

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

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

August 2022

UPDATED 29.November 2023

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

Event 20801005 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/01	00:36:43.77			54.4200	-165.6400				33.0			27		71.27	78.08	m i ke	BGR
OrigID 20801011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20801011
Ms	4.4		BGR	20801011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.10		P	00:48:23.775	0.0	358.4		5.76		TAS		19.3	0.82	a_e mb	5.2
ASSE	73.65		P	00:48:15.175	0.2	358.4		5.76		TAS		25.7	1.09	a_e mb	5.2
BFO	77.36		P	00:48:36.325	-0.2	358.4		5.76		TAS		22.5	1.33	a_e mb	5.1
BRG	74.95		P	00:48:22.625	0.1	358.4		5.76		TAS		28.2	1.37	m_e mb	5.1
BSEG	71.83		P	00:48:04.725	0.3	358.4		5.76		TAS		44.3	1.21	a_e mb	5.5
BUG	74.21		P	00:48:18.225	0.0	358.4		5.76		TAS		56.0	1.41	a_e mb	5.4
CLL	74.51		P	00:48:19.825	-0.0	358.4		5.76		TAS		13.4	0.80	a_e mb	5.0
CLZ	73.92		P	00:48:17.225	-0.3	358.4		5.76		TAS		67.5	1.33	a_e mb	5.5
FLT1	73.46		P	00:48:13.625	0.3	358.4		5.76		TAS		56.8	1.54	a_e mb	5.4
FUR	77.62		P	00:48:38.175		358.4		5.76		TAS		40.2	1.27	a_e mb	5.4
GEC2	76.97		P	00:48:34.375	-0.0	358.4		5.76		TAS		9.8	0.83	a_e mb	5.0
GOR1	72.80		P	00:48:10.675	0.1	358.4		5.76		TAS		31.3	1.24	a_e mb	5.3
GRA1	76.10		P	00:48:29.775	-0.2	358.4		5.76		TAS		21.4	0.78	a_e mb	5.3
GRA1	76.10		L	01:25:49.310						T__		228.2	21.20	a_e Ms	4.5
GTTG	74.21		P	00:48:18.961	-0.3	358.4		5.76		TAS		66.2	1.26	m_e mb	5.5
IBBN	73.37		P	00:48:13.775	-0.1	358.4		5.76		TAS		73.9	1.40	a_e mb	5.5
KAST	74.50		P	00:48:20.225	-0.1	358.4		5.76		TAS		11.4	0.89	a_e mb	4.9
MOX	75.15		P	00:48:23.975	0.2	358.4		5.76		TAS		16.8	0.74	a_e mb	5.2
MOX	75.15		L	01:24:12.099						T__		216.7	21.00	a_e Ms	4.4
NEUB	74.60		P	00:48:20.725	0.1	358.4		5.76		TAS		49.6	1.22	a_e mb	5.4

PLN	75.32	P	00:48:24.875	-0.0	358.4	5.76	TAS	3.6	0.87	a_e	mb	4.4
RGN	71.27	P	00:48:01.324	-0.1	358.4	5.76	TAS	48.1	0.81	m_e	mb	5.7
RUE	73.34	P	00:48:13.475	-0.5	358.4	5.76	TAS	70.9	1.45	a_e	mb	5.6
STU	76.96	P	00:48:34.125	-0.4	358.4	5.76	TAS	33.7	0.77	m_e	mb	5.5
TANN	75.39	P	00:48:25.475	0.3	358.4	5.76	TAS	20.5	1.30	a_e	mb	5.1
TNS	75.48	P	00:48:25.825	0.4	358.4	5.76	TAS	12.8	0.79	a_e	mb	5.1
UBR	78.08	P	00:48:40.675		358.4	5.76	TAS	28.0	1.30	a_e	mb	5.2
WET	76.67	P	00:48:32.975	0.0	358.4	5.76	TAS	20.7	1.26	a_e	mb	5.1
WLF	75.93	P	00:48:28.675	0.3	358.4	5.76	TAS	49.0	1.36	a_e	mb	5.5

Event 20801006 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/01	04:08:26.84			53.3300	-167.9500				33.0			26		72.35	79.22	m i ke	BGR
OrigID 20801012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20801012
Ms	4.3		BGR	20801012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.29		P	04:20:13.675	-0.0	359.8		5.68		TAS		32.1	1.04	a_e	mb	5.4
ASSE	74.78		P	04:20:04.875	-0.4	359.8		5.68		TAS		30.0	1.10	a_e	mb	5.2
BFO	78.53		P	04:20:26.025		359.8		5.68		TAS		31.2	1.07	m_e	mb	5.3
BRG	76.03		P	04:20:11.875	-0.0	359.8		5.68		TAS		27.6	1.09	m_e	mb	5.3
BSEG	72.96		P	04:19:54.475	0.2	359.8		5.68		TAS		36.3	1.03	a_e	mb	5.5
BUG	75.39		P	04:20:08.075	-0.1	359.8		5.68		TAS		29.0	0.97	a_e	mb	5.4
CLL	75.60		P	04:20:09.225	-0.1	359.8		5.68		TAS		28.7	1.16	a_e	mb	5.3
CLZ	75.06		P	04:20:06.875	-0.4	359.8		5.68		TAS		55.8	1.13	a_e	mb	5.5
FUR	78.75		P	04:20:27.475		359.8		5.68		TAS		78.7	1.25	a_e	mb	5.6
GEC2	78.06		P	04:20:23.525	-0.1	359.8		5.68		TAS		31.4	1.10	a_e	mb	5.3
GOR1	73.92		P	04:20:00.275	-0.1	359.8		5.68		TAS		37.9	1.23	a_e	mb	5.3
GRA1	77.22		P	04:20:19.225	-0.2	359.8		5.68		TAS		59.8	1.09	a_e	mb	5.6
GRA1	77.22		L	05:03:38.851						T__		124.0	20.10	a_e	Ms	4.2
GTTG	75.35		P	04:20:08.475	-0.0	359.8		5.68		TAS		62.7	1.07	a_e	mb	5.6
IBBN	74.54		P	04:20:03.675	0.3	359.8		5.68		TAS		53.6	0.99	a_e	mb	5.5
KAST	75.66		P	04:20:09.975	0.1	359.8		5.68		TAS		17.1	0.95	a_e	mb	5.2
MOX	76.26		P	04:20:13.475	0.2	359.8		5.68		TAS		38.2	1.12	a_e	mb	5.4
MOX	76.26		L	05:04:54.224						T__		199.5	20.00	a_e	Ms	4.4
NEUB	75.72		P	04:20:10.225	0.1	359.8		5.68		TAS		57.8	1.11	a_e	mb	5.6
PLN	76.43		P	04:20:14.275	0.3	359.8		5.68		TAS		5.7	1.03	a_e	mb	4.6
RGN	72.35		P	04:19:51.075	-0.1	359.8		5.68		TAS		58.4	0.82	a_e	mb	5.8
RUE	74.42		P	04:20:02.825	-0.1	359.8		5.68		TAS		47.8	1.01	a_e	mb	5.5
STU	78.11		P	04:20:23.725	-0.1	359.8		5.68		TAS		119.7	1.22	a_e	mb	5.9
TANN	76.50		P	04:20:14.875	0.4	359.8		5.68		TAS		16.8	1.16	a_e	mb	5.1
TNS	76.64		P	04:20:15.575	0.3	359.8		5.68		TAS		25.2	0.98	a_e	mb	5.3

UBR	79.22	P	04:20:30.075	359.8	5.68	TAS	38.6	1.09	a_e	mb	5.3
WET	77.76	P	04:20:22.175	-0.3 359.8	5.68	TAS	21.0	1.10	a_e	mb	5.2
WLF	77.13	P	04:20:18.625	-0.0 359.8	5.68	TAS	27.4	1.06	a_e	mb	5.3

Event 20801007 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/01	23:31:22.67			64.1330	-21.5650				33.0			26		19.07	24.29	m i ke	BGR
OrigID 20801013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20801013
Ms	3.9		BGR	20801013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.32	P		23:35:56.384	-0.2	322.0		10.36		TAS		71.5	1.24	m_e	mb 4.8
ASSE	20.53	P		23:35:57.919	0.2	322.0		10.36		TAS		49.7	1.22	m_e	mb 4.7
BFO	22.60	P		23:36:19.780	-0.3	322.0		10.36		TAS		29.7	1.07	m_e	mb 4.7
BRG	22.82	P		23:36:21.682	0.0	322.0		10.36		TAS		45.9	1.27	m_e	mb 4.9
BSEG	19.07	P		23:35:41.886	0.4	322.0		10.36		TAS		31.5	0.93	m_e	mb 4.5
BUG	19.69	P		23:35:48.976	-0.6	322.0		10.36		TAS		91.2	1.82	m_e	mb 4.7
CLL	22.11	P		23:36:14.743	0.8	322.0		10.36		TAS		91.9	1.49	m_e	mb 5.0
CLZ	20.62	P		23:35:59.401	-0.1	322.0		10.36		TAS		46.9	1.51	m_e	mb 4.6
FLT1	20.61	P		23:35:58.435	0.7	322.0		10.36		TAS		24.2	1.12	m_e	mb 4.4
FUR	23.87	P		23:36:33.337		322.0		10.36		TAS		80.0	1.68	m_e	mb 5.0
GEC2	24.29	P		23:36:37.132		322.0		10.36		TAS		20.0	1.55	m_e	mb 4.4
GOR1	20.16	P		23:35:54.859	-0.6	322.0		10.36		TAS		73.1	1.39	m_e	mb 4.7
GRA1	22.63	P		23:36:20.536	0.0	322.0		10.36		TAS		50.0	1.24	m_e	mb 4.9
GRA1	22.63	L		23:44:42.875						T__		331.7	22.00	a_e	Ms 3.7
GTTG	20.68	P		23:36:00.572	2.1	322.0		10.36		TAS		50.2	1.06	m_e	mb 4.8
IBBN	19.22	P		23:35:45.622	-1.0	322.0		10.36		TAS		45.6	1.31	m_e	mb 4.5
KAST	20.33	P		23:35:56.150	-0.7	322.0		10.36		TAS		32.9	1.15	m_e	mb 4.5
MOX	22.04	P		23:36:13.258	-0.5	322.0		10.36		TAS		39.6	1.04	m_e	mb 4.8
MOX	22.04	L		23:45:30.706						T__		636.8	18.50	a_e	Ms 4.1
NEUB	21.69	P		23:36:10.719	0.0	322.0		10.36		TAS		71.0	0.92	m_e	mb 5.1
PLN	22.39	P		23:36:17.903	0.7	322.0		10.36		TAS		12.4	1.04	m_e	mb 4.3
RUE	21.57	P		23:36:09.721	0.3	322.0		10.36		TAS		80.1	1.30	m_e	mb 5.0
STU	22.56	P		23:36:20.215	0.0	322.0		10.36		TAS		106.4	1.10	m_e	mb 5.3
TANN	22.56	P		23:36:19.176	-0.1	322.0		10.36		TAS		41.0	1.09	m_e	mb 4.9
TNS	21.11	P		23:36:04.527	-1.1	322.0		10.36		TAS		59.8	1.10	m_e	mb 4.8
UBR	23.81	P		23:36:32.220		322.0		10.36		TAS		28.9	1.04	m_e	mb 4.7
WET	23.72	P		23:36:31.579	-0.6	322.0		10.36		TAS		13.7	0.87	m_e	mb 4.5
WLF	20.68	P		23:35:59.677	0.2	322.0		10.36		TAS		22.0	1.07	m_e	mb 4.4

Event 20801008 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/01	23:34:15.36			-20.8420	-175.9790				560.0				14	146.53	152.69	m i ke	BGR
OrigID 20801014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.27		PKPbc	23:53:08.901		13.8		2.41		TAS					m_e
BRG	148.95		PKPbc	23:53:01.074	-0.1	13.8		2.41		TAS					m_e
BSEG	146.53		PKPbc	23:52:54.454	0.4	13.8		2.41		TAS					m_e
CLL	148.71		PKPbc	23:53:00.354	0.3	13.8		2.41		TAS					m_e
CLZ	148.58		PKPbc	23:53:00.500	0.3	13.8		2.41		TAS					m_e
FLT1	147.99		PKPbc	23:52:58.373	0.2	13.8		2.41		TAS					m_e
GEC2	150.92		PKPbc	23:53:05.546		13.8		2.41		TAS					m_e
KAST	149.41		PKPbc	23:53:02.477		13.8		2.41		TAS					m_e
MOX	149.57		PKPbc	23:53:02.609		13.8		2.41		TAS					m_e
NEUB	149.02		PKPbc	23:53:01.249	-0.5	13.8		2.41		TAS					m_e
PLN	149.64		PKPbc	23:53:02.858		13.8		2.41		TAS					m_e
TANN	149.66		PKPbc	23:53:02.997		13.8		2.41		TAS					m_e
TNS	150.38		PKPbc	23:53:04.866		13.8		2.41		TAS					m_e
UBR	152.69		PKPbc	23:53:09.449		13.8		2.41		TAS					m_e

Event 20802007 Santa Cruz Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/02	01:42:16.00			-11.9340	166.7580				202.1				5	134.05	139.44	m i ke	USGS
OrigID 20802025																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	135.44		PKIKP	02:01:13.071	-0.3	35.7		1.97		TAS					m_e
ASSE	135.44		SKPbc	02:04:27.953						T__					m_e
BFO	139.44		PP	02:04:16.659						T__					m_e
BRG	135.23		SKPbc	02:04:27.068						T__					m_e
BSEG	134.05		PKIKP	02:01:10.899	-0.0	35.7		1.97		TAS					m_e
BSEG	134.05		SKPbc	02:04:23.321	0.4					T__					m_e
BUG	137.15		PKIKP	02:01:16.422		35.7		1.97		TAS					m_e
CLL	135.25		PKIKP	02:01:12.852	0.0	35.7		1.97		TAS					m_e
CLZ	135.78		PKIKP	02:01:14.023	0.3	35.7		1.97		TAS					m_e
FLT1	135.08		PKIKP	02:01:12.493	0.1	35.7		1.97		TAS					m_e
FLT1	135.08		PP	02:03:48.653						T__					m_e
GEC2	136.89		PKIKP	02:01:15.951		35.7		1.97		TAS					m_e

IBBN	136.25	PP	02:03:53.807			T__	m_e
KAST	136.98	PKIKP	02:01:16.307	35.7	1.97	TAS	m_e
PLN	136.23	PKIKP	02:01:14.896	35.7	1.97	TAS	m_e
PLN	136.23	SKPbc	02:04:30.381			T__	m_e
UBR	139.29	PKIKP	02:01:21.195	35.7	1.97	TAS	m_e
UBR	139.29	SKPbc	02:04:38.238			T__	m_e
WET	137.00	PKIKP	02:01:16.415	35.7	1.97	TAS	m_e

Event 20802008 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/02	02:27:10.91			63.8800	-21.5800				33.0			26		19.00	24.20	m i ke	BGR
OrigID 20802014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20802014
Ms	3.9		BGR	20802014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.21	P		02:31:43.770	-1.0	320.5		10.30		TAS		122.0	1.33	m_e	mb 5.0
ASSE	20.45	P		02:31:46.124	-0.5	320.5		10.30		TAS		48.5	1.10	m_e	mb 4.6
BFO	22.47	P		02:32:08.104	-0.2	320.5		10.30		TAS		79.6	1.22	m_e	mb 5.1
BRG	22.75	P		02:32:10.022	0.3	320.5		10.30		TAS		70.6	1.27	m_e	mb 5.0
BSEG	19.00	P		02:31:30.609	-1.0	320.5		10.30		TAS		50.2	1.28	m_e	mb 4.6
BUG	19.58	P		02:31:36.725	-1.0	320.5		10.30		TAS		52.5	1.17	m_e	mb 4.7
CLL	22.03	P		02:32:02.608	0.8	320.5		10.30		TAS		120.6	1.49	m_e	mb 5.1
CLZ	20.54	P		02:31:47.626	-0.1	320.5		10.30		TAS		36.5	1.19	m_e	mb 4.6
FLT1	20.54	P		02:31:46.572	-0.4	320.5		10.30		TAS		31.7	1.07	a_e	mb 4.6
FUR	23.76	P		02:32:21.498		320.5		10.30		TAS		69.0	1.39	m_e	mb 5.0
GEC2	24.20	P		02:32:25.175		320.5		10.30		TAS		21.2	1.30	m_e	mb 4.5
GOR1	20.09	P		02:31:41.772	1.6	320.5		10.30		TAS		75.5	1.35	a_e	mb 4.8
GRA1	22.53	P		02:32:08.856	-0.4	320.5		10.30		TAS		115.7	1.48	m_e	mb 5.2
GRA1	22.53	L		02:40:31.341						T__		533.4	21.80	a_e	Ms 3.9
GTTG	20.59	P		02:31:48.616	1.0	320.5		10.30		TAS		59.0	1.09	m_e	mb 4.8
IBBN	19.12	P		02:31:32.538	-1.3	320.5		10.30		TAS		76.3	1.35	m_e	mb 4.8
KAST	20.23	P		02:31:46.422	1.3	320.5		10.30		TAS		67.2	1.29	a_e	mb 4.7
NEUB	21.60	P		02:31:58.662	-0.6	320.5		10.30		TAS		123.1	1.03	m_e	mb 5.3
PLN	22.30	P		02:32:05.674	1.5	320.5		10.30		TAS		15.8	1.04	m_e	mb 4.4
RGN	19.87	P		02:31:41.972	-0.2	320.5		10.30		TAS		170.3	1.16	a_e	mb 5.2
RUE	21.51	P		02:31:57.590	-0.5	320.5		10.30		TAS		147.4	1.40	m_e	mb 5.2
STU	22.45	P		02:32:07.872	-0.7	320.5		10.30		TAS		319.6	1.55	a_e	mb 5.5
TANN	22.48	P		02:32:07.372	-0.3	320.5		10.30		TAS		77.1	1.26	m_e	mb 5.1
TNS	21.00	P		02:31:52.103	-0.3	320.5		10.30		TAS		114.6	1.24	m_e	mb 5.1
UBR	23.69	P		02:32:20.871	-0.3	320.5		10.30		TAS		44.5	1.00	m_e	mb 5.0
WET	23.63	P		02:32:19.680	0.4	320.5		10.30		TAS		24.0	0.92	m_e	mb 4.7
WLF	20.56	P		02:31:47.731	-1.2	320.5		10.30		TAS		31.6	1.26	m_e	mb 4.5

Event 20802009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/02	02:53:49.06			-17.3290	-176.9410				645.0			16		142.95	149.09	m i ke	BGR
OrigID 20802015																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.67		PKPbc	03:12:14.775	0.6	14.4		2.74		TAS					m_e
BFO	148.69		PKPbc	03:12:25.404		14.4		2.74		TAS					m_e
BRG	145.34		PKPbc	03:12:16.725	0.2	14.4		2.74		TAS					m_e
BSEG	142.95		PKPbc	03:12:09.395	-0.5	14.4		2.74		TAS					m_e
CLL	145.10		PKPbc	03:12:15.901	0.3	14.4		2.74		TAS					m_e
CLZ	144.99		PKPbc	03:12:16.055	0.4	14.4		2.74		TAS					m_e
FLT1	144.40		PKPbc	03:12:13.576	0.1	14.4		2.74		TAS					m_e
GEC2	147.31		PKPbc	03:12:22.003		14.4		2.74		TAS					m_e
GTTG	145.33		PKPbc	03:12:17.185	-0.1	14.4		2.74		TAS					m_e
IBBN	144.81		PKPbc	03:12:15.310	0.1	14.4		2.74		TAS					m_e
NEUB	145.42		PKPbc	03:12:16.946	0.4	14.4		2.74		TAS					m_e
PLN	146.04		PKPbc	03:12:18.900		14.4		2.74		TAS					m_e
TANN	146.05		PKPbc	03:12:18.873		14.4		2.74		TAS					m_e
TNS	146.81		PKPbc	03:12:20.969		14.4		2.74		TAS					m_e
UBR	149.09		PKPbc	03:12:26.329		14.4		2.74		TAS					m_e
WLF	147.55		PKPbc	03:12:23.470		14.4		2.74		TAS					m_e

