

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

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

September 2022

UPDATED 04.December 2023

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

Event 20901002 Socotra region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/01	07:02:27.05			13.6140	55.5440				33.0			21		49.16	53.92	m i ke	BGR
OrigID 20901008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20901008
Ms	4.4		BGR	20901008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	53.75		P	07:11:47.384	0.1	119.1		7.52		TAS		33.9	1.17	m_e mb	5.3
ASSE	52.49		P	07:11:37.987	0.0	119.1		7.52		TAS		69.9	1.31	m_e mb	5.4
BFO	52.06		P	07:11:34.970		119.1		7.52		TAS		57.9	1.26	m_e mb	5.4
BRG	50.09		P	07:11:19.890	-0.7	119.1		7.52		TAS		55.3	1.57	m_e mb	5.2
CLL	50.83		P	07:11:25.796	0.2	119.1		7.52		TAS		165.6	1.70	m_e mb	5.7
CLZ	52.51		P	07:11:38.197	-0.1	119.1		7.52		TAS		219.2	1.89	m_e mb	5.8
FLT1	52.29		P	07:11:36.065	0.1	119.1		7.52		TAS		82.2	1.29	m_e mb	5.5
FUR	50.23		P	07:11:20.983		119.1		7.52		TAS		127.5	1.02	m_e mb	5.8
GEC2	49.16		P	07:11:13.083		119.1		7.52		TAS		108.1	2.08	m_e mb	5.5
GRA1	50.99		P	07:11:26.020		119.1		7.52		TAS		71.9	1.11	m_e mb	5.5
GRA1	50.99		L	07:35:58.130						T__		359.3	21.10	a_e Ms	4.4
GTTG	52.59		P	07:11:38.498	-0.1	119.1		7.52		TAS		95.9	1.37	m_e mb	5.5
KAST	53.28		P	07:11:43.545	-0.2	119.1		7.52		TAS		67.1	1.65	m_e mb	5.3
MOX	51.24		P	07:11:28.503	-0.8	119.1		7.52		TAS		38.2	1.36	m_e mb	5.2
MOX	51.24		L	07:36:16.794						T__		380.8	21.10	a_e Ms	4.4
NEUB	51.43		P	07:11:30.084	0.4	119.1		7.52		TAS		103.1	1.08	m_e mb	5.7
PLN	50.86		P	07:11:25.790	0.4	119.1		7.52		TAS		65.2	2.08	m_e mb	5.2
RUE	51.05		P	07:11:27.258	0.4	119.1		7.52		TAS		121.4	1.12	m_e mb	5.7
TANN	50.66		P	07:11:24.400	0.1	119.1		7.52		TAS		161.2	2.01	m_e mb	5.6
TNS	52.82		P	07:11:40.308	0.3	119.1		7.52		TAS		37.0	1.17	m_e mb	5.2

UBR	50.71	P	07:11:24.584	119.1	7.52	TAS	40.5	1.03	m_e	mb	5.3
WET	49.78	P	07:11:16.796	119.1	7.52	TAS	194.4	2.92	m_e	mb	5.5
WLF	53.92	P	07:11:49.070	119.1	7.52	TAS	84.1	1.21	m_e	mb	5.6

Event 20902003 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/02	07:13:05.72			13.8400	92.9000				44.2	1.7		26		72.43	77.49	m i ke	BGR
OrigID 20902009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	20902009
Ms	4.4		BGR	20902009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	76.80		P	07:24:54.322	0.3	87.5		5.79		TAS		25.4	1.18	m_e	mb	5.2
ASSE	74.44		P	07:24:39.866	-0.5	87.5		5.79		TAS		13.7	1.11	m_e	mb	4.9
ASSE	74.44		sP	07:24:57.219						T__				m_e		
BFO	76.21		P	07:24:49.934	-0.6	87.5		5.79		TAS		10.3	1.11	m_e	mb	4.9
BRG	72.43		P	07:24:28.705	-0.0	87.5		5.79		TAS		21.3	0.85	m_e	mb	5.3
BRG	72.43		sP	07:24:46.851						T__				m_e		
BSEG	74.57		P	07:24:41.282	0.2	87.5		5.79		TAS		37.4	1.03	m_e	mb	5.4
BUG	76.59		P	07:24:52.606	-0.2	87.5		5.79		TAS		14.7	0.65	m_e	mb	5.3
CLL	73.02		P	07:24:31.417	-0.7	87.5		5.79		TAS		16.5	1.08	m_e	mb	5.1
CLL	73.02		sP	07:24:49.958						T__				m_e		
CLZ	74.63		P	07:24:41.743	0.2	87.5		5.79		TAS		26.0	1.08	m_e	mb	5.2
CLZ	74.63		sP	07:24:59.666						T__				m_e		
FLT1	74.08		P	07:24:37.461	-0.8	87.5		5.79		TAS		10.2	0.91	m_e	mb	4.8
FUR	74.26		P	07:24:39.589	0.4	87.5		5.79		TAS		16.9	0.78	m_e	mb	5.1
GEC2	72.62		P	07:24:29.819	0.1	87.5		5.79		TAS		28.7	0.82	m_e	mb	5.4
GOR1	74.01		P	07:24:37.771	-0.1	87.5		5.79		TAS		38.2	1.25	m_e	mb	5.3
GRA1	74.21		P	07:24:39.489	0.5	87.5		5.79		TAS		19.0	1.11	m_e	mb	5.0
GRA1	74.21		L	08:03:20.813						T__		219.9	22.00	a_e	Ms	4.4
GTTG	74.91		P	07:24:43.107	0.0	87.5		5.79		TAS		37.5	1.17	m_e	mb	5.3
IBBN	76.21		P	07:24:50.889	-0.0	87.5		5.79		TAS		24.5	0.99	m_e	mb	5.3
KAST	75.90		P	07:24:48.805	0.1	87.5		5.79		TAS		13.3	1.20	m_e	mb	5.0
MOX	73.91		P	07:24:37.447	-0.0	87.5		5.79		TAS		14.9	1.03	m_e	mb	5.0
MOX	73.91		L	08:03:14.520						T__		185.6	20.40	a_e	Ms	4.4
NEUB	73.79		P	07:24:36.575	0.0	87.5		5.79		TAS		23.7	1.03	m_e	mb	5.2
PLN	73.57		P	07:24:35.334	0.1	87.5		5.79		TAS		4.5	0.88	m_e	mb	4.5
RUE	72.52		P	07:24:29.384	0.5	87.5		5.79		TAS		49.7	0.71	m_e	mb	5.7
RUE	72.52		sP	07:24:46.631						T__				m_e		
SCHI	73.08		P	07:24:32.938	-0.0	87.5		5.79		TAS		80.4	1.31	m_e	mb	5.7
TANN	73.38		P	07:24:34.196	0.0	87.5		5.79		TAS		17.6	1.24	m_e	mb	5.0
TNS	75.96		P	07:24:49.171	-0.2	87.5		5.79		TAS		10.2	0.90	m_e	mb	5.0
UBR	75.07		P	07:24:43.630	0.1	87.5		5.79		TAS		18.9	0.96	m_e	mb	5.1

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WET	73.15	P	07:24:32.941	0.2	87.5	5.79	TAS	21.8	1.08	m_e	mb	5.2
WLF	77.49	P	07:24:58.243		87.5	5.79	TAS	22.9	1.34	m_e	mb	5.1

Event 20903001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/02	23:56:49.07			44.2870	148.9020				33.0			27		74.42	81.39	m i ke	BGR
OrigID 20903007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20903007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.77		P	00:08:52.586	-0.2	29.4		5.47		TAS		23.9	1.15	m_e	mb	5.0
ASSE	77.31		P	00:08:39.358	-0.0	29.4		5.47		TAS		34.8	1.20	m_e	mb	5.4
BFO	81.37		P	00:09:01.344	-0.3	29.4		5.47		TAS		24.3	0.92	m_e	mb	5.2
BRG	77.37		P	00:08:39.527	-0.1	29.4		5.47		TAS		29.2	1.19	m_e	mb	5.3
BSEG	75.84		P	00:08:31.359	0.1	29.4		5.47		TAS		47.6	0.98	m_e	mb	5.6
BUG	78.91		P	00:08:47.899	-0.2	29.4		5.47		TAS		18.7	0.86	m_e	mb	5.1
CLL	77.30		P	00:08:38.965	-0.4	29.4		5.47		TAS		105.4	1.20	m_e	mb	5.8
CLZ	77.65		P	00:08:41.658	0.4	29.4		5.47		TAS		71.8	1.23	m_e	mb	5.7
FLT1	76.97		P	00:08:37.071	-0.4	29.4		5.47		TAS		52.2	0.99	m_e	mb	5.6
FUR	80.58		P	00:08:57.355	0.1	29.4		5.47		TAS		64.1	1.08	m_e	mb	5.6
GEC2	79.19		P	00:08:49.591	-0.0	29.4		5.47		TAS		12.0	0.74	m_e	mb	5.0
GOR1	76.37		P	00:08:34.759	0.5	29.4		5.47		TAS		87.5	1.21	m_e	mb	5.8
GRA1	79.27		P	00:08:50.340	0.2	29.4		5.47		TAS		33.5	0.83	m_e	mb	5.4
GTTG	78.04		P	00:08:43.832	0.5	29.4		5.47		TAS		32.9	0.97	m_e	mb	5.4
IBBN	78.01		P	00:08:42.813	-0.3	29.4		5.47		TAS		28.2	0.80	m_e	mb	5.5
KAST	78.80		P	00:08:47.805	0.3	29.4		5.47		TAS		12.9	0.85	m_e	mb	5.0
MOX	78.31		P	00:08:44.809	-0.1	29.4		5.47		TAS		13.0	0.79	m_e	mb	5.1
NEUB	77.79		P	00:08:41.733	-0.3	29.4		5.47		TAS		74.4	1.18	m_e	mb	5.7
PLN	78.28		P	00:08:44.719	0.0	29.4		5.47		TAS		4.3	0.85	m_e	mb	4.6
RGN	74.42		P	00:08:23.402	-0.1	29.4		5.47		TAS		236.3	1.21	m_e	mb	6.1
RUE	76.05		P	00:08:32.398	-0.1	29.4		5.47		TAS		68.3	0.96	m_e	mb	5.8
SCHI	75.60		P	00:08:29.917	-0.1	29.4		5.47		TAS		160.7	1.17	m_e	mb	6.0
STU	80.71		P	00:08:58.202	0.2	29.4		5.47		TAS		55.5	0.85	m_e	mb	5.6
TANN	78.24		P	00:08:44.408	-0.1	29.4		5.47		TAS		9.9	0.92	m_e	mb	4.9
TNS	79.66		P	00:08:52.360	0.2	29.4		5.47		TAS		12.7	0.78	m_e	mb	4.9
UBR	81.39		P	00:09:01.361	-0.3	29.4		5.47		TAS		11.2	0.74	m_e	mb	5.1
WET	79.20		P	00:08:50.178	0.5	29.4		5.47		TAS		22.8	0.89	m_e	mb	5.2

Event 20903002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/09/03 04:13:10.00 2.38 0.46 35.0970 26.3460 35.6 33.4 162 8.8 27 345 16.61 21.93 m i ke USGS
 20903020

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 20903008
 Ms 4.6 BGR 20903008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.83		P	04:17:52.831	-1.4	137.1		10.92		TAS		209.8	1.37	m_e	mb 5.3
ASSE	20.37		P	04:17:46.955	2.2	137.1		10.92		TAS		128.0	1.32	m_e	mb 5.0
BFO	18.79		P	04:17:32.513	0.4	137.1		10.92		TAS		76.7	1.33	m_e	mb 4.8
BRG	18.14		P	04:17:22.454	-0.7	137.1		10.92		TAS		107.0	1.55	m_e	mb 4.7
BSEG	21.93		P	04:18:03.398		137.1		10.92		TAS		103.1	1.21	m_e	mb 5.1
BUG	21.33		P	04:17:58.006	0.1	137.1		10.92		TAS		146.6	1.28	m_e	mb 5.2
CLL	18.84		P	04:17:31.067	0.2	137.1		10.92		TAS		141.5	1.38	m_e	mb 5.0
CLZ	20.28		P	04:17:46.193	-0.3	137.1		10.92		TAS		122.2	1.23	m_e	mb 5.0
FLT1	20.32		P	04:17:46.162	-0.6	137.1		10.92		TAS		136.9	1.23	m_e	mb 5.0
FUR	17.20		P	04:17:13.795		137.1		10.92		TAS		263.6	1.62	m_e	mb 5.1
GEC2	16.61		P	04:17:04.793	-2.1	137.1		10.92		TAS		255.0	1.78	m_e	mb 5.1
GOR1	20.81		P	04:17:50.929	0.8	137.1		10.92		TAS		201.0	1.46	m_e	mb 5.2
GRA1	18.31		P	04:17:25.671	0.4	137.1		10.92		TAS		197.0	1.29	m_e	mb 5.1
GRA1	18.31		L	04:24:55.020						T__		3110.5	21.70	a_e	Ms 4.5
GTTG	20.22		P	04:17:46.365	-0.5	137.1		10.92		TAS		393.3	1.18	m_e	mb 5.5
IBBN	21.71		P	04:18:01.708		137.1		10.92		TAS		182.6	1.30	m_e	mb 5.3
KAST	20.64		P	04:17:50.655	-0.4	137.1		10.92		TAS		115.3	1.28	m_e	mb 5.0
MOX	18.86		P	04:17:31.551	2.6	137.1		10.92		TAS		182.6	1.64	m_e	mb 5.0
MOX	18.86		L	04:26:32.438						T__		3511.1	20.30	a_e	Ms 4.7
NEUB	19.22		P	04:17:35.346	1.9	137.1		10.92		TAS		161.9	1.40	m_e	mb 5.1
PLN	18.51		P	04:17:27.884	1.3	137.1		10.92		TAS		103.6	1.66	m_e	mb 4.8
RUE	19.54		P	04:17:37.958	-0.4	137.1		10.92		TAS		200.0	1.19	m_e	mb 5.2
SCHI	20.57		P	04:17:49.444	-0.6	137.1		10.92		TAS		427.0	1.48	m_e	mb 5.6
STU	18.63		P	04:17:30.056	0.9	137.1		10.92		TAS		158.1	0.80	m_e	mb 5.3
TANN	18.34		P	04:17:24.835	-0.1	137.1		10.92		TAS		158.0	1.38	m_e	mb 5.0
TNS	19.96		P	04:17:43.280	0.0	137.1		10.92		TAS		124.1	1.11	m_e	mb 5.0
UBR	17.46		P	04:17:15.475	0.2	137.1		10.92		TAS		66.3	0.92	m_e	mb 4.8
WET	17.18		P	04:17:11.485	-1.8	137.1		10.92		TAS		257.5	1.67	m_e	mb 5.1
WLF	20.74		P	04:17:52.082	-0.2	137.1		10.92		TAS		84.3	0.97	m_e	mb 5.0

Event 20904001 Central Mid-Atlantic Ridge

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 2022/09/04 09:42:16.87 -1.3900 -20.8400 10.0 27 55.65 62.48 m i ke BGR
 20904007

Magnitude Err Nsta Author OrigID

mb	5.7	BGR	20904007
Ms	6.2	BGR	20904007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	56.99		P	09:52:03.493	0.6	218.3		6.95		TAS		60.5	0.78	a_e	mb 5.7
BFO	55.65		P	09:51:53.343	-0.4	218.3		6.95		TAS		106.7	0.98	a_e	mb 5.8
BRG	59.92		P	09:52:23.243	-0.1	218.3		6.95		TAS		41.6	1.26	a_e	mb 5.3
BSEG	60.92		P	09:52:29.993	-0.2	218.3		6.95		TAS		83.8	0.81	a_e	mb 5.6
BUG	57.81		P	09:52:08.743	0.2	218.3		6.95		TAS		61.9	1.01	a_e	mb 5.6
CLL	59.86		P	09:52:23.093	0.1	218.3		6.95		TAS		39.7	1.06	a_e	mb 5.4
CLZ	59.26		P	09:52:18.843	0.1	218.3		6.95		TAS		29.7	1.22	a_e	mb 5.2
FLT1	59.97		P	09:52:23.793	0.0	218.3		6.95		TAS		55.9	1.00	a_e	mb 5.5
FUR	56.73		P	09:52:01.143	0.1	218.3		6.95		TAS		223.2	1.05	a_e	mb 6.1
GEC2	58.30		P	09:52:12.143	0.3	218.3		6.95		TAS		62.4	0.99	a_e	mb 5.6
GOR1	60.52		P	09:52:28.443	0.9	218.3		6.95		TAS		314.7	1.72	a_e	mb 6.1
GRA1	57.89		P	09:52:09.093	-0.2	218.3		6.95		TAS		101.7	1.05	a_e	mb 5.8
GRA1	57.89		L	10:21:10.051						T__		21775.2	18.00	a_e	Ms 6.3
GTTG	58.87		P	09:52:16.189	0.1	218.3		6.95		TAS		50.9	1.01	m_e	mb 5.5
IBBN	58.70		P	09:52:14.561	-0.1	218.3		6.95		TAS				m_e	
KAST	58.02		P	09:52:10.243	0.1	218.3		6.95		TAS		23.9	0.84	a_e	mb 5.2
MOX	58.79		P	09:52:15.743	0.2	218.3		6.95		TAS		89.5	1.02	a_e	mb 5.7
MOX	58.79		L	10:18:09.739						T__		16189.1	18.60	a_e	Ms 6.2
NEUB	59.28		P	09:52:19.143	0.1	218.3		6.95		TAS		103.3	0.93	a_e	mb 5.8
PLN	58.89		P	09:52:16.143	-0.1	218.3		6.95		TAS		21.5	0.95	a_e	mb 5.2
RGN	62.48		P	09:52:40.243	-1.0	218.3		6.95		TAS		155.7	1.17	a_e	mb 6.1
RUE	61.07		P	09:52:31.543	0.1	218.3		6.95		TAS		103.9	1.02	a_e	mb 5.6
SCHI	61.37		P	09:52:33.493	0.0	218.3		6.95		TAS		89.1	0.99	a_e	mb 5.5
STU	56.35		P	09:51:57.943	-0.6	218.3		6.95		TAS		187.7	0.96	a_e	mb 6.1
TANN	58.96		P	09:52:16.693	0.0	218.3		6.95		TAS		75.7	1.00	a_e	mb 5.7
TNS	57.23		P	09:52:04.693	0.0	218.3		6.95		TAS		95.8	1.11	a_e	mb 5.7
UBR	55.86		P	09:51:54.993	-0.1	218.3		6.95		TAS		147.4	1.00	m_e	mb 6.0
WET	58.17		P	09:52:11.143	0.1	218.3		6.95		TAS		114.0	1.01	a_e	mb 5.8
WLF	55.93		P	09:51:55.393	-0.2	218.3		6.95		TAS		53.4	1.02	a_e	mb 5.5

Event 20905001 Sichuan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/05	04:52:22.19			29.7700	101.8100				10.0			12		65.44	71.30	m i ke	BGR
20905007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	20905007
MBB	6.7		BGR	20905007
Ms	6.7		BGR	20905007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	70.41	P	05:03:36.724	-0.0	69.7	6.24	TAS	223.3	1.51	a_e	MBB	6.5
ASSE	67.72	P	05:03:19.774	-0.2	69.7	6.24	TAS	390.7	1.95	a_e	MBB	6.7
BFO	70.53	S	05:12:51.829		67.8	11.75	TAS			m_e		
BFO	70.53	P	05:03:37.024	-0.4	69.7	6.24	TAS	304.5	1.59	a_e	MBB	6.5
BRG	66.21	S	05:12:00.926	0.3	67.8	11.75	TAS			m_e		
BRG	66.21	P	05:03:10.324	-0.2	69.7	6.24	TAS	214.7	1.48	a_e	MBB	6.7
BSEG	67.31	S	05:12:13.456	0.9	67.8	11.75	TAS			m_e		
BSEG	67.31	P	05:03:17.824	0.6	69.7	6.24	TAS	573.6	1.65	a_e	MBB	6.9
BUG	69.94	S	05:12:45.564		67.8	11.75	TAS			m_e		
BUG	69.94	P	05:03:33.724	-0.1	69.7	6.24	TAS	536.7	2.02	a_e	MBB	6.6
CLL	66.64	S	05:12:06.408	-0.1	67.8	11.75	TAS			m_e		
CLL	66.64	P	05:03:12.674	-0.5	69.7	6.24	TAS	249.7	1.55	m_e	MBB	6.6
CLZ	68.00	S	05:12:23.637		67.8	11.75	TAS			m_e		
CLZ	68.00	P	05:03:21.924	0.2	69.7	6.24	TAS	387.9	1.59	a_e	MBB	6.7
FLT1	67.33	P	05:03:16.824	-0.7	69.7	6.24	TAS	279.2	1.64	a_e	MBB	6.6
FUR	68.77	S	05:12:33.034		67.8	11.75	TAS			m_e		
FUR	68.77	P	05:03:26.974	0.6	69.7	6.24	TAS	1703.8	2.04	a_e	MBB	7.0
GEC2	67.02	S	05:12:12.673	1.0	67.8	11.75	TAS			m_e		
GEC2	67.02	P	05:03:15.724	0.3	69.7	6.24	TAS	239.0	1.49	a_e	MBB	6.6
GOR1	67.07	P	05:03:16.124	0.3	69.7	6.24	TAS	626.8	1.69	a_e	MBB	6.9
GRA1	68.25	S	05:12:27.552		67.8	11.75	TAS			m_e		
GRA1	68.25	P	05:03:23.724	0.4	69.7	6.24	TAS	549.1	1.72	a_e	MBB	6.8
GRA1	68.25	L	05:35:53.381				T__	44067.8	20.90	a_e	Ms	6.7
GTTG	68.34	P	05:03:23.974	0.1	69.7	6.24	TAS	345.5	1.67	a_e	MBB	6.7
IBBN	69.33	P	05:03:30.024	0.1	69.7	6.24	TAS	657.9	1.97	a_e	MBB	6.8
KAST	69.37	P	05:03:30.324	0.1	69.7	6.24	TAS	211.9	1.77	a_e	MBB	6.6
MOX	67.68	S	05:12:19.721	-1.6	67.8	11.75	TAS			m_e		
MOX	67.68	P	05:03:19.724	-0.0	69.7	6.24	TAS	323.8	1.78	a_e	MBB	6.6
MOX	67.68	L	05:34:48.799				T__	42199.7	19.30	a_e	Ms	6.7
NEUB	67.40	P	05:03:17.724	-0.3	69.7	6.24	TAS	447.2	1.60	a_e	MBB	6.8
PLN	67.41	P	05:03:18.024	-0.0	69.7	6.24	TAS	123.8	1.78	a_e	MBB	6.2
RGN	65.44	P	05:03:05.674	0.1	69.7	6.24	TAS	263.7	1.13	a_e	MBB	7.0
RUE	65.81	P	05:03:07.724	-0.3	69.7	6.24	TAS	768.0	1.82	a_e	MBB	6.9
STU	69.83	S	05:12:45.564		67.8	11.75	TAS			m_e		
STU	69.83	P	05:03:32.974	-0.1	69.7	6.24	TAS	692.1	1.50	a_e	MBB	7.0
TANN	67.25	P	05:03:17.024	-0.0	69.7	6.24	TAS	242.6	1.60	a_e	MBB	6.6
TNS	69.72	P	05:03:32.374	-0.1	69.7	6.24	TAS	179.1	1.56	a_e	MBB	6.5
UBR	69.68	P	05:03:31.824	-0.2	69.7	6.24	TAS	208.8	1.52	a_e	MBB	6.5
WET	67.43	S	05:12:18.155	0.1	67.8	11.75	TAS			m_e		
WET	67.43	P	05:03:18.424	0.3	69.7	6.24	TAS	287.0	1.56	a_e	MBB	6.7
WLF	71.30	P	05:03:42.524	0.1	69.7	6.24	TAS	372.0	1.30	a_e	MBB	6.8

