	19:03:43.434		64.9	6.05	TAS					m_e	
HLG	87.87	S	19:03:56.418		61.4	9.55	TAS					m_e	
HLG	87.87	P	18:53:21.314	0.0	62.2	4.77	TAS					a_e	
HLG	87.87	SP	19:04:56.172	1.5	62.5	12.17	TAS					m_e	
IBBN	88.88	P	18:53:26.064	-0.1	62.2	4.77	TAS	158.3	1.21	a_e	mb		6.1
IBBN	88.88	PKKP	19:11:07.676		242.7	2.91	TAS					m_e	
KAST	89.09	SKSac	19:03:51.735		64.9	6.05	TAS					m_e	

KAST	89.09	S	19:04:10.550		61.4	9.55	TAS			m_e	
KAST	89.09	P	18:53:27.264	0.1	62.2	4.77	TAS	72.2	1.41	a_e mb	5.7
KAST	89.09	sP	18:53:56.056				T__			m_e	
KAST	89.09	SP	19:05:09.493	0.8	62.5	12.17	TAS			m_e	
MOX	87.58	SKSac	19:03:41.406		64.9	6.05	TAS			m_e	
MOX	87.58	S	19:03:55.111		61.4	9.55	TAS			m_e	
MOX	87.58	P	18:53:19.964	0.0	62.2	4.77	TAS	204.3	1.95	a_e mb	5.9
MOX	87.58	SP	19:04:51.471	1.3	62.5	12.17	TAS			m_e	
NEUB	87.24	SKSac	19:03:39.522	-3.0	64.9	6.05	TAS			m_e	
NEUB	87.24	S	19:03:51.143		61.4	9.55	TAS			m_e	
NEUB	87.24	P	18:53:18.214	-0.1	62.2	4.77	TAS	239.0	1.63	a_e mb	6.1
NEUB	87.24	SP	19:04:45.280	-1.3	62.5	12.17	TAS			m_e	
NEUB	87.24	PKKP	19:11:12.806	0.3	242.7	2.91	TAS			m_e	
PLN	87.35	SKSac	19:03:40.376		64.9	6.05	TAS			m_e	
PLN	87.35	S	19:03:52.540		61.4	9.55	TAS			m_e	
PLN	87.35	P	18:53:18.814	-0.0	62.2	4.77	TAS	117.7	2.22	a_e mb	5.6
PLN	87.35	SP	19:04:47.967	2.4	62.5	12.17	TAS			m_e	
PLN	87.35	PKKP	19:11:12.349	0.2	242.7	2.91	TAS			m_e	
RGN	84.89	SKSac	19:03:25.326	-1.0	64.9	6.05	TAS			m_e	
RGN	84.89	P	18:53:07.064	-0.0	62.2	4.77	TAS	313.7	1.31	a_e mb	6.4
RUE	85.56	SKSac	19:03:30.106	-0.2	64.9	6.05	TAS			m_e	
RUE	85.56	P	18:53:10.114	-0.2	62.2	4.77	TAS	206.6	1.02	a_e mb	6.3
RUE	85.56	SP	19:04:25.243	-0.5	62.5	12.17	TAS			m_e	
STU	89.86	SKSac	19:03:54.479		64.9	6.05	TAS			m_e	
STU	89.86	S	19:04:16.743		61.4	9.55	TAS			m_e	
STU	89.86	P	18:53:30.564	-0.2	62.2	4.77	TAS			a_e	
STU	89.86	SP	19:05:17.776		62.5	12.17	TAS			m_e	
TANN	87.21	SKSac	19:03:40.102	-0.4	64.9	6.05	TAS			m_e	
TANN	87.21	S	19:03:51.304		61.4	9.55	TAS			m_e	
TANN	87.21	P	18:53:18.264	0.1	62.2	4.77	TAS	202.3	2.04	m_e mb	5.9
TANN	87.21	SP	19:04:46.623	-0.3	62.5	12.17	TAS			m_e	
TNS	89.56	SKSac	19:03:55.493		64.9	6.05	TAS			m_e	
TNS	89.56	S	19:04:15.198		61.4	9.55	TAS			m_e	
TNS	89.56	P	18:53:29.614	0.2	62.2	4.77	TAS	67.2	1.28	a_e mb	5.7
TNS	89.56	sP	18:53:57.809				T__			m_e	
TNS	89.56	SP	19:05:15.426	-1.0	62.5	12.17	TAS			m_e	
TNS	89.56	PKKP	19:11:05.336		242.7	2.91	TAS			m_e	
UBR	89.86	SKSac	19:03:54.488		64.9	6.05	TAS			m_e	
UBR	89.86	P	18:53:30.564	-0.2	62.2	4.77	TAS	253.7	1.95	a_e mb	6.1
UBR	89.86	SP	19:05:19.344	-2.2	62.5	12.17	TAS			m_e	
WET	87.54	SKSac	19:03:42.275		64.9	6.05	TAS			m_e	
WET	87.54	S	19:03:55.695		61.4	9.55	TAS			m_e	
WET	87.54	P	18:53:20.014	0.3	62.2	4.77	TAS	180.0	2.04	a_e mb	5.8
WET	87.54	SP	19:04:52.814	0.8	62.5	12.17	TAS			m_e	
WLF	91.12	SKSac	19:04:03.825		64.9	6.05	TAS			m_e	
WLF	91.12	P	18:53:37.043	0.2	62.2	4.77	TAS	129.7	1.11	m_e mb	6.2