Event 20803006 Nicaragua

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/03	21:55:41.02			13.0800	-86.1700				150.3	2.1		21		81.64	86.63	m i ke	BGR
OrigID 20803012																	

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 20803012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.06		P	22:07:44.580	-0.3	283.7		5.04		TAS		20.5	1.16	m_e mb	5.2
AHRW	82.06		pP	22:08:21.845						T__					m_e
ASSE	83.92		P	22:07:54.358	0.1	283.7		5.04		TAS		9.3	1.05	m_e mb	5.0
ASSE	83.92		pP	22:08:31.495						T__					m_e
BRG	86.22		P	22:08:05.295		283.7		5.04		TAS		8.6	1.11	m_e mb	4.8
BSEG	83.30		P	22:07:51.192	-0.5	283.7		5.04		TAS		11.1	0.91	m_e mb	5.1

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BUG	82.01	P	22:07:44.451	-0.0	283.7	5.04	TAS	15.0	1.01	m_e	mb	5.1
CLL	85.53	P	22:08:01.903		283.7	5.04	TAS	13.3	0.94	m_e	mb	5.0
CLL	85.53	pP	22:08:39.476				T__			m_e		
CLZ	83.81	P	22:07:54.046	-0.1	283.7	5.04	TAS	15.1	0.87	m_e	mb	5.2
FLT1	84.21	P	22:07:55.086	-0.1	283.7	5.04	TAS	15.3	1.05	m_e	mb	5.2
GEC2	86.63	P	22:08:07.131		283.7	5.04	TAS	10.0	1.04	m_e	mb	4.9
GEC2	86.63	pP	22:08:45.168				T__			m_e		
GRA1	84.84	P	22:07:58.529	0.1	283.7	5.04	TAS	18.8	1.09	m_e	mb	5.2
GRA1	84.84	pP	22:08:36.289				T__			m_e		
IBBN	82.14	P	22:07:44.757	-0.4	283.7	5.04	TAS	12.2	0.70	m_e	mb	5.1
KAST	82.76	P	22:07:47.803	0.0	283.7	5.04	TAS	6.0	0.95	m_e	mb	4.8
MOX	84.86	P	22:07:58.839	-0.3	283.7	5.04	TAS	12.6	1.05	m_e	mb	5.1
NEUB	84.81	P	22:07:58.569	0.6	283.7	5.04	TAS	10.0	0.96	m_e	mb	5.0
PLN	85.23	P	22:08:00.704		283.7	5.04	TAS	7.3	0.95	m_e	mb	4.9
PLN	85.23	pP	22:08:38.091				T__			m_e		
RUE	85.68	P	22:08:03.551		283.7	5.04	TAS	27.9	1.16	m_e	mb	5.3
TANN	85.44	P	22:08:01.541		283.7	5.04	TAS	20.4	0.99	m_e	mb	5.3
TANN	85.44	pP	22:08:39.609				T__			m_e		
TNS	82.98	P	22:07:49.259	0.2	283.7	5.04	TAS	10.3	0.94	m_e	mb	5.0
TNS	82.98	pP	22:08:27.171				T__			m_e		
UBR	84.61	P	22:07:58.117	-0.3	283.7	5.04	TAS	11.4	0.99	m_e	mb	5.1
WET	86.03	P	22:08:04.754		283.7	5.04	TAS	20.8	1.04	m_e	mb	5.2
WET	86.03	pP	22:08:42.226				T__			m_e		
WLF	81.64	P	22:07:42.250	-0.2	283.7	5.04	TAS	19.2	1.08	m_e	mb	5.2
WLF	81.64	pP	22:08:19.554				T__			m_e		

Event 20804006 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
2022/08/04	00:48:21.63			37.8140	141.7570				58.2	2.2		27		77.82	84.65	m i ke	BGR
	20804012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	20804012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.31		P	01:00:40.319	-0.0	37.3		5.22		TAS		43.2	0.97	m_e	mb 5.7
ASSE	80.70		P	01:00:26.613	0.4	37.3		5.22		TAS		38.3	1.03	m_e	mb 5.4
BFO	84.65		P	01:00:47.280		37.3		5.22		TAS		92.4	1.00	a_e	mb 6.0
BFO	84.65		pP	01:01:03.244	-0.3					T__				m_e	
BRG	80.42		P	01:00:25.380	-0.3	37.3		5.22		TAS		39.8	0.94	a_e	mb 5.4
BSEG	79.39		P	01:00:19.980	0.1	37.3		5.22		TAS		87.1	0.94	a_e	mb 5.8
BSEG	79.39		pP	01:00:36.855	-0.3					T__				m_e	
BUG	82.49		P	01:00:35.930	-0.1	37.3		5.22		TAS		40.7	0.86	m_e	mb 5.7
CLL	80.46		P	01:00:25.280	-0.2	37.3		5.22		TAS		82.7	0.93	a_e	mb 5.8
CLZ	81.04		P	01:00:29.030	0.3	37.3		5.22		TAS		90.9	1.02	a_e	mb 5.8

FLT1	80.33	P	01:00:24.380	-0.0	37.3	5.22	TAS	82.3	0.92	a_e	mb	5.7
FLT1	80.33	pP	01:00:40.793	-0.3			T__				m_e	
FUR	83.63	P	01:00:42.330	0.1	37.3	5.22	TAS	93.8	0.89	a_e	mb	6.0
GEC2	82.10	P	01:00:34.080	0.1	37.3	5.22	TAS	25.3	0.87	m_e	mb	5.4
GOR1	79.78	P	01:00:22.330	0.3	37.3	5.22	TAS	107.8	1.25	a_e	mb	5.6
GRA1	82.43	P	01:00:36.480	0.0	37.3	5.22	TAS	96.1	1.02	a_e	mb	6.0
GTTG	81.43	P	01:00:30.934	0.0	37.3	5.22	TAS	64.3	0.92	m_e	mb	5.7
IBBN	81.61	P	01:00:31.650	0.2	37.3	5.22	TAS	89.0	0.89	m_e	mb	5.9
KAST	82.28	P	01:00:35.180	-0.2	37.3	5.22	TAS	29.9	0.95	a_e	mb	5.4
MOX	81.52	P	01:00:31.180	-0.0	37.3	5.22	TAS	77.1	1.48	a_e	mb	5.6
NEUB	81.03	P	01:00:28.430	-0.0	37.3	5.22	TAS	96.8	0.98	a_e	mb	5.8
PLN	81.44	P	01:00:30.730	0.1	37.3	5.22	TAS	8.7	0.99	a_e	mb	4.8
RGN	77.82	P	01:00:11.582	-0.2	37.3	5.22	TAS	202.3	1.45	m_e	mb	6.0
RGN	77.82	pP	01:00:27.776	-0.3			T__				m_e	
RUE	79.25	P	01:00:19.130	-0.1	37.3	5.22	TAS	46.9	0.70	a_e	mb	5.6
STU	83.96	P	01:00:43.880	-0.5	37.3	5.22	TAS	210.2	1.12	a_e	mb	6.3
TANN	81.37	P	01:00:30.324	0.1	37.3	5.22	TAS	93.1	1.84	m_e	mb	5.5
TNS	83.06	P	01:00:39.230	0.2	37.3	5.22	TAS	25.0	0.93	a_e	mb	5.4
UBR	84.49	P	01:00:46.181		37.3	5.22	TAS	27.8	1.13	m_e	mb	5.4
WET	82.20	P	01:00:34.939	0.6	37.3	5.22	TAS	43.4	1.10	m_e	mb	5.5
WLF	84.36	P	01:00:46.049	-0.2	37.3	5.22	TAS	114.6	1.60	m_e	mb	5.9

Event 20804007 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/04	03:30:00.75			32.2300	141.2800				34.8	2.0		19		83.92	89.34	m i ke	BGR
OrigID 20804013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20804013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	85.44	P		03:42:35.419		40.7		4.80		TAS		8.3	1.09	m_e	mb 4.8
ASSE	85.44	pP		03:42:45.658	0.1					T__				m_e	
BFO	89.34	pP		03:43:04.233						T__				m_e	
BRG	85.04	P		03:42:33.767		40.7		4.80		TAS		10.4	1.22	m_e	mb 4.9
BRG	85.04	pP		03:42:44.417	-0.4					T__				m_e	
BSEG	84.19	P		03:42:29.585		40.7		4.80		TAS		11.8	1.06	m_e	mb 5.0
BSEG	84.19	pP		03:42:39.878	0.1					T__				m_e	
BUG	87.30	pP		03:42:54.536						T__				m_e	
CLL	85.11	P		03:42:33.978		40.7		4.80		TAS		16.5	1.03	m_e	mb 5.2
CLL	85.11	pP		03:42:43.863	-0.2					T__				m_e	
CLZ	85.78	P		03:42:37.695		40.7		4.80		TAS		16.0	1.22	m_e	mb 5.0
CLZ	85.78	pP		03:42:47.607	-0.6					T__				m_e	
FLT1	85.06	P		03:42:33.370		40.7		4.80		TAS		13.6	1.03	m_e	mb 5.1
FLT1	85.06	pP		03:42:43.314	-0.1					T__				m_e	

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GEC2	86.64	P	03:42:41.418		40.7	4.80	TAS	13.7	1.82	m_e	mb	4.8
GEC2	86.64	pP	03:42:50.997				T__				m_e	
GOR1	84.53	pP	03:42:41.669	0.5			T__				m_e	
GRA1	87.08	pP	03:42:54.415				T__				m_e	
KAST	87.04	P	03:42:43.437		40.7	4.80	TAS	6.1	0.98	m_e	mb	4.7
KAST	87.04	pP	03:42:53.978				T__				m_e	
MOX	86.19	P	03:42:39.295		40.7	4.80	TAS	9.3	1.23	m_e	mb	4.8
MOX	86.19	pP	03:42:49.515	-0.3			T__				m_e	
NEUB	85.71	P	03:42:37.047		40.7	4.80	TAS	23.8	1.19	m_e	mb	5.2
NEUB	85.71	pP	03:42:47.091	0.1			T__				m_e	
PLN	86.08	P	03:42:39.349		40.7	4.80	TAS	5.6	1.59	m_e	mb	4.5
RUE	83.92	pP	03:42:38.872	-0.0			T__				m_e	
TANN	86.01	P	03:42:38.382		40.7	4.80	TAS	8.3	1.37	m_e	mb	4.7
TANN	86.01	pP	03:42:48.714	0.7			T__				m_e	
WET	86.78	P	03:42:42.358		40.7	4.80	TAS	22.5	1.91	m_e	mb	5.0
WLF	89.15	P	03:42:53.682		40.7	4.80	TAS	16.7	1.35	m_e	mb	5.1
WLF	89.15	pP	03:43:03.927				T__				m_e	

Event 20804008 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/04	03:36:28.26			32.5030	142.0790				36.3	2.7		24		84.01	89.42	m i ke	BGR
OrigID 20804014																	

Magnitude Err Nsta Author
mb 5.4 BGR

OrigID
20804014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	88.15		P	03:49:14.595		39.7		4.86		TAS		25.1	1.20	m_e	mb	5.4
AHRW	88.15		pP	03:49:25.126	-0.6					T__					m_e	
ASSE	85.51		P	03:49:01.225		39.7		4.86		TAS		30.7	1.31	m_e	mb	5.3
ASSE	85.51		pP	03:49:12.019	0.3					T__					m_e	
BFO	89.42		P	03:49:20.872		39.7		4.86		TAS		96.0	2.27	m_e	mb	5.6
BFO	89.42		pP	03:49:30.667						T__					m_e	
BRG	85.14		P	03:48:59.641		39.7		4.86		TAS		32.7	1.27	m_e	mb	5.4
BRG	85.14		pP	03:49:10.460	-0.1					T__					m_e	
BSEG	84.25		P	03:48:55.192		39.7		4.86		TAS		24.7	1.04	m_e	mb	5.4
BSEG	84.25		pP	03:49:05.889	0.1					T__					m_e	
BUG	87.36		P	03:49:10.572		39.7		4.86		TAS		26.1	1.04	m_e	mb	5.3
BUG	87.36		pP	03:49:20.837	-0.1					T__					m_e	
CLL	85.21		P	03:48:59.492		39.7		4.86		TAS		42.6	1.04	m_e	mb	5.6
CLL	85.21		pP	03:49:10.567	0.1					T__					m_e	
CLZ	85.85		P	03:49:03.279		39.7		4.86		TAS		44.9	1.16	m_e	mb	5.5
CLZ	85.85		pP	03:49:14.164	0.0					T__					m_e	
FLT1	85.14		P	03:48:59.148		39.7		4.86		TAS		37.8	1.10	m_e	mb	5.5
FLT1	85.14		pP	03:49:09.892	-0.2					T__					m_e	

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GEC2	86.76	P	03:49:07.428		39.7	4.86	TAS	17.3	1.48	m_e	mb	5.0
GEC2	86.76	pP	03:49:18.014	0.3			T__			m_e		
GOR1	84.60	P	03:48:56.958		39.7	4.86	TAS	71.2	1.47	m_e	mb	5.7
GOR1	84.60	pP	03:49:07.896	0.1			T__			m_e		
GRA1	87.17	P	03:49:10.450		39.7	4.86	TAS	71.6	1.64	m_e	mb	5.5
GRA1	87.17	pP	03:49:20.557	0.1			T__			m_e		
GTTG	86.24	pP	03:49:15.785	-0.2			T__			m_e		
IBBN	86.48	P	03:49:06.328		39.7	4.86	TAS	42.0	1.04	m_e	mb	5.5
IBBN	86.48	pP	03:49:16.891	-0.0			T__			m_e		
KAST	87.11	P	03:49:09.654		39.7	4.86	TAS	22.3	1.09	m_e	mb	5.2
KAST	87.11	pP	03:49:19.964	-0.1			T__			m_e		
MOX	86.28	P	03:49:05.149		39.7	4.86	TAS	37.0	1.38	m_e	mb	5.3
MOX	86.28	pP	03:49:16.033	0.2			T__			m_e		
NEUB	85.79	P	03:49:03.053		39.7	4.86	TAS	45.4	1.02	m_e	mb	5.5
NEUB	85.79	pP	03:49:13.611	0.2			T__			m_e		
PLN	86.18	P	03:49:04.569		39.7	4.86	TAS	9.9	1.31	m_e	mb	4.8
PLN	86.18	pP	03:49:15.671	-0.0			T__			m_e		
RUE	84.01	P	03:48:54.636		39.7	4.86	TAS	94.3	1.42	m_e	mb	5.8
RUE	84.01	pP	03:49:05.028	-0.1			T__			m_e		
STU	88.72	pP	03:49:27.725				T__			m_e		
TANN	86.11	P	03:49:04.539		39.7	4.86	TAS	19.7	1.36	m_e	mb	5.1
TANN	86.11	pP	03:49:14.994	0.1			T__			m_e		
TNS	87.88	pP	03:49:23.651	0.6			T__			m_e		
WET	86.89	P	03:49:09.253		39.7	4.86	TAS	58.4	2.05	m_e	mb	5.3
WET	86.89	pP	03:49:19.065	-0.3			T__			m_e		
WLF	89.21	P	03:49:19.833		39.7	4.86	TAS	43.4	1.48	m_e	mb	5.5
WLF	89.21	pP	03:49:30.807				T__			m_e		

Event 20804009 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/04	03:39:58.82			34.1970	142.5870				37.0	8.0		18		82.73	88.14	m i ke	BGR
20804015																	

Magnitude Err Nsta Author OrigID
mb 5.5 BGR 20804015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.83		pP	03:52:48.512						T__				m_e		
ASSE	84.21		pP	03:52:35.694	0.2					T__				m_e		
BFO	88.14		P	03:52:43.837		38.5		4.97		TAS		17.4	1.41	m_e	mb	5.2
BFO	88.14		pP	03:52:54.192						T__				m_e		
BRG	83.89		P	03:52:23.961	-1.6	38.5		4.97		TAS		43.3	1.53	m_e	mb	5.5
BRG	83.89		pP	03:52:33.732	-0.2					T__				m_e		
BSEG	82.92		P	03:52:19.024	0.0	38.5		4.97		TAS		20.2	1.04	m_e	mb	5.3
BSEG	82.92		pP	03:52:29.039	-0.4					T__				m_e		

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BUG	86.03	P	03:52:33.769		38.5	4.97	TAS	40.2	1.29	m_e	mb	5.4
BUG	86.03	pP	03:52:44.318				T__			m_e		
CLL	83.94	P	03:52:23.658	-1.6	38.5	4.97	TAS	48.6	1.18	m_e	mb	5.6
CLL	83.94	pP	03:52:33.971	0.1			T__			m_e		
CLZ	84.55	pP	03:52:37.289	0.0			T__			m_e		
FLT1	83.84	P	03:52:23.083	0.4	38.5	4.97	TAS	65.4	1.40	m_e	mb	5.7
FLT1	83.84	pP	03:52:33.254	0.2			T__			m_e		
GEC2	85.53	pP	03:52:41.343	-0.9			T__			m_e		
GRA1	85.91	pP	03:52:44.963				T__			m_e		
IBBN	85.15	P	03:52:29.559		38.5	4.97	TAS	80.6	1.30	m_e	mb	5.8
IBBN	85.15	pP	03:52:40.288	-0.4			T__			m_e		
KAST	85.80	P	03:52:33.168		38.5	4.97	TAS	19.0	1.25	m_e	mb	5.1
MOX	85.00	P	03:52:26.639		38.5	4.97	TAS	39.3	1.73	m_e	mb	5.4
NEUB	84.51	P	03:52:26.407	-0.1	38.5	4.97	TAS	64.4	1.27	m_e	mb	5.7
NEUB	84.51	pP	03:52:36.847	-0.7			T__			m_e		
PLN	84.91	P	03:52:26.094		38.5	4.97	TAS	36.1	2.09	m_e	mb	5.2
PLN	84.91	pP	03:52:39.186	-0.2			T__			m_e		
RUE	82.73	P	03:52:17.786	-0.1	38.5	4.97	TAS	53.5	1.22	m_e	mb	5.6
RUE	82.73	pP	03:52:28.216	-0.0			T__			m_e		
STU	87.45	pP	03:52:52.858				T__			m_e		
TANN	84.84	P	03:52:25.688		38.5	4.97	TAS	48.1	1.70	m_e	mb	5.5
WET	85.65	pP	03:52:42.653				T__			m_e		
WLF	87.89	pP	03:52:53.405				T__			m_e		

Event 20804010 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/04	19:08:08.98			36.2000	71.5400				93.4	3.4		22		43.13	48.22	m i ke	BGR
20804016																	

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 20804016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.50		P	19:16:33.405		84.8		7.88		TAS		13.9	0.68	m_e	mb 5.2
BFO	47.04		P	19:16:29.460		84.8		7.88		TAS		8.0	1.23	a_e	mb 4.7
BRG	43.13		P	19:15:59.210	-0.1	84.8		7.88		TAS		23.7	0.87	m_e	mb 4.9
BSEG	45.18		P	19:16:15.710	-0.1	84.8		7.88		TAS		32.4	0.79	a_e	mb 5.3
BSEG	45.18		pP	19:16:38.637						T__				m_e	
BUG	47.25		P	19:16:31.660		84.8		7.88		TAS		21.1	0.91	a_e	mb 5.3
CLL	43.69		P	19:16:03.210	0.1	84.8		7.88		TAS		13.7	0.80	a_e	mb 4.7
CLZ	45.29		P	19:16:16.460	-0.1	84.8		7.88		TAS		21.8	0.99	a_e	mb 5.0
FLT1	44.72		P	19:16:11.260	0.6	84.8		7.88		TAS		52.8	0.75	a_e	mb 5.5
FUR	45.12		P	19:16:15.160	0.1	84.8		7.88		TAS		20.1	1.07	a_e	mb 5.0
GEC2	43.44		P	19:16:01.510	0.1	84.8		7.88		TAS		4.0	0.88	a_e	mb 4.2
GEC2	43.44		pP	19:16:23.412						T__				m_e	

