

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

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

May 2022

UPDATED 26.July 2023

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

Event 20501002 South of Solomon Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/01	12:50:28.10			-7.0040	155.5250				10.0	2.2		20		125.00	130.00	m i ke	EMSC
OrigID 20501008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	20501008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	126.70		PKPdf	13:09:29.467	0.0	47.2		1.88		TAS				m_e	
BRG	126.00		PKPdf	13:09:27.795	-0.2	47.2		1.88		TAS				m_e	
BRG	126.00		pPKPdf	13:09:39.946						T__				m_e	
BSEG	125.50		PKPdf	13:09:27.001	-0.1	47.2		1.88		TAS				m_e	
CLL	126.20		PKPdf	13:09:28.062	0.3	47.2		1.88		TAS				m_e	
CLL	126.20		pPKPdf	13:09:39.817						T__				m_e	
CLZ	127.00		PKPdf	13:09:30.068	0.1	47.2		1.88		TAS				m_e	
FLT1	126.30		PKPdf	13:09:28.172	0.2	47.2		1.88		TAS				m_e	
FLT1	126.30		pPKPdf	13:09:39.974						T__				m_e	
GEC2	127.40		PKPdf	13:09:30.957	0.1	47.2		1.88		TAS				m_e	
GRA1	128.10		PKPdf	13:09:31.100	-0.5	47.2		1.88		TAS				m_e	
GRA1	128.10		pPKPdf	13:09:43.762						T__				m_e	
GRA1	128.10		L	14:08:39.121						T__		349.6	21.80	a_e Ms	5.0
GTTG	127.40		PKPdf	13:09:30.630	-0.7	47.2		1.88		TAS				m_e	
IBBN	127.80		PKPdf	13:09:31.257	0.3	47.2		1.88		TAS				m_e	
KAST	128.30		PKPdf	13:09:32.432		47.2		1.88		TAS				m_e	
KAST	128.30		pPKPdf	13:09:44.245						T__				m_e	
MOX	127.30		PKPdf	13:09:29.921	-0.1	47.2		1.88		TAS				m_e	
MOX	127.30		L	14:05:24.448						T__		245.8	21.50	a_e Ms	4.9
NEUB	126.80		PKPdf	13:09:29.580	-0.3	47.2		1.88		TAS				m_e	
PLN	127.10		PKPdf	13:09:29.904	0.5	47.2		1.88		TAS				m_e	

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RUE	125.00	PKPdf	13:09:25.987	-0.1	47.2	1.88	TAS	m_e
STU	129.70	PKPdf	13:09:35.177		47.2	1.88	TAS	m_e
STU	129.70	pPKPdf	13:09:47.447				T__	m_e
TANN	127.00	PKPdf	13:09:29.821	0.3	47.2	1.88	TAS	m_e
TANN	127.00	pPKPdf	13:09:41.774				T__	m_e
TNS	129.00	PKPdf	13:09:33.638		47.2	1.88	TAS	m_e
UBR	130.00	PKPdf	13:09:34.979		47.2	1.88	TAS	m_e
WET	127.70	PKPdf	13:09:31.450	0.1	47.2	1.88	TAS	m_e
WET	127.70	pPKPdf	13:09:43.074				T__	m_e

Event 20501003 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/01	15:15:38.70			21.8800	93.8900				106.2	4.0		28		66.98	72.19	m i ke	BGR
20501009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20501009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.42		P	15:26:47.772		81.1		6.15		TAS		18.1	1.22	a_e mb	5.1
ASSE	68.91		P	15:26:31.772	-0.5	81.1		6.15		TAS		11.3	1.10	a_e mb	5.0
BFO	71.08		P	15:26:45.222	0.1	81.1		6.15		TAS		6.5	0.99	a_e mb	4.7
BRG	67.06		P	15:26:20.622	-0.2	81.1		6.15		TAS		11.1	0.73	m_e mb	5.2
BSEG	68.85		P	15:26:31.772	0.1	81.1		6.15		TAS		18.1	0.86	a_e mb	5.3
BUG	71.11		P	15:26:45.572	0.5	81.1		6.15		TAS		33.8	1.40	a_e mb	5.3
CLL	67.60		P	15:26:23.522	-0.6	81.1		6.15		TAS		12.4	1.19	a_e mb	5.0
CLL	67.60		pP	15:26:50.997						T__				m_e	
CLZ	69.14		P	15:26:33.622	-0.0	81.1		6.15		TAS		13.0	0.81	a_e mb	5.2
FLT1	68.54		P	15:26:29.072	-0.8	81.1		6.15		TAS		6.6	0.90	a_e mb	4.9
FUR	69.18		P	15:26:34.154	0.4	81.1		6.15		TAS		12.1	0.65	m_e mb	5.3
GEC2	67.48		P	15:26:23.522	0.2	81.1		6.15		TAS		21.6	0.70	a_e mb	5.5
GOR1	68.40		P	15:26:28.922	-0.1	81.1		6.15		TAS		20.2	1.01	a_e mb	5.3
GRA1	68.96		P	15:26:33.122	0.6	81.1		6.15		TAS		70.6	1.71	a_e mb	5.6
GTTG	69.44		P	15:26:35.422	-0.1	81.1		6.15		TAS		32.1	1.38	a_e mb	5.4
HLG	70.23		pP	15:27:05.628						T__				m_e	
IBBN	70.65		P	15:26:42.722	-0.2	81.1		6.15		TAS		18.5	1.11	a_e mb	5.1
KAST	70.46		P	15:26:41.646	-0.1	81.1		6.15		TAS		4.3	0.81	m_e mb	4.6
MOX	68.56		P	15:26:29.972	-0.1	81.1		6.15		TAS		14.6	1.16	a_e mb	5.1
NEUB	68.38		P	15:26:28.622	-0.3	81.1		6.15		TAS		17.4	0.92	a_e mb	5.3
PLN	68.24		P	15:26:27.972	-0.1	81.1		6.15		TAS		2.9	0.80	a_e mb	4.6
RGN	67.03		P	15:26:22.153	1.7	81.1		6.15		TAS		20.7	0.76	m_e mb	5.4
RUE	66.98		P	15:26:19.772	-0.5	81.1		6.15		TAS		22.3	0.81	a_e mb	5.4
RUE	66.98		pP	15:26:45.493						T__				m_e	
STU	70.43		P	15:26:41.772	0.0	81.1		6.15		TAS		45.6	0.90	a_e mb	5.6
TANN	68.06		P	15:26:26.922	-0.1	81.1		6.15		TAS		10.1	0.92	a_e mb	5.0

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TNS	70.62	P	15:26:42.772	-0.2	81.1	6.15	TAS	20.1	1.14	a_e	mb	5.2
UBR	70.04	P	15:26:38.822	0.3	81.1	6.15	TAS	12.0	0.78	a_e	mb	5.1
WET	67.97	P	15:26:26.672	0.3	81.1	6.15	TAS	9.6	0.80	a_e	mb	5.1
WLF	72.19	P	15:26:52.922		81.1	6.15	TAS	51.4	1.11	a_e	mb	5.6

Event 20501004 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/01	17:28:59.68			48.2100	147.6400				408.1	2.0		26		70.51	77.50	m i ke	BGR
OrigID 20501010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20501010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.84	P		17:40:03.124	-0.3	28.6		5.67		TAS		15.2	0.87	a_e	mb	5.1
ASSE	73.40	P		17:39:49.174	-0.2	28.6		5.67		TAS		11.9	0.84	a_e	mb	5.0
BFO	77.46	P		17:40:11.827		28.6		5.67		TAS		10.0	0.92	m_e	mb	4.9
BRG	73.49	P		17:39:49.524	0.4	28.6		5.67		TAS		9.1	0.82	m_e	mb	4.8
BSEG	71.91	P		17:39:40.724	0.0	28.6		5.67		TAS		18.6	0.90	a_e	mb	5.2
BUG	74.97	P		17:39:58.024	0.6	28.6		5.67		TAS		22.9	1.03	a_e	mb	5.2
CLL	73.41	P		17:39:48.874	-0.0	28.6		5.67		TAS		44.1	0.71	a_e	mb	5.6
CLZ	73.73	P		17:39:51.574	0.2	28.6		5.67		TAS		23.0	0.80	a_e	mb	5.3
FLT1	73.05	P		17:39:46.724	-0.4	28.6		5.67		TAS		29.5	0.74	a_e	mb	5.5
FLT1	73.05	pP		17:41:17.118						T__				m_e		
FUR	76.70	P		17:40:08.174	-0.3	28.6		5.67		TAS		28.1	0.87	a_e	mb	5.4
FUR	76.70	pP		17:41:37.822						T__				m_e		
GEC2	75.33	P		17:40:00.124	0.4	28.6		5.67		TAS		9.1	0.78	a_e	mb	4.9
GOR1	72.45	P		17:39:44.224	0.4	28.6		5.67		TAS		19.6	0.96	a_e	mb	5.2
GRA1	75.38	P		17:40:00.874	0.1	28.6		5.67		TAS		41.8	0.75	a_e	mb	5.5
GTTG	74.12	P		17:39:53.524	0.0	28.6		5.67		TAS		24.6	1.09	a_e	mb	5.2
IBBN	74.06	P		17:39:52.924	0.1	28.6		5.67		TAS		26.9	0.79	a_e	mb	5.3
KAST	74.87	P		17:39:57.824	0.1	28.6		5.67		TAS		13.9	0.89	a_e	mb	5.0
MOX	74.42	P		17:39:55.024	-0.1	28.6		5.67		TAS		15.0	0.99	a_e	mb	5.0
NEUB	73.89	P		17:39:51.774	-0.0	28.6		5.67		TAS		27.0	0.95	a_e	mb	5.2
PLN	74.39	P		17:39:54.874	0.3	28.6		5.67		TAS		4.1	1.03	a_e	mb	4.4
RGN	70.51	P		17:39:32.624	-0.2	28.6		5.67		TAS		42.5	0.83	a_e	mb	5.6
RUE	72.16	P		17:39:42.024	-0.1	28.6		5.67		TAS		42.2	1.01	a_e	mb	5.5
STU	76.81	P		17:40:08.324	-0.5	28.6		5.67		TAS		39.5	1.03	a_e	mb	5.5
TANN	74.36	P		17:39:54.674	0.0	28.6		5.67		TAS		5.4	0.73	a_e	mb	4.7
TNS	75.73	P		17:40:02.524	0.2	28.6		5.67		TAS		16.0	0.77	a_e	mb	5.2
UBR	77.50	P		17:40:12.135		28.6		5.67		TAS		4.6	0.76	m_e	mb	4.7
WET	75.33	P		17:40:00.724	0.1	28.6		5.67		TAS		19.9	0.89	a_e	mb	5.2

Event 20501005 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/01	19:36:06.06			40.9300	42.1700				33.0			20		21.56	26.10	m i ke	BGR
OrigID 20501011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	20501011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	24.18		P	19:41:19.076	0.5	103.3		9.61		TAS		35.5	1.13	m_e	mb	4.8
BFO	25.03		P	19:41:27.301		103.3		9.61		TAS		2.2	0.87	m_e	mb	3.9
BRG	21.88		P	19:40:57.493	-0.7	103.3		9.61		TAS		8.7	0.90	m_e	mb	4.2
BSEG	24.91		P	19:41:29.461	-1.3	103.3		9.61		TAS		18.0	0.99	m_e	mb	4.8
BUG	26.10		P	19:41:37.525		103.3		9.61		TAS		15.6	0.99	m_e	mb	4.6
CLL	22.57		P	19:41:05.224	0.4	103.3		9.61		TAS		28.1	0.92	m_e	mb	4.8
CLZ	24.29		P	19:41:20.200	0.1	103.3		9.61		TAS		36.6	1.10	m_e	mb	4.8
GEC2	21.56		P	19:40:54.201	-0.3	103.3		9.61		TAS		13.3	0.89	m_e	mb	4.4
GRA1	23.31		P	19:41:11.014	2.1	103.3		9.61		TAS		10.1	0.98	m_e	mb	4.3
GTTG	24.47		P	19:41:23.210	-0.9	103.3		9.61		TAS		12.4	1.06	m_e	mb	4.4
IBBN	25.97		P	19:41:36.612		103.3		9.61		TAS		14.6	0.98	m_e	mb	4.6
KAST	25.35		P	19:41:30.622		103.3		9.61		TAS		7.4	0.85	m_e	mb	4.4
MOX	23.25		P	19:41:10.253	1.2	103.3		9.61		TAS		3.0	0.93	m_e	mb	3.8
RGN	23.48		P	19:41:12.172	-1.2	103.3		9.61		TAS		40.9	0.82	m_e	mb	5.0
RUE	22.47		P	19:41:02.367	-0.9	103.3		9.61		TAS		19.7	0.87	m_e	mb	4.5
STU	24.49		P	19:41:23.417	-1.0	103.3		9.61		TAS		31.2	0.88	m_e	mb	5.0
TANN	22.68		P	19:41:06.831	0.9	103.3		9.61		TAS		5.8	0.90	m_e	mb	4.1
TNS	25.16		P	19:41:29.700		103.3		9.61		TAS		5.4	0.95	m_e	mb	4.2
UBR	23.79		P	19:41:16.432	1.2	103.3		9.61		TAS		16.7	1.05	m_e	mb	4.5
WET	22.15		P	19:40:59.727	-0.6	103.3		9.61		TAS		3.6	0.88	m_e	mb	3.8

Event 20501006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/01	20:10:23.44			-20.9100	-173.2300				33.0			18		145.97	153.06	m i ke	BGR
OrigID 20501012																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.60		PKPbc	20:30:06.957	0.3	8.4		2.62		TAS				m_e	
BFO	152.52		PKPbc	20:30:16.570		8.4		2.62		TAS				m_e	
BRG	149.48		PKPbc	20:30:09.508		8.4		2.62		TAS				m_e	
BSEG	146.83		PKPbc	20:30:02.216	0.2	8.4		2.62		TAS				m_e	
CLL	149.18		PKPbc	20:30:08.506	-0.0	8.4		2.62		TAS				m_e	

CLZ	148.91	PKPbc	20:30:08.081		8.4	2.62	TAS	m_e
FLT1	148.36	PKPbc	20:30:05.715	0.4	8.4	2.62	TAS	m_e
FUR	152.48	PKPbc	20:30:16.863		8.4	2.62	TAS	m_e
GEC2	151.49	PKPbc	20:30:14.303		8.4	2.62	TAS	m_e
GTTG	149.23	PKPbc	20:30:08.592	0.0	8.4	2.62	TAS	m_e
IBBN	148.56	PKPbc	20:30:07.036	0.2	8.4	2.62	TAS	m_e
MOX	149.99	PKPbc	20:30:10.659		8.4	2.62	TAS	m_e
RGN	145.97	PKPbc	20:29:59.084	-0.7	8.4	2.62	TAS	m_e
STU	152.04	PKPbc	20:30:15.455		8.4	2.62	TAS	m_e
TANN	150.13	PKPbc	20:30:11.208		8.4	2.62	TAS	m_e
TNS	150.62	PKPbc	20:30:12.464		8.4	2.62	TAS	m_e
UBR	153.06	PKPbc	20:30:17.767		8.4	2.62	TAS	m_e
WET	151.32	PKPbc	20:30:13.951		8.4	2.62	TAS	m_e

Event 20501007 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/01	21:58:07.98			27.3700	140.5800				33.0			21		86.59	93.26	m i ke	BGR
OrigID 20501013																	

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 20501013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.12		P	22:11:11.610		43.3		4.66		TAS		2.8	0.67	m_e mb	4.7
ASSE	89.43		P	22:10:58.255	0.0	43.3		4.66		TAS		2.6	0.88	m_e mb	4.5
BFO	93.26		P	22:11:15.952		43.3		4.66		TAS		5.7	0.84	m_e mb	5.0
BRG	88.91		P	22:10:56.453	-0.5	43.3		4.66		TAS		6.9	0.74	m_e mb	5.0
BSEG	88.25		P	22:10:53.387	0.1	43.3		4.66		TAS		19.4	0.79	m_e mb	5.5
CLL	89.02		P	22:10:56.734	-0.2	43.3		4.66		TAS		10.6	0.81	m_e mb	5.1
CLZ	89.77		P	22:11:00.659	0.2	43.3		4.66		TAS		4.1	0.80	m_e mb	4.7
FUR	92.06		P	22:11:11.205		43.3		4.66		TAS		9.7	0.88	m_e mb	5.1
GEC2	90.45		P	22:11:03.408	0.1	43.3		4.66		TAS		4.6	0.91	m_e mb	4.8
GRA1	90.98		P	22:11:05.965	-0.4	43.3		4.66		TAS		5.8	0.83	m_e mb	4.9
GTTG	90.16		P	22:11:02.326	-0.1	43.3		4.66		TAS		3.5	0.76	m_e mb	4.7
IBBN	90.49		P	22:11:03.899	0.3	43.3		4.66		TAS		16.2	0.77	m_e mb	5.4
KAST	91.06		P	22:11:06.634	-0.7	43.3		4.66		TAS		3.2	0.81	m_e mb	4.7
MOX	90.11		P	22:11:01.969	0.2	43.3		4.66		TAS		3.6	0.82	m_e mb	4.6
NEUB	89.64		P	22:10:59.546	-0.1	43.3		4.66		TAS		14.8	0.75	m_e mb	5.3
RGN	86.59		P	22:10:45.469	-0.0	43.3		4.66		TAS		11.1	0.76	m_e mb	5.1
TANN	89.90		P	22:11:00.981	-0.2	43.3		4.66		TAS		3.1	0.83	m_e mb	4.6
TNS	91.78		P	22:11:09.692		43.3		4.66		TAS		3.7	0.89	m_e mb	4.7
UBR	92.95		P	22:11:15.977		43.3		4.66		TAS		1.8	0.72	m_e mb	4.6
WET	90.62		P	22:11:04.145	0.8	43.3		4.66		TAS		1.8	0.76	m_e mb	4.5
WLF	93.17		P	22:11:15.817		43.3		4.66		TAS		4.3	0.83	m_e mb	4.9

Event 20502005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/02	16:30:03.88			-22.8000	-180.3600				500.0				22	147.80	153.72	m i ke	BGR
OrigID 20502011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.62		PKPbc	16:48:59.142	0.3	20.6		2.38		TAS					m_e
ASSE	149.44		PKPbc	16:48:53.466	0.6	20.6		2.38		TAS					m_e
BFO	153.52		PKPbc	16:49:02.750		20.6		2.38		TAS					m_e
BRG	149.78		PKPbc	16:48:54.621	-0.0	20.6		2.38		TAS					m_e
BSEG	147.80		PKPbc	16:48:49.564	-0.2	20.6		2.38		TAS					m_e
BUG	150.72		PKPbc	16:48:56.638	0.3	20.6		2.38		TAS					m_e
CLL	149.64		PKPbc	16:48:53.857	0.1	20.6		2.38		TAS					m_e
CLZ	149.77		PKPbc	16:48:54.934	0.3	20.6		2.38		TAS					m_e
FLT1	149.12		PKPbc	16:48:52.622	-0.3	20.6		2.38		TAS					m_e
GEC2	151.65		PKPbc	16:48:59.022		20.6		2.38		TAS					m_e
GOR1	148.49		PKPbc	16:48:51.283	-0.1	20.6		2.38		TAS					m_e
GTTG	150.13		PKPbc	16:48:55.484	-0.1	20.6		2.38		TAS					m_e
HLG	147.97		PKPbc	16:48:50.039	-0.0	20.6		2.38		TAS					m_e
IBBN	149.81		PKPbc	16:48:54.295	0.0	20.6		2.38		TAS					m_e
KAST	150.76		PKPbc	16:48:56.618	-0.2	20.6		2.38		TAS					m_e
MOX	150.60		PKPbc	16:48:56.368	0.3	20.6		2.38		TAS					m_e
NEUB	150.06		PKPbc	16:48:55.088	0.3	20.6		2.38		TAS					m_e
PLN	150.61		PKPbc	16:48:56.715	0.2	20.6		2.38		TAS					m_e
TANN	150.60		PKPbc	16:48:56.733	-0.1	20.6		2.38		TAS					m_e
TNS	151.69		PKPbc	16:48:59.125	-0.1	20.6		2.38		TAS					m_e
UBR	153.72		PKPbc	16:49:03.715		20.6		2.38		TAS					m_e
WLF	152.62		PKPbc	16:49:01.626		20.6		2.38		TAS					m_e

Event 20503008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/03	21:42:25.57			-21.0300	-175.8900				10.0				12	146.72	152.89	m i ke	BGR
OrigID 20503014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.46		PKPbc	22:02:21.861		12.4		2.52		TAS					m_e
BRG	149.15		PKPbc	22:02:14.614		12.4		2.52		TAS					m_e