Event 20906001 Near coast of Nicaragua

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/06	07:35:34.00		12.9380	-87.3590				10.0						85.70	85.70	m i ke	USGS

20906019

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20906007
Ms	4.7		BGR	20906007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.70		P	07:48:12.592		284.8		5.41		TAS		10.5	1.18	m_e	mb 4.8
GRA1	85.70		L	08:23:14.327						T__		332.6	20.70	a_e	Ms 4.7
MOX	85.70		L	08:27:13.349						T__		238.7	18.20	a_e	Ms 4.6

Event 20906002 South Sandwich Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/06	08:32:41.00			-56.5970	-25.7750				17.4			26		108.18	115.31	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	20906008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	110.22		SP	09:01:16.783	2.1	201.7		9.96		TAS				m_e	
AHRW	110.22		SS	09:07:25.960	1.2	200.0		14.05		TAS				a_e	
AHRW	110.22		PP	08:52:00.499	0.3	200.8		7.12		TAS				a_e	
ASSE	112.47		SP	09:01:35.457	-2.3	201.7		9.96		TAS				a_e	
ASSE	112.47		SS	09:07:57.410	1.6	200.0		14.05		TAS				a_e	
ASSE	112.47		PP	08:52:17.999	-0.2	200.8		7.12		TAS				a_e	
BFO	108.39		SP	09:00:54.905	-0.9	201.7		9.96		TAS				m_e	
BFO	108.39		SS	09:06:56.910	-1.6	200.0		14.05		TAS				a_e	
BRG	112.06		SP	09:01:32.007	-0.0	201.7		9.96		TAS				a_e	
BRG	112.06		SS	09:07:50.460	0.9	200.0		14.05		TAS				a_e	
BRG	112.06		PP	08:52:12.599	-0.0	200.8		7.12		TAS				a_e	
BSEG	114.09		SP	09:01:50.257		201.7		9.96		TAS				a_e	
BSEG	114.09		SS	09:08:14.545	-4.3	200.0		14.05		TAS				m_e	
BSEG	114.09		PP	08:52:27.199	-0.4	200.8		7.12		TAS				a_e	
BUG	111.11		SP	09:01:26.207	2.7	201.7		9.96		TAS				a_e	
BUG	111.11		SS	09:07:38.760	1.4	200.0		14.05		TAS				a_e	
BUG	111.11		PP	08:52:06.299	0.2	200.8		7.12		TAS				a_e	
CLL	112.24		SP	09:01:33.257	-1.1	201.7		9.96		TAS				a_e	
CLL	112.24		SS	09:07:53.610	1.5	200.0		14.05		TAS				a_e	
CLL	112.24		PP	08:52:14.249	0.1	200.8		7.12		TAS				a_e	
CLZ	112.14		SP	09:01:33.157	-1.1	201.7		9.96		TAS				m_e	
CLZ	112.14		SS	09:07:52.960	1.8	200.0		14.05		TAS				a_e	
FLT1	112.79		SP	09:01:37.357	-2.1	201.7		9.96		TAS				a_e	
FLT1	112.79		SS	09:08:01.110	0.9	200.0		14.05		TAS				a_e	
FUR	108.90		SS	09:07:02.810	-2.4	200.0		14.05		TAS				a_e	

FUR	108.90	PP	08:51:49.749		200.8	7.12	TAS					m_e
GEC2	110.12	SP	09:01:14.707	2.4	201.7	9.96	TAS					a_e
GEC2	110.12	SS	09:07:21.760	-0.5	200.0	14.05	TAS					a_e
GEC2	110.12	PP	08:51:59.249		200.8	7.12	TAS					a_e
GRA1	110.32	SP	09:01:17.255	3.3	201.7	9.96	TAS					m_e
GRA1	110.32	SS	09:07:24.860	-0.4	200.0	14.05	TAS					a_e
GRA1	110.32	PP	08:52:00.399		200.8	7.12	TAS					a_e
GRA1	110.32	L	09:34:15.393				T__	1428.0	19.90	a_e	Ms	5.5
GTTG	111.78	SP	09:01:30.957	-0.2	201.7	9.96	TAS					a_e
GTTG	111.78	SS	09:07:47.460	1.4	200.0	14.05	TAS					a_e
GTTG	111.78	PP	08:52:11.249	0.4	200.8	7.12	TAS					a_e
HLG	113.83	SS	09:08:13.110	-2.7	200.0	14.05	TAS					a_e
IBBN	112.03	SP	09:01:33.057	-0.7	201.7	9.96	TAS					a_e
IBBN	112.03	SS	09:07:51.560	1.3	200.0	14.05	TAS					a_e
IBBN	112.03	PP	08:52:12.149	-0.2	200.8	7.12	TAS					m_e
KAST	111.12	SP	09:01:25.707	1.4	201.7	9.96	TAS					a_e
KAST	111.12	SS	09:07:37.310	0.1	200.0	14.05	TAS					a_e
MOX	111.30	SP	09:01:26.707	1.4	201.7	9.96	TAS					a_e
MOX	111.30	SS	09:07:39.210	0.2	200.0	14.05	TAS					a_e
MOX	111.30	PP	08:52:06.799	-0.0	200.8	7.12	TAS					a_e
MOX	111.30	L	09:35:05.364				T__	1121.1	20.60	a_e	Ms	5.4
NEUB	111.85	SP	09:01:30.157	1.0	201.7	9.96	TAS					a_e
NEUB	111.85	SS	09:07:47.110	0.3	200.0	14.05	TAS					a_e
PLN	111.28	SP	09:01:26.157	2.0	201.7	9.96	TAS					a_e
PLN	111.28	SS	09:07:38.110	-0.6	200.0	14.05	TAS					a_e
PLN	111.28	PP	08:52:07.449	0.1	200.8	7.12	TAS					a_e
RGN	115.31	PP	08:52:35.899	-0.1	200.8	7.12	TAS					a_e
RUE	113.50	SP	09:01:44.907	-2.3	201.7	9.96	TAS					a_e
RUE	113.50	SS	09:08:10.060	0.1	200.0	14.05	TAS					a_e
RUE	113.50	PP	08:52:22.699	0.3	200.8	7.12	TAS					a_e
STU	109.00	SP	09:00:58.433	-1.9	201.7	9.96	TAS					m_e
STU	109.00	SS	09:07:06.060	-0.8	200.0	14.05	TAS					a_e
STU	109.00	PP	08:51:51.199		200.8	7.12	TAS					a_e
TANN	111.28	SP	09:01:26.807	1.8	201.7	9.96	TAS					a_e
TANN	111.28	SS	09:07:38.960	0.3	200.0	14.05	TAS					a_e
TANN	111.28	PP	08:52:07.349	-0.5	200.8	7.12	TAS					a_e
TNS	110.20	SP	09:01:10.197	2.8	201.7	9.96	TAS					m_e
TNS	110.20	SS	09:07:24.010	-0.1	200.0	14.05	TAS					a_e
TNS	110.20	PP	08:51:58.999		200.8	7.12	TAS					a_e
UBR	108.18	SP	09:00:51.357	-2.5	201.7	9.96	TAS					a_e
UBR	108.18	SS	09:06:55.260	0.2	200.0	14.05	TAS					a_e
WET	110.20	SP	09:01:16.557	-3.6	201.7	9.96	TAS					a_e
WET	110.20	SS	09:07:23.110	-0.3	200.0	14.05	TAS					m_e
WET	110.20	PP	08:51:59.499		200.8	7.12	TAS					a_e
WLF	109.20	SP	09:01:01.962	1.1	201.7	9.96	TAS					m_e
WLF	109.20	SS	09:07:11.110	0.6	200.0	14.05	TAS					a_e
WLF	109.20	PP	08:51:53.349		200.8	7.12	TAS					a_e

Event 20906003 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/06	14:29:56.00			32.3250	142.4490				10.0			6		84.55	86.78	m i ke	USGS
OrigID 20906021																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20906009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	85.45		P	14:42:35.340		39.6		4.94		TAS		2.8	0.79	m_e	mb	4.5
BSEG	84.55		P	14:42:31.261	-0.5	39.6		4.94		TAS		11.7	1.04	m_e	mb	5.0
CLL	85.51		P	14:42:35.152		39.6		4.94		TAS		12.2	0.96	m_e	mb	5.0
CLZ	86.15		P	14:42:39.261		39.6		4.94		TAS		36.5	1.63	m_e	mb	5.2
FLT1	85.44		P	14:42:34.768		39.6		4.94		TAS		12.3	1.04	m_e	mb	5.0
IBBN	86.78		P	14:42:41.870		39.6		4.94		TAS		9.7	0.70	m_e	mb	5.0
MOX	86.58		P	14:42:40.850		39.6		4.94		TAS		12.3	1.48	m_e	mb	4.8
NEUB	86.10		P	14:42:38.181		39.6		4.94		TAS		17.5	1.20	m_e	mb	5.1

Event 20907002 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/07	18:10:40.40			-3.2870	101.1270				51.2	2.7		35		89.43	95.73	m i ke	BGR
OrigID 20907008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	20907008
Ms	4.6		BGR	20907008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	95.12		P	18:22:56.483		91.7		4.50		TAS		11.8	0.93	a_e	mb	5.3
ARSA	89.43		P	18:22:30.414	0.0	91.7		4.50		TAS		47.1	0.93	m_e	mb	5.7
ASSE	92.87		P	18:22:45.983	0.1	91.7		4.50		TAS		25.2	1.06	a_e	mb	5.6
BFO	94.32		P	18:22:52.333		91.7		4.50		TAS		15.1	1.04	a_e	mb	5.3
BFO	94.32		pP	18:23:07.897		90.6		4.50		TAS				m_e		
BIOA	90.74		P	18:22:36.086	-0.3	91.7		4.50		TAS		23.8	0.84	m_e	mb	5.5
BRG	90.77		P	18:22:36.783	0.3	91.7		4.50		TAS		43.1	1.00	m_e	mb	5.7
BSEG	93.12		P	18:22:47.283	-0.1	91.7		4.50		TAS		27.2	1.09	a_e	mb	5.6
BUG	94.98		P	18:22:55.533		91.7		4.50		TAS		14.6	1.04	a_e	mb	5.3
CLL	91.39		P	18:22:39.133	-0.3	91.7		4.50		TAS		28.0	1.07	a_e	mb	5.5
CLZ	93.04		P	18:22:47.033	0.1	91.7		4.50		TAS		20.6	0.93	a_e	mb	5.5
FETA	92.68		P	18:22:45.351	-0.0	91.7		4.50		TAS		24.2	0.97	m_e	mb	5.6
FLT1	92.53		P	18:22:43.783	-0.1	91.7		4.50		TAS		10.8	0.93	m_e	mb	5.3
FUR	92.35		P	18:22:43.433	0.5	91.7		4.50		TAS		33.8	0.97	a_e	mb	5.6

GEC2	90.78	P	18:22:36.883	0.3	91.7	4.50	TAS	58.2	1.10	a_e	mb	5.8
GEC2	90.78	pP	18:22:51.670	0.1	90.6	4.50	TAS			m_e		
GOR1	92.51	P	18:22:44.383	0.1	91.7	4.50	TAS	39.2	1.30	a_e	mb	5.6
GRA1	92.45	P	18:22:44.683	-0.8	91.7	4.50	TAS	33.4	0.96	a_e	mb	5.6
GRA1	92.45	pP	18:22:59.347		90.6	4.50	TAS			m_e		
GRA1	92.45	L	19:13:59.132				T__	195.4	20.90	a_e	Ms	4.5
GTTG	93.29	P	18:22:48.083	-0.1	91.7	4.50	TAS	24.4	0.95	a_e	mb	5.6
IBBN	94.66	P	18:22:54.133		91.7	4.50	TAS	24.2	0.91	a_e	mb	5.6
KAST	94.26	P	18:22:52.533	0.3	91.7	4.50	TAS	20.4	1.07	a_e	mb	5.4
KBA	90.90	P	18:22:36.656	-0.4	91.7	4.50	TAS	29.7	1.13	m_e	mb	5.5
LESA	91.38	P	18:22:38.918	0.0	91.7	4.50	TAS	23.7	0.76	m_e	mb	5.6
MOA	90.33	P	18:22:34.077	-0.4	91.7	4.50	TAS	20.5	0.86	m_e	mb	5.4
MOX	92.23	P	18:22:43.383	0.1	91.7	4.50	TAS	44.5	1.41	a_e	mb	5.6
MOX	92.23	pP	18:22:58.260		90.6	4.50	TAS			m_e		
MOX	92.23	L	19:11:21.860				T__	228.8	20.50	a_e	Ms	4.6
NEUB	92.15	P	18:22:42.833	-0.3	91.7	4.50	TAS	63.4	1.02	a_e	mb	5.9
OBKA	90.03	P	18:22:33.476	0.3	91.7	4.50	TAS	71.8	1.32	m_e	mb	5.7
PLN	91.88	P	18:22:41.733	0.0	91.7	4.50	TAS	7.4	1.04	a_e	mb	5.0
PLN	91.88	pP	18:22:56.362		90.6	4.50	TAS			m_e		
RETA	92.68	P	18:22:45.377	0.1	91.7	4.50	TAS	29.7	0.77	m_e	mb	5.8
RUE	90.98	P	18:22:37.683	0.2	91.7	4.50	TAS	85.2	1.02	a_e	mb	6.0
RUE	90.98	pP	18:22:52.438	0.3	90.6	4.50	TAS			m_e		
SCHI	91.60	P	18:22:40.383	0.2	91.7	4.50	TAS	70.0	1.07	a_e	mb	5.9
SQTA	92.36	P	18:22:43.809	-0.1	91.7	4.50	TAS	28.3	0.70	m_e	mb	5.7
STU	93.75	P	18:22:49.933	0.2	91.7	4.50	TAS	33.8	0.81	a_e	mb	5.7
TANN	91.68	P	18:22:40.883	0.2	91.7	4.50	TAS	25.5	1.21	a_e	mb	5.4
UBR	93.12	P	18:22:47.360	0.1	91.7	4.50	TAS	19.6	0.87	m_e	mb	5.5
WET	91.34	P	18:22:39.433	0.3	91.7	4.50	TAS	48.8	1.04	a_e	mb	5.8
WET	91.34	pP	18:22:54.708	-0.3	90.6	4.50	TAS			m_e		
WLF	95.73	P	18:22:59.383		91.7	4.50	TAS	24.2	1.17	a_e	mb	5.6

Event 20908001 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/08	04:01:02.11	2.29	0.56	67.4520	-16.6940	47.8	36.7	22	10.0			29	347	18.67	25.59	m i ke	BGR
20908007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	20908007
Ms	4.5		BGR	20908007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	20.65		S	04:09:41.621	0.4	329.2		18.49		TAS				m_e		
AHRW	20.65		P	04:05:40.808	0.7	332.3		10.28		TAS				m_e		
ASSE	20.32		S	04:09:30.293	3.3	329.2		18.49		TAS				m_e		
ASSE	20.32		P	04:05:38.382	-0.7	332.3		10.28		TAS		53.1	1.31	m_e	mb	4.6

BFO	22.99	S	04:10:19.767	-1.2	329.2	18.49	TAS			m_e		
BFO	22.99	P	04:06:05.804	0.2	332.3	10.28	TAS	23.9	1.07	m_e mb	4.7	
BIOA	25.13	P	04:06:27.129		332.3	10.28	TAS			m_e		
BRG	22.44	S	04:10:15.383	-1.7	329.2	18.49	TAS			m_e		
BRG	22.44	P	04:06:00.545	0.4	332.3	10.28	TAS			m_e		
BSEG	18.67	P	04:05:19.783	-1.2	332.3	10.28	TAS	44.1	1.22	m_e mb	4.6	
BUG	19.90	P	04:05:32.468	-1.0	332.3	10.28	TAS	79.0	1.58	m_e mb	4.7	
CLL	21.77	S	04:10:02.069	1.4	329.2	18.49	TAS			m_e		
CLL	21.77	P	04:05:53.143	1.3	332.3	10.28	TAS	108.3	1.22	m_e mb	5.2	
CLZ	20.47	S	04:09:39.086	3.4	329.2	18.49	TAS			m_e		
CLZ	20.47	P	04:05:38.902	1.4	332.3	10.28	TAS	38.7	0.73	m_e mb	4.8	
DAVA	24.38	P	04:06:19.769	-0.8	332.3	10.28	TAS			m_e		
FLT1	20.32	S	04:09:32.773	4.3	329.2	18.49	TAS			m_e		
FLT1	20.32	P	04:05:37.137	0.1	332.3	10.28	TAS	56.2	1.16	m_e mb	4.7	
FUR	23.99	S	04:10:40.443		329.2	18.49	TAS			m_e		
FUR	23.99	P	04:06:16.976	-0.5	332.3	10.28	TAS	25.6	0.67	m_e mb	4.9	
GEC2	24.13	S	04:10:44.359		329.2	18.49	TAS			m_e		
GEC2	24.13	P	04:06:17.804	-1.1	332.3	10.28	TAS	24.7	1.07	m_e mb	4.7	
GOR1	19.78	P	04:05:32.391	-0.6	332.3	10.28	TAS	259.9	2.02	m_e mb	5.1	
GRA1	22.62	S	04:10:16.949	-1.2	329.2	18.49	TAS			m_e		
GRA1	22.62	P	04:06:02.606	0.7	332.3	10.28	TAS	64.1	1.43	m_e mb	5.0	
GRA1	22.62	L	04:14:44.792				T__	1532.1	21.50	a_e Ms	4.4	
GTTG	20.60	S	04:09:43.274	1.8	329.2	18.49	TAS			m_e		
GTTG	20.60	P	04:05:41.106	0.2	332.3	10.28	TAS	87.9	1.03	m_e mb	5.0	
IBBN	19.27	S	04:09:05.387	2.8	329.2	18.49	TAS			m_e		
IBBN	19.27	P	04:05:25.818	-0.7	332.3	10.28	TAS	29.7	1.05	m_e mb	4.5	
KAST	20.44	S	04:09:38.575	4.8	329.2	18.49	TAS			m_e		
KAST	20.44	P	04:05:38.102	0.2	332.3	10.28	TAS	37.9	1.02	m_e mb	4.6	
KBA	25.59	P	04:06:32.286		332.3	10.28	TAS			m_e		
MOTA	24.68	P	04:06:22.532		332.3	10.28	TAS			m_e		
MOX	21.90	S	04:10:04.419	-0.1	329.2	18.49	TAS			m_e		
MOX	21.90	P	04:05:53.775	0.6	332.3	10.28	TAS	67.5	1.18	m_e mb	5.0	
MOX	21.90	L	04:15:38.619				T__	1793.5	18.00	a_e Ms	4.5	
NEUB	21.47	S	04:09:58.154	0.1	329.2	18.49	TAS			m_e		
NEUB	21.47	P	04:05:50.070	0.1	332.3	10.28	TAS	59.3	0.84	m_e mb	5.0	
PLN	22.21	S	04:10:09.117	-1.7	329.2	18.49	TAS			m_e		
PLN	22.21	P	04:05:57.557	0.7	332.3	10.28	TAS	16.2	0.98	m_e mb	4.4	
RETA	24.45	P	04:06:20.348		332.3	10.28	TAS			m_e		
RUE	21.03	S	04:09:51.888	0.2	329.2	18.49	TAS			m_e		
STU	22.84	S	04:10:16.978	-0.6	329.2	18.49	TAS			m_e		
STU	22.84	P	04:06:04.511	-0.5	332.3	10.28	TAS	100.1	1.16	m_e mb	5.2	
TANN	22.36	S	04:10:13.033	-0.1	329.2	18.49	TAS			m_e		
TANN	22.36	P	04:05:59.230	1.0	332.3	10.28	TAS	26.2	1.12	m_e mb	4.6	
UBR	24.09	S	04:10:41.226		329.2	18.49	TAS			m_e		
UBR	24.09	P	04:06:16.396	-0.8	332.3	10.28	TAS	27.8	1.05	m_e mb	4.7	
WET	23.61	S	04:10:34.178		329.2	18.49	TAS			m_e		
WET	23.61	P	04:06:12.703	0.1	332.3	10.28	TAS	36.7	1.18	m_e mb	4.8	
WLF	21.18	S	04:09:47.929	-0.9	329.2	18.49	TAS			m_e		
WLF	21.18	P	04:05:46.576	-0.0	332.3	10.28	TAS	24.7	1.15	m_e mb	4.4	