Magnitude Err Nsta Author OrigID
Ms 5.6 BGR 20805009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	159.94		PKPdf	04:58:36.709	-0.3	23.4		1.12		TAS				m_e	
AHRW	159.94		PKPab	04:59:15.168	-0.2	18.2		4.36		TAS				m_e	
ASSE	157.90		PKPdf	04:58:34.425	-0.0	23.4		1.12		TAS				m_e	
ASSE	157.90		PKPab	04:59:05.725	-0.2	18.2		4.36		TAS				m_e	
BFO	161.95		PKPdf	04:58:38.882	-0.1	23.4		1.12		TAS				m_e	
BFO	161.95		PKPab	04:59:23.698	-0.1	18.2		4.36		TAS				m_e	
BRG	158.36		PKPdf	04:58:34.741	-0.0	23.4		1.12		TAS				m_e	
BRG	158.36		PKPab	04:59:07.981	-0.3	18.2		4.36		TAS				m_e	
BSEG	156.21		PKPdf	04:58:32.553	-0.1	23.4		1.12		TAS				m_e	
BSEG	156.21		PKPab	04:58:59.036	0.3	18.2		4.36		TAS				m_e	
BUG	159.03		PKPdf	04:58:35.737	-0.3	23.4		1.12		TAS				m_e	
BUG	159.03		PKPab	04:59:10.934	-0.5	18.2		4.36		TAS				m_e	
CLL	158.19		PKPdf	04:58:34.466	-0.2	23.4		1.12		TAS				m_e	
CLL	158.19		PKPab	04:59:07.187	-0.2	18.2		4.36		TAS				m_e	
CLZ	158.22		PKPdf	04:58:35.017	0.2	23.4		1.12		TAS				m_e	
CLZ	158.22		PKPab	04:59:07.846	0.4	18.2		4.36		TAS				m_e	
FLT1	157.60		PKPdf	04:58:33.627	-0.5	23.4		1.12		TAS				m_e	
FLT1	157.60		PKPab	04:59:04.338	-0.3	18.2		4.36		TAS				m_e	
FUR	161.53		PKPab	04:59:22.309	0.4	18.2		4.36		TAS				m_e	
GEC2	160.26		PKPdf	04:58:36.826	0.1	23.4		1.12		TAS				m_e	
GEC2	160.26		PKPab	04:59:16.256	-0.6	18.2		4.36		TAS				m_e	
GOR1	156.96		PKPdf	04:58:33.517	0.1	23.4		1.12		TAS				m_e	
GOR1	156.96		PKPab	04:59:02.581	0.7	18.2		4.36		TAS				m_e	
GRA1	160.11		L	06:12:58.501						T__		933.5	21.40	a_e Ms	5.6
GRA1	160.11		PKPab	04:59:16.306	0.7	18.2		4.36		TAS				m_e	
IBBN	158.13		PKPdf	04:58:35.083	0.1	23.4		1.12		TAS				m_e	
IBBN	158.13		PKPab	04:59:07.461	-0.0	18.2		4.36		TAS				m_e	
KAST	159.14		PKPdf	04:58:36.049	0.1	23.4		1.12		TAS				m_e	
KAST	159.14		PKPab	04:59:11.478	-0.1	18.2		4.36		TAS				m_e	
MOX	159.12		L	06:13:21.035						T__		929.5	21.80	a_e Ms	5.6
MOX	159.12		PKPdf	04:58:35.663	-0.0	23.4		1.12		TAS				m_e	
MOX	159.12		PKPab	04:59:11.329	-0.0	18.2		4.36		TAS				m_e	
NEUB	158.58		PKPdf	04:58:35.063	-0.0	23.4		1.12		TAS				m_e	
NEUB	158.58		PKPab	04:59:08.570	-0.3	18.2		4.36		TAS				m_e	
PLN	159.16		PKPdf	04:58:35.691	-0.0	23.4		1.12		TAS				m_e	
PLN	159.16		PKPab	04:59:11.461	-0.0	18.2		4.36		TAS				m_e	
RUE	156.93		PKPdf	04:58:33.723	0.5	23.4		1.12		TAS				m_e	
RUE	156.93		PKPab	04:59:01.752	-0.1	18.2		4.36		TAS				m_e	
STU	161.38		PKPdf	04:58:38.462	-0.1	23.4		1.12		TAS				m_e	
STU	161.38		PKPab	04:59:21.275	0.1	18.2		4.36		TAS				m_e	
TANN	159.15		PKPdf	04:58:35.595	-0.1	23.4		1.12		TAS				m_e	
TANN	159.15		PKPab	04:59:11.531	0.0	18.2		4.36		TAS				m_e	
TNS	160.09		PKPdf	04:58:37.201	0.2	23.4		1.12		TAS				m_e	
TNS	160.09		PKPab	04:59:15.809	0.1	18.2		4.36		TAS				m_e	

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UBR	162.25	PKPdf	04:58:39.115		23.4	1.12	TAS										m_e
UBR	162.25	PKPab	04:59:24.968	-0.0	18.2	4.36	TAS										m_e
WET	160.22	PKPdf	04:58:36.972	-0.1	23.4	1.12	TAS										m_e
WET	160.22	PKPab	04:59:16.671	0.3	18.2	4.36	TAS										m_e
WLF	160.89	PKPdf	04:58:38.597	0.4	23.4	1.12	TAS										m_e
WLF	160.89	PKPab	04:59:19.854	0.1	18.2	4.36	TAS										m_e

Event 20805005 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/05	13:27:54.54			38.4470	77.6120				9.2			9		47.06	47.51	m i ke	BGR
OrigID 20805011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	20805011
Ms	3.6		BGR	20805011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	47.51		P	13:36:29.046		82.2		7.09		TAS		3.5	0.94	m_e mb	4.5
GRA1	47.51		pP	13:36:31.519						T__				m_e	
GRA1	47.51		L	13:57:16.121						T__		49.8	21.10	a_e Ms	3.5
MOX	47.06		L	13:58:25.497						T__		75.2	18.40	a_e Ms	3.7

Event 20806002 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/06	11:48:06.54			51.0920	159.3100				10.0					74.86	75.84	m i ke	BGR
OrigID 20806008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	20806008
Ms	4.5		BGR	20806008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	75.84		P	11:59:51.877		18.6		4.81		TAS		2.8	0.76	m_e mb	4.5
GRA1	75.84		L	13:16:17.075						T__		164.7	18.10	a_e Ms	4.4
MOX	74.86		L	13:17:00.600						T__		241.9	18.00	a_e Ms	4.5

Event 20806003 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
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OrigID
 2022/08/06 12:23:49.68 36.1510 141.3740 33.2 1.0 25 80.54 85.96 m i ke BGR
 20806009

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 20806009
 Ms 4.5 BGR 20806009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.64		pP	12:36:28.535	0.1					T__				m_e	
ASSE	82.02		pP	12:36:14.667	-0.4					T__				m_e	
BFO	85.96		P	12:36:25.436		38.4		5.14		TAS		12.0	0.86	m_e mb	5.0
BFO	85.96		pP	12:36:35.045	0.9					T__				m_e	
BRG	81.70		P	12:36:03.604		38.4		5.14		TAS		6.4	0.88	m_e mb	4.8
BRG	81.70		pP	12:36:13.143	-0.2					T__				m_e	
BSEG	80.73		P	12:35:58.619	0.1	38.4		5.14		TAS		9.6	0.92	m_e mb	4.8
BSEG	80.73		pP	12:36:08.430	0.1					T__				m_e	
CLL	81.75		P	12:36:03.588	-0.1	38.4		5.14		TAS		14.2	0.87	m_e mb	5.1
CLL	81.75		pP	12:36:13.289	-0.1					T__				m_e	
CLZ	82.36		P	12:36:07.309	0.7	38.4		5.14		TAS		12.6	1.07	m_e mb	5.0
CLZ	82.36		pP	12:36:16.951	0.2					T__				m_e	
FLT1	81.65		P	12:36:02.970	0.1	38.4		5.14		TAS		10.4	0.75	m_e mb	5.0
FLT1	81.65		pP	12:36:12.892	-0.2					T__				m_e	
FUR	84.90		pP	12:36:30.684	-0.5					T__				m_e	
GEC2	83.35		P	12:36:11.797		38.4		5.14		TAS		3.9	0.97	m_e mb	4.6
GEC2	83.35		pP	12:36:21.683	-0.1					T__				m_e	
GOR1	81.10		pP	12:36:10.771	0.5					T__				m_e	
GRA1	83.72		P	12:36:14.796		38.4		5.14		TAS		13.8	0.84	m_e mb	5.2
GRA1	83.72		pP	12:36:24.202	0.3					T__				m_e	
GRA1	83.72		L	13:16:17.076						T__		164.7	18.10	a_e Ms	4.5
GTTG	82.75		pP	12:36:18.886	0.1					T__				m_e	
IBBN	82.96		P	12:36:09.936	0.1	38.4		5.14		TAS		10.1	0.69	m_e mb	5.2
IBBN	82.96		pP	12:36:19.999	0.2					T__				m_e	
KAST	83.61		P	12:36:13.288	0.1	38.4		5.14		TAS		4.4	0.90	m_e mb	4.7
KAST	83.61		pP	12:36:23.057	-0.3					T__				m_e	
MOX	82.82		pP	12:36:18.962	0.0					T__				m_e	
MOX	82.82		L	13:17:00.620						T__		241.9	18.00	a_e Ms	4.6
NEUB	82.33		P	12:36:06.946		38.4		5.14		TAS		15.7	0.73	m_e mb	5.2
NEUB	82.33		pP	12:36:16.334	-0.2					T__				m_e	
PLN	82.72		pP	12:36:18.719	-0.2					T__				m_e	
RUE	80.54		pP	12:36:07.554	0.1					T__				m_e	
STU	85.26		P	12:36:22.105		38.4		5.14		TAS		43.3	0.92	m_e mb	5.7
STU	85.26		pP	12:36:31.608	-0.2					T__				m_e	
TANN	82.66		pP	12:36:18.120	-0.0					T__				m_e	
TNS	84.38		pP	12:36:27.141	-0.0					T__				m_e	
UBR	85.76		pP	12:36:33.775						T__				m_e	
WET	83.47		P	12:36:13.233		38.4		5.14		TAS		12.0	1.37	m_e mb	4.9
WET	83.47		pP	12:36:22.750	-0.1					T__				m_e	
WLF	85.70		pP	12:36:33.894	0.4					T__				m_e	

Event 20806005 Western Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/06	14:52:33.36			34.4200	136.4030				360.0			25		80.36	85.39	m i ke	BGR
OrigID 20806011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20806011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.23		P	15:04:23.441	-0.2	42.8		5.07		TAS		33.7	1.12	m_e mb	5.5
ASSE	81.55		P	15:04:09.877	-0.2	42.8		5.07		TAS		8.6	1.03	m_e mb	4.8
BFO	85.39		P	15:04:28.937	-0.6	42.8		5.07		TAS		21.7	0.97	m_e mb	5.3
BRG	81.04		P	15:04:07.328	-0.2	42.8		5.07		TAS		8.2	0.81	m_e mb	4.8
BSEG	80.36		P	15:04:04.151	0.2	42.8		5.07		TAS		29.2	1.13	m_e mb	5.1
BUG	83.46		P	15:04:19.590	-0.1	42.8		5.07		TAS		28.2	1.02	m_e mb	5.4
CLL	81.15		P	15:04:07.713	-0.3	42.8		5.07		TAS		21.1	0.80	m_e mb	5.2
CLZ	81.88		P	15:04:11.948	0.2	42.8		5.07		TAS		38.9	1.33	m_e mb	5.4
FLT1	81.16		P	15:04:07.535	-0.6	42.8		5.07		TAS		21.4	0.83	m_e mb	5.2
FUR	84.20		P	15:04:24.160	0.6	42.8		5.07		TAS		46.7	0.73	m_e mb	5.8
GEC2	82.60		P	15:04:15.364	-0.0	42.8		5.07		TAS		15.2	0.90	m_e mb	5.2
GOR1	80.65		P	15:04:05.897	0.4	42.8		5.07		TAS		29.6	1.16	m_e mb	5.2
GRA1	83.10		P	15:04:18.548	0.6	42.8		5.07		TAS		7.5	1.11	m_e mb	4.8
GTTG	82.27		P	15:04:13.940	0.2	42.8		5.07		TAS		37.2	1.31	m_e mb	5.3
IBBN	82.60		P	15:04:15.306	-0.1	42.8		5.07		TAS		26.9	0.96	m_e mb	5.5
KAST	83.17		P	15:04:18.376	0.1	42.8		5.07		TAS		15.9	0.97	m_e mb	5.2
MOX	82.23		P	15:04:13.400	-0.2	42.8		5.07		TAS		29.6	1.53	m_e mb	5.2
NEUB	81.76		P	15:04:11.178	0.0	42.8		5.07		TAS		23.0	0.85	m_e mb	5.3
PLN	82.11		P	15:04:12.630	-0.3	42.8		5.07		TAS		4.6	1.34	m_e mb	4.4
STU	84.68		P	15:04:26.064	0.1	42.8		5.07		TAS		79.6	1.06	m_e mb	5.9
TANN	82.03		P	15:04:12.541	0.0	42.8		5.07		TAS		6.1	1.03	m_e mb	4.7
TNS	83.90		P	15:04:22.226	0.2	42.8		5.07		TAS		13.9	0.81	m_e mb	5.2
UBR	85.09		P	15:04:27.406	-0.6	42.8		5.07		TAS		18.0	1.32	m_e mb	5.1
WET	82.76		P	15:04:16.713	0.5	42.8		5.07		TAS		13.2	1.00	m_e mb	5.1
WLF	85.28		P	15:04:29.389	0.4	42.8		5.07		TAS		26.4	1.06	m_e mb	5.4

Event 20806007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/06	22:54:07.12			-19.6840	-175.0930				200.0			27		145.40	151.66	m i ke	BGR
OrigID 20806013																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	149.07		PKPbc	23:13:31.004	-0.0	11.8		2.58		TAS				m_e		
ASSE	147.22		PKPbc	23:13:25.978	0.0	11.8		2.58		TAS				m_e		
BFO	151.20		PKPbc	23:13:35.891	-0.4	11.8		2.58		TAS				m_e		
BRG	147.98		PKPbc	23:13:28.051	0.1	11.8		2.58		TAS				m_e		
BSEG	145.47		PKPbc	23:13:21.022	-0.5	11.8		2.58		TAS				m_e		
BUG	148.16		PKPbc	23:13:28.229	-0.5	11.8		2.58		TAS				m_e		
CLL	147.72		PKPbc	23:13:27.322	0.1	11.8		2.58		TAS				m_e		
CLZ	147.53		PKPbc	23:13:26.967	0.2	11.8		2.58		TAS				m_e		
FLT1	146.96		PKPbc	23:13:25.148	-0.1	11.8		2.58		TAS				m_e		
FUR	151.03		PKPbc	23:13:35.573	-0.2	11.8		2.58		TAS				m_e		
GEC2	149.97		PKPbc	23:13:33.094	-0.1	11.8		2.58		TAS				m_e		
GOR1	146.30		PKPbc	23:13:23.695	0.1	11.8		2.58		TAS				m_e		
GRA1	149.55		PKPbc	23:13:32.287	0.3	11.8		2.58		TAS				m_e		
GTTG	147.87		PKPbc	23:13:27.992	0.3	11.8		2.58		TAS				m_e		
HLG	145.40		PKPbc	23:13:21.399	-0.1	11.8		2.58		TAS				m_e		
IBBN	147.28		PKPbc	23:13:26.582	0.2	11.8		2.58		TAS				m_e		
KAST	148.33		PKPbc	23:13:29.028	0.0	11.8		2.58		TAS				m_e		
MOX	148.56		PKPbc	23:13:29.443	0.0	11.8		2.58		TAS				m_e		
NEUB	148.00		PKPbc	23:13:28.140	0.2	11.8		2.58		TAS				m_e		
PLN	148.64		PKPbc	23:13:29.985	0.4	11.8		2.58		TAS				m_e		
RUE	146.47		PKPbc	23:13:23.508	-0.5	11.8		2.58		TAS				m_e		
STU	150.68		PKPbc	23:13:34.807	-0.1	11.8		2.58		TAS				m_e		
TANN	148.67		PKPbc	23:13:30.095	0.4	11.8		2.58		TAS				m_e		
TNS	149.31		PKPbc	23:13:31.753	0.3	11.8		2.58		TAS				m_e		
UBR	151.66		PKPbc	23:13:36.981	-0.4	11.8		2.58		TAS				m_e		
WET	149.83		PKPbc	23:13:32.772	0.0	11.8		2.58		TAS				m_e		
WLF	149.98		PKPbc	23:13:33.916	0.4	11.8		2.58		TAS				m_e		

Event 20807004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/07	13:40:44.09			43.9480	147.1500				33.0			27		74.19	81.13	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	20807010
MBB	6.3		BGR	20807010
Ms	5.4		BGR	20807010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.57		P	13:52:46.408	-0.0	30.7		5.47		TAS		111.0	1.38	m_e	MBB 6.1
ASSE	77.08		P	13:52:32.840	-0.0	30.7		5.47		TAS		90.0	1.09	m_e	MBB 6.5
BFO	81.13		P	13:52:54.629	-0.4	30.7		5.47		TAS		59.6	0.79	m_e	MBB 6.2

BRG	77.08	P	13:52:32.625	-0.2	30.7	5.47	TAS	26.6	0.86	m_e	MBB	6.3
BSEG	75.63	P	13:52:24.753	-0.1	30.7	5.47	TAS	147.9	0.78	m_e	MBB	6.6
BUG	78.72	P	13:52:41.411	-0.3	30.7	5.47	TAS	112.8	1.20	m_e	MBB	6.3
CLL	77.03	P	13:52:32.249	-0.3	30.7	5.47	TAS	70.6	0.69	m_e	MBB	6.5
CLZ	77.42	P	13:52:34.989	0.3	30.7	5.47	TAS	357.7	1.57	m_e	MBB	6.4
FLT1	76.73	P	13:52:30.556	-0.4	30.7	5.47	TAS	86.5	0.76	m_e	MBB	6.5
FUR	80.30	P	13:52:50.572	0.1	30.7	5.47	TAS	86.1	0.92	m_e	MBB	6.3
GEC2	78.88	P	13:52:42.781	0.1	30.7	5.47	TAS	25.6	0.83	m_e	MBB	6.1
GOR1	76.14	P	13:52:27.896	0.2	30.7	5.47	TAS	286.8	1.51	m_e	MBB	6.6
GRA1	79.00	P	13:52:43.909	0.5	30.7	5.47	TAS	29.6	1.02	m_e	mb	5.3
GRA1	79.00	L	14:33:37.489				T__	1845.2	18.40	a_e	Ms	5.5
GTTG	77.81	P	13:52:36.977	0.2	30.7	5.47	TAS	85.2	0.91	m_e	MBB	6.4
IBBN	77.81	P	13:52:36.816	0.0	30.7	5.47	TAS	95.8	0.82	m_e	MBB	6.6
KAST	78.58	P	13:52:41.034	-0.0	30.7	5.47	TAS	121.2	1.47	m_e	MBB	6.2
MOX	78.05	P	13:52:38.079	-0.1	30.7	5.47	TAS	93.9	1.32	m_e	MBB	6.3
MOX	78.05	L	14:28:56.144				T__	1691.0	20.70	a_e	Ms	5.3
NEUB	77.53	P	13:52:35.258	-0.1	30.7	5.47	TAS	108.0	0.95	m_e	MBB	6.4
PLN	78.01	P	13:52:37.998	0.0	30.7	5.47	TAS	14.2	1.04	m_e	MBB	5.9
RGN	74.19	P	13:52:17.243	0.2	30.7	5.47	TAS	275.6	0.84	m_e	MBB	6.6
RUE	75.79	P	13:52:25.720	-0.1	30.7	5.47	TAS	213.0	1.16	m_e	MBB	6.6
STU	80.46	P	13:52:51.190	-0.2	30.7	5.47	TAS	130.9	0.85	m_e	MBB	6.6
TANN	77.97	P	13:52:37.568	-0.2	30.7	5.47	TAS	21.9	0.90	m_e	MBB	6.2
TNS	79.43	P	13:52:45.521	-0.2	30.7	5.47	TAS	30.7	0.81	m_e	MBB	6.1
UBR	81.11	P	13:52:54.710	-0.2	30.7	5.47	TAS	31.5	0.75	m_e	MBB	6.2
WET	78.91	P	13:52:43.426	0.6	30.7	5.47	TAS	49.2	0.95	m_e	MBB	6.3
WLF	80.62	P	13:52:52.883	0.7	30.7	5.47	TAS	143.9	1.71	m_e	MBB	6.1