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BSEG	146.72	PKPbc	22:02:06.545	0.0	12.4	2.52	TAS	m_e
CLL	148.91	PKPbc	22:02:13.612	-0.8	12.4	2.52	TAS	m_e
CLZ	148.77	PKPbc	22:02:15.550	0.9	12.4	2.52	TAS	m_e
FLT1	148.19	PKPbc	22:02:11.552	-0.2	12.4	2.52	TAS	m_e
GEC2	151.12	PKPbc	22:02:19.648		12.4	2.52	TAS	m_e
IBBN	148.56	PKPbc	22:02:12.910	0.2	12.4	2.52	TAS	m_e
KAST	149.61	PKPbc	22:02:15.229		12.4	2.52	TAS	m_e
TANN	149.86	PKPbc	22:02:16.271		12.4	2.52	TAS	m_e
UBR	152.89	PKPbc	22:02:22.853		12.4	2.52	TAS	m_e
WLF	151.29	PKPbc	22:02:20.794		12.4	2.52	TAS	m_e

Event 20504009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/04	01:32:40.31			-20.9600	-179.3000				600.0			24		146.19	152.20	m i ke	BGR
20504015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.97		PKPbc	01:51:24.327	0.2	19.0		2.39		TAS					m_e
ASSE	147.86		PKPbc	01:51:18.478	0.1	19.0		2.39		TAS					a_e
BFO	151.93		PKPbc	01:51:27.878		19.0		2.39		TAS					a_e
BFO	151.93		PKPab	01:51:39.928		19.0		2.39		TAS					m_e
BRG	148.31		PKPbc	01:51:19.828	0.2	19.0		2.39		TAS					m_e
BSEG	146.19		PKPbc	01:51:13.978	-0.4	19.0		2.39		TAS					a_e
BUG	149.06		PKPbc	01:51:21.155	0.6	19.0		2.39		TAS					m_e
CLL	148.14		PKPbc	01:51:19.178	0.1	19.0		2.39		TAS					a_e
CLZ	148.19		PKPbc	01:51:20.878	-0.4	19.0		2.39		TAS					a_e
FLT1	147.56		PKPbc	01:51:17.378	1.6	19.0		2.39		TAS					a_e
FUR	151.48		PKPbc	01:51:26.978		19.0		2.39		TAS					a_e
FUR	151.48		PKPab	01:51:38.839		19.0		2.39		TAS					m_e
GEC2	150.22		PKPbc	01:51:24.378	-0.4	19.0		2.39		TAS					a_e
GRA1	150.06		PKPbc	01:51:24.128	-0.1	19.0		2.39		TAS					a_e
GRA1	150.06		PKPab	01:51:32.706		19.0		2.39		TAS					m_e
GTTG	148.54		PKPbc	01:51:20.262	-0.0	19.0		2.39		TAS					m_e
GTTG	148.54		PKPab	01:51:25.753		19.0		2.39		TAS					m_e
IBBN	148.15		PKPbc	01:51:19.177	0.1	19.0		2.39		TAS					m_e
KAST	149.13		PKPbc	01:51:21.628	0.0	19.0		2.39		TAS					a_e
MOX	149.07		PKPbc	01:51:21.628	0.3	19.0		2.39		TAS					a_e
MOX	149.07		PKPab	01:51:27.758		19.0		2.39		TAS					m_e
NEUB	148.52		PKPbc	01:51:20.178	0.3	19.0		2.39		TAS					a_e
RUE	146.88		PKPbc	01:51:15.828	-0.1	19.0		2.39		TAS					a_e
STU	151.34		PKPbc	01:51:26.728		19.0		2.39		TAS					a_e
TANN	149.10		PKPbc	01:51:21.778	0.0	19.0		2.39		TAS					a_e
TNS	150.07		PKPbc	01:51:23.928	-0.2	19.0		2.39		TAS					a_e

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UBR	152.20	PKPbc	01:51:28.478	19.0	2.39	TAS	a_e
WET	150.17	PKPbc	01:51:24.141	-0.4	19.0	2.39	m_e
WET	150.17	PKPab	01:51:33.026	19.0	2.39	TAS	m_e
WLF	150.94	PKPbc	01:51:26.328	19.0	2.39	TAS	a_e

Event 20504008 South China Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/04	21:42:25.61			19.4520	115.9630				18.7	2.1		16		81.91	87.45	m i ke	BGR
OrigID 20504014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20504014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	83.80		P	21:54:51.768	-1.5	66.4		5.07		TAS		6.1	0.98	m_e mb	4.8
BRG	82.40		P	21:54:46.930	0.2	66.4		5.07		TAS		13.0	0.80	m_e mb	5.1
BRG	82.40		pP	21:54:51.763	1.6					T__				m_e	
CLL	82.79		P	21:54:47.588	-0.2	66.4		5.07		TAS		6.7	0.89	m_e mb	4.9
CLZ	84.09		P	21:54:53.161	-1.6	66.4		5.07		TAS		11.5	0.86	m_e mb	5.1
FLT1	83.40		P	21:54:49.446	0.2	66.4		5.07		TAS		8.1	0.71	m_e mb	5.1
FLT1	83.40		pP	21:54:55.490	1.6					T__				m_e	
GEC2	83.30		P	21:54:49.724	0.3	66.4		5.07		TAS		8.3	0.91	m_e mb	5.0
GRA1	84.47		P	21:54:56.280		66.4		5.07		TAS		5.9	0.82	m_e mb	4.8
KAST	85.46		P	21:54:59.428		66.4		5.07		TAS		5.0	0.87	m_e mb	4.7
MOX	83.85		P	21:54:52.408	-1.3	66.4		5.07		TAS		6.8	0.93	m_e mb	4.9
NEUB	83.55		P	21:54:51.299	-0.3	66.4		5.07		TAS		13.8	0.87	m_e mb	5.2
RUE	81.91		P	21:54:43.930	1.6	66.4		5.07		TAS		21.9	0.86	m_e mb	5.3
TANN	83.45		P	21:54:51.019	-0.7	66.4		5.07		TAS		6.5	0.84	m_e mb	4.9
TNS	85.87		P	21:55:01.659		66.4		5.07		TAS		4.5	0.89	m_e mb	4.6
UBR	85.96		P	21:55:01.808		66.4		5.07		TAS		4.4	0.83	m_e mb	4.6
WET	83.69		P	21:54:52.056	0.4	66.4		5.07		TAS		5.5	1.01	m_e mb	4.7
WLF	87.45		P	21:55:14.428		66.4		5.07		TAS		12.1	1.02	m_e mb	5.0

Event 20505008 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/05	03:12:46.77			-23.3500	-178.8250				521.0			22		148.61	154.35	m i ke	BGR
OrigID 20505014																	

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
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ASSE	150.28	PKPbc	03:31:39.216	-0.1	20.3	2.25	TAS	m_e
ASSE	150.28	PKPab	03:31:47.998		19.9	4.24	TAS	m_e
BFO	154.35	PKPab	03:32:05.339		19.9	4.24	TAS	m_e
BRG	150.72	PKPbc	03:31:40.147	0.3	20.3	2.25	TAS	m_e
BRG	150.72	pPKPab	03:33:50.948				T__	m_e
BSEG	148.61	PKPbc	03:31:35.298	-0.4	20.3	2.25	TAS	m_e
BSEG	148.61	PKPab	03:31:41.329		19.9	4.24	TAS	m_e
CLL	150.55	PKPbc	03:31:39.692	0.4	20.3	2.25	TAS	m_e
CLL	150.55	PKPab	03:31:48.929		19.9	4.24	TAS	m_e
CLL	150.55	pPKPbc	03:33:41.782				T__	m_e
CLL	150.55	pPKPab	03:33:50.298				T__	m_e
CLZ	150.60	PKPbc	03:31:40.255	0.1	20.3	2.25	TAS	m_e
CLZ	150.60	PKPab	03:31:49.742		19.9	4.24	TAS	m_e
FLT1	149.98	PKPbc	03:31:38.285	0.0	20.3	2.25	TAS	m_e
FLT1	149.98	PKPab	03:31:46.537		19.9	4.24	TAS	m_e
FUR	153.89	PKPab	03:32:03.770		19.9	4.24	TAS	m_e
GEC2	152.62	PKPbc	03:31:43.955		20.3	2.25	TAS	m_e
GOR1	149.34	PKPbc	03:31:37.087	-0.1	20.3	2.25	TAS	m_e
GRA1	152.47	PKPab	03:31:56.268		19.9	4.24	TAS	m_e
GTTG	150.96	PKPbc	03:31:40.914	-0.0	20.3	2.25	TAS	m_e
GTTG	150.96	PKPab	03:31:51.208		19.9	4.24	TAS	m_e
HLG	148.72	PKPbc	03:31:35.479	0.0	20.3	2.25	TAS	m_e
IBBN	150.57	PKPbc	03:31:39.866	0.1	20.3	2.25	TAS	m_e
IBBN	150.57	PKPab	03:31:49.508		19.9	4.24	TAS	m_e
KAST	151.55	PKPbc	03:31:42.132		20.3	2.25	TAS	m_e
MOX	151.49	PKPbc	03:31:41.653	0.0	20.3	2.25	TAS	m_e
MOX	151.49	PKPab	03:31:53.004		19.9	4.24	TAS	m_e
NEUB	150.94	PKPbc	03:31:40.619	-0.1	20.3	2.25	TAS	m_e
NEUB	150.94	PKPab	03:31:50.734		19.9	4.24	TAS	m_e
PLN	151.52	PKPbc	03:31:41.842	0.0	20.3	2.25	TAS	m_e
PLN	151.52	PKPab	03:31:53.311		19.9	4.24	TAS	m_e
RUE	149.29	PKPbc	03:31:36.827	0.1	20.3	2.25	TAS	m_e
TANN	151.51	PKPbc	03:31:41.802	0.1	20.3	2.25	TAS	m_e
TANN	151.51	PKPab	03:31:53.339		19.9	4.24	TAS	m_e
TNS	152.50	PKPbc	03:31:44.206		20.3	2.25	TAS	m_e
TNS	152.50	PKPab	03:31:57.623		19.9	4.24	TAS	m_e
WET	152.58	PKPab	03:31:58.027		19.9	4.24	TAS	m_e

Event 20505007 D'Entrecasteaux Islands, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/05	14:05:39.69			-8.0600	152.0100				150.0			21		124.83	129.63	m i ke	BGR
	20505013																

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	125.86		PKPdf	14:24:23.490	0.5	51.4		1.99		TAS				a_e	
BFO	129.48		PKPdf	14:24:29.690		51.4		1.99		TAS				a_e	
BRG	125.04		PKPdf	14:24:21.540	-1.8	51.4		1.99		TAS				a_e	
BSEG	124.83		PKPdf	14:24:21.840	-0.2	51.4		1.99		TAS				a_e	
BUG	127.89		PKPdf	14:24:27.440		51.4		1.99		TAS				a_e	
CLL	125.25		PKPdf	14:24:21.740	0.3	51.4		1.99		TAS				m_e	
CLZ	126.19		PKPdf	14:24:24.390	0.2	51.4		1.99		TAS				a_e	
FLT1	125.47		PKPdf	14:24:22.390	-0.0	51.4		1.99		TAS				a_e	
FUR	128.06		PKPdf	14:24:28.074		51.4		1.99		TAS				m_e	
GEC2	126.36		PKPdf	14:24:23.840	0.1	51.4		1.99		TAS				a_e	
GTTG	126.57		PKPdf	14:24:25.857	0.1	51.4		1.99		TAS				m_e	
HLG	125.71		PKPdf	14:24:21.340	0.0	51.4		1.99		TAS				a_e	
KAST	127.53		PKPdf	14:24:26.790	0.7	51.4		1.99		TAS				a_e	
MOX	126.35		PKPdf	14:24:24.039	0.5	51.4		1.99		TAS				m_e	
NEUB	125.93		PKPdf	14:24:23.290	-0.4	51.4		1.99		TAS				a_e	
STU	128.75		PKPdf	14:24:28.690		51.4		1.99		TAS				a_e	
TANN	126.07		PKPdf	14:24:23.590	-0.1	51.4		1.99		TAS				a_e	
TNS	128.17		PKPdf	14:24:27.890		51.4		1.99		TAS				a_e	
UBR	128.97		PKPdf	14:24:28.840		51.4		1.99		TAS				a_e	
WET	126.62		PKPdf	14:24:24.640	-0.2	51.4		1.99		TAS				a_e	
WLF	129.63		PKPdf	14:24:31.390		51.4		1.99		TAS				a_e	

Event 20506002 Mindanao, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/06	00:02:27.60			6.5300	126.9400				68.0					101.17	101.17	m i ke	NEIC
OrigID 20506041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	101.17		Pdiff	00:16:10.653						T__				m_e	

Event 20506006 Southwestern Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/06	00:48:07.73			28.0600	63.3400				33.0					43.16	48.16	m i ke	BGR
OrigID 20506012																	

Magnitude Err Nsta Author OrigID

mb	5.0		BGR	20506012
Ms	4.2		BGR	20506012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	47.65		P	00:56:42.508		99.5		7.92		TAS		16.5	0.74	m_e	mb	5.2
ASSE	45.65		P	00:56:26.060		99.5		7.92		TAS		21.4	1.09	m_e	mb	5.1
BFO	46.62		P	00:56:33.167		99.5		7.92		TAS		4.5	0.60	m_e	mb	4.8
BRG	43.40		P	00:56:08.849		99.5		7.92		TAS		17.9	0.68	m_e	mb	4.9
BSEG	46.22		P	00:56:30.379		99.5		7.92		TAS		12.2	0.81	m_e	mb	5.0
BUG	47.63		P	00:56:42.024		99.5		7.92		TAS		32.9	0.57	m_e	mb	5.7
CLL	44.07		P	00:56:13.905		99.5		7.92		TAS		11.3	0.72	m_e	mb	4.7
CLZ	45.78		P	00:56:27.465		99.5		7.92		TAS		14.4	0.70	m_e	mb	5.1
FLT1	45.35		P	00:56:23.461		99.5		7.92		TAS		18.0	0.49	m_e	mb	5.3
FUR	44.65		P	00:56:18.069		99.5		7.92		TAS		28.1	0.57	m_e	mb	5.4
GEC2	43.16		P	00:56:06.562		99.5		7.92		TAS		14.7	0.67	m_e	mb	4.8
GOR1	45.44		P	00:56:24.286		99.5		7.92		TAS		44.6	1.24	m_e	mb	5.3
GRA1	44.90		P	00:56:20.818		99.5		7.92		TAS		18.9	0.88	m_e	mb	5.0
GRA1	44.90		L	01:05:15.894						T__		344.6	20.40	a_e	Ms	4.3
GTTG	45.98		P	00:56:29.303		99.5		7.92		TAS		22.5	0.85	m_e	mb	5.2
IBBN	47.45		P	00:56:40.229		99.5		7.92		TAS		26.1	0.75	m_e	mb	5.4
KAST	46.89		P	00:56:36.302		99.5		7.92		TAS		4.2	0.48	m_e	mb	4.8
MOX	44.80		P	00:56:20.146		99.5		7.92		TAS		41.0	0.89	m_e	mb	5.4
MOX	44.80		L	01:05:04.709						T__		280.9	21.00	a_e	Ms	4.2
NEUB	44.80		P	00:56:19.954		99.5		7.92		TAS		22.4	0.83	m_e	mb	5.1
PLN	44.43		P	00:56:16.876		99.5		7.92		TAS		8.8	1.42	m_e	mb	4.3
RUE	43.86		P	00:56:11.802		99.5		7.92		TAS		19.5	0.52	m_e	mb	5.1
STU	46.09		P	00:56:29.180		99.5		7.92		TAS		65.9	0.59	m_e	mb	5.8
TANN	44.23		P	00:56:15.070		99.5		7.92		TAS		1.0	0.43	m_e	mb	3.9
TNS	46.74		P	00:56:36.460		99.5		7.92		TAS		20.5	0.95	m_e	mb	5.2
UBR	45.37		P	00:56:23.564		99.5		7.92		TAS		20.7	0.37	m_e	mb	5.5
WET	43.74		P	00:56:10.956		99.5		7.92		TAS		1.8	0.72	m_e	mb	3.9
WLF	48.16		P	00:56:46.458		99.5		7.92		TAS		16.8	0.77	m_e	mb	5.2

Event 20506004 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/06	06:21:19.56			25.7900	65.7100				33.0			15		46.25	50.54	m i ke	BGR
20506010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20506010
Ms	4.5		BGR	20506010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	48.75		P	06:29:59.305	-0.1	98.8		7.99		TAS		62.4	1.79	m_e	mb	5.3
BRG	46.50		P	06:29:42.729		98.8		7.99		TAS		73.8	1.28	m_e	mb	5.7
CLL	47.17		P	06:29:47.671		98.8		7.99		TAS		23.6	0.98	m_e	mb	5.3
CLZ	48.88		P	06:30:00.701	-0.8	98.8		7.99		TAS		51.0	1.19	m_e	mb	5.4

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FLT1	48.45	P	06:29:56.746	0.7	98.8	7.99	TAS	43.2	1.00	m_e	mb	5.5
FUR	47.73	P	06:29:51.583		98.8	7.99	TAS			m_e		
GEC2	46.25	P	06:29:40.502		98.8	7.99	TAS	40.2	1.23	m_e	mb	5.3
GRA1	47.99	L	06:57:19.926				T__	439.4	18.30	a_e	Ms	4.5
GTTG	49.08	P	06:30:03.028	-0.2	98.8	7.99	TAS			m_e		
IBBN	50.54	P	06:30:13.647		98.8	7.99	TAS	95.4	1.61	m_e	mb	5.5
MOX	47.90	P	06:29:53.954		98.8	7.99	TAS	59.2	1.07	m_e	mb	5.6
MOX	47.90	L	06:54:31.453				T__	322.9	20.40	a_e		
NEUB	47.90	P	06:29:53.488		98.8	7.99	TAS	60.1	1.26	m_e	mb	5.6
PLN	47.53	P	06:29:50.231		98.8	7.99	TAS	9.8	1.31	m_e	mb	4.8
TANN	47.33	P	06:29:48.979		98.8	7.99	TAS	17.3	1.24	m_e	mb	5.0
TNS	49.84	P	06:30:08.612		98.8	7.99	TAS	58.1	1.45	m_e	mb	5.3
UBR	48.45	P	06:29:57.341		98.8	7.99	TAS	32.4	1.10	m_e	mb	5.4

Event 20506007 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/06	13:21:07.60			26.8200	126.5200				10.0					83.82	84.59	m i ke	NEIC
	20506046																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20506013
Ms	5.8		BGR	20506013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.59		P	13:33:43.473		60.7		4.61		TAS		7.1	0.98	m_e	mb	4.9
GRA1	84.59		L	14:14:17.187						T__		3203.1	20.30	a_e	Ms	5.7
MOX	83.82		L	14:14:04.561						T__		4343.5	19.80	a_e	Ms	5.8

Event 20506008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/06	14:03:50.79			-22.4800	171.0600				33.0				19	145.32	150.70	m i ke	BGR
	20506014																

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.71		PKPbc	14:23:28.981	0.4	35.5		2.72		TAS				m_e	
BFO	150.70		PKPbc	14:23:39.138		35.5		2.72		TAS				m_e	
BRG	146.47		PKPbc	14:23:28.376	0.1	35.5		2.72		TAS				m_e	
BSEG	145.32		PKPbc	14:23:24.570	-0.0	35.5		2.72		TAS				m_e	
CLL	146.52		PKPbc	14:23:28.183	0.3	35.5		2.72		TAS				m_e	

CLZ	147.05	PKPbc	14:23:30.183	0.2	35.5	2.72	TAS	m_e
FLT1	146.35	PKPbc	14:23:27.596	-0.2	35.5	2.72	TAS	m_e
GEC2	148.11	PKPbc	14:23:33.175		35.5	2.72	TAS	m_e
GOR1	145.78	PKPbc	14:23:26.288	-0.3	35.5	2.72	TAS	m_e
GTTG	147.44	PKPbc	14:23:31.435	-0.0	35.5	2.72	TAS	m_e
IBBN	147.51	PKPbc	14:23:31.236	0.5	35.5	2.72	TAS	m_e
KAST	148.25	PKPbc	14:23:33.554	0.3	35.5	2.72	TAS	m_e
MOX	147.57	PKPbc	14:23:31.301	0.1	35.5	2.72	TAS	m_e
NEUB	147.08	PKPbc	14:23:30.166	0.4	35.5	2.72	TAS	m_e
PLN	147.49	PKPbc	14:23:31.372	-0.5	35.5	2.72	TAS	m_e
TANN	147.43	PKPbc	14:23:31.204		35.5	2.72	TAS	m_e
UBR	150.54	PKPbc	14:23:38.997		35.5	2.72	TAS	m_e
WET	148.24	PKPbc	14:23:33.358		35.5	2.72	TAS	m_e
WLF	150.31	PKPbc	14:23:39.202		35.5	2.72	TAS	m_e