Event 20908002 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/08	04:49:20.79		67.1720	-17.8120				10.0						22.09	22.79	m i ke	BGR
OrigID 20908008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	20908008
Ms	4.0		BGR	20908008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	22.79		P	04:54:23.172		328.9		9.24		TAS		10.1	1.05	m_e mb	4.3
GRA1	22.79		L	05:04:47.805						T__		575.2	18.10	a_e Ms	4.0
MOX	22.09		L	05:03:59.172						T__		415.3	18.40	a_e Ms	3.9

Event 20908003 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/09/08	05:07:45.03		67.1730	-16.7290				10.0						20	18.53	25.43	m i ke	BGR
OrigID 20908009																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	20908009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	20.17		P	05:12:18.175	-0.2	331.5		10.51		TAS		60.2	1.85	m_e mb	4.5
BFO	22.81		P	05:12:46.106		331.5		10.51		TAS		38.3	1.82	m_e mb	4.6
BRG	22.31		P	05:12:41.445		331.5		10.51		TAS		15.2	1.12	m_e mb	4.3
BSEG	18.53		P	05:12:01.865	0.4	331.5		10.51		TAS		23.5	1.24	m_e mb	4.3
BUG	19.72		P	05:12:14.162	0.3	331.5		10.51		TAS		22.6	1.01	m_e mb	4.3
CLL	21.63		P	05:12:33.765	0.9	331.5		10.51		TAS		19.6	1.06	m_e mb	4.5
CLZ	20.32		P	05:12:20.502	0.1	331.5		10.51		TAS		16.8	0.84	m_e mb	4.3
FETA	24.69		P	05:13:05.167		331.5		10.51		TAS		10.9	1.48	m_e mb	4.4
FLT1	20.18		P	05:12:17.710	-0.4	331.5		10.51		TAS		29.7	1.44	m_e mb	4.3
GEC2	23.98		P	05:12:59.134		331.5		10.51		TAS		9.2	1.01	m_e mb	4.3
GRA1	22.46		P	05:12:45.273		331.5		10.51		TAS		20.3	1.19	m_e mb	4.4
GTTG	20.45		P	05:12:22.245		331.5		10.51		TAS		13.6	0.82	m_e mb	4.2
KAST	20.27		P	05:12:18.873	0.2	331.5		10.51		TAS		6.9	0.84	m_e mb	3.9
KBA	25.43		P	05:13:13.275		331.5		10.51		TAS		8.4	0.99	m_e mb	4.4
MOTA	24.51		P	05:13:05.121		331.5		10.51		TAS		9.0	1.13	m_e mb	4.4
MOX	21.75		P	05:12:35.161	-0.8	331.5		10.51		TAS		23.6	1.18	m_e mb	4.5
NEUB	21.32		P	05:12:31.051		331.5		10.51		TAS		23.3	0.98	m_e mb	4.5

PLN	22.06	P	05:12:38.185	0.6	331.5	10.51	TAS	5.2	1.04	m_e	mb	3.9
STU	22.66	P	05:12:44.550		331.5	10.51	TAS	25.0	0.70	m_e	mb	4.8
TANN	22.22	P	05:12:40.360	-0.9	331.5	10.51	TAS	13.8	1.31	m_e	mb	4.2
UBR	23.91	P	05:12:57.461		331.5	10.51	TAS	12.0	1.00	m_e	mb	4.4
WET	23.46	P	05:12:54.007		331.5	10.51	TAS	13.1	1.14	m_e	mb	4.4
WTTA	24.74	P	05:13:07.396		331.5	10.51	TAS	14.1	1.16	m_e	mb	4.6

Event 20908004 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/08	07:15:41.35			-15.7670	-171.5650			40.9		2.3		22		143.88	148.68	m i ke	BGR
	20908010																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.20		PKPbc	07:35:13.046	0.2	4.6		3.24		TAS				m_e	
AHRW	145.20		pPKPbc	07:35:25.992	-0.1	5.0		3.18		TAS				m_e	
BFO	147.43		PKPbc	07:35:20.224		4.6		3.24		TAS				m_e	
BFO	147.43		pPKPbc	07:35:32.127		5.0		3.18		TAS				m_e	
BRG	144.61		PKPbc	07:35:11.582	0.3	4.6		3.24		TAS				m_e	
BRG	144.61		pPKPbc	07:35:23.720	-0.2	5.0		3.18		TAS				m_e	
BUG	144.31		PKPbc	07:35:09.863	0.6	4.6		3.24		TAS				m_e	
BUG	144.31		pPKPbc	07:35:22.222	0.6	5.0		3.18		TAS				m_e	
CLL	144.26		PKPbc	07:35:09.411	0.7	4.6		3.24		TAS				m_e	
CLL	144.26		pPKPbc	07:35:22.132	0.3	5.0		3.18		TAS				m_e	
CLZ	143.88		PKPbc	07:35:09.060	-0.1	4.6		3.24		TAS				m_e	
CLZ	143.88		pPKPbc	07:35:20.970	-0.2	5.0		3.18		TAS				m_e	
DAVA	148.45		PKPbc	07:35:22.518		4.6		3.24		TAS				m_e	
FETA	148.68		PKPbc	07:35:23.172		4.6		3.24		TAS				m_e	
FUR	147.51		PKPbc	07:35:20.208		4.6		3.24		TAS				m_e	
FUR	147.51		pPKPbc	07:35:32.432		5.0		3.18		TAS				m_e	
GEC2	146.64		PKPbc	07:35:17.436		4.6		3.24		TAS				m_e	
GEC2	146.64		pPKPbc	07:35:29.814		5.0		3.18		TAS				m_e	
GRA1	145.99		PKPbc	07:35:16.027	-0.5	4.6		3.24		TAS				m_e	
GRA1	145.99		pPKPbc	07:35:28.049		5.0		3.18		TAS				m_e	
GTTG	144.19		PKPbc	07:35:09.196	0.3	4.6		3.24		TAS				m_e	
GTTG	144.19		pPKPbc	07:35:21.580	0.2	5.0		3.18		TAS				m_e	
KAST	144.56		PKPbc	07:35:11.041	-0.0	4.6		3.24		TAS				m_e	
KAST	144.56		pPKPbc	07:35:23.080	-0.0	5.0		3.18		TAS				m_e	
MOX	145.02		PKPbc	07:35:12.178	0.3	4.6		3.24		TAS				m_e	
MOX	145.02		pPKPbc	07:35:24.771	-0.3	5.0		3.18		TAS				m_e	
NEUB	144.46		PKPbc	07:35:10.472	0.4	4.6		3.24		TAS				m_e	
NEUB	144.46		pPKPbc	07:35:22.921	-0.1	5.0		3.18		TAS				m_e	
PLN	145.14		PKPbc	07:35:12.817	0.1	4.6		3.24		TAS				m_e	
PLN	145.14		pPKPbc	07:35:24.849	-0.1	5.0		3.18		TAS				m_e	

STU	146.98	PKPbc	07:35:18.810	4.6	3.24	TAS	m_e
STU	146.98	pPKPbc	07:35:30.757	5.0	3.18	TAS	m_e
TANN	145.19	PKPbc	07:35:13.171	-0.5	4.6	TAS	m_e
TANN	145.19	pPKPbc	07:35:25.372	5.0	3.18	TAS	m_e
UBR	148.05	PKPbc	07:35:21.934	4.6	3.24	TAS	m_e
UBR	148.05	pPKPbc	07:35:34.196	5.0	3.18	TAS	m_e
WET	146.42	PKPbc	07:35:17.120	4.6	3.24	TAS	m_e
WET	146.42	pPKPbc	07:35:29.059	5.0	3.18	TAS	m_e
WLF	146.04	PKPbc	07:35:16.574	-0.5	4.6	TAS	m_e
WLF	146.04	pPKPbc	07:35:28.922	5.0	3.18	TAS	m_e
WTTA	148.38	PKPbc	07:35:22.323	4.6	3.24	TAS	m_e

Event 20909002 Irian Jaya, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/09	23:31:47.00			-2.2490	138.1980				18.0			28		111.35	117.65	m i ke	USGS
OrigID 20909020																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.3		BGR	20909008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	116.67		PP	23:51:42.673	0.4	61.4		7.18		TAS					a_e
AHRW	116.67		SP	00:01:15.862	2.4	63.2		10.18		TAS					m_e
ASSE	113.92		PP	23:51:22.723	0.2	61.4		7.18		TAS					a_e
ASSE	113.92		SP	00:00:45.096	-1.2	63.2		10.18		TAS					a_e
BFO	117.14		PP	23:51:45.123	-0.4	61.4		7.18		TAS					a_e
BFO	117.14		SP	00:01:20.369	-1.2	63.2		10.18		TAS					m_e
BRG	112.72		PP	23:51:13.673	-0.1	61.4		7.18		TAS					a_e
BRG	112.72		SP	00:00:34.246	1.1	63.2		10.18		TAS					a_e
BSEG	113.19		PP	23:51:17.473	-0.1	61.4		7.18		TAS					a_e
BSEG	113.19		SP	00:00:38.996	-0.8	63.2		10.18		TAS					a_e
BUG	116.08		PP	23:51:38.073	-0.1	61.4		7.18		TAS					a_e
BUG	116.08		SP	00:01:07.146	-0.8	63.2		10.18		TAS					a_e
CLL	113.05		PP	23:51:16.123	0.0	61.4		7.18		TAS					a_e
CLL	113.05		SP	00:00:36.746	0.0	63.2		10.18		TAS					a_e
CLZ	114.23		PP	23:51:25.323	0.6	61.4		7.18		TAS					a_e
CLZ	114.23		SP	00:00:48.446	-0.9	63.2		10.18		TAS					m_e
FLT1	113.52		PP	23:51:19.623	-0.0	61.4		7.18		TAS					a_e
FLT1	113.52		SP	00:00:41.196	-1.0	63.2		10.18		TAS					a_e
FUR	115.51		PP	23:51:33.623	-0.2	61.4		7.18		TAS					a_e
FUR	115.51		SP	00:01:00.996	-0.6	63.2		10.18		TAS					a_e
GEC2	113.77		PP	23:51:21.423	0.2	61.4		7.18		TAS					a_e
GEC2	113.77		SP	00:00:44.546	1.3	63.2		10.18		TAS					a_e
GOR1	113.16		PP	23:51:17.273	0.2	61.4		7.18		TAS					a_e
GOR1	113.16		SP	00:00:38.396	-0.4	63.2		10.18		TAS					a_e

./bul2209.txt

Tue Dec 05 10:50:39 2023

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GRA1	114.82	PP	23:51:28.773	0.0	61.4	7.18	TAS			a_e									
GRA1	114.82	SP	00:00:54.246	2.0	63.2	10.18	TAS			a_e									
GRA1	114.82	L	00:42:35.402				T__	6305.1	21.30	a_e Ms								6.2	
GTTG	114.60	PP	23:51:28.023	0.7	61.4	7.18	TAS			a_e									
GTTG	114.60	SP	00:00:51.746	-0.1	63.2	10.18	TAS			a_e									
HLG	114.27	PP	23:51:24.723	-0.8	61.4	7.18	TAS			a_e									
HLG	114.27	SP	00:00:53.610	2.2	63.2	10.18	TAS			m_e									
IBBN	115.36	PP	23:51:32.673	-0.3	61.4	7.18	TAS			a_e									
IBBN	115.36	SP	00:01:03.543	-0.1	63.2	10.18	TAS			m_e									
KAST	115.60	PP	23:51:35.373	0.8	61.4	7.18	TAS			a_e									
KAST	115.60	SP	00:01:02.796	-1.4	63.2	10.18	TAS			a_e									
MOX	114.14	PP	23:51:24.073	0.2	61.4	7.18	TAS			a_e									
MOX	114.14	SP	00:00:47.046	-0.7	63.2	10.18	TAS			a_e									
MOX	114.14	L	00:42:19.922				T__	11922.4	20.80	a_e Ms								6.5	
NEUB	113.79	PP	23:51:21.373	-0.0	61.4	7.18	TAS			a_e									
NEUB	113.79	SP	00:00:43.396	-0.9	63.2	10.18	TAS			a_e									
PLN	113.91	PP	23:51:22.123	-0.1	61.4	7.18	TAS			m_e									
PLN	113.91	SP	00:00:45.046	-0.2	63.2	10.18	TAS			a_e									
RETH	114.30	PP	23:51:24.973	-0.4	61.4	7.18	TAS			a_e									
RGN	111.35	PP	23:51:04.023	-0.2	61.4	7.18	TAS			a_e									
RGN	111.35	SP	00:00:21.196	0.3	63.2	10.18	TAS			a_e									
RUE	112.08	PP	23:51:09.173	-0.1	61.4	7.18	TAS			a_e									
RUE	112.08	SP	00:00:27.946	0.7	63.2	10.18	TAS			a_e									
SCHI	112.18	PP	23:51:09.973	-0.1	61.4	7.18	TAS			a_e									
SCHI	112.18	SP	00:00:28.746	0.0	63.2	10.18	TAS			a_e									
STU	116.42	PP	23:51:40.123	-0.2	61.4	7.18	TAS			a_e									
STU	116.42	SP	00:01:09.946	1.7	63.2	10.18	TAS			a_e									
TANN	113.77	PP	23:51:21.373	0.1	61.4	7.18	TAS			a_e									
TANN	113.77	SP	00:00:44.046	0.2	63.2	10.18	TAS			a_e									
UBR	116.43	PP	23:51:39.573	-0.8	61.4	7.18	TAS			a_e									
UBR	116.43	SP	00:01:09.696	-0.8	63.2	10.18	TAS			a_e									
WET	114.11	PP	23:51:23.873	0.1	61.4	7.18	TAS			a_e									
WET	114.11	SP	00:00:47.346	0.4	63.2	10.18	TAS			m_e									
WLF	117.65	PP	23:51:49.573	0.3	61.4	7.18	TAS			a_e									
WLF	117.65	SP	00:01:22.746		63.2	10.18	TAS			a_e									

Event 20910001 Sierentz/F, NW of Loerrach/Upper Rhine Graben

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/10	15:58:13.58	0.18	1.05	47.6580	7.4450	2.2	1.1	48	10.0				76 124	0.36	6.31	m i ke	BGR
20910007																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.7		BGR	20910007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ABH	2.22	Sg	15:59:23.323	-1.2	T__	m_e	
ABH	2.22	Pg	15:58:55.070	-0.6	T__	m_e	
AHRW	2.89	Sg	15:59:44.735	-0.7	T__	m_e	
AHRW	2.89	Pn	15:58:58.895	0.4	T__	m_e ML	4.6
AHRW	2.89	Pg	15:59:08.621	0.5	T__	m_e	
ASSE	4.93	Pn	15:59:24.654	-1.4	T__	m_e ML	4.3
ASSE	4.93	Pg	15:59:47.856	1.4	T__	m_e	
BALST	0.36	Sg	15:58:26.454	1.0	T__	m_e	
BALST	0.36	Pg	15:58:21.442	0.8	T__	m_e ML	3.8
BE1	2.56	Sg	15:59:35.007	0.2	T__	m_e	
BE1	2.56	Pn	15:58:54.540	0.6	T__	m_e ML	4.7
BE1	2.56	Pg	15:59:02.671	0.9	T__	m_e	
BERGE	0.54	Sg	15:58:30.878	-0.0	T__	m_e	
BERGE	0.54	Pg	15:58:23.946	0.1	T__	m_e ML	4.2
BFO	0.90	Sg	15:58:41.697	-0.5	T__	m_e ML	4.1
BFO	0.90	Pn	15:58:29.937	-1.6	T__	m_e	
BFO	0.90	Pg	15:58:30.569	0.0	T__	m_e	
BRG	5.33	Pg	15:59:52.192	-1.7	T__	m_e ML	4.7
CHRS	4.52	Sg	16:00:37.096	0.1	T__	m_e	
CHRS	4.52	Pg	15:59:37.407	-1.3	T__	m_e ML	4.6
CIEL	1.18	Pn	15:58:34.226	-1.1	T__	m_e ML	5.1
CLL	5.14	Pn	15:59:26.725	-2.1	T__	m_e ML	4.9
CLZ	4.60	Sg	16:00:39.917	0.5	T__	m_e	
CLZ	4.60	Pn	15:59:19.508	-1.9	T__	m_e ML	4.8
CLZ	4.60	Pg	15:59:40.530	0.4	T__	m_e	
DAVA	1.69	Pn	15:58:42.778	0.5	T__	m_e	
DAVA	1.69	Pg	15:58:46.061	0.6	T__	m_e	
DAVA	1.69	Sg	15:59:07.355	-0.0	T__	m_e ML	4.6
EMING	0.97	Sg	15:58:44.986	0.3	T__	m_e	
EMING	0.97	Pg	15:58:32.222	0.2	T__	m_e ML	5.1
FALKS	4.73	Pg	15:59:41.273	-1.3	T__	m_e ML	4.8
FETA	2.32	Sg	15:59:28.507	1.2	T__	m_e	
FETA	2.32	Pn	15:58:52.060	1.3	T__	m_e ML	4.0
FLT1	5.27	Pg	15:59:51.591	-1.3	T__	m_e ML	4.5
FUR	2.63	Sg	15:59:37.316	0.4	T__	m_e	
FUR	2.63	Pn	15:58:56.220	1.3	T__	m_e ML	4.9
FUR	2.63	Pg	15:59:03.257	0.2	T__	m_e	
GEC2	4.34	Sg	16:00:30.435	-1.0	T__	m_e	
GEC2	4.34	Pn	15:59:17.946	-0.1	T__	m_e ML	4.7
GLEI	4.06	Sg	16:00:22.919	0.6	T__	m_e	
GLEI	4.06	Pg	15:59:29.674	-0.3	T__	m_e ML	5.1
GRA1	3.22	Sg	15:59:55.349	-0.6	T__	m_e	
GRA1	3.22	Pn	15:59:00.889	-2.1	T__	m_e ML	5.0
GRA1	3.22	Pg	15:59:14.128	-0.2	T__	m_e	
GRFO	3.22	Pn	15:59:00.876	-2.1	T__	m_e	
GRFO	3.22	Pg	15:59:14.212	-0.1	T__	m_e	
HOHE	1.00	Pn	15:58:31.841	-1.1	T__	m_e	
HOHE	1.00	Pg	15:58:32.658	0.2	T__	m_e	
IBBN	4.65	Pn	15:59:22.634	0.4	T__	m_e ML	4.8

INS1	1.54	Sg	15:59:03.972	1.3	T__	m_e	
INS1	1.54	Pn	15:58:39.510	-0.8	T__	m_e ML	4.9
INS1	1.54	Pg	15:58:43.683	1.0	T__	m_e	
INS3	1.50	Sn	15:58:58.639	0.3	T__	m_e	
INS3	1.50	Sg	15:59:02.884	1.8	T__	m_e	
INS3	1.50	Pg	15:58:42.615	0.7	T__	m_e ML	5.2
INS5	1.56	Sg	15:59:04.704	1.7	T__	m_e	
INS5	1.56	Pn	15:58:39.564	-0.9	T__	m_e ML	4.8
INS6B	1.51	Sg	15:59:03.379	1.7	T__	m_e	
INS6B	1.51	Pg	15:58:43.291	1.2	T__	m_e ML	4.8
INS8	1.67	Sg	15:59:07.452	0.9	T__	m_e	
INS8	1.67	Pg	15:58:45.724	0.7	T__	m_e	
INSH	1.56	Sg	15:59:05.455	2.1	T__	m_e ML	5.2
KAST	3.60	Pn	15:59:07.849	-0.2	T__	m_e ML	4.6
KW1	3.50	Sg	16:00:05.305	0.7	T__	m_e	
KW1	3.50	Pg	15:59:20.780	1.4	T__	m_e ML	5.5
LDE	1.59	Sg	15:59:05.533	1.5	T__	m_e	
LDE	1.59	Pn	15:58:39.934	-1.0	T__	m_e	
LDE	1.59	Pg	15:58:44.298	0.8	T__	m_e	
LEMB	1.39	Sg	15:58:57.642	-0.2	T__	m_e	
LEMB	1.39	Pn	15:58:37.140	-1.1	T__	m_e ML	4.5
LEMB	1.39	Pg	15:58:41.119	1.3	T__	m_e	
LESA	3.55	Sg	16:00:06.059	-0.2	T__	m_e	
LESA	3.55	Pn	15:59:09.016	1.6	T__	m_e	
LUEB	4.71	Pn	15:59:23.901	0.9	T__	m_e ML	4.8
MANZ	3.86	Sg	16:00:13.982	-2.1	T__	m_e	
MANZ	3.86	Pn	15:59:09.829	-1.7	T__	m_e ML	4.6
MANZ	3.86	Pg	15:59:25.529	-0.7	T__	m_e	
METMA	0.55	Sg	15:58:30.966	-0.2	T__	m_e	
METMA	0.55	Pg	15:58:23.900	-0.1	T__	m_e ML	4.2
MILB	2.49	Sg	15:59:32.564	-0.1	T__	m_e	
MILB	2.49	Pn	15:58:51.043	-2.0	T__	m_e ML	5.2
MILB	2.49	Pg	15:59:00.213	-0.3	T__	m_e	
MOA	4.60	Sg	16:00:40.938	1.3	T__	m_e ML	4.8
MOER	1.57	Sg	15:59:04.818	1.2	T__	m_e	
MOTA	2.50	Sg	15:59:33.025	0.1	T__	m_e ML	4.4
MOX	4.05	Pn	15:59:11.679	-2.4	T__	m_e ML	4.6
MOX	4.05	Pg	15:59:29.719	-0.1	T__	m_e	
NEUB	4.52	Sg	16:00:37.978	0.8	T__	m_e	
NEUB	4.52	Pg	15:59:37.198	-1.6	T__	m_e ML	5.2
NEUF	1.92	Sg	15:59:14.756	0.3	T__	m_e	
NEUF	1.92	Pn	15:58:46.046	0.7	T__	m_e ML	4.3
NEUF	1.92	Pg	15:58:50.211	0.5	T__	m_e	
NORI		Sg	15:59:28.825	-0.2	T__	m_e	
NORI		Pg	15:58:58.172	-0.2	T__	m_e ML	4.9
PART	2.49	Sg	15:59:32.512	-0.1	T__	m_e	
PART	2.49	Pn	15:58:53.577	0.6	T__	m_e ML	4.4
PART	2.49	Pg	15:59:02.006	1.6	T__	m_e	
PLN	4.19	Pn	15:59:13.786	-2.3	T__	m_e	