Event 20807005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/07	13:42:16.18			-17.2930	-177.3540				600.0			24		142.86	148.99	m i ke	BGR
	20807011																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.58		PKPbc	14:00:46.021	0.2	15.1		2.77		TAS					m_e
BFO	148.60		PKPbc	14:00:56.532	0.1	15.1		2.77		TAS					m_e
BRG	145.22		PKPbc	14:00:47.786	0.2	15.1		2.77		TAS					m_e
BSEG	142.86		PKPbc	14:00:40.451	-0.7	15.1		2.77		TAS					m_e
BUG	145.64		PKPbc	14:00:48.813	-0.2	15.1		2.77		TAS					m_e
CLL	144.99		PKPbc	14:00:46.998	0.1	15.1		2.77		TAS					m_e
CLZ	144.90		PKPbc	14:00:47.216	0.5	15.1		2.77		TAS					m_e
FLT1	144.30		PKPbc	14:00:44.598	-0.4	15.1		2.77		TAS					m_e
FUR	148.32		PKPbc	14:00:56.261	-0.3	15.1		2.77		TAS					m_e
GEC2	147.19		PKPbc	14:00:53.055	-0.1	15.1		2.77		TAS					m_e

GOR1	143.65	PKPbc	14:00:43.292	0.1	15.1	2.77	TAS	m_e
GTTG	145.24	PKPbc	14:00:48.031	0.3	15.1	2.77	TAS	m_e
IBBN	144.74	PKPbc	14:00:46.516	0.0	15.1	2.77	TAS	m_e
KAST	145.77	PKPbc	14:00:49.411	0.2	15.1	2.77	TAS	m_e
MOX	145.87	PKPbc	14:00:49.552	0.2	15.1	2.77	TAS	m_e
NEUB	145.32	PKPbc	14:00:48.052	0.2	15.1	2.77	TAS	m_e
PLN	145.93	PKPbc	14:00:49.769	0.2	15.1	2.77	TAS	m_e
RUE	143.73	PKPbc	14:00:43.123	-0.3	15.1	2.77	TAS	m_e
STU	148.06	PKPbc	14:00:55.394	-0.5	15.1	2.77	TAS	m_e
TANN	145.94	PKPbc	14:00:49.792	0.2	15.1	2.77	TAS	m_e
TNS	146.73	PKPbc	14:00:52.132	0.2	15.1	2.77	TAS	m_e
UBR	148.99	PKPbc	14:00:57.673		15.1	2.77	TAS	m_e
WET	147.08	PKPbc	14:00:52.594	-0.1	15.1	2.77	TAS	m_e
WLF	147.49	PKPbc	14:00:54.524	0.3	15.1	2.77	TAS	m_e

Event 20808001 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
2022/08/08	05:37:15.11			-8.5000	151.5000				33.8	1.8		22		125.00	129.78	m i ke	BGR
OrigID 20808007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	20808007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	128.75		PKPpdf	05:56:16.716		48.8		1.92		TAS					m_e
AHRW	128.75		pPKPpdf	05:56:27.077						T__					m_e
ASSE	126.00		PKPpdf	05:56:11.085		48.8		1.92		TAS					m_e
ASSE	126.00		pPKPpdf	05:56:21.063						T__					m_e
BFO	129.59		PKPpdf	05:56:17.840		48.8		1.92		TAS					m_e
BRG	125.15		PKPpdf	05:56:09.680		48.8		1.92		TAS					m_e
BRG	125.15		pPKPpdf	05:56:20.178						T__					m_e
BSEG	125.00		PKPpdf	05:56:09.340	-0.1	48.8		1.92		TAS					m_e
BUG	128.04		PKPpdf	05:56:15.134		48.8		1.92		TAS					m_e
CLL	125.38		PKPpdf	05:56:09.838		48.8		1.92		TAS					m_e
CLZ	126.33		PKPpdf	05:56:12.290		48.8		1.92		TAS					m_e
FLT1	125.61		PKPpdf	05:56:10.265		48.8		1.92		TAS					m_e
FUR	128.15		PKPpdf	05:56:15.504		48.8		1.92		TAS					m_e
GEC2	126.45		PKPpdf	05:56:12.250		48.8		1.92		TAS					m_e
GOR1	125.16		PKPpdf	05:56:09.652	-0.2	48.8		1.92		TAS					m_e
GRA1	127.26		L	06:53:07.208						T__		924.2	21.40	a_e Ms	5.4
IBBN	127.23		PKPpdf	05:56:13.474		48.8		1.92		TAS					m_e
IBBN	127.23		pPKPpdf	05:56:23.504						T__					m_e
KAST	127.67		PKPpdf	05:56:14.486		48.8		1.92		TAS					m_e
MOX	126.47		PKPpdf	05:56:11.783		48.8		1.92		TAS					m_e
MOX	126.47		pPKPpdf	05:56:22.556						T__					m_e

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MOX	126.47	L	06:51:49.419			T__	1095.2	21.70	a_e	Ms	5.5
NEUB	126.06	PKPpdf	05:56:11.421	48.8	1.92	TAS			m_e		
PLN	126.30	PKPpdf	05:56:11.850	48.8	1.92	TAS			m_e		
PLN	126.30	pPKPpdf	05:56:22.278			T__			m_e		
TANN	126.18	PKPpdf	05:56:11.567	48.8	1.92	TAS			m_e		
TANN	126.18	pPKPpdf	05:56:21.623			T__			m_e		
TNS	128.31	PKPpdf	05:56:15.821	48.8	1.92	TAS			m_e		
UBR	129.07	PKPpdf	05:56:16.930	48.8	1.92	TAS			m_e		
UBR	129.07	pPKPpdf	05:56:27.611			T__			m_e		
WET	126.72	PKPpdf	05:56:12.891	48.8	1.92	TAS			m_e		
WET	126.72	pPKPpdf	05:56:22.613			T__			m_e		
WLF	129.78	PKPpdf	05:56:19.219	48.8	1.92	TAS			m_e		
WLF	129.78	pPKPpdf	05:56:29.012			T__			m_e		

Event 20808002 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/08	13:42:51.99			-19.6260	171.3130				10.0					145.06	145.99	m i ke	BGR
OrigID 20808008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	20808008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	145.99		PKPbc	14:02:31.282		42.7		2.65		TAS				m_e		
GRA1	145.99		L	15:00:24.949						T__		43.5	20.30	a_e	Ms	4.2
MOX	145.06		L	15:32:13.258						T__		45.2	20.60	a_e	Ms	4.2

Event 20808003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/08	18:05:36.91			-20.4070	-174.7170				41.5	2.9		11		146.22	152.42	m i ke	BGR
OrigID 20808009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.4		BGR	20808009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.80		PKPbc	18:25:23.164		11.3		2.54		TAS				m_e	
AHRW	149.80		pPKPbc	18:25:35.430						T__				m_e	
ASSE	147.97		PKPbc	18:25:18.030	0.2	11.3		2.54		TAS				m_e	
ASSE	147.97		pPKPbc	18:25:30.286	-0.1					T__				m_e	
BFO	151.94		PKPbc	18:25:27.225		11.3		2.54		TAS				m_e	

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BRG	148.75	PKPbc	18:25:19.960	0.2	11.3	2.54	TAS	m_e
BSEG	146.22	PKPbc	18:25:12.915	-0.5	11.3	2.54	TAS	m_e
BSEG	146.22	pPKPbc	18:25:25.886	-0.1			T__	m_e
BUG	148.90	PKPbc	18:25:20.133	-0.1	11.3	2.54	TAS	m_e
CLL	148.49	PKPbc	18:25:19.225	0.1	11.3	2.54	TAS	m_e
CLL	148.49	pPKPbc	18:25:31.653	0.1			T__	m_e
CLZ	148.28	PKPbc	18:25:18.830	0.2	11.3	2.54	TAS	m_e
FLT1	147.71	PKPbc	18:25:17.079	-0.1	11.3	2.54	TAS	m_e
FLT1	147.71	pPKPbc	18:25:29.411	-0.3			T__	m_e
GEC2	150.75	PKPbc	18:25:24.670		11.3	2.54	TAS	m_e
GOR1	147.06	PKPbc	18:25:15.297	-0.2	11.3	2.54	TAS	m_e
GOR1	147.06	pPKPbc	18:25:28.289	0.3			T__	m_e
GRA1	150.31	PKPbc	18:25:24.377		11.3	2.54	TAS	m_e
GRA1	150.31	pPKPbc	18:25:35.984				T__	m_e
GRA1	150.31	L	19:36:34.063				T__	76.5 19.80 a_e Ms 4.5
IBBN	148.01	PKPbc	18:25:17.969	-0.1	11.3	2.54	TAS	m_e
IBBN	148.01	pPKPbc	18:25:30.741	0.1			T__	m_e
KAST	149.08	PKPbc	18:25:20.650	0.0	11.3	2.54	TAS	m_e
KAST	149.08	pPKPbc	18:25:33.203	0.1			T__	m_e
MOX	149.32	PKPbc	18:25:21.377	0.1	11.3	2.54	TAS	m_e
MOX	149.32	pPKPbc	18:25:33.860				T__	m_e
MOX	149.32	L	19:35:08.084				T__	47.2 19.60 a_e Ms 4.3
NEUB	148.77	PKPbc	18:25:19.965		11.3	2.54	TAS	m_e
PLN	149.41	PKPbc	18:25:21.548	0.3	11.3	2.54	TAS	m_e
PLN	149.41	pPKPbc	18:25:34.313				T__	m_e
TANN	149.43	PKPbc	18:25:21.875	0.5	11.3	2.54	TAS	m_e
TNS	150.05	PKPbc	18:25:23.290	0.0	11.3	2.54	TAS	m_e
UBR	152.42	PKPbc	18:25:28.496		11.3	2.54	TAS	m_e
WET	150.60	PKPbc	18:25:24.466	-0.4	11.3	2.54	TAS	m_e
WLF	150.71	PKPbc	18:25:25.324	-0.2	11.3	2.54	TAS	m_e

Event 20809004 Banda Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/09	12:59:41.70			-6.7500	130.0100				160.0			14		112.25	115.75	m i ke	NEIC
20809043																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	115.75		PKPdf	13:18:06.779	-0.2	71.7		1.98		TAS				m_e	
BSEG	112.64		PKPdf	13:18:00.343	0.0	71.7		1.98		TAS				m_e	
BUG	115.29		PKPdf	13:18:04.871	-0.1	71.7		1.98		TAS				m_e	
CLZ	113.34		PKPdf	13:18:01.660	0.2	71.7		1.98		TAS				m_e	
FLT1	112.68		PKPdf	13:17:59.814	0.2	71.7		1.98		TAS				m_e	
FUR	113.99		PKPdf	13:18:02.155		71.7		1.98		TAS				m_e	

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GEC2	112.25	PKPdf	13:17:59.166		71.7	1.98	TAS	m_e
GTTG	113.69	PKPdf	13:18:02.289	-0.5	71.7	1.98	TAS	m_e
KAST	114.71	PKPdf	13:18:04.048	0.1	71.7	1.98	TAS	m_e
STU	115.10	PKPdf	13:18:04.689		71.7	1.98	TAS	m_e
TNS	115.05	PKPdf	13:18:04.813		71.7	1.98	TAS	m_e
UBR	114.89	PKPdf	13:18:03.918		71.7	1.98	TAS	m_e
WET	112.68	PKPdf	13:17:59.980		71.7	1.98	TAS	m_e

Event 20810001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/10	06:59:24.59			-19.9400	170.5510				150.0			20		143.99	148.19	m i ke	BGR
OrigID 20810007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.71		PKPbc	07:18:47.525	-0.1	36.4		3.19		TAS					m_e
BFO	148.19		PKPbc	07:18:51.605		36.4		3.19		TAS					m_e
BRG	143.99		PKPbc	07:18:38.152	0.1	36.4		3.19		TAS					m_e
BUG	145.86		PKPbc	07:18:44.774	-0.1	36.4		3.19		TAS					m_e
CLZ	144.53		PKPbc	07:18:40.667	-0.2	36.4		3.19		TAS					m_e
FUR	147.19		PKPbc	07:18:49.447		36.4		3.19		TAS					m_e
GEC2	145.65		PKPbc	07:18:43.816	0.6	36.4		3.19		TAS					m_e
GRA1	145.99		PKPbc	07:18:45.816	0.1	36.4		3.19		TAS					m_e
GTTG	144.91		PKPbc	07:18:42.094	0.0	36.4		3.19		TAS					m_e
IBBN	144.96		PKPbc	07:18:41.806	-0.3	36.4		3.19		TAS					m_e
KAST	145.72		PKPbc	07:18:44.366	-0.1	36.4		3.19		TAS					m_e
MOX	145.07		PKPbc	07:18:41.961	-0.1	36.4		3.19		TAS					m_e
NEUB	144.57		PKPbc	07:18:40.316	-0.1	36.4		3.19		TAS					m_e
PLN	145.00		PKPbc	07:18:41.880	0.3	36.4		3.19		TAS					m_e
STU	147.51		PKPbc	07:18:49.902	-0.6	36.4		3.19		TAS					m_e
TANN	144.93		PKPbc	07:18:41.469	0.8	36.4		3.19		TAS					m_e
TNS	146.54		PKPbc	07:18:46.783	-0.0	36.4		3.19		TAS					m_e
UBR	148.05		PKPbc	07:18:50.970		36.4		3.19		TAS					m_e
WET	145.76		PKPbc	07:18:44.247	-0.4	36.4		3.19		TAS					m_e
WLF	147.76		PKPbc	07:18:51.302	-0.2	36.4		3.19		TAS					m_e

Event 20810002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/10	15:52:58.00			44.9600	142.1100				6.0					75.45	76.38	m i ke	NEIC
OrigID 20810041																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20810008
Ms	4.9		BGR	20810008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.38		P	16:04:48.385		33.5		4.80		TAS		26.4	1.80	m_e	mb 5.1
GRA1	76.38		pP	16:04:50.818						T__				m_e	
GRA1	76.38		L	16:38:31.377						T__		463.2	18.70	m_e	Ms 4.8
MOX	75.45		L	16:36:57.343						T__		562.8	18.00	a_e	Ms 4.9

Event 20810003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/10	17:35:17.81			-19.4300	-177.7260				500.0			21		144.92	151.02	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	148.63		PKPbc	17:54:08.048	0.5	16.5		2.58		TAS				m_e	
ASSE	146.63		PKPbc	17:54:02.028	-0.1	16.5		2.58		TAS				m_e	
BRG	147.21		PKPbc	17:54:03.821	0.2	16.5		2.58		TAS				m_e	
BSEG	144.92		PKPbc	17:53:57.612	-0.2	16.5		2.58		TAS				m_e	
BUG	147.72		PKPbc	17:54:04.705	-0.5	16.5		2.58		TAS				m_e	
CLL	147.00		PKPbc	17:54:03.104	0.1	16.5		2.58		TAS				m_e	
CLZ	146.95		PKPbc	17:54:03.237	0.3	16.5		2.58		TAS				m_e	
FLT1	146.34		PKPbc	17:54:01.145	-0.2	16.5		2.58		TAS				m_e	
GEC2	149.16		PKPbc	17:54:08.555	-0.2	16.5		2.58		TAS				m_e	
GOR1	145.69		PKPbc	17:53:59.275	-0.4	16.5		2.58		TAS				m_e	
GRA1	148.89		PKPbc	17:54:08.339	0.4	16.5		2.58		TAS				m_e	
GTTG	147.30		PKPbc	17:54:04.040	0.2	16.5		2.58		TAS				m_e	
KAST	147.84		PKPbc	17:54:05.267	-0.1	16.5		2.58		TAS				m_e	
MOX	147.90		PKPbc	17:54:05.452	0.1	16.5		2.58		TAS				m_e	
NEUB	147.34		PKPbc	17:54:04.013	0.1	16.5		2.58		TAS				m_e	
PLN	147.95		PKPbc	17:54:05.725	0.2	16.5		2.58		TAS				m_e	
TANN	147.96		PKPbc	17:54:05.747	0.2	16.5		2.58		TAS				m_e	
TNS	148.79		PKPbc	17:54:08.038	0.2	16.5		2.58		TAS				m_e	
UBR	151.02		PKPbc	17:54:12.666		16.5		2.58		TAS				m_e	
WET	149.07		PKPbc	17:54:08.282	-0.1	16.5		2.58		TAS				m_e	
WLF	149.58		PKPbc	17:54:10.258	0.1	16.5		2.58		TAS				m_e	

Event 20812001 Northern East Pacific Rise

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/12	08:16:54.83			14.0200	-104.9700				33.0			16		92.27	97.25	m i ke	BGR
OrigID 20812007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20812007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.66		P	08:30:04.079	0.1	299.1		4.55		TAS		15.3	0.94	m_e	mb 5.4
ASSE	93.94		P	08:30:09.663	-0.0	299.1		4.55		TAS		22.5	1.00	m_e	mb 5.5
BFO	94.38		P	08:30:11.287		299.1		4.55		TAS		5.9	0.97	m_e	mb 4.9
BRG	96.33		P	08:30:20.640	0.0	299.1		4.55		TAS		6.5	0.80	m_e	mb 5.2
BSEG	92.88		P	08:30:04.971	0.1	299.1		4.55		TAS		22.0	0.84	m_e	mb 5.6
CLL	95.60		P	08:30:17.065	-0.2	299.1		4.55		TAS		4.9	0.95	m_e	mb 5.0
CLZ	93.91		P	08:30:09.518	-0.0	299.1		4.55		TAS		24.8	0.93	m_e	mb 5.5
FLT1	94.14		P	08:30:10.246	-0.4	299.1		4.55		TAS		9.3	0.94	m_e	mb 5.1
GEC2	97.25		P	08:30:24.667	-0.4	299.1		4.55		TAS		4.4	0.74	m_e	mb 5.2
GTTG	93.83		P	08:30:09.641	0.5	299.1		4.55		TAS		20.1	0.98	m_e	mb 5.4
IBBN	92.27		P	08:30:01.947	-0.1	299.1		4.55		TAS		12.6	0.64	m_e	mb 5.4
KAST	93.13		P	08:30:05.810	-0.2	299.1		4.55		TAS		13.8	0.93	m_e	mb 5.4
TANN	95.76		P	08:30:18.068	-0.1	299.1		4.55		TAS		2.8	0.83	m_e	mb 4.8
TNS	93.59		P	08:30:08.012	0.2	299.1		4.55		TAS		18.9	0.83	m_e	mb 5.5
WET	96.63		P	08:30:22.268	-0.1	299.1		4.55		TAS		4.7	0.78	m_e	mb 5.2
WLF	92.51		P	08:30:03.317	0.3	299.1		4.55		TAS		16.2	0.75	m_e	mb 5.5

Event 20812002 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/12	21:32:07.14	1.44	1.49	34.6970	18.7950	46.7	37.8	96	10.0			34	342	14.51	20.13	m i ke	BGR
OrigID 20812008																	

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	17.99		Pn	21:36:14.019	-0.8					T__				m_e	
ASSE	18.37		Pn	21:36:19.389	-0.5					T__				m_e	
BFO	15.69		Pn	21:35:43.824	-0.3					T__				m_e	
BSEG	20.13		Pn	21:36:37.448	-5.9					T__				m_e	
BUG	18.69		Pn	21:36:23.359	-0.8					T__				m_e	
CLL	17.12		Pn	21:36:05.571	2.4					T__				m_e	
CLZ	18.17		Pn	21:36:17.240	-0.0					T__				m_e	
FLT1	18.43		Pn	21:36:19.692	-1.1					T__				m_e	
GEC2	14.63		Pn	21:35:30.658	0.7					T__				m_e	
GOR1	19.04		Pn	21:36:26.487	-2.4					T__				m_e	
GRA1	15.98		Pn	21:35:49.325	1.3					T__				m_e	