Event 20506009 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/06	17:02:01.85			-26.1600	-180.6000				500.0				14	151.02	154.91	m i ke	BGR
OrigID 20506015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	152.63		PKPbc	17:21:23.223	0.3	22.3		2.12		TAS					m_e
BRG	152.87		PKPbc	17:21:24.045	-0.0	22.3		2.12		TAS					m_e
BSEG	151.02		PKPbc	17:21:19.652	-0.2	22.3		2.12		TAS					m_e
CLL	152.77		PKPbc	17:21:23.621	-0.0	22.3		2.12		TAS					m_e
CLZ	152.96		PKPbc	17:21:24.276	-0.0	22.3		2.12		TAS					m_e
FLT1	152.31		PKPbc	17:21:22.388	0.0	22.3		2.12		TAS					m_e
GEC2	154.70		PKPbc	17:21:27.731		22.3		2.12		TAS					m_e
GOR1	151.68		PKPbc	17:21:21.309	0.1	22.3		2.12		TAS					m_e
HLG	151.23		PKPbc	17:21:20.272	-0.1	22.3		2.12		TAS					m_e
KAST	153.99		PKPbc	17:21:26.100	0.1	22.3		2.12		TAS					m_e
MOX	153.75		PKPbc	17:21:25.650	0.1	22.3		2.12		TAS					m_e
PLN	153.74		PKPbc	17:21:25.753	0.1	22.3		2.12		TAS					m_e
TANN	153.72		PKPbc	17:21:25.791	-0.0	22.3		2.12		TAS					m_e
TNS	154.91		PKPbc	17:21:28.052	-0.3	22.3		2.12		TAS					m_e

Event 20507001 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/07	11:53:56.90			26.7800	126.4600				10.0					83.82	84.59	m i ke	NEIC
OrigID																	

20507040

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20507007
Ms	5.9		BGR	20507007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.59		P	12:06:31.207		57.6		7.19		TAS		55.2	2.57	m_e	mb 5.3
GRA1	84.59		PP	12:09:47.559						T__				m_e	
GRA1	84.59		L	12:47:26.582						T__		4398.8	20.20	a_e	Ms 5.8
MOX	83.82		L	12:46:53.712						T__		5935.0	19.80	a_e	Ms 6.0

Event 20507002 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
2022/05/07	18:13:36.20			54.9600	162.5900				33.0			16		70.34	75.01	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20507008
Ms	4.2		BGR	20507008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.64		P	18:24:49.451	0.3	16.7		5.94		TAS		5.8	0.97	m_e	mb 4.7
BFO	74.70		P	18:25:12.861	-0.5	16.7		5.94		TAS		6.4	0.97	m_e	mb 4.6
BRG	71.22		P	18:24:52.405	-0.2	16.7		5.94		TAS		4.0	0.79	m_e	mb 4.6
CLL	70.99		P	18:24:50.881	-0.4	16.7		5.94		TAS		22.9	1.23	m_e	mb 5.2
CLZ	70.96		P	18:24:51.382	0.3	16.7		5.94		TAS		13.3	1.08	m_e	mb 5.0
FLT1	70.34		P	18:24:46.899	-0.5	16.7		5.94		TAS		3.3	0.65	m_e	mb 4.6
GEC2	73.20		P	18:25:04.467	0.1	16.7		5.94		TAS		8.1	1.07	m_e	mb 4.8
GRA1	72.87		P	18:25:02.900	0.4	16.7		5.94		TAS		8.2	0.61	m_e	mb 5.0
GRA1	72.87		L	18:57:08.024						T__		130.8	21.90	a_e	Ms 4.2
IBBN	70.95		P	18:24:50.921	0.0	16.7		5.94		TAS		7.7	0.70	m_e	mb 4.9
KAST	71.91		P	18:24:56.915	0.2	16.7		5.94		TAS		3.1	0.82	m_e	mb 4.5
MOX	71.89		P	18:24:56.559	-0.1	16.7		5.94		TAS		12.4	1.12	m_e	mb 4.9
MOX	71.89		L	19:00:19.673						T__		136.6	21.00	a_e	Ms 4.2
PLN	71.94		P	18:24:57.026	0.1	16.7		5.94		TAS		3.8	1.07	m_e	mb 4.5
TANN	71.95		P	18:24:56.927	-0.0	16.7		5.94		TAS		3.1	0.85	m_e	mb 4.5
TNS	72.85		P	18:25:02.391	0.1	16.7		5.94		TAS		4.5	0.90	m_e	mb 4.6
UBR	75.01		P	18:25:15.029	-0.2	16.7		5.94		TAS		6.3	0.91	m_e	mb 4.6
WET	73.08		P	18:25:04.018	0.3	16.7		5.94		TAS		6.5	0.89	m_e	mb 4.8

Event 20508001 North of Panama

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	00:25:50.50			10.6280	-81.8110				10.0			22		80.68	85.68	m i ke	BGR
OrigID 20508007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20508007
Ms	4.5		BGR	20508007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	83.21		P	00:38:17.169	0.1	279.2		5.10		TAS		10.6	1.00	m_e	mb 5.0
BFO	82.25		P	00:38:11.249	-0.8	279.2		5.10		TAS		7.8	1.21	m_e	mb 4.7
BRG	85.44		P	00:38:28.051		279.2		5.10		TAS		20.4	1.30	m_e	mb 5.2
BUG	81.20		P	00:38:06.607	-0.1	279.2		5.10		TAS		8.2	0.89	m_e	mb 4.8
CLL	84.78		P	00:38:24.318		279.2		5.10		TAS		27.5	1.28	m_e	mb 5.3
CLZ	83.07		P	00:38:16.138	0.2	279.2		5.10		TAS		31.4	1.72	m_e	mb 5.3
FLT1	83.52		P	00:38:18.032	0.1	279.2		5.10		TAS		7.9	1.09	m_e	mb 4.9
GEC2	85.68		P	00:38:28.787		279.2		5.10		TAS		11.8	1.21	m_e	mb 4.9
GRA1	83.93		P	00:38:20.550	-0.3	279.2		5.10		TAS		14.8	1.13	m_e	mb 5.1
GRA1	83.93		L	01:10:52.186						T__		259.4	21.50	a_e	Ms 4.6
GRB5	84.32		P	23:18:30.711		279.2		5.10		TAS				m_e	
GTTG	82.86		P	00:38:14.056	-0.2	279.2		5.10		TAS		6.7	1.02	m_e	mb 4.8
IBBN	81.41		P	00:38:07.309	0.0	279.2		5.10		TAS		17.9	1.37	m_e	mb 4.9
KAST	81.95		P	00:38:10.122	-0.5	279.2		5.10		TAS		14.4	1.55	m_e	mb 4.9
MOX	84.03		P	00:38:20.932	0.0	279.2		5.10		TAS		17.5	1.38	m_e	mb 5.1
MOX	84.03		L	01:12:20.912						T__		162.1	20.00	a_e	Ms 4.4
NEUB	84.03		P	00:38:21.025	0.2	279.2		5.10		TAS		14.3	1.08	m_e	mb 5.1
PLN	84.40		P	00:38:22.576		279.2		5.10		TAS		6.1	1.20	m_e	mb 4.7
RUE	85.03		P	00:38:25.918		279.2		5.10		TAS		7.9	0.49	m_e	mb 5.2
STU	82.76		P	00:38:14.644	0.2	279.2		5.10		TAS		25.6	0.83	m_e	mb 5.5
TANN	84.60		P	00:38:23.875		279.2		5.10		TAS		20.8	1.28	m_e	mb 5.2
TNS	82.09		P	00:38:10.934	0.3	279.2		5.10		TAS		8.6	1.15	m_e	mb 4.8
UBR	83.52		P	00:38:18.405	-0.1	279.2		5.10		TAS		19.5	1.28	m_e	mb 5.2
WET	85.09		P	00:38:26.466		279.2		5.10		TAS		26.5	1.22	m_e	mb 5.3
WLF	80.68		P	00:38:03.584	-0.1	279.2		5.10		TAS		14.7	1.20	m_e	mb 4.9

Event 20508002 Talaud Islands, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	02:29:03.30			3.6700	126.9400				40.0					102.85	103.45	m i ke	NEIC
OrigID 20508041																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	20508008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	103.45	Pdiff	02:43:00.610	T__													m_e	
GRA1	103.45	L	03:36:56.721	T__	408.8	21.50	a_e Ms											4.9
MOX	102.85	L	03:35:44.051	T__	524.3	20.60	a_e Ms											5.0

Event 20508004 Virgin Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	13:32:52.60			18.2100	-64.5400				26.5	4.2		16		63.87	68.85	m i ke	BGR
OrigID 20508010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20508010
Ms	4.1		BGR	20508010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	64.50		P	13:43:28.083	0.3	270.7		6.37		TAS		29.5	0.98	m_e mb	5.5
ASSE	66.78		P	13:43:42.441	0.4	270.7		6.37		TAS		30.4	1.06	m_e mb	5.5
BFO	65.28		P	13:43:31.984	-0.3	270.7		6.37		TAS		7.2	1.26	m_e mb	4.8
BFO	65.28		pP	13:43:40.625						T__				m_e	
BRG	68.85		P	13:43:55.416	0.0	270.7		6.37		TAS		10.5	0.84	m_e mb	5.1
BSEG	66.57		P	13:43:40.797	-0.1	270.7		6.37		TAS		14.1	0.87	m_e mb	5.2
CLL	68.24		P	13:43:51.424	-0.1	270.7		6.37		TAS		11.2	0.86	m_e mb	5.1
CLZ	66.59		P	13:43:41.402	0.2	270.7		6.37		TAS		15.6	1.04	m_e mb	5.2
FLT1	67.12		P	13:43:43.998	-0.3	270.7		6.37		TAS		17.9	0.98	m_e mb	5.3
GEC2	68.82		P	13:43:55.027	0.0	270.7		6.37		TAS		14.9	1.55	m_e mb	5.0
GEC2	68.82		pP	13:44:01.800						T__				m_e	
GRA1	67.16		L	14:06:40.346						T__		120.9	21.70	a_e Ms	4.1
IBBN	64.99		P	13:43:30.447	-0.1	270.7		6.37		TAS		28.2	1.08	m_e mb	5.4
KAST	65.36		P	13:43:32.816	-0.2	270.7		6.37		TAS		9.1	0.89	m_e mb	5.0
KAST	65.36		pP	13:43:40.315						T__				m_e	
MOX	67.39		L	14:08:03.178						T__		126.3	19.90	a_e Ms	4.1
PLN	67.74		P	13:43:48.150	-0.2	270.7		6.37		TAS		1.8	0.95	m_e mb	4.3
TANN	67.93		P	13:43:49.474	0.1	270.7		6.37		TAS		12.6	1.15	m_e mb	5.0
TNS	65.37		P	13:43:33.385	0.2	270.7		6.37		TAS		19.4	1.12	m_e mb	5.2
TNS	65.37		pP	13:43:40.808						T__				m_e	
WET	68.26		P	13:43:51.783	0.2	270.7		6.37		TAS		13.1	1.32	m_e mb	5.0
WLF	63.87		P	13:43:23.270	-0.1	270.7		6.37		TAS		15.5	0.96	m_e mb	5.2
WLF	63.87		pP	13:43:30.258						T__				m_e	

Event 20508005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	17:51:52.00			-22.7070	170.0920				10.0					147.40	148.31	m i ke	USGS
OrigID																	

20508023

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	20508011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	148.31		PKPbc	18:11:38.765		39.4		2.26		TAS				m_e	
GRA1	148.31		L	19:11:35.935						T__		48.3	21.50	a_e	Ms 4.3
MOX	147.40		L	19:16:09.990						T__		40.6	20.90	a_e	Ms 4.2

Event 20508006 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	21:13:56.10			70.7900	-16.3100				10.0			26		19.77	26.34	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20508012
Ms	4.1		BGR	20508012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.98		P	21:19:01.311	1.1	338.9		9.76		TAS		51.3	1.52	m_e	mb 4.8
ASSE	22.32		P	21:18:53.315	0.1	338.9		9.76		TAS		107.2	1.63	m_e	mb 5.0
BFO	25.34		P	21:19:23.701	-0.3	338.9		9.76		TAS		46.2	1.40	m_e	mb 5.0
BRG	24.29		P	21:19:13.578	0.1	338.9		9.76		TAS		125.1	1.99	m_e	mb 5.1
BUG	22.18		P	21:18:52.197	-1.2	338.9		9.76		TAS		118.7	1.32	m_e	mb 5.2
CLL	23.65		P	21:19:08.516	0.0	338.9		9.76		TAS		49.0	1.20	m_e	mb 4.9
CLZ	22.51		P	21:18:55.682	1.5	338.9		9.76		TAS		32.2	1.03	m_e	mb 4.8
FLT1	22.28		P	21:18:53.045	-0.8	338.9		9.76		TAS		58.9	1.24	m_e	mb 4.9
FUR	26.15		P	21:19:32.093		338.9		9.76		TAS		56.4	1.12	m_e	mb 5.1
GEC2	26.10		P	21:19:31.306		338.9		9.76		TAS		78.8	1.52	m_e	mb 5.1
GOR1	21.69		P	21:18:48.265	-1.6	338.9		9.76		TAS		463.8	2.01	m_e	mb 5.6
GRA1	24.71		P	21:19:18.704	-1.0	338.9		9.76		TAS		95.0	1.33	m_e	mb 5.3
GRA1	24.71		L	21:27:47.080						T__		637.6	20.90	a_e	Ms 4.1
GTTG	22.69		P	21:18:58.703	0.2	338.9		9.76		TAS		130.2	1.29	m_e	mb 5.3
HLG	19.77		P	21:18:30.442	0.4	338.9		9.76		TAS		145.5	1.06	m_e	mb 5.1
IBBN	21.48		P	21:18:47.168	-1.3	338.9		9.76		TAS		36.0	1.16	m_e	mb 4.7
KAST	22.65		P	21:18:57.327	0.6	338.9		9.76		TAS		90.4	1.79	m_e	mb 5.0
MOX	23.92		P	21:19:11.064	0.2	338.9		9.76		TAS		56.6	1.40	m_e	mb 4.9
MOX	23.92		L	21:27:21.855						T__		867.2	21.80	a_e	Ms 4.2
NEUB	23.45		P	21:19:06.036	0.5	338.9		9.76		TAS		87.4	1.19	m_e	mb 5.2
PLN	24.20		P	21:19:13.177	0.3	338.9		9.76		TAS		36.9	1.61	m_e	mb 4.7
RUE	22.79		P	21:18:59.705	1.2	338.9		9.76		TAS		143.9	1.57	m_e	mb 5.3
STU	25.11		P	21:19:22.036	-0.3	338.9		9.76		TAS		170.4	1.53	m_e	mb 5.5
TANN	24.34		P	21:19:14.683	0.0	338.9		9.76		TAS		85.6	1.46	m_e	mb 5.1
TNS	23.58		P	21:19:08.212	0.5	338.9		9.76		TAS		293.1	2.57	m_e	mb 5.4

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UBR	26.34	P	21:19:33.908	338.9	9.76	TAS	57.0	1.49	m_e	mb	5.0
WET	25.62	P	21:19:26.098	-0.1 338.9	9.76	TAS	76.8	1.39	m_e	mb	5.1
WLF	23.62	P	21:19:06.507	0.2 338.9	9.76	TAS	59.8	1.56	m_e	mb	4.9

Event 20508007 Halmahera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	21:51:39.20			1.8300	127.1700				34.0			17		102.55	106.11	m i ke	NEIC
OrigID 20508046																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	20508013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	104.45		Pdiff	22:05:39.063	0.0					T__				m_e	
BRG	103.00		Pdiff	22:05:32.652	-0.2					T__				m_e	
BSEG	103.94		Pdiff	22:05:37.121						T__				m_e	
CLL	103.41		Pdiff	22:05:34.060	-0.5					T__				m_e	
CLZ	104.74		Pdiff	22:05:40.568	0.3					T__				m_e	
FLT1	104.06		Pdiff	22:05:36.953						T__				m_e	
GEC2	103.83		Pdiff	22:05:36.500	0.1					T__				m_e	
GOR1	103.77		Pdiff	22:05:36.677						T__				m_e	
GRA1	105.06		L	22:58:14.542						T__		372.7	22.00	a_e Ms	4.9
GTTG	105.09		Pdiff	22:05:42.645	-0.2					T__				m_e	
IBBN	106.02		Pdiff	22:05:46.248	0.5					T__				m_e	
KAST	106.11		Pdiff	22:05:46.885	-0.0					T__				m_e	
MOX	104.47		Pdiff	22:05:38.979	0.5					T__				m_e	
MOX	104.47		L	23:00:40.142						T__		504.6	21.60	a_e Ms	5.0
NEUB	104.17		Pdiff	22:05:37.886	0.0					T__				m_e	
PLN	104.20		Pdiff	22:05:38.119	-0.1					T__				m_e	
RUE	102.55		Pdiff	22:05:30.962						T__				m_e	
TANN	104.05		Pdiff	22:05:37.206	0.1					T__				m_e	
WET	104.24		Pdiff	22:05:38.557	0.3					T__				m_e	

Event 20508008 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	23:33:17.23			70.6700	-13.3700				10.0			26		19.79	25.62	m i ke	BGR
OrigID 20508014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20508014
Ms	4.6		BGR	20508014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.28		P	23:38:13.821	1.6	340.5		10.10		TAS		47.3	1.14	m_e mb	4.8
ASSE	21.55		P	23:38:06.551	-0.6	340.5		10.10		TAS		117.4	1.63	m_e mb	5.1
BFO	24.64		P	23:38:37.888		340.5		10.10		TAS		38.6	1.04	m_e mb	5.1
BRG	23.48		P	23:38:26.995	0.6	340.5		10.10		TAS		125.0	1.93	m_e mb	5.1
BSEG	19.79		P	23:37:49.186	1.8	340.5		10.10		TAS		78.0	1.22	m_e mb	4.8
BUG	21.47		P	23:38:06.195	2.0	340.5		10.10		TAS		100.6	1.15	m_e mb	5.0
CLL	22.85		P	23:38:21.527	0.3	340.5		10.10		TAS		110.4	1.62	m_e mb	5.1
CLZ	21.75		P	23:38:08.835	0.9	340.5		10.10		TAS		34.5	0.89	m_e mb	4.8
FLT1	21.49		P	23:38:05.667	1.9	340.5		10.10		TAS		38.7	0.90	m_e mb	4.8
FUR	25.40		P	23:38:45.753		340.5		10.10		TAS		91.0	1.01	m_e mb	5.5
GEC2	25.31		P	23:38:45.261	-1.4	340.5		10.10		TAS		81.3	1.32	m_e mb	5.3
GOR1	20.90		P	23:38:01.103	-0.0	340.5		10.10		TAS		430.3	2.11	m_e mb	5.4
GRA1	23.95		P	23:38:32.216	-0.4	340.5		10.10		TAS		11.3	1.07	m_e mb	4.3
GRA1	23.95		L	23:47:31.781						T__		1826.2	20.20	a_e Ms	4.5
GTTG	21.93		P	23:38:13.890	-1.7	340.5		10.10		TAS		194.9	1.26	m_e mb	5.4
IBBN	20.75		P	23:37:59.819	-1.3	340.5		10.10		TAS		28.8	1.08	m_e mb	4.5
KAST	21.92		P	23:38:10.075	0.1	340.5		10.10		TAS		42.1	1.12	m_e mb	4.8
MOX	23.14		P	23:38:24.240	0.1	340.5		10.10		TAS		43.6	1.18	m_e mb	4.9
MOX	23.14		L	23:46:46.531						T__		2354.3	20.70	a_e Ms	4.6
NEUB	22.67		P	23:38:21.300	-0.9	340.5		10.10		TAS		94.3	1.07	m_e mb	5.2
PLN	23.42		P	23:38:27.412	3.3	340.5		10.10		TAS		16.2	1.06	m_e mb	4.5
RUE	21.97		P	23:38:12.685	-1.5	340.5		10.10		TAS		26.9	0.91	m_e mb	4.7
STU	24.39		P	23:38:36.165	-0.3	340.5		10.10		TAS		163.5	0.99	m_e mb	5.5
TANN	23.55		P	23:38:28.201	-0.2	340.5		10.10		TAS		67.1	1.18	m_e mb	5.1
TNS	22.86		P	23:38:22.628	-0.2	340.5		10.10		TAS		25.2	0.99	m_e mb	4.7
UBR	25.62		P	23:38:48.749		340.5		10.10		TAS		83.1	1.41	m_e mb	5.2
WET	24.84		P	23:38:40.992	-0.7	340.5		10.10		TAS		196.3	1.87	m_e mb	5.5
WLF	22.94		P	23:38:23.827	-0.5	340.5		10.10		TAS		46.3	1.20	m_e mb	4.9

Event 20508009 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/08	23:50:16.10		69.5660	-15.8680					10.0			14		21.16	25.34	m i ke	BGR
20508015																	

Magnitude Err Nsta Author
 mb 4.4 BGR
 OrigID 20508015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	24.31		P	23:55:33.552		336.7		9.72		TAS		4.2	0.84	m_e mb	4.0
BRG	23.41		P	23:55:22.684		336.7		9.72		TAS		4.8	0.94	m_e mb	4.0
BUG	21.16		P	23:55:01.325	1.4	336.7		9.72		TAS		28.8	1.16	m_e mb	4.5
CLL	22.76		P	23:55:19.004	0.0	336.7		9.72		TAS		6.8	0.88	m_e mb	4.2
CLZ	21.57		P	23:55:07.033	1.1	336.7		9.72		TAS		11.2	1.03	m_e mb	4.2