PLN	4.19	Pg	15:59:31.414	-1.1	T__	m_e	
PLONS	1.45	Sg	15:58:59.527	-0.1	T__	m_e	
PLONS	1.45	Pn	15:58:39.555	0.5	T__	m_e ML	4.1
PLONS	1.45	Pg	15:58:41.291	0.4	T__	m_e	
POSS	4.30	Sg	16:00:30.870	0.8	T__	m_e ML	5.2
RETA	2.25	Sg	15:59:26.260	1.2	T__	m_e	
RETA	2.25	Pg	15:58:56.572	0.6	T__	m_e ML	4.2
RIVT	2.10	Pn	15:58:47.974	0.2	T__	m_e	
RIVT	2.10	Pg	15:58:52.830	-0.3	T__	m_e	
RJOB	3.61	Pn	15:59:09.608	1.4	T__	m_e	
RONF	0.54	Sg	15:58:32.032	1.0	T__	m_e	
RONF	0.54	Pg	15:58:24.530	0.6	T__	m_e ML	4.5
ROTZ	3.79	Sg	16:00:11.675	-2.3	T__	m_e	
ROTZ	3.79	Pn	15:59:08.924	-1.7	T__	m_e ML	4.6
ROTZ	3.79	Pg	15:59:24.004	-1.0	T__	m_e	
RUE	6.31	Pg	16:00:10.936	-1.4	T__	m_e	
SLE	0.71	Sg	15:58:36.439	-0.0	T__	m_e	
SLE	0.71	Pg	15:58:27.115	-0.0	T__	m_e ML	5.3
SONN	4.33	Sg	16:00:31.441	0.3	T__	m_e	
SONN	4.33	Pg	15:59:34.742	-0.4	T__	m_e ML	5.2
SPAHL	3.40	Sg	16:00:01.030	-0.6	T__	m_e	
SPAHL	3.40	Pn	15:59:03.818	-1.6	T__	m_e ML	5.2
SPAHL	3.40	Pg	15:59:17.494	-0.2	T__	m_e	
SQTA	2.59	Sg	15:59:37.007	1.2	T__	m_e ML	4.5
STU	1.62	Sg	15:59:03.716	-1.2	T__	m_e	
STU	1.62	Pn	15:58:39.316	-1.9	T__	m_e	
STU	1.62	Pg	15:58:43.982	-0.0	T__	m_e	
SULZ	0.47	Sg	15:58:28.963	0.2	T__	m_e	
SULZ	0.47	Pg	15:58:22.857	0.3	T__	m_e ML	4.8
TANN	4.30	Sg	16:00:30.106	0.1	T__	m_e	
TANN	4.30	Pn	15:59:15.145	-2.3	T__	m_e ML	4.8
TANN	4.30	Pg	15:59:33.115	-1.4	T__	m_e	
TMO07		Sg	15:59:02.505	1.4	T__	m_e	
TMO07		Pg	15:58:42.722	0.9	T__	m_e ML	5.4
TMO54	1.55	Sg	15:59:04.694	1.8	T__	m_e ML	5.0
TMO55	1.63	Sg	15:59:06.799	1.4	T__	m_e	
TMO55	1.63	Pg	15:58:45.002	0.7	T__	m_e	
UBR	1.80	Sg	15:59:10.294	-0.4	T__	m_e	
UBR	1.80	Pn	15:58:43.762	0.0	T__	m_e ML	4.7
UBR	1.80	Pg	15:58:48.617	1.1	T__	m_e	
WALHA	1.14	Sg	15:58:50.072	0.3	T__	m_e	
WALHA	1.14	Pn	15:58:33.929	-0.9	T__	m_e ML	4.8
WALHA	1.14	Pg	15:58:35.117	0.1	T__	m_e	
WET	3.91	Sg	16:00:15.686	-2.0	T__	m_e	
WET	3.91	Pn	15:59:11.544	-0.7	T__	m_e ML	4.9
WET	3.91	Pg	15:59:26.631	-0.6	T__	m_e	
WILA	1.02	Sg	15:58:46.687	0.6	T__	m_e	
WILA	1.02	Pn	15:58:32.897	-0.3	T__	m_e ML	4.9
WILA	1.02	Pg	15:58:33.359	0.5	T__	m_e	

WIMM	4.68	Pg	15:59:40.296	-1.4	T__	m_e	ML	4.7
WLF	2.18	Sg	15:59:22.888		T__	m_e		
WLF	2.18	Pg	15:58:54.653	-0.0	T__	m_e	ML	4.2
WLS	0.76	Sg	15:58:38.296	0.5	T__	m_e		
WLS	0.76	Pg	15:58:28.662	0.7	T__	m_e	ML	4.6
WTTA	2.87	Sg	15:59:44.794	0.1	T__	m_e		
WTTA	2.87	Pn	15:59:00.045	1.9	T__	m_e	ML	4.4
ZELS	0.66	Pg	15:58:26.652	0.6	T__	m_e		
ZUGS	2.40	Sg	15:59:30.160	0.2	T__	m_e		
ZUGS	2.40	Pn	15:58:52.468	0.6	T__	m_e	ML	4.4
ZUGS	2.40	Pg	15:58:59.357	0.5	T__	m_e		

Event 20910006 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/10	23:10:55.33			0.1450	97.4290				32.3	3.6		25		85.78	90.74	m i ke	BGR
OrigID 20910012																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	20910012
MBB	6.4		BGR	20910012
Ms	6.7		BGR	20910012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.13		P	23:23:51.645	0.3	92.8		4.80		TAS		507.2	2.31	m_e	MBB 6.4
ASSE	87.90		P	23:23:40.244	0.1	92.8		4.80		TAS		770.8	2.19	m_e	MBB 6.7
BFO	89.31		P	23:23:47.224	-0.4	92.8		4.80		TAS		51.0	1.15	m_e	MBB 6.1
BFO	89.31		pP	23:23:56.032	0.8					T__				m_e	
BRG	85.78		P	23:23:30.471	0.3	92.8		4.80		TAS		177.4	1.61	m_e	MBB 6.3
BSEG	88.18		P	23:23:42.105	-0.6	92.8		4.80		TAS		554.9	2.06	m_e	MBB 6.6
CLL	86.41		P	23:23:33.263	0.3	92.8		4.80		TAS		399.7	2.26	m_e	MBB 6.2
CLZ	88.07		P	23:23:41.640	-0.2	92.8		4.80		TAS		649.4	2.19	m_e	MBB 6.6
FLT1	87.56		P	23:23:37.684	0.2	92.8		4.80		TAS		73.3	1.19	m_e	MBB 6.4
FUR	87.34		P	23:23:36.754		92.8		4.80		TAS		345.3	2.15	m_e	MBB 6.2
GEC2	85.78		P	23:23:30.471	-0.2	92.8		4.80		TAS		551.0	2.15	m_e	MBB 6.4
GEC2	85.78		pP	23:23:40.848	0.8					T__				m_e	
GOR1	87.55		P	23:23:38.382	0.0	92.8		4.80		TAS		610.5	2.01	m_e	MBB 6.7
GRA1	87.45		P	23:23:39.778	0.1	92.8		4.80		TAS		836.0	2.39	m_e	mb 6.4
GRA1	87.45		L	00:47:19.768						T__		76796.1	18.90	a_e	Ms 7.1
GTTG	88.32		P	23:23:42.803	0.4	92.8		4.80		TAS		724.9	2.24	m_e	MBB 6.6
IBBN	89.69		P	23:23:49.318	-0.4	92.8		4.80		TAS		561.7	2.09	m_e	MBB 6.5
KAST	89.28		P	23:23:47.689	-0.0	92.8		4.80		TAS		484.0	2.16	m_e	MBB 6.4
MOX	87.24		P	23:23:37.219	0.3	92.8		4.80		TAS		299.1	1.95	m_e	MBB 6.3
MOX	87.24		L	00:45:38.665						T__		8799.0	20.20	a_e	Ms 6.2
NEUB	87.17		P	23:23:37.452	-0.2	92.8		4.80		TAS		747.6	2.17	m_e	MBB 6.4
PLN	86.89		P	23:23:36.056	0.4	92.8		4.80		TAS		45.5	1.64	m_e	MBB 5.7

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RGN	86.46	P	23:23:33.961	0.2	92.8	4.80	TAS	1056.0	2.06	m_e	MBB	6.7
RUE	86.02	P	23:23:31.635	-1.3	92.8	4.80	TAS	1392.8	2.18	m_e	MBB	6.7
STU	88.74	P	23:23:43.967	-1.2	92.8	4.80	TAS	332.1	1.46	m_e	MBB	6.7
TANN	86.69	P	23:23:35.125	1.3	92.8	4.80	TAS	132.1	1.71	m_e	MBB	6.0
TANN	86.69	pP	23:23:45.254	0.8			T__				m_e	
UBR	88.11	P	23:23:41.174		92.8	4.80	TAS	56.5	1.26	m_e	MBB	6.4
WET	86.34	P	23:23:34.194	-0.7	92.8	4.80	TAS	369.9	2.17	m_e	MBB	6.3
WET	86.34	pP	23:23:42.554	0.8			T__				m_e	
WLF	90.74	P	23:23:54.670	1.1	92.8	4.80	TAS	420.1	2.19	m_e	MBB	6.4

Event 20910005 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/10	23:24:11.60			-0.3820	97.4830				33.0			23		86.21	91.17	m i ke	BGR
OrigID 20910011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20910011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	90.57		P	23:37:10.920	-0.1	93.1		4.76		TAS		23.1	1.10	m_e	mb	5.4
ASSE	88.35		P	23:36:59.643	-0.4	93.1		4.76		TAS		37.2	1.02	m_e	mb	5.7
BFO	89.74		P	23:37:06.126		93.1		4.76		TAS		18.9	0.83	m_e	mb	5.4
BRG	86.22		P	23:36:49.795	-0.1	93.1		4.76		TAS		21.2	1.04	m_e	mb	5.2
BSEG	88.64		P	23:37:01.305	0.1	93.1		4.76		TAS		41.9	1.22	m_e	mb	5.5
CLL	86.85		P	23:36:52.358	0.1	93.1		4.76		TAS		23.9	1.13	m_e	mb	5.2
CLZ	88.52		P	23:37:00.826	0.1	93.1		4.76		TAS		36.7	0.97	m_e	mb	5.6
FLT1	88.01		P	23:36:57.582	0.2	93.1		4.76		TAS		24.6	1.02	m_e	mb	5.5
GEC2	86.21		P	23:36:49.756	-0.2	93.1		4.76		TAS		30.3	1.10	m_e	mb	5.3
GOR1	88.00		P	23:36:58.222	-0.1	93.1		4.76		TAS		33.9	1.14	m_e	mb	5.6
GRA1	87.88		P	23:36:58.141	-0.1	93.1		4.76		TAS		29.0	0.87	m_e	mb	5.6
GTTG	88.76		P	23:37:02.051	0.1	93.1		4.76		TAS		33.5	0.86	m_e	mb	5.6
IBBN	90.14		P	23:37:08.375	0.1	93.1		4.76		TAS		34.9	1.11	m_e	mb	5.5
KAST	89.72		P	23:37:06.488	-0.1	93.1		4.76		TAS		29.3	1.03	m_e	mb	5.5
MOX	87.68		P	23:36:56.614	0.2	93.1		4.76		TAS		64.1	1.67	m_e	mb	5.7
NEUB	87.61		P	23:36:56.472	0.5	93.1		4.76		TAS		40.1	0.96	m_e	mb	5.7
PLN	87.33		P	23:36:54.913	0.5	93.1		4.76		TAS		6.6	1.05	m_e	mb	4.7
RUE	86.47		P	23:36:51.028	-0.2	93.1		4.76		TAS		121.6	1.30	m_e	mb	5.9
STU	89.17		P	23:37:03.672		93.1		4.76		TAS		45.3	0.94	m_e	mb	5.7
TANN	87.13		P	23:36:54.199	0.0	93.1		4.76		TAS		16.4	1.19	m_e	mb	5.0
UBR	88.53		P	23:37:00.423		93.1		4.76		TAS		17.0	0.99	m_e	mb	5.2
WET	86.77		P	23:36:52.314	-0.3	93.1		4.76		TAS		20.7	0.99	m_e	mb	5.2
WLF	91.17		P	23:37:13.199	0.1	93.1		4.76		TAS		27.2	1.22	m_e	mb	5.5

Event 20911001 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/10	23:46:57.00			-6.2560	146.4690				90.0			26		118.92	125.38	m i ke	USGS
20911019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	124.36		PKPdf	00:05:46.317	0.1	56.3		1.83		TAS					m_e
ASSE	121.61		PKPdf	00:05:41.665	-1.3	56.3		1.83		TAS					m_e
BFO	125.06		PKPdf	00:05:47.817	0.2	56.3		1.83		TAS					m_e
BRG	120.61		PKPdf	00:05:39.860	0.4	56.3		1.83		TAS					m_e
BSEG	120.71		PKPdf	00:05:38.987	-0.8	56.3		1.83		TAS					m_e
CLL	120.88		PKPdf	00:05:40.346	0.2	56.3		1.83		TAS					m_e
CLZ	121.93		PKPdf	00:05:40.850	0.7	56.3		1.83		TAS					m_e
FLT1	121.21		PKPdf	00:05:40.270	0.1	56.3		1.83		TAS					m_e
FUR	123.53		PKPdf	00:05:45.598	-0.3	56.3		1.83		TAS					m_e
GEC2	121.80		PKPdf	00:05:41.827	0.2	56.3		1.83		TAS					m_e
GOR1	120.79		PKPdf	00:05:40.931	0.9	56.3		1.83		TAS					m_e
GRA1	122.72		PKPdf	00:05:44.052	-0.5	56.3		1.83		TAS					m_e
GTTG	122.31		PKPdf	00:05:43.522	0.0	56.3		1.83		TAS					m_e
HLG	121.68		PKPdf	00:05:41.766	0.2	56.3		1.83		TAS					m_e
IBBN	122.93		PKPdf	00:05:43.415	-0.6	56.3		1.83		TAS					m_e
KAST	123.29		PKPdf	00:05:44.820	0.2	56.3		1.83		TAS					m_e
MOX	121.97		PKPdf	00:05:42.767	-0.3	56.3		1.83		TAS					m_e
NEUB	121.58		PKPdf	00:05:41.842	-0.0	56.3		1.83		TAS					m_e
PLN	121.78		PKPdf	00:05:42.117	0.4	56.3		1.83		TAS					m_e
RGN	118.92		PKPdf	00:05:36.865	0.3	56.3		1.83		TAS					m_e
RUE	119.84		PKPdf	00:05:38.468	-0.5	56.3		1.83		TAS					m_e
STU	124.33		PKPdf	00:05:46.896	-0.2	56.3		1.83		TAS					m_e
TANN	121.65		PKPdf	00:05:42.239	0.7	56.3		1.83		TAS					m_e
UBR	124.45		PKPdf	00:05:46.799		56.3		1.83		TAS					m_e
WET	122.11		PKPdf	00:05:42.323	-0.5	56.3		1.83		TAS					m_e
WLF	125.38		PKPdf	00:05:49.156	0.3	56.3		1.83		TAS					m_e

Event 20911003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/11	09:05:43.18			-21.3740	-177.5790				655.1	5.3		11		146.85	152.95	m i ke	BGR
20911009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	150.57	PKPbc	09:25:31.831	0.2	17.0	2.48	TAS	m_e
AHRW	150.57	PKPab	09:25:40.624		16.4	4.16	TAS	m_e
ASSE	148.56	PKPbc	09:25:26.404	0.3	17.0	2.48	TAS	m_e
ASSE	148.56	pPKPbc	09:27:54.440				T__	m_e
BFO	152.60	PKPbc	09:25:36.008	-0.6	17.0	2.48	TAS	m_e
BFO	152.60	PKPab	09:25:49.026		16.4	4.16	TAS	m_e
BRG	149.12	PKPbc	09:25:27.917	0.2	17.0	2.48	TAS	m_e
BRG	149.12	pPKPbc	09:27:55.627				T__	m_e
BSEG	146.85	PKPbc	09:25:21.593	-0.5	17.0	2.48	TAS	m_e
CLL	148.92	PKPbc	09:25:27.088	0.4	17.0	2.48	TAS	m_e
CLZ	148.88	PKPbc	09:25:27.611	-0.1	17.0	2.48	TAS	m_e
FLT1	148.27	PKPbc	09:25:25.548	0.5	17.0	2.48	TAS	m_e
FLT1	148.27	pPKPbc	09:27:54.227				T__	m_e
FUR	152.26	PKPbc	09:25:35.035		17.0	2.48	TAS	m_e
FUR	152.26	PKPab	09:25:47.982		16.4	4.16	TAS	m_e
GEC2	151.07	PKPbc	09:25:32.206	-0.4	17.0	2.48	TAS	m_e
GEC2	151.07	PKPab	09:25:42.770		16.4	4.16	TAS	m_e
GOR1	147.62	PKPbc	09:25:23.454	0.1	17.0	2.48	TAS	m_e
GRA1	150.81	PKPbc	09:25:32.296	-0.4	17.0	2.48	TAS	m_e
GRA1	150.81	PKPab	09:25:41.875		16.4	4.16	TAS	m_e
GTTG	149.23	PKPbc	09:25:28.314	0.2	17.0	2.48	TAS	m_e
HLG	146.90	PKPbc	09:25:21.826	-0.6	17.0	2.48	TAS	m_e
IBBN	148.76	PKPbc	09:25:27.410	0.1	17.0	2.48	TAS	m_e
IBBN	148.76	pPKPbc	09:27:54.241				T__	m_e
KAST	149.77	PKPbc	09:25:29.629	0.2	17.0	2.48	TAS	m_e
MOX	149.82	PKPbc	09:25:29.539	0.4	17.0	2.48	TAS	m_e
NEUB	149.27	PKPbc	09:25:28.403	0.1	17.0	2.48	TAS	m_e
PLN	149.87	PKPbc	09:25:29.969	0.4	17.0	2.48	TAS	m_e
PLN	149.87	PKPab	09:25:37.547		16.4	4.16	TAS	m_e
RUE	147.66	PKPbc	09:25:24.152	-0.0	17.0	2.48	TAS	m_e
STU	152.04	PKPbc	09:25:34.855	-0.4	17.0	2.48	TAS	m_e
STU	152.04	PKPab	09:25:46.791		16.4	4.16	TAS	m_e
TANN	149.88	PKPbc	09:25:29.773	0.4	17.0	2.48	TAS	m_e
TANN	149.88	PKPab	09:25:37.704		16.4	4.16	TAS	m_e
UBR	152.95	PKPbc	09:25:36.537		17.0	2.48	TAS	m_e
UBR	152.95	PKPab	09:25:50.051		16.4	4.16	TAS	m_e
UBR	152.95	pPKPbc	09:28:03.882				T__	m_e
WET	150.98	PKPbc	09:25:32.386	-0.1	17.0	2.48	TAS	m_e
WET	150.98	PKPab	09:25:42.459		16.4	4.16	TAS	m_e
WLF	151.52	PKPbc	09:25:34.404	0.1	17.0	2.48	TAS	m_e
WLF	151.52	PKPab	09:25:45.422		16.4	4.16	TAS	m_e

Event 20911004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/11	13:39:27.52			-18.4730	-177.3580				33.0			19		144.02	150.15	m i ke	BGR

20911010

Magnitude	Err	Nsta	Author	OrigID											
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.74		PKPbc	13:59:03.556	0.1	15.5		2.78		TAS					m_e
BFO	149.77		PKPbc	13:59:14.574		15.5		2.78		TAS					m_e
BRG	146.36		PKPbc	13:59:05.500	0.2	15.5		2.78		TAS					m_e
BSEG	144.02		PKPbc	13:58:58.271	-0.3	15.5		2.78		TAS					m_e
CLL	146.14		PKPbc	13:59:04.806	0.2	15.5		2.78		TAS					m_e
CLZ	146.06		PKPbc	13:59:04.932	0.0	15.5		2.78		TAS					m_e
FLT1	145.46		PKPbc	13:59:02.459	0.3	15.5		2.78		TAS					m_e
FUR	149.47		PKPbc	13:59:13.758		15.5		2.78		TAS					m_e
GEC2	148.33		PKPbc	13:59:10.793		15.5		2.78		TAS					m_e
GOR1	144.81		PKPbc	13:59:00.969	0.1	15.5		2.78		TAS					m_e
GTTG	146.41		PKPbc	13:59:05.762	0.2	15.5		2.78		TAS					m_e
IBBN	145.91		PKPbc	13:59:04.357	0.5	15.5		2.78		TAS					m_e
KAST	146.93		PKPbc	13:59:07.041	0.2	15.5		2.78		TAS					m_e
NEUB	146.47		PKPbc	13:59:05.818	0.3	15.5		2.78		TAS					m_e
PLN	147.09		PKPbc	13:59:07.505	-0.2	15.5		2.78		TAS					m_e
RUE	144.88		PKPbc	13:59:00.871	-0.0	15.5		2.78		TAS					m_e
TANN	147.10		PKPbc	13:59:07.575	-0.4	15.5		2.78		TAS					m_e
UBR	150.15		PKPbc	13:59:15.388		15.5		2.78		TAS					m_e
WLF	148.66		PKPbc	13:59:12.311		15.5		2.78		TAS					m_e