GRA2	15.91	Pn	21:35:47.212	0.1	T__	m_e
GRA3	16.02	Pn	21:35:49.700	1.1	T__	m_e
GRB1	15.59	Pn	21:35:43.214	0.3	T__	m_e
GRB2	15.48	Pn	21:35:41.494	0.2	T__	m_e
GRB3	15.51	Pn	21:35:41.805	0.0	T__	m_e
GRB4	15.69	Pn	21:35:45.782	1.6	T__	m_e
GRB5	15.33	Pn	21:35:38.810	-0.5	T__	m_e
GRC1	15.26	Pn	21:35:38.235	-0.2	T__	m_e
GRC2	15.18	Pn	21:35:37.149	-0.2	T__	m_e
GRC3	15.15	Pn	21:35:36.799	-0.1	T__	m_e
GRC4	15.35	Pn	21:35:39.490	-0.1	T__	m_e
GTTG	18.00	Pn	21:36:16.253	1.2	T__	m_e
IBBN	19.29	Pn	21:36:29.523	-2.6	T__	m_e
KAST	18.12	Pn	21:36:16.349	-0.3	T__	m_e
MOX	16.77	Pn	21:35:58.432	-0.1	T__	m_e
NEUB	17.25	Pn	21:36:07.559	2.6	T__	m_e
PLN	16.50	Pn	21:35:55.733	0.8	T__	m_e
RUE	18.12	Pn	21:36:16.823	0.4	T__	m_e
TANN	16.37	Pn	21:35:54.255	1.0	T__	m_e
TNS	17.26	Pn	21:36:05.678	0.6	T__	m_e
UBR	14.51	Pn	21:35:29.581	1.2	T__	m_e
WET	15.08	Pn	21:35:35.539	-0.4	T__	m_e
WLF	17.60	Pn	21:36:10.591	0.9	T__	m_e

Event 20813003 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
2022/08/13	18:56:55.11			-13.7400	153.5400				33.0			17		130.55	135.31	m i ke	BGR
20813009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	135.08		PKPdf	19:16:10.769		56.1		1.83		TAS					m_e
BRG	130.64		PKPdf	19:16:02.415	0.1	56.1		1.83		TAS					m_e
BSEG	130.55		PKPdf	19:16:02.478	0.9	56.1		1.83		TAS					m_e
BUG	133.59		PKPdf	19:16:08.110	0.1	56.1		1.83		TAS					m_e
CLL	130.87		PKPdf	19:16:02.708	0.2	56.1		1.83		TAS					m_e
CLZ	131.86		PKPdf	19:16:04.852	-0.4	56.1		1.83		TAS					m_e
FLT1	131.14		PKPdf	19:16:03.321	-0.6	56.1		1.83		TAS					m_e
GEC2	131.89		PKPdf	19:16:05.081		56.1		1.83		TAS					m_e
GTTG	132.24		PKPdf	19:16:05.371	0.1	56.1		1.83		TAS					m_e
KAST	133.21		PKPdf	19:16:07.510	0.1	56.1		1.83		TAS					m_e
MOX	131.97		PKPdf	19:16:04.801		56.1		1.83		TAS					m_e
STU	134.36		PKPdf	19:16:09.659		56.1		1.83		TAS					m_e
TANN	131.67		PKPdf	19:16:04.521		56.1		1.83		TAS					m_e

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TNS	133.82	PKPdf	19:16:08.690	56.1	1.83	TAS	m_e
UBR	134.53	PKPdf	19:16:09.827	56.1	1.83	TAS	m_e
WET	132.17	PKPdf	19:16:05.219	56.1	1.83	TAS	m_e
WLF	135.31	PKPdf	19:16:11.164	0.9 56.1	1.83	TAS	m_e

Event 20813004 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/13	23:26:56.87			26.5000	126.5000				33.0			22		82.73	87.46	m i ke	BGR
OrigID 20813010																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 20813010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	83.69		P	23:39:23.548	0.1	54.6		5.01		TAS		4.2	0.85	m_e mb	4.7
BFO	87.17		P	23:39:40.889	0.0	54.6		5.01		TAS		3.0	0.80	m_e mb	4.5
BRG	82.73		P	23:39:18.816	0.2	54.6		5.01		TAS		3.6	0.82	m_e mb	4.6
BSEG	82.80		P	23:39:18.706	-0.3	54.6		5.01		TAS		5.5	0.71	m_e mb	4.9
BUG	85.79		P	23:39:34.118	0.1	54.6		5.01		TAS		4.0	0.75	m_e mb	4.6
CLL	82.98		P	23:39:19.742	-0.1	54.6		5.01		TAS		7.7	0.67	m_e mb	5.1
CLZ	84.01		P	23:39:25.234	0.2	54.6		5.01		TAS		20.3	0.97	m_e mb	5.3
FLT1	83.29		P	23:39:21.199	-0.2	54.6		5.01		TAS		3.5	0.75	m_e mb	4.7
FUR	85.70		P	23:39:33.362	-0.1	54.6		5.01		TAS		14.2	0.86	m_e mb	5.1
GEC2	83.99		P	23:39:24.505	-0.3	54.6		5.01		TAS		3.6	0.68	m_e mb	4.7
GRA1	84.83		P	23:39:29.107	-0.0	54.6		5.01		TAS		14.6	0.98	m_e mb	5.2
GTTG	84.39		P	23:39:27.111	0.2	54.6		5.01		TAS		13.0	0.76	m_e mb	5.2
IBBN	85.01		P	23:39:30.158	0.1	54.6		5.01		TAS		13.3	0.88	m_e mb	5.2
KAST	85.37		P	23:39:32.096	0.2	54.6		5.01		TAS		5.1	0.75	m_e mb	4.8
MOX	84.07		P	23:39:25.271	-0.1	54.6		5.01		TAS		34.4	1.72	m_e mb	5.3
NEUB	83.68		P	23:39:23.281	-0.1	54.6		5.01		TAS		11.8	0.81	m_e mb	5.2
STU	86.45		P	23:39:36.904	-0.3	54.6		5.01		TAS		18.1	0.72	m_e mb	5.3
TANN	83.76		P	23:39:23.952	0.2	54.6		5.01		TAS		2.1	0.93	m_e mb	4.4
TNS	85.95		P	23:39:34.623	-0.1	54.6		5.01		TAS		3.0	0.68	m_e mb	4.5
UBR	86.62		P	23:39:38.303	0.3	54.6		5.01		TAS		7.9	0.71	m_e mb	5.0
WET	84.26		P	23:39:26.383	0.1	54.6		5.01		TAS		2.3	0.90	m_e mb	4.4
WLF	87.46		P	23:39:42.175	-0.2	54.6		5.01		TAS		7.1	0.73	m_e mb	5.1

Event 20814003 Qinghai, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/14	08:20:11.17			33.2540	91.9830				33.0			22		57.81	62.93	m i ke	BGR
OrigID 20814009																	

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 20814009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	62.07		P	08:30:28.176		73.0		6.89		TAS		21.5	1.05	m_e	mb 5.3
BFO	62.04		P	08:30:28.007		73.0		6.89		TAS		16.5	0.95	m_e	mb 5.2
BRG	57.81		P	08:29:58.833		73.0		6.89		TAS		17.9	0.97	m_e	mb 5.1
BSEG	59.16		P	08:30:07.692	0.3	73.0		6.89		TAS		35.3	1.01	m_e	mb 5.3
BUG	61.66		P	08:30:24.828		73.0		6.89		TAS		40.2	1.21	m_e	mb 5.5
CLL	58.27		P	08:30:01.732		73.0		6.89		TAS		16.5	1.12	m_e	mb 5.0
CLZ	59.70		P	08:30:11.517		73.0		6.89		TAS		31.3	0.99	m_e	mb 5.3
FLT1	59.06		P	08:30:06.950	-0.0	73.0		6.89		TAS		22.5	1.12	m_e	mb 5.1
FUR	60.23		P	08:30:15.439		73.0		6.89		TAS		55.1	0.89	m_e	mb 5.6
GEC2	58.49		P	08:30:03.686		73.0		6.89		TAS		18.5	0.96	m_e	mb 5.1
GRA1	59.81		P	08:30:12.594		73.0		6.89		TAS		27.1	0.97	m_e	mb 5.2
GTTG	60.03		P	08:30:13.671		73.0		6.89		TAS		18.4	0.94	m_e	mb 5.1
IBBN	61.10		P	08:30:21.286		73.0		6.89		TAS		40.7	1.23	m_e	mb 5.1
KAST	61.06		P	08:30:20.929		73.0		6.89		TAS		6.0	0.96	m_e	mb 4.4
MOX	59.29		P	08:30:09.029		73.0		6.89		TAS		17.4	1.11	m_e	mb 5.0
NEUB	59.04		P	08:30:07.092		73.0		6.89		TAS		19.2	0.88	m_e	mb 5.1
STU	61.35		P	08:30:23.258		73.0		6.89		TAS		27.4	0.97	m_e	mb 5.0
TANN	58.84		P	08:30:06.066		73.0		6.89		TAS		3513.9	3.59	m_e	mb 6.8
TNS	61.35		P	08:30:23.425		73.0		6.89		TAS		12.7	0.97	m_e	mb 4.7
UBR	61.13		P	08:30:21.571		73.0		6.89		TAS		30.9	1.08	m_e	mb 5.1
WET	58.93		P	08:30:06.678		73.0		6.89		TAS		12.8	0.93	m_e	mb 4.9
WLF	62.93		P	08:30:34.200		73.0		6.89		TAS		53.7	1.05	m_e	mb 5.6

Event 20814004 Kermadec Islands, New Zealand

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/08/14 13:44:19.69 -30.9000 -177.3880 33.0 21 156.24 162.21 m i ke BGR
 20814010

Magnitude Err Nsta Author OrigID
 Ms 6.6 BGR 20814010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	160.01		PKPdf	14:04:15.552	0.3	22.2		1.18		TAS				m_e	
ASSE	157.90		PKPdf	14:04:15.336	0.3	22.2		1.18		TAS				m_e	
BFO	161.97		PKPdf	14:04:19.384		22.2		1.18		TAS				m_e	
BRG	158.27		PKPdf	14:04:14.616	-1.6	22.2		1.18		TAS				m_e	
BSEG	156.24		PKPdf	14:04:12.713	0.2	22.2		1.18		TAS				m_e	
BUG	159.11		PKPdf	14:04:16.049	-0.5	22.2		1.18		TAS				m_e	
CLL	158.14		PKPdf	14:04:14.171	0.3	22.2		1.18		TAS				m_e	
CLZ	158.23		PKPdf	14:04:15.158	0.5	22.2		1.18		TAS				m_e	

./bul2208.txt Tue Dec 05 10:50:39 2023 29

Event 20815002 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/15	08:19:40.59			20.3740	121.8020				33.0					87.15	87.15	m i ke	BGR
OrigID 20815008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20815008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	87.15		P	08:32:22.941		64.6		4.23		TAS		4.9	0.78	m_e mb	4.7

Event 20815003 Palawan, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/15	08:23:48.18			11.4410	120.9260				33.0					93.69	93.69	m i ke	BGR
OrigID 20815009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20815009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	93.69		P	08:37:01.254		68.3		3.96		TAS		6.3	1.03	m_e mb	4.9

Event 20815004 Gansu, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/15	08:31:03.99			40.6500	96.0300				33.0				20	55.31	60.32	m i ke	BGR
OrigID 20815010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20815010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	59.38		P	08:41:03.721	-0.1	64.7		7.00		TAS		13.0	0.89	m_e mb	5.0
ASSE	56.66		P	08:40:44.723	0.0	64.7		7.00		TAS		7.3	0.86	m_e mb	4.7
BRG	55.31		P	08:40:35.388	0.1	64.7		7.00		TAS		13.3	0.96	m_e mb	4.9
BSEG	56.10		P	08:40:41.120	0.6	64.7		7.00		TAS		24.2	0.94	m_e mb	5.2
BUG	58.85		P	08:41:00.231	0.1	64.7		7.00		TAS		12.7	0.82	m_e mb	5.0
CLL	55.68		P	08:40:37.756	-0.2	64.7		7.00		TAS		15.0	0.93	m_e mb	5.0
CLZ	56.94		P	08:40:46.864	0.4	64.7		7.00		TAS		25.9	0.87	m_e mb	5.3
FLT1	56.26		P	08:40:41.631	-0.3	64.7		7.00		TAS		15.3	0.88	m_e mb	5.0
FUR	58.04		P	08:40:54.684		64.7		7.00		TAS		30.6	0.91	m_e mb	5.3

GEC2	56.30	P	08:40:42.116	0.4	64.7	7.00	TAS	11.5	1.00	m_e	mb	4.9
GRA1	57.39	P	08:40:50.028	-0.1	64.7	7.00	TAS	22.2	0.87	m_e	mb	5.2
GTTG	57.30	P	08:40:49.231	-0.0	64.7	7.00	TAS	26.6	0.92	m_e	mb	5.3
IBBN	58.19	P	08:40:55.240	-0.1	64.7	7.00	TAS	9.2	0.86	m_e	mb	4.8
KAST	58.32	P	08:40:56.098	-0.3	64.7	7.00	TAS	5.4	0.96	m_e	mb	4.5
MOX	56.75	P	08:40:45.334	-0.1	64.7	7.00	TAS	12.2	1.10	m_e	mb	4.8
NEUB	56.43	P	08:40:42.796	-0.4	64.7	7.00	TAS	17.5	0.87	m_e	mb	5.1
TANN	56.36	P	08:40:42.402	-0.3	64.7	7.00	TAS	9.4	0.97	m_e	mb	4.8
UBR	58.96	P	08:41:00.685		64.7	7.00	TAS	25.4	0.90	m_e	mb	5.2
WET	56.66	P	08:40:44.515	0.1	64.7	7.00	TAS	12.8	1.03	m_e	mb	4.9
WLF	60.32	P	08:41:10.659	0.4	64.7	7.00	TAS	20.4	0.96	m_e	mb	5.1

Event 20815005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/15	15:42:20.89			-19.6990	-176.7310				593.4	2.0		21		145.31	151.45	m i ke	BGR
	20815011																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.03		PKPbc	16:00:56.791	-0.3	14.8		2.79		TAS					m_e
BFO	151.06		PKPbc	16:01:08.190	-0.2	14.8		2.79		TAS					m_e
BRG	147.69		PKPbc	16:00:59.304	0.3	14.8		2.79		TAS					m_e
BSEG	145.31		PKPbc	16:00:52.010	-0.4	14.8		2.79		TAS					m_e
CLL	147.45		PKPbc	16:00:58.543	0.3	14.8		2.79		TAS					m_e
CLZ	147.35		PKPbc	16:00:58.206	0.2	14.8		2.79		TAS					m_e
FLT1	146.76		PKPbc	16:00:56.133	-0.2	14.8		2.79		TAS					m_e
FUR	150.79		PKPbc	16:01:07.426	-0.1	14.8		2.79		TAS					m_e
GEC2	149.65		PKPbc	16:01:04.442	-0.1	14.8		2.79		TAS					m_e
GRA1	149.32		PKPbc	16:01:03.490	0.0	14.8		2.79		TAS					m_e
GTTG	147.70		PKPbc	16:00:59.184	0.2	14.8		2.79		TAS					m_e
IBBN	147.18		PKPbc	16:00:57.656	-0.1	14.8		2.79		TAS					m_e
IBBN	147.18		pPKPbc	16:03:13.140						T__					m_e
KAST	148.21		PKPbc	16:01:00.660	0.1	14.8		2.79		TAS					m_e
MOX	148.33		PKPbc	16:01:00.796	0.1	14.8		2.79		TAS					m_e
NEUB	147.78		PKPbc	16:00:59.366	0.2	14.8		2.79		TAS					m_e
RUE	146.19		PKPbc	16:00:54.610	-0.1	14.8		2.79		TAS					m_e
TANN	148.41		PKPbc	16:01:01.112	0.2	14.8		2.79		TAS					m_e
TNS	149.17		PKPbc	16:01:03.333	0.1	14.8		2.79		TAS					m_e
UBR	151.45		PKPbc	16:01:09.150	-0.2	14.8		2.79		TAS					m_e
WET	149.54		PKPbc	16:01:03.853	-0.3	14.8		2.79		TAS					m_e
WET	149.54		pPKPbc	16:03:18.575						T__					m_e
WLF	149.92		PKPbc	16:01:05.882	0.3	14.8		2.79		TAS					m_e

Event 20815006 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/15	16:49:06.40			-7.9240	-12.0000				10.0			18		58.75	64.47	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20815012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	62.92		P	16:59:30.116	0.2	206.5		6.79		TAS		7.1	1.18	m_e	mb	4.7
BFO	58.84		P	16:59:02.435	0.1	206.5		6.79		TAS		8.6	0.89	m_e	mb	4.8
BRG	62.75		P	16:59:29.244	0.1	206.5		6.79		TAS		3.2	0.83	m_e	mb	4.5
BSEG	64.47		P	16:59:40.842	-0.3	206.5		6.79		TAS		11.6	0.80	m_e	mb	5.2
CLZ	62.59		P	16:59:28.632	0.7	206.5		6.79		TAS		5.6	1.06	m_e	mb	4.6
FLT1	63.26		P	16:59:32.737	-0.6	206.5		6.79		TAS		2.9	0.81	m_e	mb	4.5
FUR	59.54		P	16:59:07.813	-0.2	206.5		6.79		TAS		13.9	0.84	m_e	mb	5.0
GEC2	60.90		P	16:59:16.766	0.0	206.5		6.79		TAS		6.6	0.87	m_e	mb	4.5
GRA1	60.88		P	16:59:17.432	-0.1	206.5		6.79		TAS		4.7	0.80	m_e	mb	4.4
GTTG	62.21		P	16:59:26.559	-0.0	206.5		6.79		TAS		5.8	0.87	m_e	mb	4.8
KAST	61.50		P	16:59:20.907	0.0	206.5		6.79		TAS		3.7	0.80	m_e	mb	4.3
MOX	61.85		P	16:59:23.496	0.2	206.5		6.79		TAS		6.3	0.81	m_e	mb	4.9
NEUB	62.39		P	16:59:27.107	-0.2	206.5		6.79		TAS		10.7	0.86	m_e	mb	5.1
STU	59.48		P	16:59:07.318	-0.5	206.5		6.79		TAS		23.5	0.77	m_e	mb	5.3
TANN	61.89		P	16:59:23.951	0.2	206.5		6.79		TAS		8.5	0.87	m_e	mb	5.0
TNS	60.61		P	16:59:15.118	0.6	206.5		6.79		TAS		6.8	0.88	m_e	mb	4.5
UBR	58.75		P	16:59:02.132		206.5		6.79		TAS		15.3	0.86	m_e	mb	5.0
WET	60.90		P	16:59:16.836	-0.1	206.5		6.79		TAS		6.2	0.85	m_e	mb	4.5

Event 20815008 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/15	22:17:37.96			-16.8600	-172.8400				33.0			17		144.91	149.07	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.50		PKPbc	22:37:21.163		5.6		3.01		TAS				m_e	
BRG	145.54		PKPbc	22:37:12.704	0.2	5.6		3.01		TAS				m_e	
BUG	145.41		PKPbc	22:37:12.071	-0.1	5.6		3.01		TAS				m_e	
CLL	145.23		PKPbc	22:37:11.534	-0.1	5.6		3.01		TAS				m_e	
CLZ	144.91		PKPbc	22:37:10.590	-0.1	5.6		3.01		TAS				m_e	
FUR	148.50		PKPbc	22:37:21.156		5.6		3.01		TAS				m_e	

GEC2	147.56	PKPbc	22:37:19.077	5.6	3.01	TAS	m_e	
GRA1	146.99	PKPbc	22:37:16.818	5.6	3.01	TAS	m_e	
GTTG	145.23	PKPbc	22:37:11.434	-0.1	5.6	3.01	TAS	m_e
KAST	145.63	PKPbc	22:37:12.993	0.1	5.6	3.01	TAS	m_e
MOX	146.01	PKPbc	22:37:14.094	0.2	5.6	3.01	TAS	m_e
NEUB	145.46	PKPbc	22:37:12.298	0.2	5.6	3.01	TAS	m_e
TANN	146.16	PKPbc	22:37:14.732	-0.3	5.6	3.01	TAS	m_e
TNS	146.61	PKPbc	22:37:15.948	0.4	5.6	3.01	TAS	m_e
UBR	149.07	PKPbc	22:37:22.843	5.6	3.01	TAS	m_e	
WET	147.37	PKPbc	22:37:18.025	5.6	3.01	TAS	m_e	
WLF	147.17	PKPbc	22:37:17.921	5.6	3.01	TAS	m_e	