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FLT1	21.36	P	23:55:02.238	-0.0	336.7	9.72	TAS	35.7	1.40	m_e	mb	4.5
FUR	25.18	P	23:55:41.557		336.7	9.72	TAS	9.9	1.10	m_e	mb	4.5
GRA1	23.76	P	23:55:28.244		336.7	9.72	TAS	11.1	1.10	m_e	mb	4.3
GTTG	21.74	P	23:55:07.721	0.7	336.7	9.72	TAS	36.1	1.26	m_e	mb	4.7
KAST	21.66	P	23:55:08.130	-2.9	336.7	9.72	TAS	19.1	1.31	m_e	mb	4.4
STU	24.10	P	23:55:31.316		336.7	9.72	TAS	21.9	1.04	m_e	mb	4.6
TANN	23.42	P	23:55:24.238		336.7	9.72	TAS	17.2	1.31	m_e	mb	4.4
UBR	25.34	P	23:55:39.821		336.7	9.72	TAS	51.5	2.29	m_e	mb	4.8
WET	24.69	P	23:55:37.789		336.7	9.72	TAS	15.4	1.37	m_e	mb	4.5

Event 20509001 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/09	06:23:06.51			24.0990	122.5290				33.0			25		82.50	87.37	m i ke	BGR
20509007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	20509007
MBB	6.5		BGR	20509007
Ms	6.7		BGR	20509007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.38		P	06:35:44.818	0.2	58.7		5.05		TAS		136.8	1.12	m_e	MBB	6.4
ASSE	83.63		P	06:35:30.258	-0.5	58.7		5.05		TAS		466.6	2.70	m_e	MBB	6.5
BFO	86.94		P	06:35:46.838	-0.6	58.7		5.05		TAS		108.9	1.33	m_e	MBB	6.3
BRG	82.50		P	06:35:25.061	0.0	58.7		5.05		TAS		110.1	1.33	m_e	MBB	6.5
BSEG	82.86		P	06:35:27.001	0.2	58.7		5.05		TAS		188.7	1.14	m_e	MBB	6.7
BUG	85.77		P	06:35:41.805	0.2	58.7		5.05		TAS		333.5	1.21	m_e	MBB	6.6
CLL	82.80		P	06:35:26.331	-0.2	58.7		5.05		TAS		122.8	1.30	m_e	MBB	6.5
CLZ	83.94		P	06:35:32.613	0.3	58.7		5.05		TAS		167.4	1.29	m_e	MBB	6.6
FLT1	83.23		P	06:35:28.352	-0.3	58.7		5.05		TAS		79.3	1.10	m_e	MBB	6.5
FUR	85.37		P	06:35:40.097	0.6	58.7		5.05		TAS		427.3	1.10	m_e	MBB	6.9
GEC2	83.64		P	06:35:31.060	0.3	58.7		5.05		TAS		185.3	1.06	m_e	MBB	6.5
GOR1	82.85		P	06:35:27.142	0.4	58.7		5.05		TAS		189.3	1.19	m_e	MBB	6.7
GRA1	84.61		P	06:35:36.199	0.5	58.7		5.05		TAS		247.0	1.22	m_e	mb	6.3
GRA1	84.61		L	07:17:55.384						T__		25110.0	18.50	a_e	Ms	6.6
GTTG	84.31		P	06:35:33.915	-0.2	58.7		5.05		TAS		118.5	1.09	m_e	MBB	6.6
IBBN	85.04		P	06:35:37.992	0.1	58.7		5.05		TAS		209.4	1.11	m_e	MBB	6.7
KAST	85.31		P	06:35:39.155	-0.1	58.7		5.05		TAS		127.3	1.23	m_e	MBB	6.5
MOX	83.89		P	06:35:31.673	-0.4	58.7		5.05		TAS		72.6	1.07	m_e	MBB	6.5
MOX	83.89		L	07:17:27.699						T__		33730.4	18.20	a_e	Ms	6.8
NEUB	83.53		P	06:35:29.787	-0.4	58.7		5.05		TAS		175.8	1.10	m_e	MBB	6.6
PLN	83.68		P	06:35:30.813	-0.2	58.7		5.05		TAS		30.3	1.08	m_e	MBB	6.0
STU	86.22		P	06:35:43.836	0.0	58.7		5.05		TAS		280.7	1.19	m_e	MBB	6.8
TANN	83.55		P	06:35:30.382	0.1	58.7		5.05		TAS		83.5	1.21	m_e	MBB	6.5
TNS	85.83		P	06:35:41.837	-0.0	58.7		5.05		TAS		144.9	1.28	m_e	MBB	6.5

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UBR	86.29	P	06:35:44.007	-0.2	58.7	5.05	TAS	183.4	1.26	m_e	MBB	6.5
WET	83.96	P	06:35:32.345	-0.0	58.7	5.05	TAS	116.3	1.27	m_e	MBB	6.5
WLF	87.37	P	06:35:49.738	0.1	58.7	5.05	TAS	439.4	1.21	m_e	mb	6.5

Event 20509003 Near south coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/09	08:33:50.04			34.6360	139.4940				33.0					84.25	84.25	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20509009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.25		P	08:46:17.709		48.5		4.68		TAS		16.9	1.12	m_e	mb 5.2

Event 20509004 France

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/09	11:13:43.09	1.48	1.33	46.3450	2.8290	21.1	16.7	102	10.0				8 320	4.00	7.59	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	20509010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	5.06		Sg	11:16:22.058	-1.5					T__				m_e	ML 4.3
BFO	4.23		Sg	11:15:59.724	2.3					T__				m_e	
BFO	4.23		Pg	11:15:02.939	0.2					T__				m_e	ML 3.9
MOX	7.25		Sg	11:17:32.316	-0.6					T__				m_e	ML 4.0
PLN	7.46		Sg	11:17:38.132	-1.5					T__				m_e	ML 3.6
TANN	7.59		Sg	11:17:42.319	-1.6					T__				m_e	ML 4.2
TNS	5.39		Sg	11:16:36.016	1.8					T__				m_e	ML 4.3
UBR	5.15		Pg	11:15:19.710	-0.4					T__				m_e	
WLF	4.00		Sg	11:15:51.116	1.1					T__				m_e	
WLF	4.00		Pg	11:14:58.539	0.2					T__				m_e	ML 4.2

Event 20509005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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2022/05/09 11:59:50.12
20509011

-20.7130 -178.2700

600.0

16

146.11 152.17 m i ke BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.80		PKPbc	12:18:28.196	-0.4	18.0		2.45		TAS				m_e	
BRG	148.33		PKPbc	12:18:30.023	0.1	18.0		2.45		TAS				m_e	
BSEG	146.11		PKPbc	12:18:24.150	-0.3	18.0		2.45		TAS				m_e	
CLL	148.13		PKPbc	12:18:29.436	0.2	18.0		2.45		TAS				m_e	
CLZ	148.12		PKPbc	12:18:29.652	0.1	18.0		2.45		TAS				m_e	
FLT1	147.51		PKPbc	12:18:27.482	-0.3	18.0		2.45		TAS				m_e	
GEC2	150.26		PKPbc	12:18:34.415		18.0		2.45		TAS				m_e	
GOR1	146.86		PKPbc	12:18:26.312	0.1	18.0		2.45		TAS				m_e	
GTTG	148.47		PKPbc	12:18:30.367	0.2	18.0		2.45		TAS				m_e	
KAST	149.03		PKPbc	12:18:31.732	0.3	18.0		2.45		TAS				m_e	
MILB	150.25		PKPbc	12:18:34.610		18.0		2.45		TAS				m_e	
NEUB	148.49		PKPbc	12:18:30.406	0.0	18.0		2.45		TAS				m_e	
PLN	149.09		PKPbc	12:18:31.966	-0.0	18.0		2.45		TAS				m_e	
TANN	149.09		PKPbc	12:18:31.923	-0.2	18.0		2.45		TAS				m_e	
TNS	149.99		PKPbc	12:18:34.009	-0.4	18.0		2.45		TAS				m_e	
UBR	152.17		PKPbc	12:18:38.828		18.0		2.45		TAS				m_e	
WLF	150.81		PKPbc	12:18:36.509		18.0		2.45		TAS				m_e	

Event 20509006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/09	14:15:02.68		-16.9810	-173.3710					33.0			17		144.69	149.16	m i ke	BGR
OrigID																	
20509012																	

Magnitude Err Nsta Author OrigID
Ms 4.2 BGR 20509012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.69		PKPbc	14:34:34.856	-0.3	8.1		2.90		TAS				m_e	
BFO	148.61		PKPbc	14:34:46.416	-0.2	8.1		2.90		TAS				m_e	
BRG	145.59		PKPbc	14:34:37.655	-0.2	8.1		2.90		TAS				m_e	
BUG	145.52		PKPbc	14:34:37.497	-0.3	8.1		2.90		TAS				m_e	
CLL	145.29		PKPbc	14:34:36.487	-0.4	8.1		2.90		TAS				m_e	
CLZ	145.00		PKPbc	14:34:35.999	-0.0	8.1		2.90		TAS				m_e	
GEC2	147.61		PKPbc	14:34:43.600	-0.1	8.1		2.90		TAS				m_e	
GRA1	147.07		L	15:04:33.272						T__		39.3	19.80	a_e Ms	4.2
GTTG	145.32		PKPbc	14:34:37.188	0.2	8.1		2.90		TAS				m_e	
KAST	145.73		PKPbc	14:34:38.190	-0.1	8.1		2.90		TAS				m_e	
MOX	146.09		PKPbc	14:34:39.341	0.2	8.1		2.90		TAS				m_e	
MOX	146.09		L	15:03:39.536						T__		37.2	18.90	a_e Ms	4.2

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NEUB	145.53	PKPbc	14:34:37.508	-0.0	8.1	2.90	TAS	m_e
PLN	146.19	PKPbc	14:34:39.866	0.4	8.1	2.90	TAS	m_e
TANN	146.23	PKPbc	14:34:39.976	0.4	8.1	2.90	TAS	m_e
TNS	146.71	PKPbc	14:34:41.368	0.2	8.1	2.90	TAS	m_e
UBR	149.16	PKPbc	14:34:47.709	-0.4	8.1	2.90	TAS	m_e
WET	147.43	PKPbc	14:34:43.336	0.2	8.1	2.90	TAS	m_e
WLF	147.30	PKPbc	14:34:43.425	0.3	8.1	2.90	TAS	m_e

Event 20509007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/09	22:10:59.10			-22.5700	170.5200				33.0			14		145.23	150.39	m i ke	BGR
OrigID 20509013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	146.33		PKPbc	22:30:36.216	0.1	36.3		2.75		TAS				m_e	
BSEG	145.23		PKPbc	22:30:32.695	0.1	36.3		2.75		TAS				m_e	
CLL	146.38		PKPbc	22:30:36.168	0.4	36.3		2.75		TAS				m_e	
CLZ	146.95		PKPbc	22:30:38.183	0.0	36.3		2.75		TAS				m_e	
FLT1	146.24		PKPbc	22:30:35.555	0.4	36.3		2.75		TAS				m_e	
GEC2	147.94		PKPbc	22:30:40.670		36.3		2.75		TAS				m_e	
IBBN	147.43		PKPbc	22:30:39.124		36.3		2.75		TAS				m_e	
KAST	148.16		PKPbc	22:30:41.117		36.3		2.75		TAS				m_e	
MOX	147.45		PKPbc	22:30:39.158		36.3		2.75		TAS				m_e	
NEUB	146.95		PKPbc	22:30:37.917	-0.1	36.3		2.75		TAS				m_e	
PLN	147.36		PKPbc	22:30:39.326		36.3		2.75		TAS				m_e	
TANN	147.29		PKPbc	22:30:38.869	0.2	36.3		2.75		TAS				m_e	
UBR	150.39		PKPbc	22:30:46.919		36.3		2.75		TAS				m_e	
WLF	150.22		PKPbc	22:30:47.041		36.3		2.75		TAS				m_e	

Event 20509008 Bismarck Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/09	22:33:06.80			-3.3700	146.3500				10.0			1		119.47	120.23	m i ke	NEIC
OrigID 20509047																	

Magnitude Err Nsta Author OrigID
Ms 6.6 BGR 20509014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	120.23		PKPdf	22:52:00.466		48.6		1.14		TAS				m_e	

GRA1	120.23	L	23:46:38.226	T__	13013.7	19.70	a_e Ms	6.6
MOX	119.47	L	23:45:02.753	T__	16059.0	21.50	a_e Ms	6.6

Event 20510001 Santiago del Estero Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/10	08:41:41.27			-29.4790	-65.5890				600.0					104.13	104.13	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	104.13		Pdiff	08:54:56.238						T__				m_e	
GRA1	104.13		PP	08:59:09.497						T__				m_e	

Event 20510002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/10	13:18:01.51			-20.4080	169.4690				10.0					145.08	145.99	m i ke	BGR

Magnitude Err Nsta Author OrigID
Ms 5.5 BGR 20510008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.99		PKPbc	13:37:40.808		46.1		2.79		TAS				m_e	
GRA1	145.99		L	14:42:29.045						T__		755.9	21.80	a_e Ms	5.4
MOX	145.08		L	14:56:45.193						T__		920.0	19.90	a_e Ms	5.5

Event 20510004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/10	21:19:04.92			49.2440	155.1550				150.0					76.57	76.57	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 20510010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.57		P	21:30:37.371		22.1		4.86		TAS		7.4	0.94	m_e mb	4.8

Event 20510006 Jujuy Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/10	23:06:29.10			-23.6100	-66.7200				194.0			22		97.36	102.90	m i ke	NEIC
OrigID																	
20510045																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	98.29		Pdiff	23:19:44.634		247.0		4.58		TAS					m_e
AHRW	98.29		PP	23:23:42.935	-0.4	246.3		7.85		TAS					m_e
ASSE	101.01		Pdiff	23:19:56.808		247.0		4.58		TAS					m_e
BFO	98.03		Pdiff	23:19:43.529		247.0		4.58		TAS					m_e
BFO	98.03		PP	23:23:41.585		246.3		7.85		TAS					m_e
BRG	102.40		Pdiff	23:20:03.998		247.0		4.58		TAS					m_e
BRG	102.40		PP	23:24:15.795		246.3		7.85		TAS					m_e
BSEG	101.55		Pdiff	23:19:59.409		247.0		4.58		TAS					m_e
BSEG	101.55		PP	23:24:08.526		246.3		7.85		TAS					m_e
BUG	98.81		Pdiff	23:19:47.233		247.0		4.58		TAS					m_e
BUG	98.81		PP	23:23:47.378		246.3		7.85		TAS					m_e
CLL	102.01		Pdiff	23:20:02.174		247.0		4.58		TAS					m_e
CLL	102.01		PP	23:24:12.608		246.3		7.85		TAS					m_e
CLZ	100.72		Pdiff	23:19:55.965		247.0		4.58		TAS					m_e
CLZ	100.72		PP	23:24:02.640		246.3		7.85		TAS					m_e
FLT1	101.41		Pdiff	23:19:58.846		247.0		4.58		TAS					m_e
FLT1	101.41		PP	23:24:07.572		246.3		7.85		TAS					m_e
FUR	99.74		Pdiff	23:19:51.826		247.0		4.58		TAS					m_e
FUR	99.74		PP	23:23:53.614		246.3		7.85		TAS					m_e
GEC2	101.48		Pdiff	23:19:59.096		247.0		4.58		TAS					m_e
GEC2	101.48		PP	23:24:08.600		246.3		7.85		TAS					m_e
GOR1	101.71		Pdiff	23:20:00.289		247.0		4.58		TAS					m_e
GOR1	101.71		PP	23:24:10.096		246.3		7.85		TAS					m_e
GRA1	100.33		Pdiff	23:19:54.498		247.0		4.58		TAS					m_e
GRA1	100.33		PP	23:23:57.863		246.3		7.85		TAS					m_e
GRA1	100.33		PKKPdf	23:36:11.185						T__					m_e
GTTG	100.37		Pdiff	23:19:54.476		247.0		4.58		TAS					m_e
GTTG	100.37		PP	23:24:00.482	0.3	246.3		7.85		TAS					m_e
IBBN	99.47		Pdiff	23:19:49.916		247.0		4.58		TAS					m_e
KAST	99.35		Pdiff	23:19:49.416		247.0		4.58		TAS					m_e
KAST	99.35		PP	23:23:50.996	-1.3	246.3		7.85		TAS					m_e
MOX	100.95		Pdiff	23:19:56.780		247.0		4.58		TAS					m_e
MOX	100.95		PP	23:24:04.798	-0.2	246.3		7.85		TAS					m_e
NEUB	101.26		Pdiff	23:19:58.988		247.0		4.58		TAS					m_e
NEUB	101.26		PP	23:24:07.059	0.0	246.3		7.85		TAS					m_e
PLN	101.20		Pdiff	23:19:58.238		247.0		4.58		TAS					m_e

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PLN	101.20	PP	23:24:06.750	-0.1	246.3	7.85	TAS	m_e
RUE	102.90	Pdiff	23:20:05.779		247.0	4.58	TAS	m_e
RUE	102.90	PP	23:24:18.923		246.3	7.85	TAS	m_e
STU	98.74	Pdiff	23:19:46.850		247.0	4.58	TAS	m_e
TANN	101.35	Pdiff	23:19:58.761		247.0	4.58	TAS	m_e
TNS	98.94	Pdiff	23:19:47.582		247.0	4.58	TAS	m_e
TNS	98.94	PP	23:23:47.923	-0.6	246.3	7.85	TAS	m_e
UBR	98.82	Pdiff	23:19:47.605		247.0	4.58	TAS	m_e
UBR	98.82	PP	23:23:47.996	-0.5	246.3	7.85	TAS	m_e
WET	101.10	Pdiff	23:19:57.542		247.0	4.58	TAS	m_e
WET	101.10	PP	23:24:05.928	-0.4	246.3	7.85	TAS	m_e
WLF	97.36	Pdiff	23:19:40.697		247.0	4.58	TAS	m_e
WLF	97.36	PP	23:23:36.481	0.5	246.3	7.85	TAS	m_e

Event 20511002 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/11	01:15:57.20			-30.5800	-179.8700				408.0					159.09	159.09	m i ke	NEIC
OrigID 20511041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.09		PKPab	01:35:47.165		29.6		3.76		TAS					m_e

Event 20511003 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
2022/05/11	05:27:40.00			38.6100	142.3300				43.0					81.97	81.97	m i ke	NEIC
OrigID 20511042																	

Magnitude Err Nsta Author OrigID

mb 4.7 BGR 20511009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.97		P	05:39:56.321		36.6		4.69		TAS		5.2	0.84	m_e mb	4.7

Event 20511008 Vanuatu Islands

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

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2022/05/11 14:20:14.90 -15.2200 167.4400 123.0 140.49 140.49 m i ke NEIC
20511047

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.49		PKPdf	14:39:31.560		30.0		1.25		TAS				m_e	

Event 20511005 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/11	17:27:40.80			3.9100	95.2800				72.7	1.0				83.20	83.20	m i ke	BGR
20511011																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 20511011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.20		P	17:39:58.363		108.7		4.08		TAS		9.8	0.91	m_e mb	5.0
GRA1	83.20		pP	17:40:18.158						T__				m_e	
GRA1	83.20		sP	17:40:26.844						T__				m_e	

Event 20511007 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/11	17:43:27.60			-30.4000	-178.0500				60.0					159.43	159.43	m i ke	NEIC
20511046																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.43		PKPab	18:03:57.318		29.1		3.88		TAS				m_e	

Event 20512002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/12	02:57:41.22			-21.1470	-176.9870				300.0				13	148.82	152.83	m i ke	BGR
20512008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.40		PKPbc	03:16:57.548		15.8		2.45		TAS				m_e	
BFO	152.46		PKPbc	03:17:01.987		15.8		2.45		TAS				m_e	
BRG	149.04		PKPbc	03:16:53.743		15.8		2.45		TAS				m_e	
CLL	148.82		PKPbc	03:16:53.089		15.8		2.45		TAS				m_e	
GEC2	150.99		PKPbc	03:16:58.791		15.8		2.45		TAS				m_e	
MANZ	150.25		PKPbc	03:16:57.059		15.8		2.45		TAS				m_e	
MOX	149.71		PKPbc	03:16:55.084		15.8		2.45		TAS				m_e	
OKC	148.90		PKPbc	03:16:56.942		15.8		2.45		TAS				m_e	
PLN	149.76		PKPbc	03:16:55.546		15.8		2.45		TAS				m_e	
ROTZ	150.44		PKPbc	03:16:57.261		15.8		2.45		TAS				m_e	
STU	151.91		PKPbc	03:17:01.005		15.8		2.45		TAS				m_e	
TANN	149.77		PKPbc	03:16:55.802		15.8		2.45		TAS				m_e	
UBR	152.83		PKPbc	03:17:02.955		15.8		2.45		TAS				m_e	