Event 20912002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/12	04:39:30.34			43.9520	143.4400				10.0			22		74.47	79.89	m i ke	BGR
20912008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20912008
Ms	4.6		BGR	20912008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.41		P	04:51:29.519	-0.9	33.1		5.59		TAS		31.8	1.57	m_e mb	5.1
ASSE	75.87		P	04:51:15.550	0.0	33.1		5.59		TAS		9.3	1.08	m_e mb	4.8
BFO	79.89		P	04:51:37.241		33.1		5.59		TAS		7.9	0.84	m_e mb	4.7
BRG	75.77		P	04:51:14.857	0.4	33.1		5.59		TAS		10.0	0.87	m_e mb	5.0
BSEG	74.47		P	04:51:07.725	0.3	33.1		5.59		TAS		19.4	0.87	m_e mb	5.2
CLL	75.75		P	04:51:14.744	0.4	33.1		5.59		TAS		31.8	0.93	m_e mb	5.4
CLZ	76.21		P	04:51:17.912	-0.1	33.1		5.59		TAS		17.0	0.73	m_e mb	5.3
FLT1	75.51		P	04:51:13.293	-0.1	33.1		5.59		TAS		21.8	0.85	m_e mb	5.3
FUR	78.99		P	04:51:33.624		33.1		5.59		TAS		31.9	0.80	m_e mb	5.4
GEC2	77.53		P	04:51:24.844	0.5	33.1		5.59		TAS		9.2	0.82	m_e mb	5.0

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GOR1	74.94	P	04:51:10.750	-0.2	33.1	5.59	TAS	61.6	1.51	m_e	mb	5.4
GRA1	77.73	P	04:51:26.416	0.5	33.1	5.59	TAS	21.5	0.79	m_e	mb	5.3
GRA1	77.73	L	05:30:00.351				T__	273.8	20.00	a_e	Ms	4.6
GTTG	76.60	P	04:51:20.112	-0.1	33.1	5.59	TAS	11.6	0.58	m_e	mb	5.2
IBBN	76.67	P	04:51:20.024	-0.2	33.1	5.59	TAS	23.0	0.85	m_e	mb	5.3
KAST	77.41	P	04:51:23.948	-0.3	33.1	5.59	TAS	8.7	0.85	m_e	mb	4.9
MOX	76.79	P	04:51:20.729	0.4	33.1	5.59	TAS	6.1	0.55	m_e	mb	5.0
MOX	76.79	L	05:29:21.661				T__	276.3	21.30	a_e	Ms	4.5
NEUB	76.28	P	04:51:17.666	-0.1	33.1	5.59	TAS	21.5	0.71	m_e	mb	5.4
PLN	76.73	P	04:51:20.390	0.3	33.1	5.59	TAS	2.5	0.86	m_e	mb	4.4
STU	79.22	P	04:51:34.375		33.1	5.59	TAS	42.0	0.62	m_e	mb	5.6
TANN	76.68	P	04:51:20.048	-0.1	33.1	5.59	TAS	36.9	2.13	m_e	mb	5.1
WET	77.59	P	04:51:25.569	0.0	33.1	5.59	TAS	20.0	0.90	m_e	mb	5.2
WLF	79.47	P	04:51:36.210		33.1	5.59	TAS	26.9	1.29	m_e	mb	5.0

Event 20912004 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/12	08:14:39.00			6.1780	127.5780				10.0			15		99.76	102.78	m i ke	USGS
20912022																	

Magnitude Err Nsta Author OrigID
Ms 5.2 BGR 20912010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	101.11		Pdiff	08:28:28.931	0.0					T__				m_e	
BRG	99.76		Pdiff	08:28:23.694	0.6					T__				m_e	
BSEG	100.52		Pdiff	08:28:27.237	0.1					T__				m_e	
CLL	100.13		Pdiff	08:28:25.542	-0.0					T__				m_e	
CLZ	101.40		Pdiff	08:28:31.858	0.1					T__				m_e	
FLT1	100.71		Pdiff	08:28:27.853	0.0					T__				m_e	
GEC2	100.68		Pdiff	08:28:28.161	-0.3					T__				m_e	
GOR1	100.39		Pdiff	08:28:27.237	-0.3					T__				m_e	
GRA1	101.83	L		09:18:36.336						T__		621.3	20.90	a_e	Ms 5.1
GTTG	101.76		Pdiff	08:28:33.244						T__				m_e	
KAST	102.78		Pdiff	08:28:37.866						T__				m_e	
MOX	101.20		Pdiff	08:28:30.472	0.2					T__				m_e	
MOX	101.20	L		09:18:54.649						T__		735.7	19.00	a_e	Ms 5.2
NEUB	100.89		Pdiff	08:28:28.623	-1.1					T__				m_e	
PLN	100.95		Pdiff	08:28:29.393	-0.1					T__				m_e	
TANN	100.81		Pdiff	08:28:28.623	0.1					T__				m_e	
WET	101.06		Pdiff	08:28:29.701	0.5					T__				m_e	

Event 20913001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/13	00:52:04.78			42.0510	141.6900				56.7	3.0		24		75.54	80.93	m i ke	BGR
OrigID 20913007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20913007
Ms	4.7		BGR	20913007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.52		P	01:04:04.140	0.1	35.2		5.53		TAS		17.2	0.97	m_e	mb 5.0
ASSE	76.95		P	01:03:49.937	-0.6	35.2		5.53		TAS		13.6	1.00	m_e	mb 5.0
BFO	80.93		P	01:04:11.631		35.2		5.53		TAS		10.2	0.82	m_e	mb 4.9
BFO	80.93		pP	01:04:27.902						T__				m_e	
BRG	76.76		P	01:03:47.847	0.2	35.2		5.53		TAS		7.5	0.95	m_e	mb 4.8
BSEG	75.59		P	01:03:42.007	0.3	35.2		5.53		TAS		30.0	0.85	m_e	mb 5.5
CLL	76.76		P	01:03:47.901	-0.5	35.2		5.53		TAS		21.1	0.85	m_e	mb 5.3
CLZ	77.29		P	01:03:51.517	-0.7	35.2		5.53		TAS		23.4	0.91	m_e	mb 5.3
CLZ	77.29		pP	01:04:07.818						T__				m_e	
FLT1	76.58		P	01:03:46.909	0.6	35.2		5.53		TAS		33.3	0.82	m_e	mb 5.5
FUR	79.97		P	01:04:06.564		35.2		5.53		TAS		24.4	0.76	m_e	mb 5.2
GEC2	78.47		P	01:03:57.513	0.4	35.2		5.53		TAS		13.9	1.24	m_e	mb 4.8
GOR1	76.02		P	01:03:45.371	-0.4	35.2		5.53		TAS		35.6	1.10	m_e	mb 5.4
GRA1	78.74		P	01:03:59.679	-0.3	35.2		5.53		TAS		27.5	0.85	m_e	mb 5.3
GRA1	78.74		L	01:42:05.444						T__		390.6	19.70	a_e	Ms 4.8
GTTG	77.67		P	01:03:54.220	-0.1	35.2		5.53		TAS		20.3	0.91	m_e	mb 5.2
IBBN	77.80		P	01:03:53.910	0.1	35.2		5.53		TAS		27.2	0.85	m_e	mb 5.4
KAST	78.50		P	01:03:57.487	-0.9	35.2		5.53		TAS		10.7	0.93	m_e	mb 4.9
MOX	77.81		P	01:03:53.408	0.4	35.2		5.53		TAS		12.7	1.01	m_e	mb 5.0
MOX	77.81		L	01:41:26.828						T__		364.6	19.20	a_e	Ms 4.7
NEUB	77.31		P	01:03:51.454	0.3	35.2		5.53		TAS		28.6	0.84	m_e	mb 5.4
PLN	77.74		P	01:03:54.106	0.3	35.2		5.53		TAS		5.4	1.49	m_e	mb 4.5
RUE	75.54		P	01:03:42.058	0.4	35.2		5.53		TAS		32.3	0.91	m_e	mb 5.5
STU	80.25		P	01:04:07.506	-0.0	35.2		5.53		TAS		53.8	0.88	m_e	mb 5.5
TANN	77.69		P	01:03:53.952	0.4	35.2		5.53		TAS		4.8	1.06	m_e	mb 4.6
UBR	80.81		P	01:04:10.816		35.2		5.53		TAS		3.8	0.75	m_e	mb 4.5
WET	78.55		P	01:03:58.710	0.0	35.2		5.53		TAS		14.8	0.96	m_e	mb 5.0
WET	78.55		pP	01:04:13.971						T__				m_e	
WLF	80.58		P	01:04:09.862	-0.3	35.2		5.53		TAS		8.0	0.85	m_e	mb 4.8

Event 20913002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/13	09:05:05.00			-22.9190	-178.4880				396.9			15		148.24	152.31	m i ke	USGS
OrigID 20913020																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	149.92		PKPbc	09:24:09.989	0.1	19.5		2.34		TAS					m_e	
BRG	150.39		PKPbc	09:24:11.127		19.5		2.34		TAS					m_e	
BSEG	148.24		PKPbc	09:24:05.761	-0.0	19.5		2.34		TAS					m_e	
BUG	151.09		PKPbc	09:24:13.152	0.3	19.5		2.34		TAS					m_e	
CLL	150.22		PKPbc	09:24:10.429	0.0	19.5		2.34		TAS					m_e	
CLZ	150.25		PKPbc	09:24:10.873	0.0	19.5		2.34		TAS					m_e	
FLT1	149.62		PKPbc	09:24:08.928	-0.1	19.5		2.34		TAS					m_e	
GEC2	152.31		PKPbc	09:24:14.819		19.5		2.34		TAS					m_e	
GOR1	148.98		PKPbc	09:24:07.658	-0.2	19.5		2.34		TAS					m_e	
GTTG	150.60		PKPbc	09:24:11.457	0.4	19.5		2.34		TAS					m_e	
IBBN	150.19		PKPbc	09:24:10.651	0.2	19.5		2.34		TAS					m_e	
NEUB	150.59		PKPbc	09:24:11.707	-0.5	19.5		2.34		TAS					m_e	
PLN	151.18		PKPbc	09:24:12.679		19.5		2.34		TAS					m_e	
RUE	148.95		PKPbc	09:24:07.428	0.1	19.5		2.34		TAS					m_e	
TANN	151.17		PKPbc	09:24:12.818		19.5		2.34		TAS					m_e	

Event 20914001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2022/09/13	23:51:52.60			-21.8390	-176.5290				456.3	2.1		14		147.45	153.58	m i ke	BGR
20914007																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	151.12		PKPbc	00:11:42.446	0.2	15.2		2.42		TAS					m_e	
AHRW	151.12		PKPab	00:11:49.246		14.1		4.26		TAS					m_e	
ASSE	149.17		PKPbc	00:11:37.413	-0.2	15.2		2.42		TAS					m_e	
BFO	153.19		PKPbc	00:11:46.921		15.2		2.42		TAS					m_e	
BFO	153.19		PKPab	00:11:58.148		14.1		4.26		TAS					m_e	
BRG	149.80		PKPbc	00:11:38.972	0.3	15.2		2.42		TAS					m_e	
BRG	149.80		PKPab	00:11:43.911		14.1		4.26		TAS					m_e	
BSEG	147.45		PKPbc	00:11:33.073	-0.2	15.2		2.42		TAS					m_e	
BUG	150.22		PKPbc	00:11:39.955	0.1	15.2		2.42		TAS					m_e	
CLL	149.58		PKPbc	00:11:38.370	0.0	15.2		2.42		TAS					m_e	
CLL	149.58		PKPab	00:11:42.480	0.1	14.1		4.26		TAS					m_e	
CLL	149.58		pPKPbc	00:13:27.121						T__					m_e	
CLZ	149.49		PKPbc	00:11:38.399	0.0	15.2		2.42		TAS					m_e	
FLT1	148.89		PKPbc	00:11:36.350	0.2	15.2		2.42		TAS					m_e	
FUR	152.91		PKPbc	00:11:46.464		15.2		2.42		TAS					m_e	
FUR	152.91		PKPab	00:11:57.065		14.1		4.26		TAS					m_e	
GEC2	151.77		PKPbc	00:11:43.499	0.1	15.2		2.42		TAS					m_e	

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GEC2	151.77	PKPab	00:11:51.605		14.1	4.26	TAS	m_e
GOR1	148.24	PKPbc	00:11:35.074	0.0	15.2	2.42	TAS	m_e
GRA1	151.45	PKPbc	00:11:43.293	0.1	15.2	2.42	TAS	m_e
GRA1	151.45	PKPab	00:11:50.695		14.1	4.26	TAS	m_e
GTTG	149.83	PKPbc	00:11:39.199	-0.1	15.2	2.42	TAS	m_e
IBBN	149.32	PKPbc	00:11:38.020	0.2	15.2	2.42	TAS	m_e
KAST	150.35	PKPbc	00:11:40.246	0.1	15.2	2.42	TAS	m_e
MOX	150.46	PKPbc	00:11:40.625	0.2	15.2	2.42	TAS	m_e
MOX	150.46	PKPab	00:11:46.334		14.1	4.26	TAS	m_e
NEUB	149.91	PKPbc	00:11:39.189	0.1	15.2	2.42	TAS	m_e
NEUB	149.91	PKPab	00:11:44.232		14.1	4.26	TAS	m_e
PLN	150.52	PKPbc	00:11:40.887	0.4	15.2	2.42	TAS	m_e
PLN	150.52	PKPab	00:11:46.847		14.1	4.26	TAS	m_e
RUE	148.32	PKPbc	00:11:35.118	0.0	15.2	2.42	TAS	m_e
STU	152.65	PKPbc	00:11:45.941	-0.4	15.2	2.42	TAS	m_e
STU	152.65	PKPab	00:11:55.638		14.1	4.26	TAS	m_e
TANN	150.53	PKPbc	00:11:40.831	-0.1	15.2	2.42	TAS	m_e
TANN	150.53	PKPab	00:11:46.615		14.1	4.26	TAS	m_e
TANN	150.53	pPKPbc	00:13:29.084				T__	m_e
UBR	153.58	PKPbc	00:11:47.647		15.2	2.42	TAS	m_e
WET	151.66	PKPbc	00:11:43.351	-0.3	15.2	2.42	TAS	m_e
WET	151.66	PKPab	00:11:51.958		14.1	4.26	TAS	m_e
WET	151.66	pPKPbc	00:13:32.379				T__	m_e
WLF	152.06	PKPbc	00:11:44.956	-0.2	15.2	2.42	TAS	m_e
WLF	152.06	PKPab	00:11:53.617		14.1	4.26	TAS	m_e

Event 20914002 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/14	05:08:14.18			-15.6920	-168.6030				33.0			22		143.26	147.99	m i ke	BGR
20914008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	20914008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	144.97		PKPbc	05:27:46.873	-0.1	359.7		3.10		TAS					m_e
ASSE	143.55		PKPbc	05:27:41.841	0.1	359.7		3.10		TAS					m_e
BFO	147.26		PKPbc	05:27:53.398		359.7		3.10		TAS					m_e
BRG	144.75		PKPbc	05:27:45.885	0.4	359.7		3.10		TAS					m_e
BUG	144.09		PKPbc	05:27:43.619	0.1	359.7		3.10		TAS					m_e
CLL	144.35		PKPbc	05:27:44.499	0.3	359.7		3.10		TAS					m_e
CLZ	143.83		PKPbc	05:27:43.055	-0.0	359.7		3.10		TAS					m_e
FLT1	143.35		PKPbc	05:27:40.878	0.2	359.7		3.10		TAS					m_e
FUR	147.52		PKPbc	05:27:54.398		359.7		3.10		TAS					m_e
GEC2	146.79		PKPbc	05:27:52.078		359.7		3.10		TAS					m_e

GRA1	145.99	PKPbc	05:27:50.044	-0.7	359.7	3.10	TAS										m_e
GRA1	145.99	L	06:32:20.595				T__			287.9	22.00	a_e Ms					5.0
GTTG	144.12	PKPbc	05:27:43.933	0.3	359.7	3.10	TAS										m_e
IBBN	143.26	PKPbc	05:27:41.160	-0.1	359.7	3.10	TAS										m_e
KAST	144.40	PKPbc	05:27:45.034	0.2	359.7	3.10	TAS										m_e
MOX	145.04	PKPbc	05:27:46.983	-0.0	359.7	3.10	TAS										m_e
MOX	145.04	L	06:42:07.902				T__			325.3	19.10	a_e Ms					5.1
NEUB	144.49	PKPbc	05:27:45.131	0.3	359.7	3.10	TAS										m_e
PLN	145.19	PKPbc	05:27:47.495	0.4	359.7	3.10	TAS										m_e
STU	146.86	PKPbc	05:27:52.778		359.7	3.10	TAS										m_e
TANN	145.26	PKPbc	05:27:47.562	-0.3	359.7	3.10	TAS										m_e
UBR	147.99	PKPbc	05:27:55.157		359.7	3.10	TAS										m_e
WET	146.52	PKPbc	05:27:51.281		359.7	3.10	TAS										m_e
WLF	145.75	PKPbc	05:27:49.659	0.0	359.7	3.10	TAS										m_e

Event 20914003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/14	11:03:53.16			-21.1600	171.7050				140.4			26		144.27	149.72	m i ke	BGR
	20914009																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.21		PKPbc	11:23:35.456	0.3	35.5		2.84		TAS					m_e
ASSE	145.71		PKPbc	11:23:28.163	0.6	35.5		2.84		TAS					m_e
BFO	149.72		PKPbc	11:23:38.794	-0.9	35.5		2.84		TAS					m_e
BRG	145.55		PKPbc	11:23:27.480	0.1	35.5		2.84		TAS					m_e
BSEG	144.27		PKPbc	11:23:23.669	-0.3	35.5		2.84		TAS					m_e
BUG	147.35		PKPbc	11:23:32.919	0.3	35.5		2.84		TAS					m_e
BUG	147.35		pPKPbc	11:24:09.879						T__					m_e
CLL	145.56		PKPbc	11:23:27.415	0.2	35.5		2.84		TAS					m_e
CLZ	146.05		PKPbc	11:23:29.516	-0.1	35.5		2.84		TAS					m_e
FLT1	145.35		PKPbc	11:23:26.691	0.5	35.5		2.84		TAS					m_e
FUR	148.75		PKPbc	11:23:36.555		35.5		2.84		TAS					m_e
GEC2	147.22		PKPbc	11:23:32.592	-0.6	35.5		2.84		TAS					m_e
GOR1	144.77		PKPbc	11:23:25.101	-0.5	35.5		2.84		TAS					m_e
GRA1	147.54		PKPbc	11:23:33.564	0.2	35.5		2.84		TAS					m_e
GTTG	146.43		PKPbc	11:23:30.694	-0.1	35.5		2.84		TAS					m_e
HLG	144.74		PKPbc	11:23:25.745	-0.5	35.5		2.84		TAS					m_e
IBBN	146.45		PKPbc	11:23:30.554	0.1	35.5		2.84		TAS					m_e
KAST	147.22		PKPbc	11:23:32.802	-0.0	35.5		2.84		TAS					m_e
MOX	146.61		PKPbc	11:23:30.712	0.4	35.5		2.84		TAS					m_e
NEUB	146.11		PKPbc	11:23:29.320	0.2	35.5		2.84		TAS					m_e
PLN	146.54		PKPbc	11:23:30.685	0.5	35.5		2.84		TAS					m_e
RUE	144.34		PKPbc	11:23:23.604	-0.3	35.5		2.84		TAS					m_e

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STU	149.04	PKPbc	11:23:37.306	-0.1	35.5	2.84	TAS	m_e
TANN	146.49	PKPbc	11:23:30.463	0.4	35.5	2.84	TAS	m_e
UBR	149.61	PKPbc	11:23:38.134		35.5	2.84	TAS	m_e
WET	147.33	PKPbc	11:23:32.776	-0.2	35.5	2.84	TAS	m_e
WLF	149.26	PKPbc	11:23:38.846	0.2	35.5	2.84	TAS	m_e

Event 20915002 Eastern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/15	22:49:37.00			35.9200	77.7480				10.0			12		47.21	51.46	m i ke	USGS
OrigID 20915020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20915008
Ms	3.7		BGR	20915008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BE1	49.46		P	22:58:28.943		80.0		7.92		TAS				m_e	
BERGE	51.46		P	22:58:43.167		80.0		7.92		TAS				m_e	
BRG	47.21		P	22:58:11.814	0.4	80.0		7.92		TAS		12.6	1.12	m_e mb	5.0
BSEG	49.03		P	22:58:25.261		80.0		7.92		TAS		11.0	0.70	m_e mb	5.0
CLL	47.75		P	22:58:15.242	0.2	80.0		7.92		TAS		7.8	0.99	m_e mb	4.8
CLZ	49.29		P	22:58:27.983		80.0		7.92		TAS		11.1	0.98	m_e mb	4.9
FLT1	48.69		P	22:58:22.480	0.3	80.0		7.92		TAS		14.5	0.93	m_e mb	5.0
FUR	49.37		P	22:58:28.832		80.0		7.92		TAS		28.1	1.07	m_e mb	5.2
GEC2	47.66		P	22:58:15.505	-1.2	80.0		7.92		TAS		8.6	1.06	m_e mb	4.8
GRA1	49.12		P	22:58:27.473		80.0		7.92		TAS		24.5	1.25	m_e mb	5.1
GRA1	49.12		L	23:19:23.601						T__		178.0	22.00	a_e Ms	4.0
MOX	48.71		P	22:58:23.605	-0.5	80.0		7.92		TAS		34.6	2.22	m_e mb	5.0
MOX	48.71		L	23:26:10.156						T__		29.9	18.60	a_e Ms	3.3
NEUB	48.53		P	22:58:22.181	0.7	80.0		7.92		TAS		13.0	0.87	m_e mb	5.0
OBER	50.18		P	22:58:33.493		80.0		7.92		TAS				m_e	
PLN	48.39		P	22:58:23.551	0.2	80.0		7.92		TAS		1.7	0.87	m_e mb	4.2
RGN	47.21		P	22:58:11.795		80.0		7.92		TAS		159.2	0.97	m_e mb	6.1
ROTZ	48.48		P	22:58:21.743		80.0		7.92		TAS				m_e	
TANN	48.21		P	22:58:22.605		80.0		7.92		TAS		7.8	1.05	m_e mb	4.8
UBR	50.24		P	22:58:34.911		80.0		7.92		TAS		17.3	1.03	m_e mb	4.9
WET	48.15		P	22:58:19.102		80.0		7.92		TAS		7.1	1.10	m_e mb	4.7