Event 20816001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/16	08:34:09.07			-22.3700	173.3500				33.0			19		145.90	151.41	m i ke	BGR
OrigID 20816007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.37		PKPbc	08:53:48.837	-0.2	31.9		2.66		TAS					m_e
BFO	151.41		PKPbc	08:53:59.833		31.9		2.66		TAS					m_e
BRG	147.28		PKPbc	08:53:48.949		31.9		2.66		TAS					m_e
BSEG	145.90		PKPbc	08:53:44.819	-0.4	31.9		2.66		TAS					m_e
CLL	147.27		PKPbc	08:53:48.622	-0.1	31.9		2.66		TAS					m_e
CLZ	147.71		PKPbc	08:53:50.078		31.9		2.66		TAS					m_e
FLT1	147.01		PKPbc	08:53:47.835	0.7	31.9		2.66		TAS					m_e
GEC2	148.98		PKPbc	08:53:53.473		31.9		2.66		TAS					m_e
GRA1	149.25		PKPbc	08:53:53.801		31.9		2.66		TAS					m_e
GTTG	148.09		PKPbc	08:53:51.040		31.9		2.66		TAS					m_e
IBBN	148.05		PKPbc	08:53:50.873	-0.2	31.9		2.66		TAS					m_e
KAST	148.86		PKPbc	08:53:53.254		31.9		2.66		TAS					m_e
MOX	148.31		PKPbc	08:53:51.757		31.9		2.66		TAS					m_e
NEUB	147.80		PKPbc	08:53:49.989		31.9		2.66		TAS					m_e
STU	150.74		PKPbc	08:53:58.023		31.9		2.66		TAS					m_e
TANN	148.20		PKPbc	08:53:51.638		31.9		2.66		TAS					m_e
TNS	149.71		PKPbc	08:53:55.426		31.9		2.66		TAS					m_e
UBR	151.34		PKPbc	08:53:59.374		31.9		2.66		TAS					m_e
WET	149.07		PKPbc	08:53:53.581		31.9		2.66		TAS					m_e

Event 20816003 Sakhalin Island, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/08/16 10:40:23.40 47.0410 143.9780 33.0 23 71.88 77.36 m i ke BGR
 20816009

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 20816009
 Ms 4.8 BGR 20816009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	75.82		P	10:52:04.379	-0.1	31.2		5.77		TAS		20.0	0.96	m_e	mb 5.2
ASSE	73.32		P	10:51:50.237	0.1	31.2		5.77		TAS		14.6	0.97	m_e	mb 5.1
BFO	77.36		P	10:52:12.989	-0.5	31.2		5.77		TAS		13.9	0.82	m_e	mb 5.1
BRG	73.30		P	10:51:49.728	-0.3	31.2		5.77		TAS		11.1	0.85	m_e	mb 5.0
BSEG	71.88		P	10:51:42.565	0.8	31.2		5.77		TAS		36.2	0.95	m_e	mb 5.5
BUG	74.97		P	10:51:59.367	-0.2	31.2		5.77		TAS		13.7	0.74	m_e	mb 5.1
CLL	73.25		P	10:51:49.344	-0.5	31.2		5.77		TAS		63.8	0.54	m_e	mb 6.0
CLZ	73.66		P	10:51:52.014	-0.1	31.2		5.77		TAS		23.2	0.88	m_e	mb 5.2
FLT1	72.96		P	10:51:47.509	-0.6	31.2		5.77		TAS		72.4	1.22	m_e	mb 5.7
FUR	76.51		P	10:52:08.801	0.2	31.2		5.77		TAS		31.2	0.74	m_e	mb 5.5
GEC2	75.09		P	10:52:00.588	0.2	31.2		5.77		TAS		13.2	0.62	m_e	mb 5.1
GRA1	75.22		P	10:52:01.943	0.8	31.2		5.77		TAS		32.0	0.74	m_e	mb 5.4
GRA1	75.22		L	11:26:18.982						T__		455.8	21.50	a_e	Ms 4.7
GTTG	74.04		P	10:51:54.449	0.1	31.2		5.77		TAS		24.9	0.99	m_e	mb 5.2
IBBN	74.07		P	10:51:54.134	-0.2	31.2		5.77		TAS		22.2	0.77	m_e	mb 5.3
KAST	74.83		P	10:51:58.738	-0.1	31.2		5.77		TAS		9.4	0.75	m_e	mb 4.9
MOX	74.28		P	10:51:55.383	-0.3	31.2		5.77		TAS		9.5	0.67	m_e	mb 5.0
MOX	74.28		L	11:30:39.277						T__		587.8	18.00	a_e	Ms 4.9
NEUB	73.76		P	10:51:52.830	0.1	31.2		5.77		TAS		68.4	1.22	m_e	mb 5.5
STU	76.69		P	10:52:09.838	0.2	31.2		5.77		TAS		37.1	0.76	m_e	mb 5.6
TANN	74.19		P	10:51:55.313	0.1	31.2		5.77		TAS		5.2	0.73	m_e	mb 4.7
TNS	75.67		P	10:52:03.828	0.1	31.2		5.77		TAS		14.2	1.00	m_e	mb 5.0
UBR	77.33		P	10:52:12.950	-0.4	31.2		5.77		TAS		8.1	0.66	m_e	mb 5.0
WET	75.12		P	10:52:00.875	0.3	31.2		5.77		TAS		19.4	0.91	m_e	mb 5.1
WLF	76.87		P	10:52:11.163	0.6	31.2		5.77		TAS		23.0	1.07	m_e	mb 5.2

Event 20816004 Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/08/16 10:59:51.19 45.5920 146.7200 33.0 77.41 77.41 m i ke BGR
 20816010

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 20816010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.41		P	11:11:42.134		26.5		4.67		TAS		19.7	0.79	m_e	mb 5.3

Event 20817001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/17	02:00:18.47			56.0200	-158.4250				37.9	3.3		21		69.89	76.09	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20817007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	71.71		P	02:11:36.826	-0.0	354.0		5.85		TAS		6.5	0.87	m_e mb	4.8
BFO	75.30		P	02:11:57.751	-0.1	354.0		5.85		TAS		5.2	0.81	m_e mb	4.6
BRG	73.16		P	02:11:45.656	0.4	354.0		5.85		TAS		7.5	0.81	m_e mb	4.9
BSEG	69.89		P	02:11:26.193	-0.0	354.0		5.85		TAS		10.9	0.83	m_e mb	5.0
BSEG	69.89		pP	02:11:36.072	0.1					T__				m_e	
BUG	72.12		P	02:11:39.273	0.1	354.0		5.85		TAS		17.9	0.74	m_e mb	5.3
BUG	72.12		pP	02:11:50.400	0.1					T__				m_e	
CLL	72.67		P	02:11:42.173	-0.3	354.0		5.85		TAS		7.0	0.80	m_e mb	4.8
CLZ	71.98		P	02:11:38.302	-0.1	354.0		5.85		TAS		10.3	0.83	m_e mb	5.0
FLT1	71.55		P	02:11:35.791	-0.1	354.0		5.85		TAS		7.2	0.80	m_e mb	4.9
GEC2	75.17		P	02:11:57.252	0.2	354.0		5.85		TAS		5.1	0.72	m_e mb	4.7
GRA1	74.18		P	02:11:50.854	-0.4	354.0		5.85		TAS		8.6	0.71	m_e mb	4.9
GTTG	72.24		P	02:11:39.924	-0.0	354.0		5.85		TAS		14.2	0.83	m_e mb	5.1
IBBN	71.31		P	02:11:34.571	0.1	354.0		5.85		TAS		13.6	0.85	m_e mb	5.1
IBBN	71.31		pP	02:11:45.001	0.1					T__				m_e	
KAST	72.46		P	02:11:41.333	0.1	354.0		5.85		TAS		7.4	0.85	m_e mb	4.8
MOX	73.25		P	02:11:45.830	-0.1	354.0		5.85		TAS		8.1	0.74	m_e mb	4.9
NEUB	72.72		P	02:11:42.553	-0.2	354.0		5.85		TAS		14.1	0.74	m_e mb	5.2
TANN	73.53		P	02:11:47.867	0.3	354.0		5.85		TAS		2.0	0.78	m_e mb	4.2
TNS	73.43		P	02:11:46.771	-0.1	354.0		5.85		TAS		13.7	0.71	m_e mb	5.1
TNS	73.43		pP	02:11:57.979	0.1					T__				m_e	
UBR	76.09		P	02:12:02.294	-0.2	354.0		5.85		TAS		7.3	0.84	m_e mb	4.8
UBR	76.09		pP	02:12:13.469	0.1					T__				m_e	
WET	74.82		P	02:11:55.162	0.1	354.0		5.85		TAS		2.8	0.78	m_e mb	4.4
WLF	73.77		P	02:11:49.007	0.2	354.0		5.85		TAS		8.4	0.74	m_e mb	4.8
WLF	73.77		pP	02:12:00.162	0.1					T__				m_e	

Event 20817003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/17	13:26:05.79			44.3740	149.1490				89.3					79.27	79.27	m i ke	BGR

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 20817009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.27		P	13:38:07.064		27.8		4.71		TAS		11.0	0.67	m_e	mb 5.0
GRA1	79.27		pP	13:38:30.401						T__				m_e	

Event 20818007 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
2022/08/18	05:46:08.00			37.5720	141.6330				47.1					81.68	82.59	m i ke	USGS
OrigID 20818025																	

Magnitude Err Nsta Author OrigID
 mb 5.5 BGR 20818013
 Ms 4.4 BGR 20818013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.59		P	05:58:27.616		37.6		4.52		TAS		26.1	0.89	m_e	mb 5.5
GRA1	82.59		L	06:39:14.553						T__		193.5	22.00	a_e	Ms 4.4
MOX	81.68		L	06:39:07.337						T__		162.2	21.60	a_e	Ms 4.3

Event 20819003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/19	18:36:45.26			45.0320	148.0700				33.0				19	73.50	80.44	m i ke	BGR
OrigID 20819009																	

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 20819009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	80.44		P	18:48:52.063	-0.3	29.6		5.54		TAS		6.4	1.12	m_e	mb 4.6
BRG	76.43		P	18:48:29.479	-0.6	29.6		5.54		TAS		2.0	0.87	m_e	mb 4.2
BSEG	74.92		P	18:48:21.049	-0.6	29.6		5.54		TAS		7.3	1.00	m_e	mb 4.7
BUG	78.00		P	18:48:38.543	-0.1	29.6		5.54		TAS		6.0	0.84	m_e	mb 4.8
CLL	76.37		P	18:48:29.262	-0.5	29.6		5.54		TAS		9.8	0.54	m_e	mb 5.2
CLZ	76.73		P	18:48:32.140	0.4	29.6		5.54		TAS		14.1	1.45	m_e	mb 4.9
FLT1	76.04		P	18:48:27.507	-0.4	29.6		5.54		TAS		11.8	1.28	m_e	mb 4.9
GEC2	78.25		P	18:48:40.141	0.0	29.6		5.54		TAS		3.2	0.75	m_e	mb 4.5
GOR1	75.45		P	18:48:25.103	0.5	29.6		5.54		TAS		10.0	1.22	m_e	mb 4.8
GRA1	78.34		P	18:48:41.400	0.7	29.6		5.54		TAS		10.0	0.77	m_e	mb 5.0

IBBN	77.09	P	18:48:33.689	0.1	29.6	5.54	TAS	8.8	0.85	m_e	mb	4.9
KAST	77.87	P	18:48:38.047	0.0	29.6	5.54	TAS	3.8	0.96	m_e	mb	4.5
MOX	77.38	P	18:48:35.462	0.1	29.6	5.54	TAS	1.9	0.62	m_e	mb	4.4
PLN	77.35	P	18:48:35.168	0.0	29.6	5.54	TAS	1.0	0.90	m_e	mb	4.0
RGN	73.50	P	18:48:14.264	0.5	29.6	5.54	TAS	33.6	0.79	m_e	mb	5.4
RUE	75.12	P	18:48:22.645	-0.2	29.6	5.54	TAS	10.5	0.90	m_e	mb	4.9
STU	79.78	P	18:48:48.352	-0.3	29.6	5.54	TAS	12.4	0.69	m_e	mb	5.0
TNS	78.73	P	18:48:43.014	0.2	29.6	5.54	TAS	3.8	0.84	m_e	mb	4.5
WET	78.27	P	18:48:40.710	0.4	29.6	5.54	TAS	3.3	0.81	m_e	mb	4.5

Event 20820003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/20	19:34:45.48			-23.7020	179.3970				500.0			18		148.63	154.34	m i ke	BGR
20820009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.26		PKPbc	19:53:40.070	0.3	23.9		2.26		TAS					m_e
ASSE	150.26		PKPab	19:53:49.076	0.1	21.9		4.31		TAS					m_e
BFO	154.34		PKPab	19:54:06.550		21.9		4.31		TAS					m_e
BRG	150.56		PKPbc	19:53:40.787	0.2	23.9		2.26		TAS					m_e
BRG	150.56		PKPab	19:53:50.707	0.3	21.9		4.31		TAS					m_e
BSEG	148.63		PKPbc	19:53:36.162	0.3	23.9		2.26		TAS					m_e
BSEG	148.63		PKPab	19:53:42.520	-0.1	21.9		4.31		TAS					m_e
CLL	150.44		PKPbc	19:53:40.435	0.1	23.9		2.26		TAS					m_e
CLL	150.44		PKPab	19:53:50.195	-0.0	21.9		4.31		TAS					m_e
CLZ	150.59		PKPbc	19:53:41.277	0.3	23.9		2.26		TAS					m_e
CLZ	150.59		PKPab	19:53:51.259	0.2	21.9		4.31		TAS					m_e
FLT1	149.94		PKPbc	19:53:39.383	-0.1	23.9		2.26		TAS					m_e
FLT1	149.94		PKPab	19:53:47.424	-0.1	21.9		4.31		TAS					m_e
FUR	153.76		PKPab	19:54:05.186		21.9		4.31		TAS					m_e
GEC2	152.42		PKPbc	19:53:45.056		23.9		2.26		TAS					m_e
GEC2	152.42		PKPab	19:53:58.729		21.9		4.31		TAS					m_e
GOR1	149.31		PKPbc	19:53:37.842	-0.1	23.9		2.26		TAS					m_e
GRA1	152.38		PKPab	19:53:58.890		21.9		4.31		TAS					m_e
GTTG	150.96		PKPbc	19:53:42.084	0.1	23.9		2.26		TAS					m_e
GTTG	150.96		PKPab	19:53:52.605	0.4	21.9		4.31		TAS					m_e
HLG	148.82		PKPab	19:53:43.305	-0.5	21.9		4.31		TAS					m_e
IBBN	150.65		PKPbc	19:53:41.479	-0.1	23.9		2.26		TAS					m_e
IBBN	150.65		PKPab	19:53:51.340	-0.4	21.9		4.31		TAS					m_e
KAST	151.59		PKPbc	19:53:43.149		23.9		2.26		TAS					m_e
MOX	151.40		PKPbc	19:53:42.701	-0.3	23.9		2.26		TAS					m_e
MOX	151.40		PKPab	19:53:53.857	-0.4	21.9		4.31		TAS					m_e
NEUB	150.86		PKPbc	19:53:41.729	-0.0	23.9		2.26		TAS					m_e

NEUB	150.86	PKPab	19:53:51.884	-0.0	21.9	4.31	TAS	m_e
PLN	151.41	PKPbc	19:53:42.839	-0.1	23.9	2.26	TAS	m_e
PLN	151.41	PKPab	19:53:54.283	-0.4	21.9	4.31	TAS	m_e
RUE	149.18	PKPbc	19:53:37.998	-0.1	23.9	2.26	TAS	m_e
TANN	151.39	PKPbc	19:53:42.613	-0.2	23.9	2.26	TAS	m_e
TANN	151.39	PKPab	19:53:54.505	-0.1	21.9	4.31	TAS	m_e
TNS	152.52	PKPbc	19:53:45.362		23.9	2.26	TAS	m_e
TNS	152.52	PKPab	19:53:58.669		21.9	4.31	TAS	m_e
WET	152.41	PKPbc	19:53:44.712		23.9	2.26	TAS	m_e
WET	152.41	PKPab	19:53:58.780		21.9	4.31	TAS	m_e

Event 20821002 Near coast of Ecuador

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/21	10:28:01.00			-0.2370	-80.6960				13.0			25		88.15	93.13	m i ke	USGS
20821020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	20821008
Ms	4.9		BGR	20821008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.78		P	10:40:55.031	0.1	271.3		4.72		TAS		47.8	1.71	m_e	mb 5.5
ASSE	91.04		P	10:41:05.922	0.7	271.3		4.72		TAS		64.2	2.48	m_e	mb 5.5
BALST	89.10		P	10:40:56.283	-0.2	271.3		4.72		TAS		46.5	1.80	m_e	mb 5.4
BFO	89.55		P	10:40:58.081	1.0	271.3		4.72		TAS		16.3	1.83	m_e	mb 5.0
BRG	93.13		P	10:41:15.168		271.3		4.72		TAS		8.2	1.59	m_e	mb 4.9
BSEG	90.79		P	10:41:03.925	-0.7	271.3		4.72		TAS		47.1	1.92	m_e	mb 5.5
BUG	88.93		P	10:40:55.937	0.4	271.3		4.72		TAS		13.8	1.19	m_e	mb 5.1
CLL	92.52		P	10:41:12.034		271.3		4.72		TAS		37.6	2.13	m_e	mb 5.5
CLZ	90.86		P	10:41:04.738	-0.1	271.3		4.72		TAS		12.2	1.58	m_e	mb 5.0
FLT1	91.38		P	10:41:07.417	0.1	271.3		4.72		TAS		302.3	4.76	m_e	mb 5.9
FUR	91.52		P	10:41:07.800	0.2	271.3		4.72		TAS		6.8	0.72	m_e	mb 5.1
GEC2	93.10		P	10:41:15.533		271.3		4.72		TAS		13.8	1.68	m_e	mb 5.1
GOR1	91.41		P	10:41:06.601	-0.5	271.3		4.72		TAS		21.5	1.50	m_e	mb 5.3
GRA1	91.44		P	10:41:07.550	0.2	271.3		4.72		TAS		15.1	1.56	m_e	mb 5.1
GRA1	91.44		L	11:16:49.377						T__		569.6	21.20	a_e	Ms 5.0
KAST	89.64		P	10:40:58.623	-0.2	271.3		4.72		TAS		12.0	1.40	m_e	mb 4.9
MOX	91.67		L	11:19:13.349						T__		437.5	21.60	a_e	Ms 4.9
PLN	92.02		P	10:41:10.848		271.3		4.72		TAS		21.3	2.79	m_e	mb 5.0
PLONS	90.25		P	10:41:01.570	0.4	271.3		4.72		TAS		66.6	2.30	m_e	mb 5.5
SLE	89.65		P	10:40:58.862	-0.3	271.3		4.72		TAS		119.9	1.70	m_e	mb 5.8
STU	90.12		P	10:41:01.179	0.1	271.3		4.72		TAS		108.0	1.96	m_e	mb 5.7
SULZ	89.39		P	10:40:58.057	-0.3	271.3		4.72		TAS		65.5	1.36	m_e	mb 5.7
TANN	92.21		P	10:41:11.235		271.3		4.72		TAS		25.0	1.94	m_e	mb 5.2
TNS	89.65		P	10:41:00.035	-0.1	271.3		4.72		TAS		22.9	1.66	m_e	mb 5.1

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UBR	90.74	P	10:41:04.267	0.1	271.3	4.72	TAS	45.6	1.82	m_e	mb	5.5
WET	92.54	P	10:41:12.876		271.3	4.72	TAS	28.8	1.81	m_e	mb	5.4
WLF	88.15	P	10:40:51.769	-0.2	271.3	4.72	TAS	87.7	1.95	m_e	mb	5.8

Event 20822002 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/22	07:54:58.00			-0.9630	-24.6460				10.0					59.13	60.00	m i ke	USGS
OrigID 20822020																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20822008
Ms	4.2		BGR	20822008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	59.13		P	08:05:01.034		223.1		7.14		TAS		12.2	1.23	m_e	mb	4.8
GRA1	59.13		L	08:30:52.109						T__		215.3	20.80	a_e	Ms	4.3
MOX	60.00		L	08:28:59.101						T__		150.7	21.30	a_e	Ms	4.1