Event 20512003 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/12	10:27:44.92		37.2320	66.6640					32.3	0.7		27		39.41	44.48	m i ke	BGR
OrigID 20512009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20512009
Ms	4.9		BGR	20512009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	43.78		P	10:35:46.268		85.9		8.22		TAS		65.2	1.12	m_e mb	5.3
AHRW	43.78		pP	10:35:54.882						T__				m_e	
ASSE	41.42		P	10:35:26.059	-0.5	85.9		8.22		TAS		94.0	1.60	m_e mb	5.3
BFO	43.23		P	10:35:41.424	-0.0	85.9		8.22		TAS		46.5	1.03	m_e mb	5.2
BFO	43.23		pP	10:35:50.015						T__				m_e	
BRG	39.41		P	10:35:10.169	-0.2	85.9		8.22		TAS		86.1	1.00	m_e mb	5.3
BRG	39.41		pP	10:35:18.710						T__				m_e	
BSEG	41.61		P	10:35:28.032	1.0	85.9		8.22		TAS		127.4	1.04	m_e mb	5.6
BUG	43.57		P	10:35:44.310	-0.0	85.9		8.22		TAS		92.5	1.21	m_e mb	5.4
BUG	43.57		pP	10:35:52.732						T__				m_e	
CLL	39.99		P	10:35:14.442	-0.6	85.9		8.22		TAS		69.9	1.08	m_e mb	5.2
CLL	39.99		pP	10:35:23.054						T__				m_e	
CLZ	41.62		P	10:35:28.252	0.0	85.9		8.22		TAS		142.0	1.54	m_e mb	5.5
FLT1	41.07		P	10:35:23.119	-0.4	85.9		8.22		TAS		151.1	1.02	m_e mb	5.6
FUR	41.30		P	10:35:26.371	0.6	85.9		8.22		TAS		115.1	1.06	m_e mb	5.5
GEC2	39.64		P	10:35:12.375	0.2	85.9		8.22		TAS		34.2	1.07	m_e mb	4.9
GEC2	39.64		pP	10:35:20.886						T__				m_e	
GOR1	41.02		P	10:35:23.028	0.2	85.9		8.22		TAS		216.2	1.35	m_e mb	5.6
GRA1	41.20		P	10:35:26.044	0.9	85.9		8.22		TAS		325.2	1.60	m_e mb	5.7

GRA1	41.20	L	10:44:59.722							T__	1167.9	20.60	a_e	Ms	4.7
GTTG	41.88	P	10:35:30.678	0.2	85.9		8.22			TAS	162.8	1.08	m_e	mb	5.7
IBBN	43.20	P	10:35:40.957	-0.1	85.9		8.22			TAS	210.6	1.14	m_e	mb	5.8
IBBN	43.20	pP	10:35:49.587							T__			m_e		
KAST	42.87	P	10:35:38.260	-0.1	85.9		8.22			TAS	34.3	1.28	m_e	mb	4.9
MOX	40.89	P	10:35:22.593	0.0	85.9		8.22			TAS	53.7	1.11	m_e	mb	5.1
MOX	40.89	pP	10:35:30.988							T__			m_e		
MOX	40.89	L	10:55:32.782							T__	2599.6	18.60	a_e	Ms	5.1
NEUB	40.77	P	10:35:21.073	-0.4	85.9		8.22			TAS	130.8	1.13	m_e	mb	5.5
NEUB	40.77	pP	10:35:29.597							T__			m_e		
PLN	40.55	P	10:35:19.740	-0.1	85.9		8.22			TAS	16.4	1.10	m_e	mb	4.6
PLN	40.55	pP	10:35:28.283							T__			m_e		
RGN	39.86	P	10:35:12.889	0.6	85.9		8.22			TAS	471.1	1.05	m_e	mb	6.0
RUE	39.51	P	10:35:10.015	-0.7	85.9		8.22			TAS	133.6	1.25	m_e	mb	5.4
RUE	39.51	pP	10:35:18.691							T__			m_e		
STU	42.61	P	10:35:36.800	-0.5	85.9		8.22			TAS	140.5	1.22	m_e	mb	5.6
TANN	40.36	P	10:35:18.190	-0.1	85.9		8.22			TAS	52.0	1.15	m_e	mb	5.1
TANN	40.36	pP	10:35:26.906							T__			m_e		
TNS	42.94	P	10:35:39.340	-0.1	85.9		8.22			TAS	44.7	1.18	m_e	mb	5.1
UBR	42.13	P	10:35:32.709	0.1	85.9		8.22			TAS	217.6	1.52	m_e	mb	5.7
WET	40.16	P	10:35:16.415	-0.1	85.9		8.22			TAS	34.5	1.28	m_e	mb	4.8
WLF	44.48	P	10:35:52.050		85.9		8.22			TAS	117.1	1.15	m_e	mb	5.5
WLF	44.48	pP	10:36:00.671							T__			m_e		

Event 20512004 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/12	21:12:01.80	0.70	0.81	43.2260	11.0670	10.0	8.9	58	10.0				18 309	3.80	7.22	m i ke	BGR
20512010																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	20512010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	4.75		Sn	21:14:01.239	-1.2					T__				m_e	
BALST	4.75		Pn	21:13:12.468	0.7					T__				m_e	ML 4.0
BFO	5.45		Pn	21:13:20.803	-0.4					T__				m_e	
DAVA	4.14		Sn	21:13:49.062	0.7					T__				m_e	
DAVA	4.14		Pn	21:13:04.792	1.2					T__				m_e	ML 4.4
FETA	3.80		Pn	21:12:59.368	0.4					T__				m_e	
GEC2	5.91		Pn	21:13:25.306	-2.1					T__				m_e	
KBA	4.17		Sn	21:13:49.756	0.7					T__				m_e	
KBA	4.17		Pn	21:13:02.902	-1.1					T__				m_e	ML 3.8
LESA	4.35		Pn	21:13:05.729	-0.6					T__				m_e	
MOTA	4.12		Sn	21:13:47.729						T__				m_e	
MOTA	4.12		Pn	21:13:03.582	0.3					T__				m_e	ML 3.9

PLONS	4.00	Sn	21:13:45.552	0.5	T__	m_e		
PLONS	4.00	Pn	21:13:03.135	1.4	T__	m_e ML	3.8	
RETA	4.26	Sn	21:13:50.632	-0.6	T__	m_e		
RETA	4.26	Pn	21:13:05.952	0.7	T__	m_e ML	3.9	
SLE	4.88	Sn	21:14:04.598	-1.1	T__	m_e		
SLE	4.88	Pn	21:13:13.192	-0.4	T__	m_e ML	4.7	
SQTA	3.99	Sn	21:13:46.241	1.4	T__	m_e		
SQTA	3.99	Pn	21:13:01.704	0.1	T__	m_e ML	4.1	
STU	5.69	Pn	21:13:23.860	-0.7	T__	m_e		
SULZ	4.78	Pn	21:13:12.413	0.3	T__	m_e		
TNS	7.22	Pn	21:13:45.003	-0.1	T__	m_e		
UBR	4.50	Sn	21:13:56.312	-0.4	T__	m_e		
UBR	4.50	Pn	21:13:08.572	0.1	T__	m_e ML	4.2	
WILA	4.45	Sn	21:13:55.163	-0.5	T__	m_e		
WILA	4.45	Pn	21:13:08.358	0.6	T__	m_e ML	4.3	
WTTA	4.06	Pn	21:13:02.346	-0.1	T__	m_e		

Event 20512005 Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/12	21:23:34.46			4.5100	-75.5700				68.8	1.1		24		81.23	86.23	m i ke	BGR
20512011																	

Magnitude Err Nsta Author
 mb 5.2 BGR
 OrigID 20512011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.87		P	21:35:46.847	0.5	270.3		5.08		TAS		19.3	0.88	m_e mb	5.3
AHRW	81.87		pP	21:36:05.432	-0.1					T__				m_e	
ASSE	84.16		P	21:35:58.383	0.1	270.3		5.08		TAS		20.4	1.04	m_e mb	5.3
BFO	82.61		P	21:35:49.364	0.1	270.3		5.08		TAS		6.5	0.83	m_e mb	4.9
BRG	86.23		P	21:36:08.391		270.3		5.08		TAS		18.0	0.99	m_e mb	5.2
BSEG	83.96		P	21:35:56.620	-0.4	270.3		5.08		TAS		20.0	1.07	m_e mb	5.3
BUG	82.04		P	21:35:47.040	-0.1	270.3		5.08		TAS		22.1	0.97	m_e mb	5.4
CLL	85.62		P	21:36:05.265		270.3		5.08		TAS		22.2	1.00	m_e mb	5.2
CLZ	83.98		P	21:35:57.229	-0.1	270.3		5.08		TAS		32.2	1.33	m_e mb	5.4
FLT1	84.51		P	21:35:59.373	-0.2	270.3		5.08		TAS		21.7	1.06	m_e mb	5.3
FUR	84.58		P	21:36:00.140	0.2	270.3		5.08		TAS		15.8	1.00	m_e mb	5.2
GEC2	86.17		P	21:36:08.155		270.3		5.08		TAS		16.9	0.93	m_e mb	5.2
GRA1	84.52		P	21:35:59.637	0.0	270.3		5.08		TAS		7.4	0.72	m_e mb	5.0
GTTG	83.72		P	21:35:56.096	0.2	270.3		5.08		TAS		23.6	1.04	m_e mb	5.3
HLG	82.53		pP	21:36:09.953						T__				m_e	
IBBN	82.38		P	21:35:48.889	-0.0	270.3		5.08		TAS		34.8	1.21	m_e mb	5.5
KAST	82.74		P	21:35:50.486	0.3	270.3		5.08		TAS		10.1	0.85	m_e mb	5.1
MOX	84.76		P	21:36:00.872	0.2	270.3		5.08		TAS		11.5	1.22	m_e mb	5.0
NEUB	84.85		P	21:36:01.527	-0.2	270.3		5.08		TAS		40.3	1.36	m_e mb	5.4

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PLN	85.11	P	21:36:03.119	0.0	270.3	5.08	TAS	6.9	1.02	m_e	mb	4.7
TANN	85.31	P	21:36:04.043	-0.1	270.3	5.08	TAS	23.8	1.05	m_e	mb	5.3
TANN	85.31	pP	21:36:23.006				T__			m_e		
TNS	82.74	P	21:35:50.808	-0.3	270.3	5.08	TAS	21.3	0.95	m_e	mb	5.3
UBR	83.79	P	21:35:55.908	0.4	270.3	5.08	TAS	22.3	1.23	m_e	mb	5.3
WET	85.62	P	21:36:05.496		270.3	5.08	TAS	30.1	1.00	m_e	mb	5.4
WLF	81.23	P	21:35:43.209	0.1	270.3	5.08	TAS	44.5	0.84	m_e	mb	5.6
WLF	81.23	pP	21:36:02.198	0.1			T__			m_e		

Event 20513006 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/13	22:08:50.00			38.1880	26.1410				6.1					15.70	15.70	m i ke	USGS
OrigID 20513024																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	15.70		P	22:12:38.287		131.5		10.70		TAS				m_e	

Event 20513007 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/13	22:18:21.97			37.5280	70.7720				200.0					43.68	43.68	m i ke	BGR
OrigID 20513013																	

Magnitude Err Nsta Author OrigID

mb 4.5 BGR 20513013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	43.68		P	22:26:05.971		93.0		7.07		TAS		8.5	0.96	m_e	mb	4.5

Event 20514002 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/14	12:22:56.00			-28.7120	-176.6860				10.0				15	155.60	159.95	m i ke	USGS
OrigID 20514020																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	159.95		PKPab	12:43:35.834		16.4		4.42		TAS				m_e	
BRG	156.39		PKPab	12:43:20.678	0.4	16.4		4.42		TAS				m_e	
CLL	156.21		PKPab	12:43:19.562	-0.0	16.4		4.42		TAS				m_e	
CLZ	156.22		PKPab	12:43:20.060	-0.1	16.4		4.42		TAS				m_e	
FLT1	155.60		PKPab	12:43:16.803	-0.1	16.4		4.42		TAS				m_e	
FUR	159.55		PKPab	12:43:34.841		16.4		4.42		TAS				m_e	
GRA1	158.12		PKPab	12:43:28.592		16.4		4.42		TAS				m_e	
GTTG	156.57		PKPab	12:43:21.622	0.0	16.4		4.42		TAS				m_e	
IBBN	156.12		PKPab	12:43:19.453	0.1	16.4		4.42		TAS				m_e	
MOX	157.13		PKPab	12:43:23.778		16.4		4.42		TAS				m_e	
NEUB	156.58		PKPab	12:43:21.328	0.2	16.4		4.42		TAS				m_e	
PLN	157.17		PKPab	12:43:24.041		16.4		4.42		TAS				m_e	
TANN	157.17		PKPab	12:43:24.224		16.4		4.42		TAS				m_e	
TNS	158.08		PKPab	12:43:27.947		16.4		4.42		TAS				m_e	
WET	158.25		PKPab	12:43:29.125		16.4		4.42		TAS				m_e	

Event 20514003 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/14	16:56:43.66			64.0450	-20.3040				33.0			23		18.52	23.75	m i ke	BGR
20514009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	20514009
Ms	3.5		BGR	20514009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	19.80		P	17:01:10.787	-1.1	322.4		10.65		TAS		27.5	0.92	m_e mb	4.5
ASSE	19.98		P	17:01:11.873	1.6	322.4		10.65		TAS		27.2	1.23	m_e mb	4.3
BFO	22.08		P	17:01:34.080		322.4		10.65		TAS		11.1	1.00	m_e mb	4.2
BRG	22.27		P	17:01:37.018		322.4		10.65		TAS		11.5	1.01	m_e mb	4.3
BSEG	18.52		P	17:00:56.855	-0.1	322.4		10.65		TAS		17.2	0.82	m_e mb	4.3
BUG	19.16		P	17:01:02.845	0.7	322.4		10.65		TAS		25.0	1.09	m_e mb	4.4
CLL	21.56		P	17:01:28.427	1.0	322.4		10.65		TAS		77.8	1.74	m_e mb	4.8
CLZ	20.08		P	17:01:13.471	-0.5	322.4		10.65		TAS		15.3	0.98	m_e mb	4.2
FLT1	20.06		P	17:01:11.560	0.9	322.4		10.65		TAS		23.1	1.20	m_e mb	4.3
FUR	23.34		P	17:01:47.800		322.4		10.65		TAS		19.5	1.13	m_e mb	4.5
GEC2	23.75		P	17:01:52.733		322.4		10.65		TAS		7.9	1.17	m_e mb	4.1
GRA1	22.09		P	17:01:35.818	0.1	322.4		10.65		TAS		17.2	0.86	m_e mb	4.5
GRA1	22.09		L	17:09:42.200						T__		165.5	19.40	a_e Ms	3.5
GTTG	20.14		P	17:01:13.125	-0.2	322.4		10.65		TAS		26.4	1.20	m_e mb	4.3
IBBN	18.68		P	17:00:58.615	-0.9	322.4		10.65		TAS		22.2	0.97	m_e mb	4.4
KAST	19.79		P	17:01:09.974	-0.0	322.4		10.65		TAS		28.2	1.24	m_e mb	4.4
MOX	21.50		P	17:01:28.177	0.3	322.4		10.65		TAS		30.7	0.92	m_e mb	4.7
MOX	21.50		L	17:09:36.869						T__		225.9	21.40	a_e Ms	3.5

NEUB	21.14	P	17:01:25.568	0.7	322.4	10.65	TAS	49.3	0.90	m_e	mb	4.8
PLN	21.84	P	17:01:32.211	-1.0	322.4	10.65	TAS	7.8	0.80	m_e	mb	4.2
STU	22.04	P	17:01:34.128	-0.5	322.4	10.65	TAS	86.2	1.29	m_e	mb	5.0
TANN	22.02	P	17:01:34.656	-0.3	322.4	10.65	TAS	16.4	0.82	m_e	mb	4.5
TNS	20.58	P	17:01:20.344	0.6	322.4	10.65	TAS	43.3	1.38	m_e	mb	4.6
UBR	23.28	P	17:01:46.883		322.4	10.65	TAS	23.3	0.85	m_e	mb	4.7
WET	23.18	P	17:01:45.725		322.4	10.65	TAS	11.6	0.94	m_e	mb	4.4

Event 20514004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/14	22:28:47.63			45.3030	145.0510				36.4	2.8		8		73.77	79.24	m i ke	BGR
OrigID 20514010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20514010
MBB	5.6		BGR	20514010
Ms	4.7		BGR	20514010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.71		P	22:40:40.597	0.4	31.5		5.64		TAS		12.0	0.96	m_e	mb 5.0
AHRW	77.71		pP	22:40:50.711		31.4		5.65		TAS				m_e	
ASSE	75.20		P	22:40:25.831	-0.4	31.5		5.64		TAS		28.4	1.15	m_e	MBB 5.5
BFO	79.24		P	22:40:47.788		31.5		5.64		TAS		6.1	0.84	m_e	mb 4.7
BFO	79.24		pP	22:40:59.029		31.4		5.65		TAS				m_e	
BRG	75.17		P	22:40:25.676	0.0	31.5		5.64		TAS		16.3	1.27	m_e	MBB 5.1
BSEG	73.77		P	22:40:17.714	0.2	31.5		5.64		TAS		55.9	1.00	m_e	MBB 5.6
BUG	76.86		P	22:40:34.917	-0.1	31.5		5.64		TAS		95.7	1.91	m_e	mb 5.6
CLL	75.13		P	22:40:25.492	-0.2	31.5		5.64		TAS		43.2	1.06	m_e	MBB 5.6
CLZ	75.54		P	22:40:28.371	-0.1	31.5		5.64		TAS		35.1	0.92	m_e	MBB 5.7
FLT1	74.85		P	22:40:23.668	0.2	31.5		5.64		TAS		44.9	0.96	m_e	MBB 5.6
FUR	78.39		P	22:40:44.002		31.5		5.64		TAS		24.2	1.03	m_e	mb 5.2
FUR	78.39		pP	22:40:54.864		31.4		5.65		TAS				m_e	
GEC2	76.96		P	22:40:35.953	-0.0	31.5		5.64		TAS		4.4	0.69	m_e	mb 4.7
GEC2	76.96		pP	22:40:46.540		31.4		5.65		TAS				m_e	
GOR1	74.27		P	22:40:20.784	-0.2	31.5		5.64		TAS		58.4	1.15	m_e	MBB 5.7
GRA1	77.11		P	22:40:37.147	-0.6	31.5		5.64		TAS		15.8	0.81	m_e	mb 5.2
GRA1	77.11		pP	22:40:46.845		31.4		5.65		TAS				m_e	
GRA1	77.11		L	23:20:09.506						T__		319.8	18.70	a_e	Ms 4.7
GTTG	75.93		P	22:40:30.315	-0.1	31.5		5.64		TAS		35.6	1.20	m_e	MBB 5.7
IBBN	75.96		P	22:40:30.005	0.4	31.5		5.64		TAS		38.0	1.03	m_e	MBB 5.6
KAST	76.71		P	22:40:34.489	-0.0	31.5		5.64		TAS		40.2	1.66	m_e	mb 5.3
MOX	76.16		P	22:40:31.437	0.1	31.5		5.64		TAS		39.3	1.66	m_e	mb 5.3
MOX	76.16		L	23:19:59.342						T__		307.9	18.00	a_e	Ms 4.7
NEUB	75.64		P	22:40:28.454	0.5	31.5		5.64		TAS		40.2	1.11	m_e	MBB 5.6
PLN	76.11		P	22:40:31.165	0.8	31.5		5.64		TAS		20.4	1.98	m_e	mb 4.9

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RUE	73.89	P	22:40:18.813	-0.2	31.5	5.64	TAS	65.2	1.10	m_e	MBB	5.9
STU	78.57	P	22:40:44.522		31.5	5.64	TAS	33.4	0.98	m_e	mb	5.3
STU	78.57	pP	22:40:55.523		31.4	5.65	TAS			m_e		
TANN	76.07	P	22:40:30.987	0.4	31.5	5.64	TAS	8.1	1.16	m_e	mb	4.7
TNS	77.56	P	22:40:39.750	0.5	31.5	5.64	TAS	13.3	0.88	m_e	mb	5.1
TNS	77.56	pP	22:40:49.885		31.4	5.65	TAS			m_e		
WET	77.00	P	22:40:36.632	-1.1	31.5	5.64	TAS	16.8	0.96	m_e	mb	5.1
WET	77.00	pP	22:40:46.441		31.4	5.65	TAS			m_e		
WLF	78.76	P	22:40:46.907	0.1	31.5	5.64	TAS	82.3	2.20	m_e	mb	5.4