Event 20916002 Owen Fracture Zone region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/16	12:33:09.00			14.5230	53.5920				10.0					49.15	49.15	m i ke	USGS
OrigID																	

20916020

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20916008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	49.15		P	12:42:01.390		120.4		8.65		TAS		7.3	0.94	m_e	mb	4.7

Event 20916004 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/16	20:30:35.53			38.7340	40.7960				33.0					23.70	23.70	m i ke	BGR

OrigID
20916010

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	20916010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	23.70		P	20:35:44.450		111.8		9.94		TAS		67.1	1.26	m_e	mb	5.0

Event 20917001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/09/16	23:58:17.00			-22.2390	170.9880				45.0					25	145.06	150.46	m i ke	USGS

OrigID
20917019

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	20917007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.00		PKPbc	00:18:00.565	0.0	35.6		2.68		TAS				a_e	
AHRW	149.00		PKPab	00:18:05.568						T__				m_e	
ASSE	146.47		PKPbc	00:17:53.812	0.2	35.6		2.68		TAS				m_e	
BFO	150.46		PKPbc	00:18:03.765	-0.6	35.6		2.68		TAS				a_e	
BRG	146.23		PKPbc	00:17:53.215	0.1	35.6		2.68		TAS				a_e	
BSEG	145.07		PKPbc	00:17:49.415	-0.6	35.6		2.68		TAS				a_e	
BUG	148.16		PKPbc	00:17:58.198	-0.1	35.6		2.68		TAS				m_e	
CLL	146.27		PKPbc	00:17:53.015	-0.1	35.6		2.68		TAS				a_e	
CLZ	146.81		PKPbc	00:17:54.965	0.4	35.6		2.68		TAS				a_e	
FLT1	146.10		PKPbc	00:17:52.415	-0.2	35.6		2.68		TAS				a_e	
FUR	149.43		PKPbc	00:18:01.299	-0.4	35.6		2.68		TAS				m_e	
GEC2	147.86		PKPdf	00:17:54.629						T__				m_e	
GEC2	147.86		PKPbc	00:17:57.765	0.1	35.6		2.68		TAS				a_e	

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GOR1	145.53	PKPbc	00:17:51.215	0.1	35.6	2.68	TAS	a_e										
GRA1	148.25	PKPbc	00:17:58.653	0.2	35.6	2.68	TAS	m_e										
GRA1	148.25	PKPab	00:18:02.593				T__	m_e										
GRA1	148.25	L	01:29:04.043				T__	a_e	Ms	357.5	19.60						5.2	
GTTG	147.19	PKPbc	00:17:55.965	0.4	35.6	2.68	TAS	a_e										
IBBN	147.26	PKPbc	00:17:55.815	-0.1	35.6	2.68	TAS	a_e										
KAST	148.00	PKPbc	00:17:58.065	0.2	35.6	2.68	TAS	a_e										
NEUB	146.83	PKPbc	00:17:54.765	0.1	35.6	2.68	TAS	a_e										
PLN	147.25	PKPbc	00:17:56.065	0.3	35.6	2.68	TAS	a_e										
RUE	145.06	PKPbc	00:17:49.188	-0.7	35.6	2.68	TAS	m_e										
STU	149.77	PKPdf	00:17:57.760				T__	m_e										
STU	149.77	PKPbc	00:18:02.515	0.0	35.6	2.68	TAS	a_e										
TANN	147.18	PKPbc	00:17:55.965	0.4	35.6	2.68	TAS	m_e										
TNS	148.83	PKPbc	00:18:00.165	0.2	35.6	2.68	TAS	a_e										
TNS	148.83	PKPab	00:18:05.143				T__	m_e										
UBR	150.29	PKPbc	00:18:03.465	-0.5	35.6	2.68	TAS	a_e										
WET	147.99	PKPbc	00:17:58.274	0.4	35.6	2.68	TAS	m_e										
WET	147.99	PKPab	00:18:01.378				T__	m_e										
WLF	150.06	PKPbc	00:18:03.765	0.4	35.6	2.68	TAS	a_e										

Event 20917002 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/17	00:06:59.00			-30.0630	-177.9150				39.0					159.14	159.14	m i ke	USGS
	20917020																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.14		PKP	00:27:31.056		22.8		3.80		TAS				m_e	

Event 20917003 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/17	13:41:23.15			23.1610	121.6700				33.0				19	81.37	87.67	m i ke	BGR
	20917009																

Magnitude Err Nsta Author OrigID

mb	6.4		BGR	20917009
MBB	6.9		BGR	20917009
Ms	6.8		BGR	20917009

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

AHRW	86.69	S	14:04:42.563		60.8	10.26	TAS				m_e	
AHRW	86.69	SS	14:10:22.443		58.5	13.46	TAS				m_e	
AHRW	86.69	P	13:54:02.985	0.0	59.9	5.03	TAS	446.9	1.88	a_e	MBB	6.7
AHRW	86.69	PP	13:57:29.276		60.1	8.17	TAS				m_e	
ASSE	83.94	S	14:04:11.665		60.8	10.26	TAS				m_e	
ASSE	83.94	SS	14:09:44.104		58.5	13.46	TAS				m_e	
ASSE	83.94	P	13:53:49.235	0.1	59.9	5.03	TAS	502.5	1.73	a_e	MBB	7.0
ASSE	83.94	PP	13:57:05.077	-0.4	60.1	8.17	TAS				m_e	
BFO	87.20	S	14:04:44.680		60.8	10.26	TAS				m_e	
BFO	87.20	SS	14:10:28.546		58.5	13.46	TAS				m_e	
BFO	87.20	P	13:54:05.035	-0.5	59.9	5.03	TAS	291.7	1.98	a_e	MBB	6.7
BRG	82.77	S	14:03:59.814	-2.7	60.8	10.26	TAS				m_e	
BRG	82.77	P	13:53:43.185	-0.1	59.9	5.03	TAS	428.3	1.71	a_e	MBB	6.9
BRG	82.77	PP	13:56:58.097	1.8	60.1	8.17	TAS				m_e	
BSEG	83.21	S	14:04:05.951	0.1	60.8	10.26	TAS				m_e	
BSEG	83.21	P	13:53:45.535	0.1	59.9	5.03	TAS	301.3	1.47	a_e	MBB	7.1
BSEG	83.21	PP	13:57:01.354	-1.0	60.1	8.17	TAS				m_e	
BUG	86.10	S	14:04:32.193		60.8	10.26	TAS				m_e	
BUG	86.10	SS	14:10:15.103		58.5	13.46	TAS				m_e	
BUG	86.10	P	13:53:59.785	-0.2	59.9	5.03	TAS	403.0	1.33	a_e	MBB	6.8
BUG	86.10	PP	13:57:21.365	-0.6	60.1	8.17	TAS				m_e	
CLL	83.08	S	14:04:03.835	-0.1	60.8	10.26	TAS				m_e	
CLL	83.08	P	13:53:44.385	-0.4	59.9	5.03	TAS	274.7	1.33	a_e	MBB	6.9
CLL	83.08	PP	13:57:00.424	1.0	60.1	8.17	TAS				m_e	
CLZ	84.24	S	14:04:15.077		60.8	10.26	TAS				m_e	
CLZ	84.24	SS	14:09:48.808		58.5	13.46	TAS				m_e	
CLZ	84.24	P	13:53:51.085	0.4	59.9	5.03	TAS	422.4	1.36	a_e	MBB	7.0
FLT1	83.54	S	14:04:07.221	-0.5	60.8	10.26	TAS				m_e	
FLT1	83.54	SS	14:09:32.217	0.3	58.5	13.46	TAS				m_e	
FLT1	83.54	P	13:53:46.585	-0.5	59.9	5.03	TAS	364.5	1.55	a_e	MBB	7.0
FLT1	83.54	PP	13:57:01.354	-2.6	60.1	8.17	TAS				m_e	
FUR	85.61	S	14:04:26.691		60.8	10.26	TAS				m_e	
FUR	85.61	SS	14:10:11.190		58.5	13.46	TAS				m_e	
FUR	85.61	P	13:53:57.885	0.4	59.9	5.03	TAS	1607.8	2.08	a_e	MBB	6.9
FUR	85.61	PP	13:57:19.038	-1.9	60.1	8.17	TAS				m_e	
GEC2	83.87	S	14:04:11.453	-0.3	60.8	10.26	TAS				m_e	
GEC2	83.87	SS	14:09:43.956		58.5	13.46	TAS				m_e	
GEC2	83.87	P	13:53:48.785	0.1	59.9	5.03	TAS	218.6	1.28	a_e	MBB	6.9
GEC2	83.87	PP	13:57:03.681	-0.6	60.1	8.17	TAS				m_e	
GOR1	83.17	P	13:53:45.585	0.3	59.9	5.03	TAS	630.7	1.43	a_e	MBB	7.1
GOR1	83.17	PP	13:57:00.424	1.7	60.1	8.17	TAS				m_e	
GRA1	84.87	S	14:04:20.554		60.8	10.26	TAS				m_e	
GRA1	84.87	SS	14:10:00.379		58.5	13.46	TAS				m_e	
GRA1	84.87	P	13:53:54.185	0.4	59.9	5.03	TAS	579.2	1.59	a_e	MBB	6.9
GRA1	84.87	PP	13:57:15.082	-0.2	60.1	8.17	TAS				m_e	
GRA1	84.87	L	14:37:31.613				T_	40850.8	20.90	a_e	Ms	6.8
GTTG	84.61	S	14:04:20.342		60.8	10.26	TAS				m_e	
GTTG	84.61	SS	14:09:55.684		58.5	13.46	TAS				m_e	
GTTG	84.61	P	13:53:52.735	0.2	59.9	5.03	TAS	301.9	1.29	a_e	MBB	6.9

GTTG	84.61	PP	13:57:11.825	0.2	60.1	8.17	TAS						m_e
HLG	84.30	S	14:04:17.379		60.8	10.26	TAS						m_e
IBBN	85.37	S	14:04:25.210		60.8	10.26	TAS						m_e
IBBN	85.37	SS	14:10:04.930		58.5	13.46	TAS						m_e
IBBN	85.37	P	13:53:56.385	0.1	59.9	5.03	TAS	486.8	1.38	a_e	MBB	7.0	
IBBN	85.37	PP	13:57:17.642	0.3	60.1	8.17	TAS						m_e
KAST	85.62	S	14:04:28.596		60.8	10.26	TAS						m_e
KAST	85.62	SS	14:10:10.707		58.5	13.46	TAS						m_e
KAST	85.62	P	13:53:57.785	0.2	59.9	5.03	TAS	266.9	1.52	a_e	MBB	6.8	
KAST	85.62	PP	13:57:19.736	-0.1	60.1	8.17	TAS						m_e
NEUB	83.81	S	14:04:07.644	-0.5	60.8	10.26	TAS						m_e
NEUB	83.81	SS	14:09:41.452	-6.6	58.5	13.46	TAS						m_e
NEUB	83.81	P	13:53:48.335	-0.2	59.9	5.03	TAS	442.1	1.43	a_e	MBB	6.9	
NEUB	83.81	PP	13:57:02.052	-1.4	60.1	8.17	TAS						m_e
PLN	83.95	S	14:04:11.478		60.8	10.26	TAS						m_e
PLN	83.95	SS	14:09:44.112		58.5	13.46	TAS						m_e
PLN	83.95	P	13:53:49.135	-0.0	59.9	5.03	TAS	136.5	1.62	a_e	MBB	6.5	
PLN	83.95	PP	13:57:05.310	0.4	60.1	8.17	TAS						m_e
RGN	81.37	S	14:03:44.788	-0.8	60.8	10.26	TAS						m_e
RGN	81.37	P	13:53:35.885	-0.3	59.9	5.03	TAS	384.1	1.38	a_e	MBB	6.9	
RGN	81.37	PP	13:56:43.205	-1.4	60.1	8.17	TAS						m_e
RUE	82.11	S	14:03:51.772	1.0	60.8	10.26	TAS						m_e
RUE	82.11	P	13:53:39.785	-0.1	59.9	5.03	TAS	512.5	1.44	a_e	MBB	7.0	
STU	86.48	S	14:04:37.061		60.8	10.26	TAS						m_e
STU	86.48	SS	14:10:15.260		58.5	13.46	TAS						m_e
STU	86.48	P	13:54:01.685	-0.2	59.9	5.03	TAS	609.3	1.67	a_e	MBB	7.1	
STU	86.48	PP	13:57:25.785	1.1	60.1	8.17	TAS						m_e
TANN	83.82	S	14:04:11.242	-0.5	60.8	10.26	TAS						m_e
TANN	83.82	SS	14:09:42.078		58.5	13.46	TAS						m_e
TANN	83.82	P	13:53:48.485	-0.0	59.9	5.03	TAS	333.6	1.67	m_e	MBB	6.9	
TANN	83.82	PP	13:57:03.216	-1.3	60.1	8.17	TAS						m_e
TNS	86.12	S	14:04:33.886		60.8	10.26	TAS						m_e
TNS	86.12	SS	14:10:15.886		58.5	13.46	TAS						m_e
TNS	86.12	P	13:54:00.285	0.2	59.9	5.03	TAS	355.9	1.78	a_e	MBB	6.8	
TNS	86.12	PP	13:57:23.459	0.5	60.1	8.17	TAS						m_e
UBR	86.53	S	14:04:38.754		60.8	10.26	TAS						m_e
UBR	86.53	SS	14:10:20.409		58.5	13.46	TAS						m_e
UBR	86.53	P	13:54:01.885	-0.2	59.9	5.03	TAS	235.8	1.49	a_e	MBB	6.8	
UBR	86.53	PP	13:57:27.182		60.1	8.17	TAS						m_e
WET	84.20	S	14:04:15.051		60.8	10.26	TAS						m_e
WET	84.20	P	13:53:50.735	0.3	59.9	5.03	TAS	391.8	1.69	a_e	MBB	6.9	
WET	84.20	PP	13:57:08.102	0.6	60.1	8.17	TAS						m_e
WLF	87.67	S	14:04:49.944		60.8	10.26	TAS						m_e
WLF	87.67	SS	14:10:27.938		58.5	13.46	TAS						m_e
WLF	87.67	P	13:54:07.885	-0.0	59.9	5.03	TAS	413.1	1.40	a_e	MBB	7.0	

Event 20917004 Taiwan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/09/17 14:35:23.92 23.9580 120.7240 33.0 83.71 83.71 m i ke BGR
 20917010

Magnitude Err Nsta Author OrigID
 mb 5.3 BGR 20917010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 83.71 P 14:47:49.070 66.2 4.93 TAS 32.5 1.49 m_e mb 5.3

Event 20917005 Taiwan region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/09/17 14:45:27.00 22.9620 121.1930 10.0 84.76 84.76 m i ke USGS
 20917023

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 20917011

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 84.76 P 14:58:05.152 65.1 4.90 TAS 80.5 1.82 m_e mb 5.6
 GRA1 84.76 PP 15:01:20.878 T__ m_e

Event 20918001 Southern Mid-Atlantic Ridge
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/09/18 00:26:34.00 -20.5610 -11.7300 10.0 72.89 72.89 m i ke USGS
 20918019

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 20918007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 72.89 P 00:38:07.527 202.5 6.20 TAS 11.8 1.32 m_e mb 4.8

Event 20918002 Near east coast of eastern Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID

2022/09/18 02:09:46.00 35.8280 140.7850 46.7 83.76 83.76 m i ke USGS
20918020

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 20918008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 83.76 P 02:22:11.474 39.1 4.54 TAS 6.8 0.83 m_e mb 4.9

Event 20918003 Taiwan
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/09/18 05:19:21.35 23.0560 121.7580 33.0 21 82.24 87.80 m i ke BGR
20918009

Magnitude Err Nsta Author OrigID
mb 5.8 BGR 20918009
Ms 5.5 BGR 20918009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
AHRW 86.82 S 05:42:43.345 63.0 10.61 TAS m_e
AHRW 86.82 P 05:32:01.909 -0.5 59.9 5.02 TAS 151.9 2.05 a_e mb 5.8
AHRW 86.82 PP 05:35:23.024 63.4 8.18 TAS m_e
ASSE 84.07 S 05:42:12.718 63.0 10.61 TAS m_e
ASSE 84.07 P 05:31:48.109 -0.0 59.9 5.02 TAS 301.2 2.15 a_e mb 6.2
ASSE 84.07 PP 05:35:00.222 63.4 8.18 TAS m_e
BFO 87.33 S 05:42:46.103 63.0 10.61 TAS m_e
BFO 87.33 P 05:32:03.909 0.0 59.9 5.02 TAS 142.6 2.07 a_e mb 5.7
BFO 87.33 PP 05:35:26.747 63.4 8.18 TAS m_e
BRG 82.90 S 05:41:59.277 -0.5 63.0 10.61 TAS m_e
BRG 82.90 P 05:31:42.059 -0.5 59.9 5.02 TAS 242.4 2.09 a_e mb 6.1
BSEG 83.34 S 05:42:08.877 -0.2 63.0 10.61 TAS m_e
BSEG 83.34 P 05:31:44.409 -0.5 59.9 5.02 TAS 205.4 2.24 a_e mb 6.0
BUG 86.23 S 05:42:37.586 63.0 10.61 TAS m_e
BUG 86.23 P 05:31:58.709 0.1 59.9 5.02 TAS 154.7 1.70 a_e mb 5.9
BUG 86.23 PP 05:35:19.301 63.4 8.18 TAS m_e
CLL 83.22 S 05:42:04.488 2.7 63.0 10.61 TAS m_e
CLL 83.22 P 05:31:43.209 0.3 59.9 5.02 TAS 69.1 1.37 a_e mb 5.7
CLZ 84.37 S 05:42:18.252 63.0 10.61 TAS m_e
CLZ 84.37 P 05:31:49.909 0.2 59.9 5.02 TAS 99.9 1.35 a_e mb 5.9
FLT1 83.67 S 05:42:10.523 0.0 63.0 10.61 TAS m_e
FLT1 83.67 P 05:31:45.459 -0.2 59.9 5.02 TAS 66.9 1.44 a_e mb 5.7
FUR 85.74 S 05:42:33.061 63.0 10.61 TAS m_e
FUR 85.74 P 05:31:56.809 0.2 59.9 5.02 TAS 374.7 2.00 a_e mb 6.2
GEC2 84.00 S 05:42:10.935 63.0 10.61 TAS m_e
GEC2 84.00 P 05:31:47.659 0.1 59.9 5.02 TAS 53.9 1.31 a_e mb 5.6

GEC2	84.00	PP	05:34:58.593	-0.2	63.4	8.18	TAS											m_e
GOR1	83.30	P	05:31:44.409	0.1	59.9	5.02	TAS	230.8	1.69	a_e	mb							6.1
GRA1	85.00	S	05:42:25.931		63.0	10.61	TAS											m_e
GRA1	85.00	P	05:31:53.059	-0.0	59.9	5.02	TAS	260.3	1.90	a_e	mb							6.1
GRA1	85.00	L	06:13:08.759				T__	2035.8	20.10	a_e	Ms							5.5
GTTG	84.75	P	05:31:51.609	0.4	59.9	5.02	TAS	44.5	1.09	a_e	mb							5.6
GTTG	84.75	PP	05:35:08.133		63.4	8.18	TAS											m_e
IBBN	85.50	S	05:42:30.044		63.0	10.61	TAS											m_e
IBBN	85.50	P	05:31:55.209	0.4	59.9	5.02	TAS	48.5	1.13	a_e	mb							5.5
IBBN	85.50	PP	05:35:14.415		63.4	8.18	TAS											m_e
KAST	85.75	S	05:42:33.061		63.0	10.61	TAS											m_e
KAST	85.75	P	05:31:56.659	-0.2	59.9	5.02	TAS	200.8	2.08	a_e	mb							5.9
NEUB	83.95	P	05:31:47.209	0.0	59.9	5.02	TAS	92.8	1.36	a_e	mb							5.8
PLN	84.08	S	05:42:13.952		63.0	10.61	TAS											m_e
PLN	84.08	P	05:31:48.059	0.3	59.9	5.02	TAS	62.8	1.95	a_e	mb							5.5
RUE	82.24	S	05:41:53.379	1.4	63.0	10.61	TAS											m_e
RUE	82.24	P	05:31:38.609	-0.1	59.9	5.02	TAS	78.7	1.16	a_e	mb							5.7
STU	86.61	S	05:42:38.272		63.0	10.61	TAS											m_e
STU	86.61	P	05:32:00.609	-0.2	59.9	5.02	TAS	209.0	1.79	a_e	mb							6.0
STU	86.61	PP	05:35:21.628		63.4	8.18	TAS											m_e
TANN	83.95	S	05:42:09.015		63.0	10.61	TAS											m_e
TANN	83.95	P	05:31:47.409	0.0	59.9	5.02	TAS	158.7	2.01	a_e	mb							5.9
TNS	86.26	S	05:42:37.586		63.0	10.61	TAS											m_e
TNS	86.26	P	05:31:59.109	-0.2	59.9	5.02	TAS	63.9	1.51	a_e	mb							5.5
TNS	86.26	PP	05:35:18.836		63.4	8.18	TAS											m_e
UBR	86.66	S	05:42:37.860		63.0	10.61	TAS											m_e
UBR	86.66	P	05:32:00.859	0.1	59.9	5.02	TAS	228.6	2.24	a_e	mb							5.9
WET	84.33	S	05:42:17.977		63.0	10.61	TAS											m_e
WET	84.33	P	05:31:49.659	0.4	59.9	5.02	TAS	198.7	2.06	m_e	mb							6.0
WET	84.33	PP	05:35:02.316		63.4	8.18	TAS											m_e
WLF	87.80	P	05:32:06.809		59.9	5.02	TAS	154.0	1.69	a_e	mb							6.1