Event 20823009 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/23	14:31:41.36			-4.4600	103.2500				33.2	0.9		27		93.01	98.00	m i ke	BGR
OrigID 20823015																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	20823015
Ms	5.9		BGR	20823015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	97.37		P	14:45:11.316		91.2		4.49		TAS		461.7	2.61	m_e	mb	6.7
AHRW	97.37		pP	14:45:20.801		90.6		4.45		TAS				m_e		
ASSE	95.09		P	14:45:00.766	-0.1	91.2		4.49		TAS		173.6	1.51	a_e	mb	6.2
BFO	96.61		P	14:45:07.366	0.0	91.2		4.49		TAS		147.9	1.90	a_e	mb	6.2
BFO	96.61		pP	14:45:17.397		90.6		4.45		TAS				m_e		
BRG	93.01		P	14:44:51.716	0.2	91.2		4.49		TAS		293.8	1.79	a_e	mb	6.3
BSEG	95.32		P	14:45:02.016	0.1	91.2		4.49		TAS		144.2	1.45	a_e	mb	6.2
BSEG	95.32		pP	14:45:11.684		90.6		4.45		TAS				m_e		
BUG	97.21		P	14:45:10.316	0.2	91.2		4.49		TAS		100.7	1.57	a_e	mb	6.1
CLL	93.62		P	14:44:53.966	-0.3	91.2		4.49		TAS		99.1	1.34	a_e	mb	6.1
CLL	93.62		pP	14:45:03.801	-0.0	90.6		4.45		TAS				m_e		
CLZ	95.28		P	14:45:01.866	0.1	91.2		4.49		TAS		126.5	1.43	m_e	mb	6.2
FLT1	94.75		P	14:44:58.666	-0.7	91.2		4.49		TAS		132.6	1.77	a_e	mb	6.0

FUR	94.64	P	14:44:58.516	-0.4	91.2	4.49	TAS	227.7	1.62	a_e	mb	6.2
GEC2	93.06	P	14:44:52.016	0.3	91.2	4.49	TAS	502.5	1.75	a_e	mb	6.6
GEC2	93.06	pP	14:45:01.735	-0.3	90.6	4.45	TAS			m_e		
GOR1	94.72	P	14:44:59.166	-0.1	91.2	4.49	TAS	162.4	1.51	a_e	mb	6.1
GRA1	94.71	P	14:44:59.566	0.4	91.2	4.49	TAS	469.4	1.92	a_e	mb	6.5
GRA1	94.71	pP	14:45:09.388		90.6	4.45	TAS			m_e		
GRA1	94.71	L	15:35:51.878				T__	4893.9	21.60	a_e	Ms	5.9
GTTG	95.53	P	14:45:02.916	0.0	91.2	4.49	TAS	108.4	1.31	a_e	mb	6.1
IBBN	96.88	P	14:45:09.016	0.2	91.2	4.49	TAS	162.5	1.54	a_e	mb	6.3
KAST	96.50	P	14:45:07.416	-0.4	91.2	4.49	TAS	137.9	1.65	a_e	mb	6.2
MOX	94.48	P	14:44:58.216	0.1	91.2	4.49	TAS	127.1	1.43	m_e	mb	6.0
MOX	94.48	L	15:35:42.456				T__	3488.3	21.60	a_e	Ms	5.8
NEUB	94.39	P	14:44:57.616	-0.1	91.2	4.49	TAS	266.6	1.44	a_e	mb	6.4
PLN	94.13	P	14:44:56.616	0.1	91.2	4.49	TAS	32.8	1.34	a_e	mb	5.6
RGN	93.57	P	14:44:54.216	0.1	91.2	4.49	TAS	373.4	1.76	a_e	mb	6.5
RUE	93.20	P	14:44:52.466	0.1	91.2	4.49	TAS	395.0	1.43	a_e	mb	6.5
STU	96.03	P	14:45:05.116	0.2	91.2	4.49	TAS	676.4	1.80	a_e	mb	6.8
TANN	93.93	P	14:44:55.816	0.1	91.2	4.49	TAS	189.9	1.83	a_e	mb	6.2
TNS	96.50	P	14:45:07.466	0.2	91.2	4.49	TAS	187.6	1.58	a_e	mb	6.4
UBR	95.42	P	14:45:02.116	-0.3	91.2	4.49	TAS	163.8	1.70	a_e	mb	6.2
WET	93.61	P	14:44:54.466	0.2	91.2	4.49	TAS	342.2	1.66	a_e	mb	6.5
WLF	98.00	P	14:45:14.216		91.2	4.49	TAS	177.4	1.85	a_e	mb	6.4

Event 20824006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/24	22:43:30.98			48.0600	152.6200				62.3	1.2		24		73.37	79.11	m i ke	BGR
OrigID 20824012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20824012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.28		P	22:55:20.102	0.1	25.5		5.64		TAS		7.8	0.83	m_e	mb 4.9
ASSE	74.92		P	22:55:06.336	-0.3	25.5		5.64		TAS		12.1	1.41	m_e	mb 4.7
ASSE	74.92		pP	22:55:23.391						T__				m_e	
BFO	79.00		P	22:55:29.209	-0.5	25.5		5.64		TAS		9.0	1.07	m_e	mb 4.7
BRG	75.14		P	22:55:07.704	-0.2	25.5		5.64		TAS		7.7	1.45	m_e	mb 4.5
BSEG	73.37		P	22:54:57.567	-0.3	25.5		5.64		TAS		5.4	0.78	m_e	mb 4.7
BUG	76.41		P	22:55:15.054	0.1	25.5		5.64		TAS		19.3	1.33	m_e	mb 5.1
CLL	75.02		P	22:55:06.308	-0.9	25.5		5.64		TAS		11.1	0.99	m_e	mb 4.8
CLL	75.02		pP	22:55:23.710						T__				m_e	
CLZ	75.25		P	22:55:08.468	-0.1	25.5		5.64		TAS		9.2	1.10	m_e	mb 4.7
FLT1	74.58		P	22:55:04.523	-0.2	25.5		5.64		TAS		24.7	1.49	m_e	mb 5.0
FUR	78.34		P	22:55:26.563	0.6	25.5		5.64		TAS		18.5	1.09	m_e	mb 5.1
GEC2	77.02		P	22:55:18.175	-0.3	25.5		5.64		TAS		8.5	1.43	m_e	mb 4.7

2022/08/27 18:27:43.88 18.0630 119.9470 33.0 11 85.27 90.82 m i ke BGR
20827007

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 20827007
Ms 4.9 BGR 20827007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	90.21		P	18:40:40.666		64.3		4.77		TAS		10.9	1.14	m_e	mb 5.0
BRG	85.82		P	18:40:19.996		64.3		4.77		TAS		16.8	1.03	m_e	mb 5.1
CLL	86.18		P	18:40:21.068		64.3		4.77		TAS		12.3	1.13	m_e	mb 4.9
CLZ	87.44		P	18:40:28.003	0.5	64.3		4.77		TAS		11.0	1.09	m_e	mb 4.9
FUR	88.53		P	18:40:33.324		64.3		4.77		TAS		30.6	1.14	m_e	mb 5.4
GEC2	86.78		P	18:40:24.610		64.3		4.77		TAS		10.4	1.06	m_e	mb 4.9
GRA1	87.90		L	19:21:11.895						T__		524.7	21.00	a_e	Ms 4.9
MOX	87.26		L	19:23:22.295						T__		463.1	21.00	a_e	Ms 4.9
RUE	85.27		P	18:40:17.351	-0.1	64.3		4.77		TAS		54.8	1.01	m_e	mb 5.7
TNS	89.25		P	18:40:36.488		64.3		4.77		TAS		16.3	1.42	m_e	mb 5.1
UBR	89.45		P	18:40:37.054		64.3		4.77		TAS		21.3	0.97	m_e	mb 5.3
WET	87.15		P	18:40:26.218		64.3		4.77		TAS		13.3	1.54	m_e	mb 4.8
WLF	90.82		P	18:40:43.719		64.3		4.77		TAS		19.1	1.23	m_e	mb 5.3

Event 20828001 Southeast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/08/28 00:54:59.29 32.9960 142.1580 33.0 17 83.61 87.94 m i ke BGR
20828007

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 20828007
Ms 4.7 BGR 20828007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.74		P	01:07:44.033		39.4		4.88		TAS		42.4	1.72	m_e	mb 5.5
BRG	84.75		P	01:07:29.712	-0.1	39.4		4.88		TAS		13.4	0.91	m_e	mb 5.2
BSEG	83.84		P	01:07:25.172	-0.1	39.4		4.88		TAS		14.5	0.80	m_e	mb 5.3
BUG	86.94		P	01:07:40.130	0.1	39.4		4.88		TAS		12.8	0.78	m_e	mb 5.1
CLL	84.81		P	01:07:29.606	0.1	39.4		4.88		TAS		29.0	0.86	m_e	mb 5.5
CLZ	85.45		P	01:07:33.496	0.2	39.4		4.88		TAS		21.3	0.95	m_e	mb 5.2
FLT1	84.73		P	01:07:29.174	-0.2	39.4		4.88		TAS		21.5	0.91	m_e	mb 5.4
FUR	87.94		P	01:07:45.225		39.4		4.88		TAS		20.4	1.21	m_e	mb 5.3
GOR1	84.19		P	01:07:27.010	0.1	39.4		4.88		TAS		39.5	1.46	m_e	mb 5.4
GRA1	86.78		L	01:47:10.652						T__		288.7	18.80	a_e	Ms 4.7
GTTG	85.84		P	01:07:35.061	0.0	39.4		4.88		TAS		18.4	0.82	m_e	mb 5.2
IBBN	86.07		P	01:07:36.120	0.1	39.4		4.88		TAS		29.1	0.88	m_e	mb 5.4
KAST	86.70		P	01:07:39.329	-0.2	39.4		4.88		TAS		10.4	0.88	m_e	mb 5.0

./bul2208.txt

Tue Dec 05 10:50:39 2023

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MOX	85.88	P	01:07:35.219	0.0	39.4	4.88	TAS	27.3	1.54	m_e	mb	5.2
MOX	85.88	L	01:53:27.905				T__	357.1	21.70	a_e	Ms	4.7
NEUB	85.39	P	01:07:32.790	0.1	39.4	4.88	TAS	23.9	0.90	m_e	mb	5.4
PLN	85.78	P	01:07:34.706		39.4	4.88	TAS	12.5	1.78	m_e	mb	4.8
RUE	83.61	P	01:07:23.931	0.5	39.4	4.88	TAS	25.2	1.08	m_e	mb	5.4
TANN	85.71	P	01:07:34.260		39.4	4.88	TAS	30.3	1.81	m_e	mb	5.1

Event 20828002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/28	03:42:30.00			-22.5170	170.9030				10.0			25		145.28	150.68	m i ke	USGS
20828020																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.69		PKPbc	04:02:12.495	-0.3	36.4		2.69		TAS				m_e	
BFO	150.68		PKPbc	04:02:22.208		36.4		2.69		TAS				m_e	
BRG	146.44		PKPbc	04:02:11.616	0.3	36.4		2.69		TAS				m_e	
BSEG	145.30		PKPbc	04:02:08.237	-0.6	36.4		2.69		TAS				m_e	
BUG	148.40		PKPbc	04:02:16.728	0.3	36.4		2.69		TAS				m_e	
CLL	146.49		PKPbc	04:02:11.604	-0.0	36.4		2.69		TAS				m_e	
CLZ	147.03		PKPbc	04:02:13.507	-0.1	36.4		2.69		TAS				m_e	
FLT1	146.33		PKPbc	04:02:11.018	0.5	36.4		2.69		TAS				m_e	
FUR	149.64		PKPbc	04:02:20.221		36.4		2.69		TAS				m_e	
GEC2	148.07		PKPbc	04:02:16.203	-0.4	36.4		2.69		TAS				m_e	
GOR1	145.76		PKPbc	04:02:09.858	-0.1	36.4		2.69		TAS				m_e	
GRA1	148.46		PKPbc	04:02:17.375	-0.8	36.4		2.69		TAS				m_e	
GTTG	147.42		PKPbc	04:02:14.752	0.2	36.4		2.69		TAS				m_e	
IBBN	147.49		PKPbc	04:02:14.532	0.3	36.4		2.69		TAS				m_e	
KAST	148.24		PKPbc	04:02:16.742	0.0	36.4		2.69		TAS				m_e	
MOX	147.55		PKPbc	04:02:14.592	0.2	36.4		2.69		TAS				m_e	
NEUB	147.05		PKPbc	04:02:13.507	0.4	36.4		2.69		TAS				m_e	
PLN	147.46		PKPbc	04:02:14.731	0.3	36.4		2.69		TAS				m_e	
RUE	145.28		PKPbc	04:02:07.798	0.2	36.4		2.69		TAS				m_e	
STU	149.99		PKPbc	04:02:21.319		36.4		2.69		TAS				m_e	
TANN	147.40		PKPbc	04:02:14.512	0.0	36.4		2.69		TAS				m_e	
TNS	149.05		PKPbc	04:02:18.830	0.0	36.4		2.69		TAS				m_e	
UBR	150.50		PKPbc	04:02:22.176		36.4		2.69		TAS				m_e	
WET	148.20		PKPbc	04:02:16.496	-0.1	36.4		2.69		TAS				m_e	
WLF	150.29		PKPbc	04:02:22.428	0.2	36.4		2.69		TAS				m_e	

Event 20828003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/28	13:21:09.00			-21.3570	-178.8440				564.8				26	146.65	152.68	m i k e	USGS
OrigID 20828021																	

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	150.42		PKPbc	13:39:58.327	0.2	18.1		2.32		TAS				m_e	
ASSE	148.33		PKPbc	13:39:53.390	-0.2	18.1		2.32		TAS				m_e	
BFO	152.39		PKPbc	13:40:02.470		18.1		2.32		TAS				m_e	
BRG	148.81		PKPbc	13:39:54.695	0.2	18.1		2.32		TAS				m_e	
BSEG	146.65		PKPbc	13:39:49.134	-0.2	18.1		2.32		TAS				m_e	
BUG	149.51		PKPbc	13:39:56.057	0.2	18.1		2.32		TAS				m_e	
CLL	148.63		PKPbc	13:39:54.071	0.1	18.1		2.32		TAS				m_e	
CLZ	148.66		PKPbc	13:39:54.525	-0.1	18.1		2.32		TAS				m_e	
FLT1	148.03		PKPbc	13:39:52.425	0.2	18.1		2.32		TAS				m_e	
FUR	151.97		PKPbc	13:40:01.619		18.1		2.32		TAS				m_e	
GEC2	150.73		PKPbc	13:39:59.122	-0.2	18.1		2.32		TAS				m_e	
GOR1	147.39		PKPbc	13:39:51.063	-0.1	18.1		2.32		TAS				m_e	
GRA1	150.54		PKPbc	13:39:58.781	0.0	18.1		2.32		TAS				m_e	
GTTG	149.01		PKPbc	13:39:55.206	0.2	18.1		2.32		TAS				m_e	
IBBN	148.60		PKPbc	13:39:54.071	0.4	18.1		2.32		TAS				m_e	
KAST	149.59		PKPbc	13:39:56.592	0.2	18.1		2.32		TAS				m_e	
MOX	149.55		PKPbc	13:39:56.454	0.2	18.1		2.32		TAS				m_e	
NEUB	149.00		PKPbc	13:39:55.149	-0.1	18.1		2.32		TAS				m_e	
PLN	149.59		PKPbc	13:39:56.511	0.3	18.1		2.32		TAS				m_e	
RUE	147.37		PKPbc	13:39:50.950	0.0	18.1		2.32		TAS				m_e	
STU	151.82		PKPbc	13:40:01.505	-0.4	18.1		2.32		TAS				m_e	
TANN	149.59		PKPbc	13:39:56.511	0.3	18.1		2.32		TAS				m_e	
TNS	150.54		PKPbc	13:39:58.781	-0.0	18.1		2.32		TAS				m_e	
UBR	152.68		PKPbc	13:40:03.094		18.1		2.32		TAS				m_e	
WET	150.66		PKPbc	13:39:58.895	-0.4	18.1		2.32		TAS				m_e	
WLF	151.39		PKPbc	13:40:00.994	-0.0	18.1		2.32		TAS				m_e	

Event 20828004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/28	18:48:01.00			-21.8230	-176.7880				221.5				27	147.40	153.53	m i k e	USGS
OrigID 20828022																	

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	151.09		PKPbc	19:07:29.496	0.3	15.1		2.36		TAS				m_e	
ASSE	149.12		PKPbc	19:07:24.755	0.3	15.1		2.36		TAS				m_e	

BFO	153.15	PKPbc	19:07:34.044	-0.4	15.1	2.36	TAS	m_e
BRG	149.73	PKPbc	19:07:26.357	-0.1	15.1	2.36	TAS	m_e
BSEG	147.40	PKPbc	19:07:20.400	-0.0	15.1	2.36	TAS	m_e
BUG	150.18	PKPbc	19:07:27.270	0.2	15.1	2.36	TAS	m_e
CLL	149.51	PKPbc	19:07:25.716	0.1	15.1	2.36	TAS	m_e
CLZ	149.44	PKPbc	19:07:25.973	-0.2	15.1	2.36	TAS	m_e
FLT1	148.84	PKPbc	19:07:23.809	0.5	15.1	2.36	TAS	m_e
FUR	152.85	PKPbc	19:07:33.339		15.1	2.36	TAS	m_e
GEC2	151.69	PKPbc	19:07:30.859	-0.3	15.1	2.36	TAS	m_e
GOR1	148.19	PKPbc	19:07:22.514	-0.3	15.1	2.36	TAS	m_e
GRA1	151.39	PKPbc	19:07:30.328	-0.1	15.1	2.36	TAS	m_e
GTTG	149.78	PKPbc	19:07:26.613	0.0	15.1	2.36	TAS	m_e
HLG	147.41	PKPbc	19:07:20.797	-0.3	15.1	2.36	TAS	m_e
IBBN	149.28	PKPbc	19:07:25.348	0.0	15.1	2.36	TAS	m_e
KAST	150.31	PKPbc	19:07:27.847	0.1	15.1	2.36	TAS	m_e
MOX	150.40	PKPbc	19:07:27.958	0.2	15.1	2.36	TAS	m_e
NEUB	149.85	PKPbc	19:07:26.565	0.2	15.1	2.36	TAS	m_e
PLN	150.46	PKPbc	19:07:28.150	0.1	15.1	2.36	TAS	m_e
RUE	148.25	PKPbc	19:07:22.464	-0.3	15.1	2.36	TAS	m_e
STU	152.60	PKPbc	19:07:33.038	-0.2	15.1	2.36	TAS	m_e
TANN	150.47	PKPbc	19:07:28.232	0.4	15.1	2.36	TAS	m_e
TNS	151.27	PKPbc	19:07:30.026	0.2	15.1	2.36	TAS	m_e
UBR	153.53	PKPbc	19:07:34.722		15.1	2.36	TAS	m_e
WET	151.59	PKPbc	19:07:30.713	0.0	15.1	2.36	TAS	m_e
WLF	152.03	PKPbc	19:07:32.333	0.0	15.1	2.36	TAS	m_e

Event 20828005 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/28	22:34:44.95			-0.0680	97.3470				33.0				26	85.88	90.84	m i ke	BGR
20828011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	20828011
Ms	5.1		BGR	20828011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.24		S	22:58:40.506		93.8		9.36		TAS					m_e
AHRW	90.24		P	22:47:42.636	0.3	93.0		4.79		TAS		32.7	1.06	m_e	mb 5.5
ASSE	88.02		S	22:58:18.643		93.8		9.36		TAS					m_e
ASSE	88.02		P	22:47:31.862	0.1	93.0		4.79		TAS		96.5	1.35	m_e	mb 6.0
BFO	89.42		S	22:58:33.218		93.8		9.36		TAS					m_e
BFO	89.42		P	22:47:37.977		93.0		4.79		TAS		19.9	0.93	m_e	mb 5.3
BRG	85.90		S	22:57:59.209		93.8		9.36		TAS					m_e
BRG	85.90		P	22:47:21.904	0.2	93.0		4.79		TAS		47.6	1.32	m_e	mb 5.5
BSEG	88.31		S	22:58:23.501		93.8		9.36		TAS					m_e