Event 20516001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/16	05:25:54.00			50.6510	156.2580				95.3			16		70.56	77.69	m i ke	USGS
OrigID 20516019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20516007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.50		P	05:37:41.255		21.6		6.21		TAS		12.5	1.04	m_e	mb	5.0
BRG	73.77		P	05:37:19.626	0.9	21.6		6.21		TAS				m_e		
BSEG	71.82		P	05:37:05.861	-0.8	21.6		6.21		TAS		16.1	1.09	m_e	mb	5.1
CLL	73.61		P	05:37:17.934	0.6	21.6		6.21		TAS		10.2	0.70	m_e	mb	5.0
CLZ	73.75		P	05:37:19.600	0.1	21.6		6.21		TAS				m_e		
FLT1	73.09		P	05:37:14.166	0.8	21.6		6.21		TAS		17.2	1.15	m_e	mb	5.1
GEC2	75.70		P	05:37:30.578		21.6		6.21		TAS		6.0	0.76	m_e	mb	4.8
GRA1	75.54		P	05:37:30.180		21.6		6.21		TAS		18.9	0.72	m_e	mb	5.3
KAST	74.78		P	05:37:26.104		21.6		6.21		TAS		8.5	0.87	m_e	mb	4.8
MOX	74.56		P	05:37:24.586		21.6		6.21		TAS		8.6	0.95	m_e	mb	4.8
PLN	74.58		P	05:37:24.714	-0.9	21.6		6.21		TAS		3.8	1.14	m_e	mb	4.3
RGN	70.56		P	05:36:58.297	-0.8	21.6		6.21		TAS		40.2	1.05	m_e	mb	5.5
TANN	74.57		P	05:37:24.603	-0.9	21.6		6.21		TAS				m_e		
TNS	75.70		P	05:37:31.275		21.6		6.21		TAS		8.6	0.69	m_e	mb	5.0
UBR	77.69		P	05:37:42.469		21.6		6.21		TAS		37.0	1.59	m_e	mb	5.3
WET	75.63		P	05:37:30.578		21.6		6.21		TAS		10.1	0.80	m_e	mb	5.0

Event 20516003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/16	18:58:24.00			-5.2600	102.0040				21.4			9		92.83	94.51	m i ke	USGS
OrigID 20516021																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20516009
Ms	5.7		BGR	20516009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	92.84		P	19:11:36.808	0.3	92.8		4.62		TAS		10.7	0.86	m_e	mb 5.3
CLL	93.46		P	19:11:39.196	0.0	92.8		4.62		TAS		6.7	0.96	m_e	mb 5.0
GEC2	92.83		P	19:11:36.808	-0.1	92.8		4.62		TAS		10.2	1.02	m_e	mb 5.2
GRA1	94.51		S	19:22:56.428						T__				m_e	
GRA1	94.51		P	19:11:44.659		92.8		4.62		TAS		10.9	0.94	m_e	mb 5.2
GRA1	94.51		L	20:09:01.731						T__		2617.7	18.70	a_e	Ms 5.7
MOX	94.30		S	19:22:52.546						T__				m_e	
MOX	94.30		P	19:11:43.312		92.8		4.62		TAS		13.1	1.59	m_e	mb 5.0
MOX	94.30		L	20:05:34.075						T__		2342.7	21.30	a_e	Ms 5.6
NEUB	94.23		P	19:11:42.904	0.2	92.8		4.62		TAS		17.9	0.86	m_e	mb 5.4
PLN	93.94		P	19:11:41.698	-0.0	92.8		4.62		TAS		2.3	0.98	m_e	mb 4.5
TANN	93.75		P	19:11:40.835	-0.0	92.8		4.62		TAS		7.9	1.11	m_e	mb 5.0
WET	93.39		P	19:11:39.309	-0.2	92.8		4.62		TAS		10.5	1.01	m_e	mb 5.2

Event 20516005 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/16	21:05:30.00			72.4390	2.8320				10.0			16		20.29	24.29	m i ke	USGS
				OrigID													
				20516023													

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	20516011
Ms	4.1		BGR	20516011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	24.29		P	21:10:50.038		353.5		10.82		TAS		17.9	1.15	m_e	mb 4.5
BRG	22.17		P	21:10:27.255	-1.2	353.5		10.82		TAS		34.4	1.65	m_e	mb 4.5
BUG	21.14		P	21:10:16.986	1.4	353.5		10.82		TAS		13.8	0.93	m_e	mb 4.3
CLL	21.65		P	21:10:22.531	-0.0	353.5		10.82		TAS		42.4	1.52	m_e	mb 4.6
CLZ	20.91		P	21:10:14.730	-0.4	353.5		10.82		TAS		182.0	2.12	m_e	mb 5.0
FLT1	20.48		P	21:10:09.422	-0.4	353.5		10.82		TAS		55.9	1.73	m_e	mb 4.6
GEC2	24.15		P	21:10:48.826		353.5		10.82		TAS		13.4	1.13	m_e	mb 4.4
GRA1	23.10		P	21:10:38.515		353.5		10.82		TAS		76.5	1.93	m_e	mb 4.9
GRA1	23.10		L	21:19:17.931						T__		821.6	22.00	a_e	Ms 4.1
GTTG	21.17		P	21:10:17.812	-0.3	353.5		10.82		TAS		78.1	1.68	m_e	mb 4.8
IBBN	20.29		P	21:10:07.770	0.3	353.5		10.82		TAS		13.2	0.99	m_e	mb 4.1
KAST	21.43		P	21:10:20.683	0.4	353.5		10.82		TAS		45.7	1.68	m_e	mb 4.5
MOX	22.19		P	21:10:28.076		353.5		10.82		TAS		21.9	1.41	m_e	mb 4.4
MOX	22.19		L	21:18:27.762						T__		657.2	21.40	a_e	Ms 4.0
NEUB	21.65		P	21:10:22.226	0.1	353.5		10.82		TAS		60.7	1.33	m_e	mb 4.9
TNS	22.40		P	21:10:30.644		353.5		10.82		TAS		11.0	1.07	m_e	mb 4.2

WET	23.78	P	21:10:45.629	353.5	10.82	TAS	12.9	1.04	m_e	mb	4.4
WLF	22.87	P	21:10:36.331	353.5	10.82	TAS	21.4	1.25	m_e	mb	4.5

Event 20517001 South of New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/17	01:44:22.00			-56.4690	177.7290				10.0			12		167.67	172.79	m i ke	USGS
OrigID 20517019																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	20517007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	169.56		PKPdf	02:04:28.447	0.2	94.9		0.58		TAS				m_e	
BRG	168.88		PKPdf	02:04:27.703	-0.1	94.9		0.58		TAS				m_e	
BRG	168.88		PKPab	02:05:40.858	0.3	132.9		4.45		TAS				m_e	
BSEG	172.37		PKPab	02:05:56.179		132.9		4.45		TAS				m_e	
BUG	172.42		PKPab	02:05:56.637		132.9		4.45		TAS				m_e	
CLL	169.61		PKPdf	02:04:28.157	-0.1	94.9		0.58		TAS				m_e	
CLL	169.61		PKPab	02:05:44.116	0.6	132.9		4.45		TAS				m_e	
CLZ	171.25		PKPdf	02:04:29.056		94.9		0.58		TAS				m_e	
CLZ	171.25		PKPab	02:05:51.562	0.4	132.9		4.45		TAS				m_e	
FLT1	171.10		PKPab	02:05:50.349	0.1	132.9		4.45		TAS				m_e	
FUR	168.25		PKPab	02:05:38.396	-0.4	132.9		4.45		TAS				m_e	
GEC2	167.67		PKPdf	02:04:27.231	-0.3	94.9		0.58		TAS				m_e	
GEC2	167.67		PKP	02:05:34.613						T__				m_e	
GRA1	169.41		PKPdf	02:04:28.223	-0.1	94.9		0.58		TAS				m_e	
GRA1	169.41		PKPab	02:05:43.267	0.5	132.9		4.45		TAS				m_e	
GRA1	169.41		L	03:26:02.888						T__		485.3	19.20	a_e Ms	5.4
GTTG	171.26		PKPab	02:05:51.700		132.9		4.45		TAS				m_e	
IBBN	172.79		PKPab	02:05:58.400		132.9		4.45		TAS				m_e	
KAST	171.75		PKPdf	02:04:29.908		94.9		0.58		TAS				m_e	
KAST	171.75		PKPab	02:05:53.690		132.9		4.45		TAS				m_e	
MOX	169.88		PKPdf	02:04:28.282		94.9		0.58		TAS				m_e	
MOX	169.88		PKPab	02:05:45.589	0.4	132.9		4.45		TAS		484.8	21.70	a_e Ms	5.3
MOX	169.88		L	03:25:10.436						T__					
NEUB	170.16		PKPab	02:05:46.965	0.5	132.9		4.45		TAS				m_e	
PLN	169.52		PKPdf	02:04:28.158	-1.1	94.9		0.58		TAS				m_e	
PLN	169.52		PKPab	02:05:43.934	-0.1	132.9		4.45		TAS				m_e	
STU	169.59		PKPab	02:05:43.823	0.6	132.9		4.45		TAS				m_e	
TANN	169.33		PKPdf	02:04:28.017	-0.3	94.9		0.58		TAS				m_e	
TANN	169.33		PKPab	02:05:42.942	0.3	132.9		4.45		TAS				m_e	
UBR	168.34		PKPdf	02:04:30.285	0.1	94.9		0.58		TAS				m_e	
UBR	168.34		PKPab	02:05:38.575	-0.2	132.9		4.45		TAS				m_e	
WET	168.26		PKPdf	02:04:27.593	1.4	94.9		0.58		TAS				m_e	
WET	168.26		PKPab	02:05:37.359	-0.8	132.9		4.45		TAS				m_e	

Event 20517002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/17	06:04:58.29			33.4190	142.0100				33.0			23		83.40	88.60	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	20517008
MBB	5.9		BGR	20517008
Ms	5.4		BGR	20517008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	87.31		P	06:17:40.692	0.1	39.3		4.92		TAS		38.4	1.08	m_e	MBB	5.7
ASSE	84.68		P	06:17:27.592	-0.3	39.3		4.92		TAS		58.6	1.42	m_e	MBB	6.0
BFO	88.60		P	06:17:46.542		39.3		4.92		TAS		121.8	2.11	a_e	MBB	5.9
BRG	84.32		P	06:17:25.918	0.0	39.3		4.92		TAS		28.4	0.89	m_e	MBB	6.0
BSEG	83.40		P	06:17:21.382	0.0	39.3		4.92		TAS		28.1	0.97	m_e	MBB	6.0
BUG	86.51		P	06:17:36.574	-0.0	39.3		4.92		TAS		41.7	0.94	m_e	MBB	5.8
CLL	84.38		P	06:17:25.982	0.1	39.3		4.92		TAS		47.2	0.87	m_e	MBB	6.0
CLZ	85.01		P	06:17:29.774	0.1	39.3		4.92		TAS		76.9	1.18	m_e	MBB	6.0
FLT1	84.30		P	06:17:25.329	-0.2	39.3		4.92		TAS		82.4	1.36	m_e	MBB	5.9
GEC2	85.95		P	06:17:33.852		39.3		4.92		TAS		17.0	0.99	m_e	MBB	5.4
GOR1	83.76		P	06:17:23.245	-0.5	39.3		4.92		TAS		176.8	1.86	m_e	MBB	6.1
GRA1	86.35		P	06:17:36.442	-0.5	39.3		4.92		TAS		72.0	1.09	m_e	mb	5.7
GRA1	86.35		L	06:59:47.764						T__		1407.3	18.00	a_e	Ms	5.4
GTTG	85.41		P	06:17:31.550	-0.0	39.3		4.92		TAS		49.0	0.99	m_e	MBB	6.0
IBBN	85.64		P	06:17:32.470	0.2	39.3		4.92		TAS		206.7	1.63	m_e	MBB	6.1
KAST	86.27		P	06:17:35.708	0.0	39.3		4.92		TAS		27.0	0.86	m_e	MBB	5.7
MOX	85.45		P	06:17:31.585	0.1	39.3		4.92		TAS		90.2	1.67	m_e	MBB	5.8
MOX	85.45		L	06:59:10.404						T__		1537.6	18.60	a_e	Ms	5.4
NEUB	84.97		P	06:17:29.115	0.1	39.3		4.92		TAS		66.2	0.99	m_e	MBB	6.1
PLN	85.35		P	06:17:31.151	0.5	39.3		4.92		TAS		10.0	1.08	m_e	MBB	5.4
STU	87.89		P	06:17:43.392		39.3		4.92		TAS		71.4	1.13	m_e	MBB	6.4
TANN	85.28		P	06:17:30.742	0.2	39.3		4.92		TAS		23.6	1.14	m_e	MBB	5.7
TNS	87.04		P	06:17:39.476	-0.1	39.3		4.92		TAS		16.4	0.85	m_e	MBB	5.7
WET	86.08		P	06:17:34.799		39.3		4.92		TAS		121.8	2.06	m_e	MBB	5.9
WLF	88.37		P	06:17:46.054	-0.2	39.3		4.92		TAS		177.6	2.01	m_e	MBB	6.1

Event 20517003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/17	07:20:07.31			34.9100	141.4400				10.2	0.3		17		82.76	86.83	m i ke	BGR

20517009

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20517009
Ms	4.9		BGR	20517009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	82.80		P	07:32:31.437	0.1	39.0		5.05		TAS		72.9	2.13	m_e	mb	5.5
BUG	84.97		P	07:32:42.157		39.0		5.05		TAS		560.7	3.90	m_e	mb	6.2
BUG	84.97		pP	07:32:45.052		38.7		5.15		TAS				m_e		
CLL	82.85		P	07:32:31.403	0.1	39.0		5.05		TAS		20.4	1.02	m_e	mb	5.3
CLL	82.85		pP	07:32:34.444	0.0	38.7		5.15		TAS				m_e		
CLZ	83.48		P	07:32:35.269	0.1	39.0		5.05		TAS		19.8	1.07	m_e	mb	5.3
FLT1	82.76		P	07:32:30.920	0.0	39.0		5.05		TAS		17.2	1.05	m_e	mb	5.2
FLT1	82.76		pP	07:32:33.819	0.2	38.7		5.15		TAS				m_e		
GEC2	84.43		P	07:32:39.340		39.0		5.05		TAS		6.9	1.11	m_e	mb	4.8
GRA1	84.82		P	07:32:42.047		39.0		5.05		TAS		27.6	1.23	m_e	mb	5.3
GRA1	84.82		L	08:18:51.848						T__		493.6	19.10	a_e	Ms	4.9
GTTG	83.87		P	07:32:36.872	-0.2	39.0		5.05		TAS		16.9	1.16	m_e	mb	5.2
GTTG	83.87		pP	07:32:39.928		38.7		5.15		TAS				m_e		
IBBN	84.09		P	07:32:38.006	-0.1	39.0		5.05		TAS		18.2	0.91	m_e	mb	5.3
IBBN	84.09		pP	07:32:40.952		38.7		5.15		TAS				m_e		
KAST	84.73		P	07:32:41.134		39.0		5.05		TAS		9.8	0.98	m_e	mb	5.0
KAST	84.73		pP	07:32:44.140		38.7		5.15		TAS				m_e		
MOX	83.92		P	07:32:37.113	-0.1	39.0		5.05		TAS		13.5	1.21	m_e	mb	5.0
MOX	83.92		pP	07:32:40.148		38.7		5.15		TAS				m_e		
MOX	83.92		L	08:14:16.097						T__		532.1	18.80	a_e	Ms	5.0
NEUB	83.43		P	07:32:34.628	-0.3	39.0		5.05		TAS		47.6	1.54	m_e	mb	5.5
NEUB	83.43		pP	07:32:37.491		38.7		5.15		TAS				m_e		
PLN	83.83		P	07:32:36.657	0.4	39.0		5.05		TAS		8.4	1.58	m_e	mb	4.7
TANN	83.76		P	07:32:36.250	-0.0	39.0		5.05		TAS		34.9	2.01	m_e	mb	5.2
TNS	85.50		P	07:32:44.936		39.0		5.05		TAS		10.4	1.36	m_e	mb	4.8
WET	84.56		P	07:32:40.353		39.0		5.05		TAS		43.6	2.23	m_e	mb	5.3
WET	84.56		pP	07:32:43.269		38.7		5.15		TAS				m_e		
WLF	86.83		P	07:32:51.712		39.0		5.05		TAS		15.7	0.98	m_e	mb	5.1

Event 20517005 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/17	13:17:56.85			34.4600	141.6000				12.6	0.5		20		82.32	87.29	m i ke	BGR
				20517011													

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20517011
Ms	5.3		BGR	20517011

2022/05/17 21:17:23.56
20517012

41.4460 143.0630

33.0

28

75.07 81.96 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20517012
Ms	5.2		BGR	20517012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.52		P	21:29:31.030	0.0	34.6		5.43		TAS		23.2	0.90	m_e	mb	5.2
ASSE	77.96		P	21:29:17.030	0.3	34.6		5.43		TAS		24.0	1.15	m_e	mb	5.2
BFO	81.96		P	21:29:38.612	0.2	34.6		5.43		TAS		20.1	1.00	m_e	mb	5.2
BRG	77.80		P	21:29:16.207	0.1	34.6		5.43		TAS		18.9	1.08	m_e	mb	5.1
BSEG	76.59		P	21:29:09.835	0.2	34.6		5.43		TAS		45.0	1.00	m_e	mb	5.5
BUG	79.70		P	21:29:26.407	-0.4	34.6		5.43		TAS		38.6	1.02	m_e	mb	5.3
CLL	77.80		P	21:29:15.941	0.1	34.6		5.43		TAS		35.9	0.90	m_e	mb	5.5
CLZ	78.30		P	21:29:19.381	0.1	34.6		5.43		TAS		40.1	1.01	m_e	mb	5.5
FLT1	77.60		P	21:29:14.708	-0.1	34.6		5.43		TAS		44.2	0.97	m_e	mb	5.6
FUR	81.01		P	21:29:33.999	-0.4	34.6		5.43		TAS		44.8	0.81	m_e	mb	5.5
GEC2	79.53		P	21:29:25.718	-0.2	34.6		5.43		TAS		12.3	1.01	m_e	mb	4.8
GOR1	77.03		P	21:29:12.376	0.3	34.6		5.43		TAS		52.7	1.26	m_e	mb	5.5
GRA1	79.78		S	21:39:29.306						T__				m_e		
GRA1	79.78		P	21:29:27.614	0.5	34.6		5.43		TAS		50.2	0.90	m_e	mb	5.5
GRA1	79.78		L	22:08:27.600						T__		1049.2	19.80	a_e	Ms	5.2
GTTG	78.69		P	21:29:21.267	-0.1	34.6		5.43		TAS		27.7	0.87	m_e	mb	5.3
HLG	77.18		P	21:29:12.975	0.2	34.6		5.43		TAS		70.8	0.96	m_e	mb	5.8
IBBN	78.80		P	21:29:21.749	-0.5	34.6		5.43		TAS		52.2	0.91	m_e	mb	5.6
KAST	79.51		P	21:29:25.672	-0.1	34.6		5.43		TAS		21.6	0.98	m_e	mb	5.0
MOX	78.85		S	21:39:26.414						T__				m_e		
MOX	78.85		P	21:29:22.059	-0.0	34.6		5.43		TAS		15.6	0.96	m_e	mb	5.0
MOX	78.85		L	22:07:58.591						T__		1198.6	18.80	a_e	Ms	5.2
NEUB	78.34		P	21:29:19.106	-0.1	34.6		5.43		TAS		43.9	0.91	m_e	mb	5.6
PLN	78.78		P	21:29:21.640	-0.0	34.6		5.43		TAS		5.2	1.04	m_e	mb	4.5
RGN	75.07		P	21:29:01.176	-0.3	34.6		5.43		TAS		99.8	1.08	m_e	mb	5.8
RUE	76.57		P	21:29:09.496	0.1	34.6		5.43		TAS		53.9	1.16	m_e	mb	5.6
STU	81.28		P	21:29:35.030	-0.3	34.6		5.43		TAS		87.8	0.96	m_e	mb	5.8
TANN	78.72		P	21:29:21.295	0.0	34.6		5.43		TAS		12.6	1.10	m_e	mb	4.9
TNS	80.32		P	21:29:30.044	-0.0	34.6		5.43		TAS		23.4	1.05	m_e	mb	5.0
UBR	81.85		P	21:29:37.921		34.6		5.43		TAS		8.7	0.92	m_e	mb	4.9
WET	79.60		P	21:29:26.615	0.1	34.6		5.43		TAS		25.3	0.98	m_e	mb	5.1
WLF	81.58		P	21:29:36.781	0.6	34.6		5.43		TAS		12.6	0.88	m_e	mb	5.0