Event 20918004 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/18	06:32:11.10			24.1050	121.1500				33.0					83.83	83.83	m i ke	BGR
20918010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	20918010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.83		P	06:44:36.877		65.2		4.70		TAS		39.9	1.67	m_e mb	5.4

Event 20918005 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/18	06:44:09.87			22.1700	122.8500				33.0				27	82.80	89.11	m i ke	BGR
OrigID 20918011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	20918011
MBB	7.2		BGR	20918011
Ms	7.5		BGR	20918011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.13		S	07:07:38.786		61.2		9.62		TAS				m_e	
AHRW	88.13		P	06:56:58.040	-0.1	59.9		5.00		TAS		235.4	1.17	a_e	MBB 7.0
AHRW	88.13		PP	07:00:24.164	-1.4	60.4		7.23		TAS				m_e	
ASSE	85.37		S	07:07:14.470		61.2		9.62		TAS				m_e	
ASSE	85.37		P	06:56:44.290	-0.0	59.9		5.00		TAS		923.9	1.91	a_e	MBB 7.2
ASSE	85.37		PP	07:00:09.064	3.4	60.4		7.23		TAS				m_e	
BFO	88.65		S	07:07:41.409		61.2		9.62		TAS				m_e	
BFO	88.65		P	06:57:00.190	-0.5	59.9		5.00		TAS		782.2	2.34	a_e	MBB 7.2
BFO	88.65		PP	07:00:26.759	-1.4	60.4		7.23		TAS				m_e	
BRG	84.21		S	07:07:01.028	-1.8	61.2		9.62		TAS				m_e	
BRG	84.21		P	06:56:38.340	-0.1	59.9		5.00		TAS		798.7	1.95	m_e	MBB 7.2
BRG	84.21		PP	06:59:51.840	-2.6	60.4		7.23		TAS				m_e	
BSEG	84.63		S	07:07:05.946	0.8	61.2		9.62		TAS				m_e	
BSEG	84.63		P	06:56:40.990	0.3	59.9		5.00		TAS		380.3	1.40	a_e	MBB 7.3
BSEG	84.63		PP	07:00:01.042	0.9	60.4		7.23		TAS				m_e	
BUG	87.53		S	07:07:35.509		61.2		9.62		TAS				m_e	
BUG	87.53		P	06:56:54.990	-0.1	59.9		5.00		TAS		557.7	1.21	a_e	MBB 7.1
BUG	87.53		PP	07:00:20.153	-0.1	60.4		7.23		TAS				m_e	
CLL	84.53		S	07:07:03.160	0.9	61.2		9.62		TAS				m_e	
CLL	84.53		P	06:56:39.690	-0.4	59.9		5.00		TAS		717.3	1.70	a_e	MBB 7.1
CLL	84.53		PP	06:59:55.851	-0.5	60.4		7.23		TAS				m_e	
CLZ	85.68		S	07:07:17.317		61.2		9.62		TAS				m_e	
CLZ	85.68		P	06:56:46.190	0.3	59.9		5.00		TAS		309.6	1.05	a_e	MBB 7.2
CLZ	85.68		PP	07:00:09.772	1.7	60.4		7.23		TAS				m_e	
FLT1	84.97		S	07:07:07.749	0.2	61.2		9.62		TAS				m_e	
FLT1	84.97		P	06:56:41.940	-0.4	59.9		5.00		TAS		797.7	1.83	a_e	MBB 7.2
FLT1	84.97		PP	07:00:02.693	0.2	60.4		7.23		TAS				m_e	
FUR	87.06		S	07:07:30.920		61.2		9.62		TAS				m_e	
FUR	87.06		P	06:56:52.890	0.2	59.9		5.00		TAS		412.6	1.04	a_e	MBB 7.3
FUR	87.06		PP	07:00:17.558	0.7	60.4		7.23		TAS				m_e	
GEC2	85.32		S	07:07:13.815	1.0	61.2		9.62		TAS				m_e	
GEC2	85.32		P	06:56:44.190	0.2	59.9		5.00		TAS		224.0	1.14	a_e	MBB 7.2
GEC2	85.32		PP	07:00:07.176	4.4	60.4		7.23		TAS				m_e	
GOR1	84.60		P	06:56:40.490	0.0	59.9		5.00		TAS		995.2	1.42	a_e	MBB 7.3
GOR1	84.60		PP	06:59:58.682	1.6	60.4		7.23		TAS				m_e	
GRA1	86.32		S	07:07:22.561		61.2		9.62		TAS				m_e	

GRA1	86.32	P	06:56:49.240	0.3	59.9	5.00	TAS	1551.1	1.96	a_e	MBB	7.2
GRA1	86.32	PP	07:00:09.772	-1.8	60.4	7.23	TAS			m_e		
GRA1	86.32	L	07:39:50.211				T__	185830.0	18.10	a_e	Ms	7.5
GTTG	86.05	S	07:07:20.431		61.2	9.62	TAS			m_e		
GTTG	86.05	P	06:56:47.940	0.2	59.9	5.00	TAS	212.5	0.89	a_e	MBB	7.2
GTTG	86.05	PP	07:00:08.356	-1.5	60.4	7.23	TAS			m_e		
HLG	85.72	P	06:56:46.240	0.1	59.9	5.00	TAS			a_e		
HLG	85.72	PP	07:00:09.064	-1.2	60.4	7.23	TAS			m_e		
IBBN	86.80	S	07:07:27.806		61.2	9.62	TAS			m_e		
IBBN	86.80	P	06:56:51.440	-0.1	59.9	5.00	TAS	492.5	1.23	a_e	MBB	7.2
IBBN	86.80	PP	07:00:13.311	1.1	60.4	7.23	TAS			m_e		
KAST	87.05	S	07:07:31.084		61.2	9.62	TAS			m_e		
KAST	87.05	P	06:56:52.940	0.2	59.9	5.00	TAS	556.1	1.81	a_e	MBB	7.1
KAST	87.05	PP	07:00:17.558	-0.2	60.4	7.23	TAS			m_e		
NEUB	85.25	S	07:07:10.372	1.0	61.2	9.62	TAS			m_e		
NEUB	85.25	P	06:56:43.490	-0.2	59.9	5.00	TAS	237.5	0.99	a_e	MBB	7.2
NEUB	85.25	PP	07:00:03.873	2.8	60.4	7.23	TAS			m_e		
PLN	85.40	S	07:07:13.979		61.2	9.62	TAS			m_e		
PLN	85.40	P	06:56:44.490	0.1	59.9	5.00	TAS			a_e		
RGN	82.80	S	07:06:50.373	1.3	61.2	9.62	TAS			m_e		
RGN	82.80	P	06:56:31.240	-0.2	59.9	5.00	TAS	265.0	1.05	a_e	MBB	7.2
RUE	83.54	S	07:06:55.291	-1.9	61.2	9.62	TAS			m_e		
RUE	83.54	P	06:56:34.890	-0.3	59.9	5.00	TAS	664.3	1.34	a_e	MBB	7.4
RUE	83.54	PP	06:59:45.706	-4.2	60.4	7.23	TAS			m_e		
STU	87.93	S	07:07:36.000		61.2	9.62	TAS			m_e		
STU	87.93	P	06:56:56.890	-0.2	59.9	5.00	TAS	465.1	1.35	a_e	MBB	7.4
STU	87.93	PP	07:00:21.333	-0.4	60.4	7.23	TAS			m_e		
TANN	85.26	S	07:07:12.175	-0.5	61.2	9.62	TAS			m_e		
TANN	85.26	P	06:56:43.840	0.1	59.9	5.00	TAS	937.6	2.06	a_e	MBB	7.1
TANN	85.26	PP	07:00:06.468	3.3	60.4	7.23	TAS			m_e		
TNS	87.56	S	07:07:36.000		61.2	9.62	TAS			m_e		
TNS	87.56	P	06:56:55.540	0.3	59.9	5.00	TAS	795.4	2.00	a_e	MBB	7.0
TNS	87.56	PP	07:00:20.389	-1.6	60.4	7.23	TAS			m_e		
UBR	87.98	S	07:07:37.148		61.2	9.62	TAS			m_e		
UBR	87.98	P	06:56:57.090	-0.2	59.9	5.00	TAS	343.2	1.49	a_e	MBB	7.0
UBR	87.98	PP	07:00:22.748	-0.4	60.4	7.23	TAS			m_e		
WET	85.65	S	07:07:15.678		61.2	9.62	TAS			m_e		
WET	85.65	P	06:56:45.940	0.3	59.9	5.00	TAS	879.6	1.93	a_e	MBB	7.2
WET	85.65	PP	07:00:09.772	2.9	60.4	7.23	TAS			m_e		
WLF	89.11	S	07:07:50.423		61.2	9.62	TAS			m_e		
WLF	89.11	P	06:57:02.940	-0.1	59.9	5.00	TAS	596.6	1.26	a_e	MBB	7.3
WLF	89.11	PP	07:00:30.298		60.4	7.23	TAS			m_e		

Event 20918006 Ryukyu Islands, Japan

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

./bul2209.txt Tue Dec 05 10:50:39 2023 39

2022/09/18 08:09:59.00 26.2530 126.0140 10.0 84.78 84.78 m i ke USGS
20918024

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 20918012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 84.78 P 08:22:33.342 54.9 4.95 TAS 13.4 1.19 m_e mb 5.0

Event 20918007 Taiwan
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/09/18 08:46:39.27 24.4330 121.8370 33.0 83.96 83.96 m i ke BGR
20918013

Magnitude Err Nsta Author OrigID
mb 5.5 BGR 20918013

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 83.96 P 08:59:05.670 65.1 4.91 TAS 44.1 1.35 m_e mb 5.5

Event 20918008 Taiwan
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/09/18 09:40:03.29 23.6290 121.1410 33.0 84.20 84.20 m i ke BGR
20918014

Magnitude Err Nsta Author OrigID
mb 5.6 BGR 20918014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 84.20 P 09:52:30.961 64.8 4.66 TAS 40.1 1.09 m_e mb 5.6

Event 20918009 Santa Cruz Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/09/18 09:41:45.00 -10.8150 164.2380 10.0 135.21 135.21 m i ke USGS
20918027

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	135.21		PKP	10:01:05.971		39.3		1.28		TAS					m_e

Event 20919001 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/19	02:07:48.90			23.9510	121.8040				33.0					84.32	84.32	m i ke	BGR
OrigID 20919007																	

Magnitude	Err	Nsta	Author	OrigID
mb 5.5			BGR	20919007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.32		P	02:20:17.153		64.9		4.73		TAS		33.9	1.00	m_e mb	5.5
GRA1	84.32		PP	02:23:31.739		56.0		7.41		TAS				m_e	

Event 20919004 Azores-Cape St. Vincent Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/19	16:30:47.00			36.5390	-11.1730				10.0					20.87	20.87	m i ke	USGS
OrigID 20919022																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.0			BGR	20919010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	20.87		P	16:35:32.698		239.4		10.64		TAS		9.1	1.02	m_e mb	4.0

Event 20919005 Jalisco, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/19	18:05:15.08			19.9200	-103.4360				33.0				23	85.76	91.62	m i ke	BGR
OrigID 20919011																	

Magnitude	Err	Nsta	Author	OrigID
mb 6.7			BGR	20919011
MBB 7.5			BGR	20919011
Ms 8.0			BGR	20919011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.06		S	18:28:32.329	0.2	296.4		7.26		TAS				m_e	
AHRW	87.06		P	18:17:56.922	-0.4	301.3		4.67		TAS		669.9	1.20	a_e	MBB 7.4
AHRW	87.06		PP	18:21:21.672	-0.1	300.7		8.07		TAS				m_e	
AHRW	87.06		PKPPKPdf	18:43:57.761	-0.5	120.0		2.29		TAS				m_e	
ASSE	88.24		S	18:28:38.279		296.4		7.26		TAS				m_e	
ASSE	88.24		P	18:18:02.372		301.3		4.67		TAS		631.5	1.29	a_e	MBB 7.6
ASSE	88.24		PP	18:21:31.233	-0.3	300.7		8.07		TAS				m_e	
ASSE	88.24		PKPPKPdf	18:43:54.859	0.2	120.0		2.29		TAS				m_e	
BFO	88.84		S	18:28:42.954		296.4		7.26		TAS				m_e	
BFO	88.84		P	18:18:04.722		301.3		4.67		TAS		224.2	1.31	a_e	MBB 7.4
BFO	88.84		PP	18:21:36.332	0.3	300.7		8.07		TAS				m_e	
BFO	88.84		PKPPKPdf	18:43:53.158	0.7	120.0		2.29		TAS				m_e	
BRG	90.64		S	18:29:00.379		296.4		7.26		TAS				m_e	
BRG	90.64		P	18:18:13.422		301.3		4.67		TAS		1028.0	1.82	a_e	MBB 7.5
BRG	90.64		PP	18:21:50.355	-0.6	300.7		8.07		TAS				m_e	
BRG	90.64		PKPPKPdf	18:43:48.454		120.0		2.29		TAS				m_e	
BSEG	87.13		S	18:28:37.854	-5.2	296.4		7.26		TAS				m_e	
BSEG	87.13		P	18:17:57.272	-0.1	301.3		4.67		TAS		596.7	1.21	a_e	MBB 7.5
BSEG	87.13		PP	18:21:22.628	-0.1	300.7		8.07		TAS				m_e	
BSEG	87.13		PKPPKPdf	18:43:56.760	-0.5	120.0		2.29		TAS				m_e	
BUG	86.75		S	18:28:27.229	-1.1	296.4		7.26		TAS				m_e	
BUG	86.75		P	18:17:55.122	0.0	301.3		4.67		TAS		375.8	1.20	a_e	MBB 7.4
BUG	86.75		PP	18:21:18.804	-0.5	300.7		8.07		TAS				m_e	
BUG	86.75		PKPPKPdf	18:43:58.062	-0.1	120.0		2.29		TAS				m_e	
CLL	89.90		S	18:28:54.004		296.4		7.26		TAS				m_e	
CLL	89.90		P	18:18:09.972		301.3		4.67		TAS		431.0	1.48	a_e	MBB 7.4
CLL	89.90		PP	18:21:44.619	-0.4	300.7		8.07		TAS				m_e	
CLL	89.90		PKPPKPdf	18:43:51.456	-0.8	120.0		2.29		TAS				m_e	
CLZ	88.23		S	18:28:39.979		296.4		7.26		TAS				m_e	
CLZ	88.23		P	18:18:02.672		301.3		4.67		TAS		763.6	1.16	a_e	MBB 7.6
CLZ	88.23		PP	18:21:31.552	0.1	300.7		8.07		TAS				m_e	
CLZ	88.23		PKPPKPdf	18:43:54.459	0.1	120.0		2.29		TAS				m_e	
FLT1	88.43		S	18:28:43.379		296.4		7.26		TAS				m_e	
FLT1	88.43		P	18:18:02.872		301.3		4.67		TAS		583.5	1.39	a_e	MBB 7.5
FLT1	88.43		PP	18:21:32.189	-1.0	300.7		8.07		TAS				m_e	
FLT1	88.43		PKPPKPdf	18:43:54.459	0.2	120.0		2.29		TAS				m_e	
FUR	90.63		S	18:29:00.379		296.4		7.26		TAS				m_e	
FUR	90.63		P	18:18:13.522		301.3		4.67		TAS		1049.9	1.83	a_e	MBB 7.5
FUR	90.63		PP	18:21:49.718	-0.8	300.7		8.07		TAS				m_e	
FUR	90.63		PKPPKPdf	18:43:50.155		120.0		2.29		TAS				m_e	
GEC2	91.62		S	18:29:04.629		296.4		7.26		TAS				m_e	
GEC2	91.62		P	18:18:18.172		301.3		4.67		TAS		1098.2	1.95	a_e	MBB 7.4
GEC2	91.62		PP	18:21:58.004	-0.7	300.7		8.07		TAS				m_e	
GEC2	91.62		PKPPKPdf	18:43:46.252		120.0		2.29		TAS				m_e	
GOR1	88.13		P	18:18:01.872	0.0	301.3		4.67		TAS		762.8	1.43	a_e	MBB 7.7
GOR1	88.13		PP	18:21:30.277	-0.5	300.7		8.07		TAS				m_e	
GOR1	88.13		PKPPKPdf	18:43:55.359	-0.3	120.0		2.29		TAS				m_e	
GRA1	89.80		S	18:28:49.329		296.4		7.26		TAS				m_e	

GRA1	89.80	P	18:18:09.972		301.3	4.67	TAS	1467.4	1.72	a_e	MBB	7.5
GRA1	89.80	PP	18:21:45.575	1.6	300.7	8.07	TAS			m_e		
GRA1	89.80	PKPPKPdf	18:43:51.957	0.4	120.0	2.29	TAS			m_e		
GRA1	89.80	L	19:04:39.186				T__	479934.0	18.10	a_e	Ms	8.0
GTTG	88.16	S	18:28:38.704	0.8	296.4	7.26	TAS			m_e		
GTTG	88.16	P	18:18:02.272	0.2	301.3	4.67	TAS	645.8	1.30	a_e	MBB	7.6
GTTG	88.16	PP	18:21:29.958	-0.9	300.7	8.07	TAS			m_e		
HLG	85.76	S	18:28:31.232	7.1	296.4	7.26	TAS			m_e		
HLG	85.76	P	18:17:50.872	0.1	301.3	4.67	TAS	647.7	1.04	a_e	MBB	7.7
HLG	85.76	PP	18:21:11.474	-0.1	300.7	8.07	TAS			m_e		
IBBN	86.60	S	18:28:26.379	-1.4	296.4	7.26	TAS			m_e		
IBBN	86.60	P	18:17:54.622	0.1	301.3	4.67	TAS	514.1	1.21	a_e	MBB	7.5
IBBN	86.60	PP	18:21:17.848	-0.4	300.7	8.07	TAS			m_e		
IBBN	86.60	PKPPKPdf	18:43:58.562	-0.2	120.0	2.29	TAS			m_e		
KAST	87.49	S	18:28:34.029	-3.2	296.4	7.26	TAS			m_e		
KAST	87.49	P	18:17:58.872	0.0	301.3	4.67	TAS	486.3	1.17	a_e	MBB	7.6
KAST	87.49	PP	18:21:25.496	0.1	300.7	8.07	TAS			m_e		
KAST	87.49	PKPPKPdf	18:43:56.060	0.1	120.0	2.29	TAS			m_e		
NEUB	89.31	S	18:28:43.804		296.4	7.26	TAS			m_e		
NEUB	89.31	P	18:18:07.272		301.3	4.67	TAS	757.3	1.47	a_e	MBB	7.5
NEUB	89.31	PP	18:21:40.794	0.6	300.7	8.07	TAS			m_e		
NEUB	89.31	PKPPKPdf	18:43:52.557	0.5	120.0	2.29	TAS			m_e		
PLN	89.89	S	18:28:49.754		296.4	7.26	TAS			m_e		
PLN	89.89	P	18:18:10.122		301.3	4.67	TAS	1022.0	2.51	a_e	MBB	7.0
PLN	89.89	PP	18:21:45.256	0.4	300.7	8.07	TAS			m_e		
PLN	89.89	PKPPKPdf	18:43:51.857	0.7	120.0	2.29	TAS			m_e		
RGN	88.31	S	18:28:44.229		296.4	7.26	TAS			m_e		
RGN	88.31	P	18:18:02.772		301.3	4.67	TAS	1192.1	1.46	a_e	MBB	7.6
RGN	88.31	PP	18:21:33.783	1.4	300.7	8.07	TAS			m_e		
RGN	88.31	PKPPKPdf	18:43:54.559	-0.4	120.0	2.29	TAS			m_e		
RUE	89.67	S	18:28:51.454		296.4	7.26	TAS			m_e		
RUE	89.67	P	18:18:08.672		301.3	4.67	TAS	466.4	1.34	a_e	MBB	7.4
RUE	89.67	PP	18:21:43.663	0.4	300.7	8.07	TAS			m_e		
STU	89.13	S	18:28:45.929		296.4	7.26	TAS			m_e		
STU	89.13	P	18:18:06.372		301.3	4.67	TAS	726.0	1.31	a_e	MBB	7.8
STU	89.13	PP	18:21:38.882	0.5	300.7	8.07	TAS			m_e		
TANN	90.10	S	18:28:57.404		296.4	7.26	TAS			m_e		
TANN	90.10	P	18:18:11.122		301.3	4.67	TAS	1096.1	1.88	a_e	MBB	7.4
TANN	90.10	PP	18:21:47.168	0.7	300.7	8.07	TAS			m_e		
TANN	90.10	PKPPKPdf	18:43:50.856	-1.0	120.0	2.29	TAS			m_e		
TNS	87.99	S	18:28:39.129	4.2	296.4	7.26	TAS			m_e		
TNS	87.99	P	18:18:01.222	0.0	301.3	4.67	TAS	727.8	1.22	m_e	MBB	7.5
TNS	87.99	PP	18:21:29.640	0.4	300.7	8.07	TAS			m_e		
TNS	87.99	PKPPKPdf	18:43:55.560	0.4	120.0	2.29	TAS			m_e		
UBR	90.20	S	18:28:57.404		296.4	7.26	TAS			m_e		
UBR	90.20	P	18:18:11.522		301.3	4.67	TAS	331.6	1.51	a_e	MBB	7.3
UBR	90.20	PP	18:21:47.487	0.5	300.7	8.07	TAS			m_e		
UBR	90.20	PKPPKPdf	18:43:50.856	-0.8	120.0	2.29	TAS			m_e		
WET	91.01	S	18:29:01.229		296.4	7.26	TAS			m_e		