BSEG	88.31	P	22:47:33.191	-0.1	93.0	4.79	TAS	84.9	1.29	m_e	mb	5.9
BUG	90.11	S	22:58:39.506		93.8	9.36	TAS			m_e		
BUG	90.11	P	22:47:41.922	0.0	93.0	4.79	TAS	52.7	1.24	m_e	mb	5.6
CLL	86.52	S	22:58:04.067		93.8	9.36	TAS			m_e		
CLL	86.52	P	22:47:24.525	0.2	93.0	4.79	TAS	37.9	1.19	m_e	mb	5.4
CLZ	88.19	S	22:58:19.614		93.8	9.36	TAS			m_e		
CLZ	88.19	P	22:47:32.976	-0.1	93.0	4.79	TAS	49.2	1.01	m_e	mb	5.8
FLT1	87.68	S	22:58:13.758		93.8	9.36	TAS			m_e		
FLT1	87.68	P	22:47:29.687	0.2	93.0	4.79	TAS	28.0	0.96	m_e	mb	5.6
FUR	87.44	S	22:58:11.841		93.8	9.36	TAS			m_e		
FUR	87.44	P	22:47:28.703		93.0	4.79	TAS	111.0	1.74	m_e	mb	5.7
GEC2	85.88	S	22:58:00.641		93.8	9.36	TAS			m_e		
GEC2	85.88	P	22:47:21.640	-0.3	93.0	4.79	TAS	55.5	1.20	m_e	mb	5.6
GOR1	87.67	P	22:47:29.806	-0.2	93.0	4.79	TAS	66.6	1.27	m_e	mb	5.8
GRA1	87.56	S	22:58:16.699		93.8	9.36	TAS			m_e		
GRA1	87.56	P	22:47:29.924	-0.0	93.0	4.79	TAS	40.1	1.04	m_e	mb	5.7
GRA1	87.56	L	23:35:57.634				T__	1000.9	21.70	a_e	Ms	5.2
GTTG	88.43	S	22:58:23.987		93.8	9.36	TAS			m_e		
GTTG	88.43	P	22:47:34.026	0.2	93.0	4.79	TAS	56.5	1.01	m_e	mb	5.8
HLG	89.75	S	22:58:35.620		93.8	9.36	TAS			m_e		
IBBN	89.81	S	22:58:36.105		93.8	9.36	TAS			m_e		
IBBN	89.81	P	22:47:40.210	0.3	93.0	4.79	TAS	117.8	1.61	m_e	mb	5.9
KAST	89.39	S	22:58:33.676		93.8	9.36	TAS			m_e		
KAST	89.39	P	22:47:38.606	0.3	93.0	4.79	TAS	79.2	1.49	m_e	mb	5.7
MOX	87.35	S	22:58:13.298		93.8	9.36	TAS			m_e		
MOX	87.35	P	22:47:28.904	-0.1	93.0	4.79	TAS	45.3	1.32	m_e	mb	5.4
MOX	87.35	L	23:36:46.462				T__	648.3	20.80	a_e	Ms	5.0
NEUB	87.29	S	22:58:11.815		93.8	9.36	TAS			m_e		
NEUB	87.29	P	22:47:28.334	0.2	93.0	4.79	TAS	63.8	1.07	m_e	mb	5.7
PLN	87.00	S	22:58:09.897		93.8	9.36	TAS			m_e		
PLN	87.00	P	22:47:27.106	0.0	93.0	4.79	TAS	11.0	1.28	m_e	mb	4.8
RGN	86.59	S	22:58:08.414		93.8	9.36	TAS			m_e		
RUE	86.14	S	22:57:59.669		93.8	9.36	TAS			m_e		
RUE	86.14	P	22:47:22.664	0.1	93.0	4.79	TAS	196.8	1.29	m_e	mb	6.1
STU	88.85	S	22:58:26.389		93.8	9.36	TAS			m_e		
STU	88.85	P	22:47:35.765	-0.1	93.0	4.79	TAS	69.2	1.06	m_e	mb	5.8
TANN	86.80	S	22:58:09.386		93.8	9.36	TAS			m_e		
TANN	86.80	P	22:47:25.839	0.3	93.0	4.79	TAS	31.3	1.32	m_e	mb	5.3
TNS	89.36	S	22:58:32.732		93.8	9.36	TAS			m_e		
TNS	89.36	P	22:47:38.501	0.0	93.0	4.79	TAS	71.0	1.16	m_e	mb	5.8
UBR	88.21	S	22:58:18.643		93.8	9.36	TAS			m_e		
UBR	88.21	P	22:47:32.569		93.0	4.79	TAS	15.7	0.96	m_e	mb	5.3
WET	86.44	S	22:58:05.525		93.8	9.36	TAS			m_e		
WET	86.44	P	22:47:24.275	-0.5	93.0	4.79	TAS	35.5	1.10	m_e	mb	5.4
WLF	90.84	S	22:58:44.364		93.8	9.36	TAS			m_e		
WLF	90.84	P	22:47:45.357	0.1	93.0	4.79	TAS	72.9	1.47	m_e	mb	5.8

Event 20829004 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/29	03:29:24.14			-0.4730	97.0360				33.0			24		85.98	90.95	m i ke	BGR
OrigID 20829010																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	20829010
Ms	5.9		BGR	20829010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.35		S	03:53:19.712	0.0	93.5		9.46		TAS				m_e	
AHRW	90.35		P	03:42:22.052	-0.1	93.5		4.78		TAS		75.1	1.33	m_e mb	5.8
ASSE	88.14		S	03:52:57.664	0.0	93.5		9.46		TAS				m_e	
ASSE	88.14		P	03:42:11.227	-0.2	93.5		4.78		TAS		159.8	1.44	m_e mb	6.1
BFO	89.51		S	03:53:12.887	0.0	93.5		9.46		TAS				m_e	
BFO	89.51		P	03:42:17.563		93.5		4.78		TAS		91.1	1.44	m_e mb	5.8
BRG	86.01		S	03:52:39.292	0.0	93.5		9.46		TAS				m_e	
BRG	86.01		P	03:42:01.243	0.3	93.5		4.78		TAS		125.5	1.63	m_e mb	5.8
BSEG	88.45		S	03:53:01.864	0.0	93.5		9.46		TAS				m_e	
BSEG	88.45		P	03:42:13.022	-0.0	93.5		4.78		TAS		187.3	1.55	m_e mb	6.2
BUG	90.23		S	03:53:19.187	0.0	93.5		9.46		TAS				m_e	
BUG	90.23		P	03:42:21.216	0.0	93.5		4.78		TAS		123.2	1.46	m_e mb	5.9
CLL	86.64		S	03:52:42.966	0.0	93.5		9.46		TAS				m_e	
CLL	86.64		P	03:42:03.899	0.0	93.5		4.78		TAS		114.2	1.59	m_e mb	5.8
CLZ	88.31		S	03:53:00.289	0.0	93.5		9.46		TAS				m_e	
CLZ	88.31		P	03:42:12.410	-0.3	93.5		4.78		TAS		139.1	1.34	m_e mb	6.1
FLT1	87.81		S	03:52:54.515	0.0	93.5		9.46		TAS				m_e	
FLT1	87.81		P	03:42:09.270	0.1	93.5		4.78		TAS		198.8	1.96	m_e mb	6.1
FUR	87.54		S	03:52:52.415	0.0	93.5		9.46		TAS				m_e	
GEC2	85.98		S	03:52:38.767	0.0	93.5		9.46		TAS				m_e	
GEC2	85.98		P	03:42:01.131		93.5		4.78		TAS		153.5	1.48	m_e mb	5.9
GOR1	87.81		P	03:42:09.750	0.1	93.5		4.78		TAS		270.0	1.55	m_e mb	6.3
GRA1	87.66		S	03:52:57.139	0.0	93.5		9.46		TAS				m_e	
GRA1	87.66		P	03:42:09.632	-0.4	93.5		4.78		TAS		268.0	1.72	m_e mb	6.3
GRA1	87.66		L	04:30:21.910						T__		5941.7	21.40	a_e Ms	6.0
GTTG	88.55		S	03:53:02.389	0.0	93.5		9.46		TAS				m_e	
GTTG	88.55		P	03:42:13.514	0.0	93.5		4.78		TAS		108.0	1.23	m_e mb	5.9
HLG	89.89		S	03:53:16.562	0.0	93.5		9.46		TAS				m_e	
IBBN	89.94		S	03:53:15.512	0.0	93.5		9.46		TAS				m_e	
IBBN	89.94		P	03:42:20.151	0.2	93.5		4.78		TAS		161.6	1.41	m_e mb	6.1
KAST	89.51		S	03:53:11.814	0.0	93.5		9.46		TAS				m_e	
KAST	89.51		P	03:42:17.985	0.1	93.5		4.78		TAS		118.6	1.35	m_e mb	5.9
MOX	87.47		S	03:52:52.940	0.0	93.5		9.46		TAS				m_e	
MOX	87.47		P	03:42:08.241	-0.0	93.5		4.78		TAS		135.4	1.70	m_e mb	5.8
MOX	87.47		L	04:27:55.343						T__		3807.7	20.70	a_e Ms	5.8
NEUB	87.40		S	03:52:51.365	0.0	93.5		9.46		TAS				m_e	
NEUB	87.40		P	03:42:07.900	0.1	93.5		4.78		TAS		216.1	1.58	m_e mb	6.0

Event 20829005 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/29	18:10:50.00			-32.7300	-179.0550				31.8			25		157.70	163.47	m i ke	USGS
	20829023																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	161.56		PKPdf	18:30:46.316	0.0	26.5		1.04		TAS					m_e
AHRW	161.56		PKPab	18:31:31.459		23.6		4.39		TAS					m_e
ASSE	159.30		PKPdf	18:30:43.370	-0.6	26.5		1.04		TAS					m_e
ASSE	159.30		PKPab	18:31:22.325		23.6		4.39		TAS					m_e
BFO	163.38		PKPdf	18:30:47.789		26.5		1.04		TAS					m_e
BFO	163.38		PKPab	18:31:40.473		23.6		4.39		TAS					m_e
BRG	159.45		PKPdf	18:30:43.763	0.2	26.5		1.04		TAS					m_e
BRG	159.45		PKPab	18:31:22.463		23.6		4.39		TAS					m_e
BSEG	157.70		PKPdf	18:30:42.106	0.1	26.5		1.04		TAS					m_e
BSEG	157.70		PKPab	18:31:15.773		23.6		4.39		TAS					m_e
BUG	160.66		PKPdf	18:30:45.250	0.1	26.5		1.04		TAS					m_e
BUG	160.66		PKPab	18:31:27.652		23.6		4.39		TAS					m_e
CLL	159.38		PKPdf	18:30:43.776	-0.1	26.5		1.04		TAS					m_e
CLL	159.38		PKPab	18:31:21.099		23.6		4.39		TAS					m_e
CLZ	159.63		PKPdf	18:30:44.366	-0.0	26.5		1.04		TAS					m_e
CLZ	159.63		PKPab	18:31:23.377		23.6		4.39		TAS					m_e
FLT1	158.97		PKPdf	18:30:43.285	0.3	26.5		1.04		TAS					m_e
FLT1	158.97		PKPab	18:31:19.729		23.6		4.39		TAS					m_e
FUR	162.67		PKPdf	18:30:47.804		26.5		1.04		TAS					m_e
FUR	162.67		PKPab	18:31:37.472		23.6		4.39		TAS					m_e
GEC2	161.23		PKPdf	18:30:45.643	0.6	26.5		1.04		TAS					m_e
GEC2	161.23		PKPab	18:31:30.670		23.6		4.39		TAS					m_e
GOR1	158.35		PKPdf	18:30:42.781	0.3	26.5		1.04		TAS					m_e
GOR1	158.35		PKPab	18:31:18.785		23.6		4.39		TAS					m_e
GRA1	161.35		PKPdf	18:30:45.937	-0.3	26.5		1.04		TAS					m_e
GRA1	161.35		PKPab	18:31:31.259		23.6		4.39		TAS					m_e
GTTG	160.00		PKPdf	18:30:43.874	0.0	26.5		1.04		TAS					m_e
GTTG	160.00		PKPab	18:31:25.400		23.6		4.39		TAS					m_e
IBBN	159.74		PKPdf	18:30:44.169	-0.3	26.5		1.04		TAS					m_e
IBBN	159.74		PKPab	18:31:23.374		23.6		4.39		TAS					m_e
KAST	160.67		PKPdf	18:30:45.250	-0.1	26.5		1.04		TAS					m_e
KAST	160.67		PKPab	18:31:27.568		23.6		4.39		TAS					m_e
MOX	160.38		PKPdf	18:30:44.745	0.1	26.5		1.04		TAS					m_e
MOX	160.38		PKPab	18:31:26.380		23.6		4.39		TAS					m_e
NEUB	159.85		PKPab	18:31:24.042		23.6		4.39		TAS					m_e
PLN	160.36		PKPdf	18:30:44.955	0.3	26.5		1.04		TAS					m_e

PLN	160.36	PKPab	18:31:26.366		23.6	4.39	TAS	m_e
RETH	159.03	PKPab	18:31:21.272		23.6	4.39	TAS	m_e
RUE	158.13	PKPdf	18:30:42.794	-0.1	26.5	1.04	TAS	m_e
RUE	158.13	PKPab	18:31:17.247		23.6	4.39	TAS	m_e
STU	162.75	PKPdf	18:30:47.018	-0.2	26.5	1.04	TAS	m_e
STU	162.75	PKPab	18:31:37.883		23.6	4.39	TAS	m_e
TANN	160.33	PKPdf	18:30:44.857	0.1	26.5	1.04	TAS	m_e
TANN	160.33	PKPab	18:31:25.801		23.6	4.39	TAS	m_e
TNS	161.59	PKPdf	18:30:46.134	-0.2	26.5	1.04	TAS	m_e
TNS	161.59	PKPab	18:31:31.201		23.6	4.39	TAS	m_e
UBR	163.47	PKPdf	18:30:47.789		26.5	1.04	TAS	m_e
UBR	163.47	PKPab	18:31:41.775		23.6	4.39	TAS	m_e
WET	161.28	PKPdf	18:30:45.643	-0.1	26.5	1.04	TAS	m_e
WET	161.28	PKPab	18:31:31.381		23.6	4.39	TAS	m_e
WLF	162.56	PKPdf	18:30:47.607	-0.2	26.5	1.04	TAS	m_e
WLF	162.56	PKPab	18:31:34.900		23.6	4.39	TAS	m_e

Event 20830003 Pacific-Antarctic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/30	09:09:43.00			-54.6240	-136.0020				10.0			26		156.49	162.01	m i ke	NEIC
20830042																	

Magnitude Err Nsta Author OrigID
Ms 6.2 BGR 20830009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	157.41		SS	09:53:55.873	-1.2	245.7		9.60		TAS				a_e	
ASSE	160.10		SS	09:54:25.223	2.0	245.7		9.60		TAS				a_e	
BFO	157.13		SS	09:53:50.973	-3.5	245.7		9.60		TAS				m_e	
BRG	161.53		SS	09:54:37.823	1.4	245.7		9.60		TAS				a_e	
BSEG	160.45		SS	09:54:16.473	-12.2	245.7		9.60		TAS				a_e	
BUG	157.88		SS	09:53:58.673	-3.4	245.7		9.60		TAS				a_e	
CLL	161.15		SS	09:54:34.323	1.5	245.7		9.60		TAS				a_e	
CLZ	159.82		SS	09:54:22.323	1.9	245.7		9.60		TAS				a_e	
FLT1	160.49		SS	09:54:26.873	-0.2	245.7		9.60		TAS				a_e	
FUR	158.75		SS	09:54:08.823	-2.0	245.7		9.60		TAS				a_e	
GEC2	160.49		SS	09:54:27.673	0.0	245.7		9.60		TAS				a_e	
GRA1	159.44		SS	09:54:16.073	-0.5	245.7		9.60		TAS				a_e	
GRA1	159.44		L	10:44:52.359						T__		4157.8	20.00	a_e Ms	6.3
GTTG	159.48		SS	09:54:18.923	1.9	245.7		9.60		TAS				a_e	
HLG	159.14		SS	09:54:07.123	-10.2	245.7		9.60		TAS				a_e	
IBBN	158.48		SS	09:54:06.972	26.3	245.7		9.60		TAS				m_e	
KAST	158.45		SS	09:54:10.173	3.0	245.7		9.60		TAS				a_e	
MOX	160.08		SS	09:54:23.923	1.4	245.7		9.60		TAS				a_e	
MOX	160.08		L	10:47:04.048						T__		3409.4	21.40	a_e Ms	6.2

NEUB	160.39	SS	09:54:24.973	-0.6	245.7	9.60	TAS	a_e
PLN	160.33	SS	09:54:25.173	0.2	245.7	9.60	TAS	a_e
RUE	162.01	SS	09:54:40.973	-0.4	245.7	9.60	TAS	a_e
STU	157.84	SS	09:53:59.373	-1.9	245.7	9.60	TAS	a_e
TANN	160.48	SS	09:54:27.773	1.4	245.7	9.60	TAS	a_e
TNS	158.07	SS	09:54:03.073	-0.1	245.7	9.60	TAS	a_e
UBR	157.83	SS	09:53:59.073	-3.0	245.7	9.60	TAS	a_e
WET	160.16	SS	09:54:24.923	1.0	245.7	9.60	TAS	a_e
WLF	156.49	SS	09:53:45.423	-2.7	245.7	9.60	TAS	a_e

Event 20831001 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/31	10:10:31.43			38.3680	25.0060				33.0			15		15.16	18.53	m i ke	BGR
OrigID 20831007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20831007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	17.60		P	10:14:35.614		133.8		11.19		TAS		415.2	2.87	m_e mb	5.1
ASSE	17.01		P	10:14:30.304	0.2	133.8		11.19		TAS		258.4	2.10	m_e mb	5.0
BFO	15.66		P	10:14:13.761		133.8		11.19		TAS		51.8	1.03	m_e mb	4.6
BSEG	18.53		P	10:14:43.873	0.2	133.8		11.19		TAS		147.2	1.22	m_e mb	5.1
BUG	18.06		P	10:14:43.750	-1.3	133.8		11.19		TAS		271.5	1.98	m_e mb	5.0
CLZ	16.92		P	10:14:29.914	0.8	133.8		11.19		TAS		310.0	2.16	m_e mb	5.1
FLT1	16.94		P	10:14:29.375	1.3	133.8		11.19		TAS		1214.8	3.35	m_e mb	5.5
GOR1	17.42		P	10:14:33.854	0.6	133.8		11.19		TAS		1362.1	3.26	m_e mb	5.5
GTTG	16.88		P	10:14:30.105	0.1	133.8		11.19		TAS		243.8	1.69	m_e mb	5.1
IBBN	18.39		P	10:14:46.500	0.9	133.8		11.19		TAS		255.0	1.77	m_e mb	5.1
KAST	17.35		P	10:14:34.821	-0.7	133.8		11.19		TAS		160.2	2.63	m_e mb	4.7
MOX	15.51		P	10:14:13.884		133.8		11.19		TAS				m_e	
NEUB	15.86		P	10:14:18.134	0.0	133.8		11.19		TAS		67.2	1.17	m_e mb	4.7
PLN	15.16		P	10:14:08.374		133.8		11.19		TAS				m_e	
TNS	16.71		P	10:14:26.498		133.8		11.19		TAS		140.6	1.28	m_e mb	4.9

Event 20831002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/08/31	21:45:04.00			-21.5590	175.5980				10.0			6		145.72	149.17	m i ke	USGS
OrigID 20831020																	

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
BRG	147.34		PKPbc	22:04:50.612		27.0		2.82		TAS				m_e	
BSEG	145.72		PKPbc	22:04:46.725	1.3	27.0		2.82		TAS				m_e	
CLL	147.29		PKPbc	22:04:52.446		27.0		2.82		TAS				m_e	
FLT1	146.92		PKPbc	22:04:49.512		27.0		2.82		TAS				m_e	
TANN	148.23		PKPbc	22:04:53.913		27.0		2.82		TAS				m_e	
WET	149.17		PKPbc	22:04:56.553		27.0		2.82		TAS				m_e	