Event 20518001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/18	03:52:31.75		33.8530	141.7160					33.0			21		82.91	88.10	m i ke	BGR
20518007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20518007
MBB	5.8		BGR	20518007
Ms	5.7		BGR	20518007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.81		P	04:05:11.841	0.6	39.3		4.96		TAS		40.7	1.24	m_e	MBB	5.8
ASSE	84.18		P	04:04:58.547	-0.0	39.3		4.96		TAS		28.9	1.27	m_e	MBB	5.8
BFO	88.10		P	04:05:17.291		39.3		4.96		TAS		7.9	0.87	m_e	MBB	5.7
BRG	83.82		P	04:04:56.776	0.1	39.3		4.96		TAS		32.0	1.26	m_e	mb	5.4
BSEG	82.91		P	04:04:52.272	-0.5	39.3		4.96		TAS		44.2	1.50	m_e	mb	5.5
BUG	86.01		P	04:05:07.477	0.0	39.3		4.96		TAS		41.9	1.23	m_e	MBB	6.0
CLL	83.88		P	04:04:56.822	0.2	39.3		4.96		TAS		436.9	2.66	m_e	MBB	5.8
CLZ	84.52		P	04:05:00.587	-0.1	39.3		4.96		TAS		59.2	1.24	m_e	MBB	6.0
FLT1	83.80		P	04:04:56.222	-0.3	39.3		4.96		TAS		48.7	1.24	m_e	MBB	5.9
GEC2	85.45		P	04:05:04.722		39.3		4.96		TAS		29.3	1.60	m_e	MBB	5.5
GRA1	85.85		P	04:05:07.446		39.3		4.96		TAS		105.9	1.45	m_e	MBB	6.0
GRA1	85.85		L	04:51:29.329						T__		2854.8	18.00	a_e	Ms	5.7
GTTG	84.91		P	04:05:02.422	-0.0	39.3		4.96		TAS		48.4	1.27	m_e	MBB	5.9
IBBN	85.14		P	04:05:03.328	-0.2	39.3		4.96		TAS		78.6	1.39	m_e	MBB	6.3
KAST	85.77		P	04:05:06.455	0.1	39.3		4.96		TAS		21.9	1.05	m_e	MBB	5.6
MOX	84.95		P	04:05:02.453	0.2	39.3		4.96		TAS		38.7	1.41	m_e	MBB	5.8
MOX	84.95		L	04:46:44.072						T__		2584.7	18.70	a_e	Ms	5.6
NEUB	84.47		P	04:04:59.945	0.0	39.3		4.96		TAS		75.7	1.29	m_e	MBB	6.0
PLN	84.86		P	04:05:02.023	0.3	39.3		4.96		TAS		21.2	1.73	m_e	MBB	5.3
TANN	84.78		P	04:05:01.628	-0.2	39.3		4.96		TAS		28.1	1.42	m_e	MBB	5.6
TNS	86.54		P	04:05:10.402	-0.7	39.3		4.96		TAS		29.3	1.44	m_e	MBB	5.9
WET	85.58		P	04:05:05.816		39.3		4.96		TAS		11.3	1.16	m_e	MBB	5.8
WLF	87.87		P	04:05:17.122		39.3		4.96		TAS		50.4	1.33	m_e	MBB	6.1

Event 20519001 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/18	23:52:49.99		23.3680	123.4050					33.0			22		82.08	88.43	m i ke	BGR
OrigID 20519007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20519007
Ms	4.6		BGR	20519007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	84.68		P	00:05:19.907	-0.1	58.5		4.97		TAS		39.2	1.51	m_e	mb	5.4
BFO	88.01		P	00:05:35.495		58.5		4.97		TAS		26.3	1.82	m_e	mb	5.3
BRG	83.57		P	00:05:14.041	0.0	58.5		4.97		TAS		12.8	1.25	m_e	mb	5.0
BUG	86.83		P	00:05:30.268	0.0	58.5		4.97		TAS		23.2	1.11	m_e	mb	5.2

CLL	83.87	P	00:05:15.298	-0.1	58.5	4.97	TAS	12.8	0.87	m_e	mb	5.2
CLZ	84.99	P	00:05:21.723	-0.3	58.5	4.97	TAS	52.0	1.25	m_e	mb	5.6
FLT1	84.28	P	00:05:17.443	0.4	58.5	4.97	TAS	23.6	1.30	m_e	mb	5.3
GEC2	84.71	P	00:05:19.993		58.5	4.97	TAS	13.1	0.74	m_e	mb	5.2
GOR1	83.90	P	00:05:16.103	0.1	58.5	4.97	TAS	71.8	1.70	m_e	mb	5.6
GRA1	85.67	P	00:05:25.026		58.5	4.97	TAS	35.6	1.47	m_e	mb	5.3
GRA1	85.67	L	00:48:01.919				T__	246.2	20.60	a_e	Ms	4.6
GTTG	85.37	P	00:05:23.469	0.1	58.5	4.97	TAS	34.6	1.23	m_e	mb	5.5
HLG	84.98	P	00:05:21.359	0.2	58.5	4.97	TAS	29.3	0.84	m_e	mb	5.5
IBBN	86.09	P	00:05:26.764	0.5	58.5	4.97	TAS	28.4	0.87	m_e	mb	5.4
KAST	86.37	P	00:05:28.186	-0.0	58.5	4.97	TAS	7.8	0.87	m_e	mb	4.8
MOX	84.96	P	00:05:21.025	-0.1	58.5	4.97	TAS	40.7	1.70	m_e	mb	5.4
MOX	84.96	L	00:47:58.649				T__	295.4	19.70	a_e	Ms	4.7
NEUB	84.59	P	00:05:19.242	0.0	58.5	4.97	TAS	21.9	0.80	m_e	mb	5.4
PLN	84.74	P	00:05:20.003	0.3	58.5	4.97	TAS	16.8	1.84	m_e	mb	5.0
RGN	82.08	P	00:05:05.826	-0.9	58.5	4.97	TAS	63.8	0.97	m_e	mb	5.7
STU	87.28	P	00:05:32.405		58.5	4.97	TAS	32.2	0.89	m_e	mb	5.5
TANN	84.61	P	00:05:19.349	0.2	58.5	4.97	TAS	15.7	1.40	m_e	mb	5.0
WET	85.02	P	00:05:21.653		58.5	4.97	TAS	10.2	1.17	m_e	mb	4.9
WLF	88.43	P	00:05:38.195	-0.7	58.5	4.97	TAS	33.5	1.40	m_e	mb	5.5

Event 20519003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/19	09:23:53.51			-16.7500	-174.5200				126.8	4.4		7		144.91	148.83	m i ke	BGR
	20519009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.17		PKPbc	09:43:18.375		8.8		3.17		TAS				m_e	
AHRW	146.17		pPKPbc	09:43:52.770		12.6		2.86		TAS				m_e	
BFO	148.32		PKPdf	09:43:21.079		12.0		1.36		TAS				m_e	
BFO	148.32		PKPbc	09:43:24.587		8.8		3.17		TAS				m_e	
BFO	148.32		pPKPbc	09:43:57.913		12.6		2.86		TAS				m_e	
BRG	145.20		PKPbc	09:43:14.969	0.4	8.8		3.17		TAS				m_e	
BUG	145.27		PKPbc	09:43:14.821	0.0	8.8		3.17		TAS				m_e	
CLL	144.91		PKPbc	09:43:13.633	0.2	8.8		3.17		TAS				m_e	
FUR	148.22		PKPdf	09:43:20.964		12.0		1.36		TAS				m_e	
FUR	148.22		PKPbc	09:43:24.534		8.8		3.17		TAS				m_e	
FUR	148.22		pPKPbc	09:43:57.893		12.6		2.86		TAS				m_e	
GEC2	147.21		PKPdf	09:43:19.503		12.0		1.36		TAS				m_e	
GEC2	147.21		PKPbc	09:43:21.633		8.8		3.17		TAS				m_e	
GEC2	147.21		pPKPbc	09:43:55.101		12.6		2.86		TAS				m_e	
GRA1	146.72		PKPdf	09:43:18.996		12.0		1.36		TAS				m_e	
GRA1	146.72		PKPbc	09:43:20.328		8.8		3.17		TAS				m_e	

./bul2205.txt

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GRA1	146.72	pPKPbc	09:43:53.731		12.6	2.86	TAS	m_e
GTTG	145.01	PKPbc	09:43:14.380	0.5	8.8	3.17	TAS	m_e
KAST	145.46	PKPbc	09:43:15.834	-0.1	8.8	3.17	TAS	m_e
MOX	145.74	PKPbc	09:43:16.914	-0.1	8.8	3.17	TAS	m_e
MOX	145.74	pPKPbc	09:43:49.914		12.6	2.86	TAS	m_e
NEUB	145.18	PKPbc	09:43:14.766	0.3	8.8	3.17	TAS	m_e
PLN	145.83	PKPbc	09:43:17.237	-0.3	8.8	3.17	TAS	m_e
STU	147.82	PKPdf	09:43:20.585		12.0	1.36	TAS	m_e
STU	147.82	PKPbc	09:43:23.266		8.8	3.17	TAS	m_e
TANN	145.86	PKPbc	09:43:17.437	-0.5	8.8	3.17	TAS	m_e
TANN	145.86	pPKPbc	09:43:50.652		12.6	2.86	TAS	m_e
TNS	146.43	PKPbc	09:43:19.151		8.8	3.17	TAS	m_e
TNS	146.43	pPKPbc	09:43:53.790		12.6	2.86	TAS	m_e
UBR	148.83	PKPdf	09:43:21.912		12.0	1.36	TAS	m_e
UBR	148.83	PKPbc	09:43:26.013		8.8	3.17	TAS	m_e
UBR	148.83	pPKPbc	09:43:59.397		12.6	2.86	TAS	m_e
WET	147.04	PKPdf	09:43:19.281		12.0	1.36	TAS	m_e
WET	147.04	PKPbc	09:43:21.296		8.8	3.17	TAS	m_e
WET	147.04	pPKPbc	09:43:54.820		12.6	2.86	TAS	m_e
WLF	147.07	PKPbc	09:43:21.536		8.8	3.17	TAS	m_e

Event 20519005 Macquarie Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/19	10:10:55.00			-54.0390	159.1440				10.0			10		158.03	162.85	m i ke	USGS
	20519023																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	162.64		PKPab	10:31:45.603		113.2		4.55		TAS				m_e	
ASSE	161.07		PKPab	10:31:38.171		113.2		4.55		TAS				m_e	
BFO	160.95		PKPab	10:31:37.568		113.2		4.55		TAS				m_e	
BRG	158.72		PKPab	10:31:28.440	0.2	113.2		4.55		TAS				m_e	
BUG	162.85		PKPab	10:31:46.217		113.2		4.55		TAS				m_e	
CLL	159.43		PKPab	10:31:31.020	0.2	113.2		4.55		TAS				m_e	
CLZ	161.16		PKPab	10:31:38.876		113.2		4.55		TAS				m_e	
GEC2	158.03		PKPab	10:31:24.642	0.0	113.2		4.55		TAS				m_e	
GOR1	160.96		PKPab	10:31:37.879		113.2		4.55		TAS				m_e	
GRA1	159.85		PKPab	10:31:33.213	-0.0	113.2		4.55		TAS				m_e	
GTTG	161.30		PKPab	10:31:39.421		113.2		4.55		TAS				m_e	
KAST	162.09		PKPab	10:31:42.983		113.2		4.55		TAS				m_e	
MOX	160.00		PKPab	10:31:33.815		113.2		4.55		TAS				m_e	
PLN	159.62		PKPab	10:31:32.279		113.2		4.55		TAS				m_e	
TANN	159.42		PKPab	10:31:31.450	-0.1	113.2		4.55		TAS				m_e	
TNS	161.71		PKPab	10:31:41.447		113.2		4.55		TAS				m_e	

UBR	159.59	PKPab	10:31:32.023	0.0	113.2	4.55	TAS	m_e
WET	158.64	PKPab	10:31:27.222	-0.2	113.2	4.55	TAS	m_e

Event 20519004 Macquarie Island, Australia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/19	10:13:31.00			-54.1370	159.0840				10.0			18		157.99	162.82	m i ke	USGS
OrigID 20519022																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.9		BGR	20519010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	162.60		PKPab	10:34:23.788		113.6		4.45		TAS				m_e	
ASSE	161.05		PKPdf	10:33:31.762		108.2		1.07		TAS				m_e	
ASSE	161.05		PKPab	10:34:16.306	0.1	113.6		4.45		TAS				m_e	
BFO	160.90		PKPab	10:34:15.855	0.2	113.6		4.45		TAS				m_e	
BRG	158.70		PKPdf	10:33:29.578	0.1	108.2		1.07		TAS				m_e	
BRG	158.70		PKPab	10:34:06.502	0.5	113.6		4.45		TAS				m_e	
BUG	162.82		PKPab	10:34:24.335		113.6		4.45		TAS				m_e	
CLL	159.41		PKPdf	10:33:30.057	0.5	108.2		1.07		TAS				m_e	
CLL	159.41		PKPab	10:34:08.991	0.2	113.6		4.45		TAS				m_e	
CLZ	161.13		PKPdf	10:33:32.280		108.2		1.07		TAS				m_e	
CLZ	161.13		PKPab	10:34:16.681		113.6		4.45		TAS				m_e	
FLT1	160.78		PKPdf	10:33:31.219		108.2		1.07		TAS				m_e	
FLT1	160.78		PKPab	10:34:14.618	0.3	113.6		4.45		TAS				m_e	
GEC2	157.99		PKPdf	10:33:28.503	-0.3	108.2		1.07		TAS				m_e	
GEC2	157.99		PKPab	10:34:02.742	-0.0	113.6		4.45		TAS				m_e	
GRA1	159.82		SS	10:57:43.777						T__				m_e	
GRA1	159.82		PKPdf	10:33:31.323	-0.4	108.2		1.07		TAS				m_e	
GRA1	159.82		PKPab	10:34:11.153	-0.3	113.6		4.45		TAS				m_e	
GRA1	159.82		L	11:55:21.902						T__	16179.9	20.70	a_e Ms	6.8	
KAST	162.06		PKPdf	10:33:32.991		108.2		1.07		TAS				m_e	
KAST	162.06		PKPab	10:34:21.108		113.6		4.45		TAS				m_e	
MOX	159.97		SS	10:58:10.275						T__				m_e	
MOX	159.97		PKPdf	10:33:30.958	-0.2	108.2		1.07		TAS				m_e	
MOX	159.97		PKPab	10:34:11.986	-1.0	113.6		4.45		TAS				m_e	
MOX	159.97		L	11:54:34.372						T__	16644.7	20.00	a_e Ms	6.9	
NEUB	160.09		PKPab	10:34:12.495	-0.6	113.6		4.45		TAS				m_e	
PLN	159.59		PKPdf	10:33:30.891	0.1	108.2		1.07		TAS				m_e	
PLN	159.59		PKPab	10:34:10.288	0.3	113.6		4.45		TAS				m_e	
STU	160.60		PKPab	10:34:14.480	-0.2	113.6		4.45		TAS				m_e	
TANN	159.39		PKPdf	10:33:30.288	-0.2	108.2		1.07		TAS				m_e	
TNS	161.67		PKPab	10:34:19.510		113.6		4.45		TAS				m_e	
UBR	159.54		PKPdf	10:33:30.670	0.5	108.2		1.07		TAS				m_e	
UBR	159.54		PKPab	10:34:10.262	0.4	113.6		4.45		TAS				m_e	

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WET	158.61	PKPdf	10:33:29.338	-0.2	108.2	1.07	TAS	m_e
WET	158.61	PKPab	10:34:05.347	-0.2	113.6	4.45	TAS	m_e

Event 20519007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/19	12:38:28.43			-16.1680	-177.9820				500.0			25		143.10	147.78	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.38		PKPbc	12:57:09.096	0.4	15.8		2.95		TAS					m_e
ASSE	143.38		PKPbc	12:57:02.949	0.1	15.8		2.95		TAS					m_e
BFO	147.42		PKPbc	12:57:14.345		15.8		2.95		TAS					m_e
BRG	143.99		PKPbc	12:57:04.859	0.3	15.8		2.95		TAS					m_e
BUG	144.47		PKPbc	12:57:06.219	0.1	15.8		2.95		TAS					m_e
CLL	143.77		PKPbc	12:57:04.084	0.2	15.8		2.95		TAS					m_e
CLZ	143.70		PKPbc	12:57:04.311	0.2	15.8		2.95		TAS					m_e
FLT1	143.10		PKPbc	12:57:01.729	-0.2	15.8		2.95		TAS					m_e
FUR	147.11		PKPbc	12:57:13.591		15.8		2.95		TAS					m_e
GEC2	145.96		PKPbc	12:57:10.430	-0.6	15.8		2.95		TAS					m_e
GRA1	145.65		PKPbc	12:57:10.001	-0.5	15.8		2.95		TAS					m_e
GTTG	144.05		PKPbc	12:57:05.368	0.2	15.8		2.95		TAS					m_e
IBBN	143.57		PKPbc	12:57:03.862	0.5	15.8		2.95		TAS					m_e
KAST	144.58		PKPbc	12:57:06.780	0.0	15.8		2.95		TAS					m_e
MOX	144.66		PKPbc	12:57:06.838	0.2	15.8		2.95		TAS					m_e
NEUB	144.11		PKPbc	12:57:05.230	0.3	15.8		2.95		TAS					m_e
PLN	144.72		PKPbc	12:57:07.080	0.4	15.8		2.95		TAS					m_e
STU	146.87		PKPbc	12:57:13.080		15.8		2.95		TAS					m_e
TANN	144.73		PKPbc	12:57:07.180	-0.0	15.8		2.95		TAS					m_e
TNS	145.54		PKPbc	12:57:09.615	-0.1	15.8		2.95		TAS					m_e
UBR	147.78		PKPbc	12:57:15.236		15.8		2.95		TAS					m_e
WET	145.85		PKPbc	12:57:10.189	-0.3	15.8		2.95		TAS					m_e
WLF	146.33		PKPbc	12:57:12.356	-0.1	15.8		2.95		TAS					m_e

Event 20520008 Strait of Gibraltar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/20	12:35:50.10	2.16	0.89	35.1320	-3.7300	43.4	41.1	161	12.0			26	344	15.93	21.35	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
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mb	4.8	BGR	20520014
Ms	4.7	BGR	20520014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	17.28		P	12:39:48.286	0.0					T__		44.6	1.14	m_e	mb 4.5
ASSE	19.86		P	12:40:19.086	0.2					T__		199.7	1.89	m_e	mb 5.0
BFO	15.93		Pn	12:39:29.661	-0.8					T__				m_e	
BRG	20.27		P	12:40:22.807	0.6					T__		109.4	1.32	m_e	mb 4.9
BSEG	21.22		P	12:40:33.033	-1.6					T__		168.8	1.06	m_e	mb 5.3
BUG	18.12		P	12:40:00.141	1.2					T__		174.3	1.67	m_e	mb 4.9
CLL	20.16		P	12:40:21.639	0.2					T__		92.5	1.11	m_e	mb 4.9
CLZ	19.52		P	12:40:15.647	0.8					T__		24.2	1.11	m_e	mb 4.3
FLT1	20.23		P	12:40:22.245	-0.8					T__		43.4	1.48	m_e	mb 4.5
FUR	17.14		Pn	12:39:44.785	-0.8					T__				m_e	
GEC2	18.79		P	12:40:03.733	-0.4					T__		117.0	1.46	m_e	mb 4.9
GOR1	20.78		P	12:40:28.949	-0.4					T__		191.5	1.21	m_e	mb 5.3
GRA1	18.20		P	12:40:00.282	2.3					T__		96.5	1.12	m_e	mb 4.8
GRA1	18.20		L	12:47:31.111						T__		4373.3	18.10	a_e	Ms 4.8
GTTG	19.13		P	12:40:10.146	-0.2					T__		25.0	0.95	m_e	mb 4.4
IBBN	19.02		P	12:40:08.517	-1.4					T__		116.9	1.37	m_e	mb 4.9
KAST	18.30		P	12:40:02.008	1.4					T__		176.5	2.22	m_e	mb 4.8
MOX	19.08		P	12:40:09.304	0.4					T__		35.8	1.11	m_e	mb 4.5
MOX	19.08		L	12:49:52.583						T__		2883.8	19.30	m_e	Ms 4.6
NEUB	19.56		P	12:40:16.009	1.3					T__		63.7	1.25	m_e	mb 4.7
PLN	19.20		P	12:40:10.621	0.5					T__		25.6	1.28	m_e	mb 4.3
RUE	21.35		P	12:40:33.878	-0.9					T__		218.9	1.14	m_e	mb 5.4
STU	16.64		Pn	12:39:38.968	-0.9					T__				m_e	
TANN	19.28		P	12:40:11.087	0.1					T__		50.5	1.12	m_e	mb 4.7
TNS	17.50		P	12:39:50.191	-0.1					T__		33.9	1.10	m_e	mb 4.4
UBR	16.24		Pn	12:39:33.384	-0.2					T__				m_e	
WET	18.58		P	12:40:01.409	-0.5					T__		65.5	1.12	m_e	mb 4.8
WLF	16.23		Pn	12:39:36.176	0.2					T__				m_e	

Event 20521002 North of Svalbard

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/21	07:01:23.00			84.3430	0.8370				10.0					33.91	34.85	m i ke	USGS
OrigID 20521020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	20521008
Ms	5.4		BGR	20521008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	34.85		P	07:08:16.050		358.2		8.49		TAS		259.2	1.53	m_e	mb 5.9
GRA1	34.85		L	07:21:55.723						T__		7600.4	21.30	a_e	Ms 5.4

MOX 33.91 L 07:21:15.639 T__ 6637.8 20.60 a_e Ms 5.3

Event 20522001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/22	02:27:00.00			-22.1860	-179.5170				584.8					151.19	151.19	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	151.19		PKP	02:45:46.861		21.1		1.67		TAS				m_e	

Event 20522002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/22	07:06:27.00			-26.2140	178.3920				589.5					154.48	154.48	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	154.48		PKIKP	07:25:13.133						T__				m_e	

Event 20523001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/23	02:01:04.85			40.8370	143.3650				33.0				23	77.21	82.60	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	5.3		BGR	20523007
Ms	5.7		BGR	20523007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.61		P	02:13:01.976	0.1	34.7		5.38		TAS		24.9	1.00	m_e mb	5.2
BFO	82.60		P	02:13:23.350		34.7		5.38		TAS		39.8	1.38	m_e mb	5.5
BRG	78.44		P	02:13:00.912	0.3	34.7		5.38		TAS		17.5	1.08	m_e mb	5.0
BSEG	77.24		P	02:12:54.766	0.1	34.7		5.38		TAS		55.6	0.94	m_e mb	5.7
CLL	78.44		P	02:13:00.954	-0.1	34.7		5.38		TAS		37.9	0.90	m_e mb	5.4

CLZ	78.95	P	02:13:04.227	-0.1	34.7	5.38	TAS	39.6	0.90	m_e	mb	5.4
FLT1	78.24	P	02:12:59.638	-0.3	34.7	5.38	TAS	50.6	0.88	m_e	mb	5.7
FUR	81.65	P	02:13:18.823		34.7	5.38	TAS	44.9	0.93	m_e	mb	5.6
GEC2	80.17	P	02:13:10.374	0.1	34.7	5.38	TAS	10.9	1.03	m_e	mb	4.7
GOR1	77.68	P	02:12:57.202	-0.5	34.7	5.38	TAS	47.8	1.10	m_e	mb	5.5
GRA1	80.42	P	02:13:12.379	-0.4	34.7	5.38	TAS	61.4	0.94	m_e	mb	5.6
GRA1	80.42	L	02:51:47.578				T__	3540.9	20.10	a_e	Ms	5.7
GTTG	79.34	P	02:13:06.139	0.0	34.7	5.38	TAS	35.3	0.90	m_e	mb	5.4
IBBN	79.45	P	02:13:06.601	-0.1	34.7	5.38	TAS	56.4	0.89	m_e	mb	5.5
KAST	80.16	P	02:13:10.450	0.5	34.7	5.38	TAS	21.4	0.94	m_e	mb	5.1
MOX	79.49	P	02:13:06.987	0.5	34.7	5.38	TAS	17.0	0.97	m_e	mb	4.9
MOX	79.49	L	02:51:18.650				T__	3473.9	19.50	a_e	Ms	5.7
NEUB	78.98	P	02:13:04.068	0.1	34.7	5.38	TAS	41.2	0.87	m_e	mb	5.5
PLN	79.42	P	02:13:06.617	0.0	34.7	5.38	TAS	4.8	1.14	m_e	mb	4.3
RUE	77.21	P	02:12:54.612	0.1	34.7	5.38	TAS	17.1	0.65	m_e	mb	5.3
STU	81.92	P	02:13:19.932		34.7	5.38	TAS	82.1	0.97	m_e	mb	5.8
TANN	79.37	P	02:13:06.124	0.1	34.7	5.38	TAS	8.1	1.01	m_e	mb	4.7
TNS	80.97	P	02:13:14.907	-0.3	34.7	5.38	TAS	24.1	1.07	m_e	mb	5.2
UBR	82.50	P	02:13:22.622		34.7	5.38	TAS	49.4	1.76	m_e	mb	5.5
WET	80.24	P	02:13:11.423	0.3	34.7	5.38	TAS	27.3	1.00	m_e	mb	5.1

Event 20524001 North of Svalbard

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/24	04:00:27.00			84.1980	-0.9070				10.0					34.75	34.75	m i ke	USGS
OrigID 20524019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20524007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	34.75		P	04:07:19.835		357.9		8.52		TAS		14.8	1.03	m_e	mb	4.9

Event 20525002 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/05/25	15:05:16.23			-3.8260	92.8030				10.0					18	85.74	90.23	m i ke	BGR
OrigID 20525008																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20525008

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

AHRW	90.23	P	15:18:18.061	-0.0	98.9	4.80	TAS	14.6	1.12	m_e	mb	5.1
BFO	89.18	P	15:18:13.003	0.0	98.9	4.80	TAS	4.5	0.66	m_e	mb	4.8
BRG	85.96	P	15:17:57.625	0.5	98.9	4.80	TAS	4.1	0.84	m_e	mb	4.6
BSEG	88.66	P	15:18:11.107	0.0	98.9	4.80	TAS	6.6	0.63	m_e	mb	5.1
BUG	90.20	P	15:18:17.986	0.1	98.9	4.80	TAS	8.1	0.79	m_e	mb	5.0
CLL	86.62	P	15:18:00.926	-1.1	98.9	4.80	TAS	9.6	1.01	m_e	mb	4.9
FLT1	87.87	P	15:18:05.696	-0.5	98.9	4.80	TAS	5.1	0.74	m_e	mb	4.9
GEC2	85.74	P	15:17:56.691	0.2	98.9	4.80	TAS	12.9	0.76	m_e	mb	5.2
GRA1	87.48	P	15:18:04.338	0.4	98.9	4.80	TAS	9.0	0.99	m_e	mb	4.9
GTTG	88.54	P	15:18:09.894	-0.0	98.9	4.80	TAS	12.4	0.94	m_e	mb	5.2
IBBN	89.98	P	15:18:17.182	-0.1	98.9	4.80	TAS	14.7	0.87	m_e	mb	5.2
KAST	89.46	P	15:18:14.527	0.1	98.9	4.80	TAS	4.9	0.74	m_e	mb	4.8
MOX	87.38	P	15:18:04.768	0.2	98.9	4.80	TAS	4.5	0.60	m_e	mb	4.8
PLN	87.01	P	15:18:02.623		98.9	4.80	TAS	0.9	0.56	m_e	mb	4.1
STU	88.67	P	15:18:10.676		98.9	4.80	TAS	21.7	0.42	m_e	mb	5.8
TNS	89.32	P	15:18:13.602		98.9	4.80	TAS	10.9	1.04	m_e	mb	5.0
UBR	87.92	P	15:18:07.064		98.9	4.80	TAS	6.3	0.66	m_e	mb	5.1
WET	86.32	P	15:17:59.506		98.9	4.80	TAS	13.0	1.11	m_e	mb	5.0

Event 20526002 Central Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/26	12:02:20.00			-14.8630	-70.3080				217.8			21		92.72	98.13	m i ke	USGS
	20526020																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	93.57		SKSac	12:25:26.117	0.8	251.7		5.56		TAS					m_e
AHRW	93.57		P	12:15:10.762	0.3	254.0		4.62		TAS					m_e
ASSE	96.20		SKSac	12:25:40.874	-0.0	251.7		5.56		TAS					m_e
ASSE	96.20		P	12:15:22.861	-0.0	254.0		4.62		TAS					m_e
BFO	93.64		SKSac	12:25:24.394	-0.8	251.7		5.56		TAS					m_e
BFO	93.64		P	12:15:10.268		254.0		4.62		TAS					m_e
BRG	97.85		SKSac	12:25:48.761		251.7		5.56		TAS					m_e
BRG	97.85		P	12:15:30.351	0.2	254.0		4.62		TAS					m_e
BSEG	96.49		SKSac	12:25:41.737	-0.1	251.7		5.56		TAS					m_e
BSEG	96.49		P	12:15:24.041	0.0	254.0		4.62		TAS					m_e
BUG	93.98		SKSac	12:25:26.548	-1.3	251.7		5.56		TAS					m_e
BUG	93.98		P	12:15:12.349	-0.0	254.0		4.62		TAS					m_e
CLL	97.38		SKSac	12:25:46.296		251.7		5.56		TAS					m_e
CLL	97.38		P	12:15:28.075	0.3	254.0		4.62		TAS					m_e
CLZ	95.94		SKSac	12:25:40.012	-0.6	251.7		5.56		TAS					m_e
CLZ	95.94		P	12:15:21.544	-0.2	254.0		4.62		TAS					m_e
FLT1	96.58		SKSac	12:25:42.353	-0.5	251.7		5.56		TAS					m_e
FLT1	96.58		P	12:15:24.205	-0.1	254.0		4.62		TAS					m_e

FUR	95.48	SKSac	12:25:35.329	1.3	251.7	5.56	TAS	m_e
FUR	95.48	P	12:15:19.512		254.0	4.62	TAS	m_e
GEC2	97.21	SKSac	12:25:44.448	-1.9	251.7	5.56	TAS	m_e
GEC2	97.21	P	12:15:27.005	0.0	254.0	4.62	TAS	m_e
GOR1	96.80	P	12:15:25.495	-0.3	254.0	4.62	TAS	m_e
GRA1	95.86	P	12:15:21.297	-0.5	254.0	4.62	TAS	m_e
GTTG	95.61	SKSac	12:25:38.040	0.7	251.7	5.56	TAS	m_e
GTTG	95.61	P	12:15:20.063	0.1	254.0	4.62	TAS	m_e
IBBN	94.54	P	12:15:15.066	0.1	254.0	4.62	TAS	m_e
KAST	94.58	SKSac	12:25:29.996	0.1	251.7	5.56	TAS	m_e
KAST	94.58	P	12:15:14.960	0.1	254.0	4.62	TAS	m_e
MOX	96.36	SKSac	12:25:42.106	1.0	251.7	5.56	TAS	m_e
MOX	96.36	P	12:15:23.355	0.1	254.0	4.62	TAS	m_e
PLN	96.65	SKSac	12:25:43.216	-0.1	251.7	5.56	TAS	m_e
PLN	96.65	P	12:15:24.864	-0.1	254.0	4.62	TAS	m_e
RUE	98.13	SKSac	12:25:49.007		251.7	5.56	TAS	m_e
STU	94.33	SKSac	12:25:28.972	-0.1	251.7	5.56	TAS	m_e
STU	94.33	P	12:15:13.748		254.0	4.62	TAS	m_e
TNS	94.30	SKSac	12:25:29.996	0.7	251.7	5.56	TAS	m_e
TNS	94.30	P	12:15:14.078	-0.2	254.0	4.62	TAS	m_e
UBR	94.59	SKSac	12:25:29.888	-1.1	251.7	5.56	TAS	m_e
UBR	94.59	P	12:15:15.081		254.0	4.62	TAS	m_e
WET	96.76	SKSac	12:25:42.353	-0.1	251.7	5.56	TAS	m_e
WET	96.76	P	12:15:25.083	0.3	254.0	4.62	TAS	m_e
WLF	92.72	SKSac	12:25:20.108	-0.4	251.7	5.56	TAS	m_e
WLF	92.72	P	12:15:06.585	-0.1	254.0	4.62	TAS	m_e

Event 20527002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/27	04:43:40.00			-18.0730	-177.8950				627.1			17		143.56	149.66	m i ke	USGS
	20527020																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.27		PKP	05:02:09.096	0.1	16.3		2.74		TAS					m_e
BFO	149.31		PKP	05:02:19.653		16.3		2.74		TAS					m_e
BRG	145.86		PKP	05:02:10.903	-0.2	16.3		2.74		TAS					m_e
BSEG	143.56		PKP	05:02:03.846	-0.2	16.3		2.74		TAS					m_e
CLL	145.65		PKP	05:02:10.282	0.4	16.3		2.74		TAS					m_e
CLZ	145.59		PKP	05:02:10.169	0.0	16.3		2.74		TAS					m_e
FLT1	144.98		PKP	05:02:08.080	0.2	16.3		2.74		TAS					m_e
GEC2	147.82		PKP	05:02:16.096		16.3		2.74		TAS					m_e
GRA1	147.53		PKP	05:02:15.675		16.3		2.74		TAS					m_e
GTTG	145.94		PKP	05:02:11.048	0.2	16.3		2.74		TAS					m_e

IBBN	145.46	PKP	05:02:09.378	0.1	16.3	2.74	TAS	m_e
KAST	146.48	PKP	05:02:12.571	0.4	16.3	2.74	TAS	m_e
MOX	146.54	PKP	05:02:12.596	-0.5	16.3	2.74	TAS	m_e
PLN	146.59	PKP	05:02:12.966		16.3	2.74	TAS	m_e
TNS	147.43	PKP	05:02:15.137		16.3	2.74	TAS	m_e
UBR	149.66	PKP	05:02:20.726		16.3	2.74	TAS	m_e
WLF	148.22	PKP	05:02:17.790		16.3	2.74	TAS	m_e

Event 20528002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/28	15:32:27.84			-20.6000	-172.6000				33.0			25		146.56	152.80	m i ke	BGR
OrigID 20528008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	20528008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.03		PKPbc	15:52:15.514	0.3	7.2		2.44		TAS				m_e	
ASSE	148.34		PKPbc	15:52:10.398	0.1	7.2		2.44		TAS				m_e	
BFO	152.23		PKPbc	15:52:20.167	-0.3	7.2		2.44		TAS				m_e	
BRG	149.26		PKPdf	15:52:09.158		355.8		1.93		TAS				m_e	
BRG	149.26		PKPbc	15:52:13.066	0.1	7.2		2.44		TAS				m_e	
BSEG	146.56		PKPbc	15:52:05.968	0.1	7.2		2.44		TAS				m_e	
BUG	149.13		PKPbc	15:52:12.543	0.6	7.2		2.44		TAS				m_e	
CLL	148.95		PKPdf	15:52:08.482		355.8		1.93		TAS				m_e	
CLL	148.95		PKPbc	15:52:12.543	0.4	7.2		2.44		TAS				m_e	
CLL	148.95		PKPab	15:52:16.010		7.0		4.10		TAS				m_e	
CLZ	148.64		PKPbc	15:52:11.685	0.2	7.2		2.44		TAS				m_e	
CLZ	148.64		PKPab	15:52:15.028		7.0		4.10		TAS				m_e	
FLT1	148.10		PKPbc	15:52:10.161	-0.3	7.2		2.44		TAS				m_e	
FUR	152.23		PKPbc	15:52:20.123	-0.2	7.2		2.44		TAS				m_e	
GEC2	151.28		PKPbc	15:52:17.879	-0.0	7.2		2.44		TAS				m_e	
GOR1	147.44		PKPbc	15:52:08.676	-0.3	7.2		2.44		TAS				m_e	
GRA1	150.72		PKPbc	15:52:17.117	0.0	7.2		2.44		TAS				m_e	
GRA1	150.72		L	17:00:40.227						T__		750.0	21.80	a_e Ms	5.5
GTTG	148.96		PKPbc	15:52:12.702	-0.4	7.2		2.44		TAS				m_e	
IBBN	148.26		PKPbc	15:52:10.430	-0.4	7.2		2.44		TAS				m_e	
KAST	149.36		PKPbc	15:52:13.496	0.3	7.2		2.44		TAS				m_e	
KAST	149.36		PKPab	15:52:17.904		7.0		4.10		TAS				m_e	
MOX	149.74		PKPdf	15:52:09.302		355.8		1.93		TAS				m_e	
MOX	149.74		PKPbc	15:52:14.544	0.4	7.2		2.44		TAS				m_e	
MOX	149.74		PKPab	15:52:19.594		7.0		4.10		TAS				m_e	
MOX	149.74		L	16:59:39.077						T__		695.6	21.10	a_e Ms	5.4
NEUB	149.19		PKPbc	15:52:13.484	-0.1	7.2		2.44		TAS				m_e	
PLN	149.85		PKPdf	15:52:09.865		355.8		1.93		TAS				m_e	

PLN	149.85	PKPbc	15:52:14.830	0.3	7.2	2.44	TAS	m_e
RUE	147.71	PKPbc	15:52:09.017	-0.0	7.2	2.44	TAS	m_e
STU	151.76	PKPdf	15:52:12.894		355.8	1.93	TAS	m_e
STU	151.76	PKPbc	15:52:19.183	-0.2	7.2	2.44	TAS	m_e
STU	151.76	PKPab	15:52:27.760		7.0	4.10	TAS	m_e
TNS	150.34	PKPbc	15:52:16.069	0.5	7.2	2.44	TAS	m_e
TNS	150.34	PKPab	15:52:21.521		7.0	4.10	TAS	m_e
UBR	152.80	PKPbc	15:52:21.405		7.2	2.44	TAS	m_e
WET	151.09	PKPbc	15:52:16.927	-0.2	7.2	2.44	TAS	m_e
WLF	150.89	PKPbc	15:52:17.403	-0.6	7.2	2.44	TAS	m_e
WLF	150.89	PKPab	15:52:24.857		7.0	4.10	TAS	m_e

Event 20529002 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
2022/05/29	06:55:22.70			36.4180	141.7530				33.0			22		80.46	85.87	m i ke	BGR
OrigID 20529008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	20529008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.55		P	07:07:51.511	0.2	38.0		5.13		TAS		37.8	1.00	m_e mb	5.6
BFO	85.87		P	07:07:57.866		38.0		5.13		TAS		77.1	0.98	m_e mb	5.8
BRG	81.62		P	07:07:36.196	-0.1	38.0		5.13		TAS		45.0	0.92	m_e mb	5.6
BSEG	80.63		P	07:07:31.536	-0.1	38.0		5.13		TAS		86.7	1.04	m_e mb	5.7
BUG	83.74		P	07:07:46.687	-0.1	38.0		5.13		TAS		27.9	0.92	m_e mb	5.5
CLL	81.67		P	07:07:36.273	-0.2	38.0		5.13		TAS		93.9	0.90	m_e mb	5.9
CLZ	82.27		P	07:07:40.102	0.1	38.0		5.13		TAS		68.7	1.03	m_e mb	5.7
FLT1	81.56		P	07:07:35.595	-0.5	38.0		5.13		TAS		72.7	0.87	m_e mb	5.8
FUR	84.82		P	07:07:53.042		38.0		5.13		TAS		82.4	0.90	m_e mb	6.0
GEC2	83.28		P	07:07:44.696		38.0		5.13		TAS		37.9	1.13	m_e mb	5.5
GOR1	81.01		P	07:07:33.221	0.0	38.0		5.13		TAS		64.4	1.13	m_e mb	5.6
GRA1	83.64		P	07:07:47.223	0.3	38.0		5.13		TAS		106.2	0.92	m_e mb	6.1
GTTG	82.66		P	07:07:41.873	-0.2	38.0		5.13		TAS		52.1	0.91	m_e mb	5.8
IBBN	82.86		P	07:07:42.639	0.2	38.0		5.13		TAS		85.0	0.99	m_e mb	5.9
KAST	83.51		P	07:07:46.074	0.2	38.0		5.13		TAS		18.0	0.87	m_e mb	5.3
MOX	82.73		P	07:07:41.863	0.5	38.0		5.13		TAS		23.5	0.86	m_e mb	5.4
NEUB	82.24		P	07:07:39.336	-0.0	38.0		5.13		TAS		93.1	0.94	m_e mb	5.9
PLN	82.64		P	07:07:41.556	-0.1	38.0		5.13		TAS		7.3	0.94	m_e mb	4.9
RUE	80.46		P	07:07:30.311	0.5	38.0		5.13		TAS		104.1	1.16	m_e mb	5.8
STU	85.18		P	07:07:54.497		38.0		5.13		TAS		217.4	0.95	m_e mb	6.4
TNS	84.29		P	07:07:49.979	-0.1	38.0		5.13		TAS		34.8	1.18	m_e mb	5.5
WET	83.39		P	07:07:45.615		38.0		5.13		TAS		37.2	1.07	m_e mb	5.5

Event 20531003 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/05/31	14:41:47.90			52.5330	178.1690				33.0			17		73.29	79.01	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20531009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.89		P	14:53:34.953		8.1		5.61		TAS		25.1	0.74	m_e mb	5.4
BFO	79.01		P	14:53:46.316		8.1		5.61		TAS		8.0	0.82	m_e mb	4.8
BRG	75.98		P	14:53:30.033	-0.1	8.1		5.61		TAS		8.8	0.85	m_e mb	4.9
BSEG	73.29		P	14:53:14.987	-0.5	8.1		5.61		TAS		21.4	0.84	m_e mb	5.3
BUG	75.98		P	14:53:30.131	-0.4	8.1		5.61		TAS		15.5	0.64	m_e mb	5.3
CLZ	75.36		P	14:53:26.635	-0.2	8.1		5.61		TAS		25.0	0.71	m_e mb	5.3
FLT1	74.80		P	14:53:22.958	-0.2	8.1		5.61		TAS		15.7	0.68	m_e mb	5.2
GEC2	78.01		P	14:53:41.211		8.1		5.61		TAS		9.1	0.74	m_e mb	5.0
GRA1	77.42		P	14:53:38.844		8.1		5.61		TAS		24.0	0.88	m_e mb	5.3
IBBN	75.09		P	14:53:24.689	0.0	8.1		5.61		TAS		33.9	0.82	m_e mb	5.4
MOX	76.44		P	14:53:32.438	-0.7	8.1		5.61		TAS		10.8	0.88	m_e mb	5.0
NEUB	75.88		P	14:53:29.897	0.1	8.1		5.61		TAS		24.0	1.03	m_e mb	5.3
PLN	76.55		P	14:53:33.004		8.1		5.61		TAS		3.1	0.94	m_e mb	4.4
TANN	76.59		P	14:53:33.391		8.1		5.61		TAS		9.0	1.19	m_e mb	4.8
TNS	77.12		P	14:53:36.002		8.1		5.61		TAS		18.6	0.69	m_e mb	5.3
WET	77.80		P	14:53:40.369		8.1		5.61		TAS		7.5	0.92	m_e mb	4.8
WLF	77.82		P	14:53:40.872		8.1		5.61		TAS		14.4	0.75	m_e mb	5.2