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WET	91.01	P	18:18:15.522	301.3	4.67	TAS	1573.0	1.95	a_e	MBB	7.5
WET	91.01	PP	18:21:52.905	-0.8 300.7	8.07	TAS			m_e		
WET	91.01	PKPPKPdf	18:43:47.553	120.0	2.29	TAS			m_e		
WLF	86.95	S	18:28:28.504	-1.2 296.4	7.26	TAS			m_e		
WLF	86.95	P	18:17:56.372	0.4 301.3	4.67	TAS	614.5	1.16	a_e	MBB	7.5
WLF	86.95	PP	18:21:21.035	0.3 300.7	8.07	TAS			m_e		
WLF	86.95	PKPPKPdf	18:43:57.761	0.2 120.0	2.29	TAS			m_e		

Event 20919006 Near coast of Michoacan, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/19	19:30:39.00			18.4680	-103.8360				10.0					91.19	91.19	m i ke	USGS
OrigID 20919024																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	20919012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	91.19		P	19:43:46.340		300.7		4.74		TAS		45.2	1.26	m_e mb	5.7

Event 20920001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/20	00:06:29.80			40.1900	143.2460				33.0					80.94	80.94	m i ke	BGR
OrigID 20920007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20920007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.94		P	00:18:40.133		37.9		4.64		TAS		9.7	0.78	m_e mb	4.9

Event 20920004 Jalisco, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/20	08:17:20.07			19.5000	-103.3660				33.0				24	86.90	91.92	m i ke	BGR
OrigID 20920010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	20920010

Ms 5.9 BGR 20920010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.36		P	08:30:03.225	0.3	301.0		4.66		TAS		84.8	1.09	m_e	mb 5.8
ASSE	88.55		P	08:30:08.672	0.2	301.0		4.66		TAS		128.1	1.32	a_e	mb 6.0
BFO	89.13		P	08:30:10.422	-0.8	301.0		4.66		TAS		35.3	1.32	a_e	mb 5.4
BRG	90.95		P	08:30:19.522	0.4	301.0		4.66		TAS		51.5	1.18	a_e	mb 5.7
BSEG	87.45		P	08:30:03.372	0.0	301.0		4.66		TAS		126.8	1.10	a_e	mb 6.2
BUG	87.05		P	08:30:01.122	-0.3	301.0		4.66		TAS		43.2	1.15	a_e	mb 5.5
CLL	90.21		P	08:30:15.822	-0.4	301.0		4.66		TAS		42.6	1.15	a_e	mb 5.6
CLZ	88.54		P	08:30:08.772	0.4	301.0		4.66		TAS		134.0	1.18	a_e	mb 6.1
FLT1	88.74		P	08:30:08.972	-0.4	301.0		4.66		TAS		80.7	1.32	a_e	mb 5.8
GEC2	91.92		P	08:30:24.222		301.0		4.66		TAS		75.4	1.33	a_e	mb 5.8
GOR1	88.44		P	08:30:07.972	0.0	301.0		4.66		TAS		60.2	1.20	a_e	mb 5.8
GRA1	90.10		P	08:30:16.372	0.7	301.0		4.66		TAS		168.4	1.45	m_e	mb 6.1
GRA1	90.10		L	09:12:50.165						T__		4503.2	18.60	a_e	Ms 5.9
GTTG	88.47		P	08:30:08.272	0.2	301.0		4.66		TAS		125.8	1.29	a_e	mb 6.0
IBBN	86.90		P	08:30:00.722	-0.1	301.0		4.66		TAS		104.4	1.16	a_e	mb 5.8
KAST	87.79		P	08:30:04.922	-0.0	301.0		4.66		TAS		73.3	1.13	a_e	mb 5.9
MOX	89.82		P	08:30:14.972		301.0		4.66		TAS				a_e	
NEUB	89.62		P	08:30:13.472	0.0	301.0		4.66		TAS		102.2	1.24	a_e	mb 5.9
PLN	90.20		P	08:30:16.222	0.1	301.0		4.66		TAS		22.3	1.30	a_e	mb 5.2
RUE	89.99		P	08:30:14.967	-0.2	301.0		4.66		TAS		43.0	0.94	m_e	mb 5.7
STU	89.42		P	08:30:12.322	-0.2	301.0		4.66		TAS		129.0	1.23	a_e	mb 6.0
TANN	90.40		P	08:30:17.272	0.2	301.0		4.66		TAS		64.0	1.31	a_e	mb 5.7
TNS	88.28		P	08:30:07.222	0.0	301.0		4.66		TAS		94.0	1.10	a_e	mb 6.0
UBR	90.49		P	08:30:17.372	-0.1	301.0		4.66		TAS		44.7	1.40	a_e	mb 5.6
WET	91.31		P	08:30:21.722	0.0	301.0		4.66		TAS		86.5	1.32	a_e	mb 5.9
WLF	87.24		P	08:30:02.668	0.3	301.0		4.66		TAS		100.5	1.20	m_e	mb 5.8

Event 20920003 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/20	08:37:45.83			56.9150	-157.8710				45.7					73.25	73.25	m i ke	BGR
20920009																	

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 20920009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.25		P	08:49:10.939		348.6		5.32		TAS		18.2	0.74	m_e	mb 5.3
GRA1	73.25		pP	08:49:23.964						T__				m_e	

Event 20920005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/20	09:26:38.00			-18.3470	-178.0340				464.6					147.77	147.77	m i ke	USGS

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.77		PKP	09:45:31.911		16.7		1.82		TAS				m_e	

Event 20920007 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/20	18:23:42.00			55.5320	166.3390				10.0					72.98	72.98	m i ke	USGS

Magnitude Err Nsta Author OrigID

mb	5.5		BGR	20920013
Ms	5.9		BGR	20920013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	72.98		P	18:35:14.347		14.5		5.29		TAS		49.3	1.36	m_e mb	5.5
GRA1	72.98		L	19:09:25.513						T__		7605.8	21.40	a_e Ms	5.9

Event 20920008 Near coast of Michoacan, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/20	19:04:30.00			18.4690	-103.0610				37.2					90.76	90.76	m i ke	USGS

Magnitude Err Nsta Author OrigID

mb	4.9		BGR	20920014
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	90.76		P	19:17:31.351		290.4		4.87		TAS		5.7	0.90	m_e mb	4.9

Event 20921001 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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2022/09/21 09:30:48.00 -5.4700 147.0260 210.0 122.36 122.36 m i ke USGS
20921019

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	122.36		PKP	09:49:18.365		55.3		1.00		TAS				m_e	

Event 20921002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/21	11:49:41.00			52.7620	-31.3220				10.0					26.51	26.51	m i ke	USGS

OrigID
20921020

Magnitude Err Nsta Author OrigID
mb 4.4 BGR 20921008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	26.51		P	11:55:20.347		293.1		8.03		TAS		6.7	0.90	m_e mb	4.4

Event 20921004 Turkey-Iran border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/21	17:57:59.00			38.5060	44.9790				45.5					26.47	26.47	m i ke	USGS

OrigID
20921022

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 20921010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	26.47		P	18:03:34.320		102.1		10.34		TAS		59.6	1.14	m_e mb	5.1

Event 20921005 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
2022/09/21	22:24:55.12			36.7880	140.0570				33.0					82.64	82.64	m i ke	BGR

OrigID
20921011

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 20921011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.64		P	22:37:14.454		44.3		4.51		TAS		19.7	0.93	m_e mb	5.3

Event 20921006 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
2022/09/21	22:36:51.00			35.2280	141.2800				24.5					84.48	84.48	m i ke	USGS
OrigID 20921024																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	20921012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.48		P	22:49:30.832		39.0		4.57		TAS		4.5	0.99	m_e mb	4.7

Event 20922009 Michoacan, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/22	06:16:09.00			18.3080	-102.9230				24.1				29	86.84	92.64	m i ke	USGS
OrigID 20922027																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	20922015
MBB	7.0		BGR	20922015
Ms	7.0		BGR	20922015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.06		S	06:39:37.366	3.4	307.2		5.56		TAS				m_e	
AHRW	88.06		P	06:28:58.809	0.1	301.0		4.69		TAS		289.9	1.28	m_e MBB	7.1
AHRW	88.06		PP	06:32:22.137	-0.1	298.8		7.25		TAS				m_e	
ASSE	89.30		S	06:39:35.717		307.2		5.56		TAS				m_e	
ASSE	89.30		P	06:29:04.459	0.1	301.0		4.69		TAS		252.1	1.28	a_e MBB	7.0
ASSE	89.30		PP	06:32:31.626	0.2	298.8		7.25		TAS				m_e	
BFO	89.80		S	06:39:40.662		307.2		5.56		TAS				m_e	
BFO	89.80		P	06:29:06.759	-0.3	301.0		4.69		TAS		48.1	1.25	a_e MBB	6.8
BFO	89.80		PP	06:32:34.929	0.3	298.8		7.25		TAS				m_e	
BRG	91.69		S	06:39:49.611		307.2		5.56		TAS				m_e	
BRG	91.69		P	06:29:15.559	-0.1	301.0		4.69		TAS		363.6	1.84	a_e MBB	7.0
BRG	91.69		PP	06:32:49.086	0.6	298.8		7.25		TAS				m_e	
BSEG	88.22		S	06:39:27.711	0.8	307.2		5.56		TAS				m_e	
BSEG	88.22		P	06:28:59.259	0.1	301.0		4.69		TAS		237.6	1.19	a_e MBB	7.2
BSEG	88.22		PP	06:32:23.914	0.7	298.8		7.25		TAS				m_e	

BUG	87.76	S	06:39:24.885	-1.9	307.2	5.56	TAS			m_e		
BUG	87.76	P	06:28:57.059	-0.2	301.0	4.69	TAS	123.9	1.25	a_e	MBB	7.1
BUG	87.76	PP	06:32:19.535	-0.6	298.8	7.25	TAS			m_e		
CLL	90.96	S	06:39:45.843		307.2	5.56	TAS			m_e		
CLL	90.96	P	06:29:12.059	-0.1	301.0	4.69	TAS	260.9	1.83	a_e	MBB	7.0
CLL	90.96	PP	06:32:43.659	-0.7	298.8	7.25	TAS			m_e		
CLZ	89.28	S	06:39:36.424		307.2	5.56	TAS			m_e		
CLZ	89.28	P	06:29:04.759	0.5	301.0	4.69	TAS	333.6	1.24	a_e	MBB	7.0
CLZ	89.28	PP	06:32:32.334	-0.0	298.8	7.25	TAS			m_e		
FLT1	89.50	S	06:39:35.717		307.2	5.56	TAS			m_e		
FLT1	89.50	P	06:29:04.909	-0.4	301.0	4.69	TAS	323.6	1.75	a_e	MBB	6.9
FLT1	89.50	PP	06:32:34.221	-0.3	298.8	7.25	TAS			m_e		
FUR	91.61	S	06:39:49.611		307.2	5.56	TAS			m_e		
FUR	91.61	P	06:29:15.409	-0.0	301.0	4.69	TAS	847.1	2.58	a_e	MBB	7.0
FUR	91.61	PP	06:32:46.962	0.1	298.8	7.25	TAS			m_e		
GEC2	92.64	S	06:39:56.440		307.2	5.56	TAS			m_e		
GEC2	92.64	P	06:29:20.159	-0.0	301.0	4.69	TAS	347.1	1.80	a_e	MBB	7.0
GEC2	92.64	PP	06:32:55.220		298.8	7.25	TAS			m_e		
GOR1	89.20	P	06:29:03.909	0.1	301.0	4.69	TAS	208.6	1.46	a_e	MBB	7.0
GOR1	89.20	PP	06:32:32.334	-0.4	298.8	7.25	TAS			m_e		
GRA1	90.81	S	06:39:45.372		307.2	5.56	TAS			m_e		
GRA1	90.81	P	06:29:11.859	0.2	301.0	4.69	TAS	686.3	1.78	a_e	MBB	7.1
GRA1	90.81	PP	06:32:42.007	-1.1	298.8	7.25	TAS			m_e		
GRA1	90.81	L	07:12:04.036				T__	59225.2	18.30	a_e	Ms	7.1
GTTG	89.20	S	06:39:35.717	0.3	307.2	5.56	TAS			m_e		
GTTG	89.20	P	06:29:04.309	0.3	301.0	4.69	TAS	266.7	1.21	a_e	MBB	7.0
GTTG	89.20	PP	06:32:30.446	0.9	298.8	7.25	TAS			m_e		
HLG	86.84	P	06:28:52.759	-0.0	301.0	4.69	TAS	222.9	0.93	a_e	MBB	7.1
IBBN	87.64	S	06:39:24.179	6.4	307.2	5.56	TAS			m_e		
IBBN	87.64	P	06:28:56.559	-0.1	301.0	4.69	TAS	165.0	1.11	a_e	MBB	7.2
IBBN	87.64	PP	06:32:18.165	-0.7	298.8	7.25	TAS			m_e		
KAST	88.51	S	06:39:31.227	-0.4	307.2	5.56	TAS			m_e		
KAST	88.51	P	06:29:00.809	0.0	301.0	4.69	TAS	145.8	1.18	a_e	MBB	7.0
KAST	88.51	PP	06:32:26.435	1.2	298.8	7.25	TAS			m_e		
MOX	90.55	S	06:39:43.017		307.2	5.56	TAS			m_e		
MOX	90.55	P	06:29:10.309	-0.0	301.0	4.69	TAS	348.9	1.82	a_e	MBB	7.0
MOX	90.55	PP	06:32:41.300	-0.7	298.8	7.25	TAS			m_e		
MOX	90.55	L	07:12:57.611				T__	60351.9	19.90	a_e	Ms	7.0
NEUB	90.36	S	06:39:43.017		307.2	5.56	TAS			m_e		
NEUB	90.36	P	06:29:09.209	-0.2	301.0	4.69	TAS	268.6	1.35	a_e	MBB	7.0
NEUB	90.36	PP	06:32:38.940	0.7	298.8	7.25	TAS			m_e		
PLN	90.93	S	06:39:45.843		307.2	5.56	TAS			m_e		
PLN	90.93	P	06:29:12.159	0.1	301.0	4.69	TAS	145.5	1.83	a_e	MBB	6.6
PLN	90.93	PP	06:32:42.243	-0.1	298.8	7.25	TAS			m_e		
RGN	89.43	S	06:39:36.659		307.2	5.56	TAS			m_e		
RGN	89.43	P	06:29:04.909	-0.4	301.0	4.69	TAS	468.5	1.59	a_e	MBB	7.1
RGN	89.43	PP	06:32:33.278	1.1	298.8	7.25	TAS			m_e		
RUE	90.75	S	06:39:42.546		307.2	5.56	TAS			m_e		
RUE	90.75	P	06:29:10.759	-0.2	301.0	4.69	TAS	45.1	0.67	a_e	MBB	7.0

RUE	90.75	PP	06:32:41.772	-0.3	298.8	7.25	TAS											m_e
SCHI	89.82	S	06:39:41.133		307.2	5.56	TAS											m_e
SCHI	89.82	P	06:29:06.509	-0.1	301.0	4.69	TAS	98.4	0.84	a_e	MBB							7.0
SCHI	89.82	PP	06:32:35.401	0.2	298.8	7.25	TAS											m_e
STU	90.10	S	06:39:41.369		307.2	5.56	TAS											m_e
STU	90.10	P	06:29:08.309	0.1	301.0	4.69	TAS	165.2	1.10	a_e	MBB							7.2
STU	90.10	PP	06:32:37.289	-0.3	298.8	7.25	TAS											m_e
TANN	91.13	S	06:39:46.785		307.2	5.56	TAS											m_e
TANN	91.13	P	06:29:13.159	0.1	301.0	4.69	TAS	364.6	1.82	a_e	MBB							7.0
TANN	91.13	PP	06:32:44.131	1.0	298.8	7.25	TAS											m_e
TNS	88.99	S	06:39:34.069	-0.1	307.2	5.56	TAS											m_e
TNS	88.99	P	06:29:03.209	-0.1	301.0	4.69	TAS	262.4	1.21	a_e	MBB							7.0
TNS	88.99	PP	06:32:30.211	1.2	298.8	7.25	TAS											m_e
UBR	91.16	S	06:39:50.553		307.2	5.56	TAS											m_e
UBR	91.16	P	06:29:13.359	0.2	301.0	4.69	TAS	329.7	2.30	a_e	MBB							6.9
UBR	91.16	PP	06:32:45.547	-0.9	298.8	7.25	TAS											m_e
WET	92.02	S	06:39:51.966		307.2	5.56	TAS											m_e
WET	92.02	P	06:29:17.509	0.0	301.0	4.69	TAS	546.3	1.88	a_e	MBB							7.0
WET	92.02	PP	06:32:51.681	-0.4	298.8	7.25	TAS											m_e
WLF	87.92	S	06:39:35.717	-0.4	307.2	5.56	TAS											m_e
WLF	87.92	P	06:28:58.209		301.0	4.69	TAS	224.0	1.17	a_e	MBB							7.1
WLF	87.92	PP	06:32:20.555	-0.2	298.8	7.25	TAS											m_e

Event 20922001 Cook Strait, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/22	09:07:04.00			-40.7600	174.0980				62.9					165.03	165.03	m i ke	USGS
20922019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.03		PKP	09:27:58.327		59.9		3.87		TAS					m_e
GRA1	165.03		pPKP	09:28:17.890						T__					m_e

Event 20922003 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/09/22	10:24:47.51	0.91	0.99	42.6130	13.7090	17.8	12.2	24	10.0				20	310	4.47	8.43	m i ke	BGR
20922009																		

Magnitude Err Nsta Author OrigID

ML	4.0		BGR	20922009
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.81		Pn	10:25:58.081	-0.2					T__				m_e	ML 3.8
BE1	5.58		Pn	10:26:09.510	0.8					T__				m_e	
BERGE	6.54		Sn	10:27:28.031	-2.1					T__				m_e	
BERGE	6.54		Pn	10:26:21.180	-0.5					T__				m_e	
BFO	6.85		Pn	10:26:25.376	-0.4					T__				m_e	
BIOA	5.08		Pn	10:26:01.882	-0.0					T__				m_e	ML 4.2
DAVA	5.40		Pn	10:26:07.640	1.4					T__				m_e	
GEC2	6.23		Pn	10:26:16.800	-0.6					T__				m_e	
KBA	4.47		Pn	10:25:53.761	0.0					T__				m_e	ML 3.9
LESA	4.86		Pn	10:25:59.073	0.0					T__				m_e	ML 4.1
METMA	6.39		Sn	10:27:26.123	-0.4					T__				m_e	
METMA	6.39		Pn	10:26:19.274	-0.3					T__				m_e	
MOA	5.25		Pn	10:26:04.650	0.4					T__				m_e	
MOX	8.16		Pn	10:26:42.198	-1.2					T__				m_e	
RETA	5.30		Pn	10:26:05.849	0.9					T__				m_e	
RJOB	5.16		Pn	10:26:03.372	0.3					T__				m_e	ML 4.0
ROTZ	7.23		Pn	10:26:29.496	-1.4					T__				m_e	
SQTA	4.93		Sn	10:26:55.028	2.5					T__				m_e	
SQTA	4.93		Pn	10:26:01.091	1.1					T__				m_e	ML 4.2
TNS	8.43		Pn	10:26:48.145	1.1					T__				m_e	
UBR	5.67		Pn	10:26:10.314	0.5					T__				m_e	
WALHA	6.07		Pn	10:26:15.158	-0.2					T__				m_e	
WET	6.55		Sn	10:27:30.057	-0.3					T__				m_e	
WET	6.55		Pn	10:26:20.459	-1.4					T__				m_e	

Event 20922006 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/22	13:39:56.20	0.64	0.93	44.0450	8.5490	10.0	8.9	49	10.0			30	298	3.35	6.42	m i ke	BGR
OrigID 20922012																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	20922012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.84		Pn	13:41:20.556	-0.4					T__				m_e	
BE1	4.29		Pn	13:41:00.168	0.2					T__				m_e	ML 4.5
BERGE	3.83		Sn	13:41:34.745	-0.8					T__				m_e	
BERGE	3.83		Pn	13:40:54.728	0.9					T__				m_e	ML 4.3
BFO	4.29		Sn	13:41:45.676	-0.4					T__				m_e	
BFO	4.29		Pn	13:41:00.425	0.5					T__				m_e	ML 4.3
BIOA	5.09		Pn	13:41:10.815	0.1					T__				m_e	
DAVA	3.37		Pn	13:40:48.827	1.2					T__				m_e	ML 4.4
EMING	3.85		Sn	13:41:35.518	-0.5					T__				m_e	

EMING	3.85	Pn	13:40:54.625	0.5	T__	m_e	ML	4.3
FETA	3.35	Pn	13:40:47.691	0.5	T__	m_e	ML	4.0
FUR	4.53	Pn	13:41:02.796	-0.4	T__	m_e		
GEC2	5.97	Pn	13:41:21.293	-1.4	T__	m_e		
GRA1	5.93	Pn	13:41:20.739	-1.4	T__	m_e		
KBA	4.53	Pn	13:41:03.363	0.1	T__	m_e		
LESA	4.44	Sn	13:41:48.940	-0.8	T__	m_e		
LESA	4.44	Pn	13:41:02.833	0.8	T__	m_e	ML	4.3
MANZ	6.42	Pn	13:41:26.185	-2.5	T__	m_e		
METMA	3.67	Pn	13:40:52.311	0.7	T__	m_e	ML	4.1
MOA	5.51	Pn	13:41:16.123	-0.3	T__	m_e		
MOTA	3.75	Sn	13:41:34.430	0.8	T__	m_e		
MOTA	3.75	Pn	13:40:53.748	1.0	T__	m_e	ML	4.3
NORI		Pn	13:41:06.839	-1.2	T__	m_e		
OBKA	4.90	Pn	13:41:07.774	-0.4	T__	m_e		
PART	3.89	Pn	13:40:54.986	0.4	T__	m_e	ML	4.1
RETA	3.77	Sn	13:41:33.771	-0.3	T__	m_e		
RETA	3.77	Pn	13:40:53.851	0.8	T__	m_e	ML	4.1
RJOB	4.73	Pn	13:41:06.043	0.1	T__	m_e		
ROTZ	6.24	Pn	13:41:24.020	-2.3	T__	m_e		
SQTA	3.68	Pn	13:40:52.566	0.8	T__	m_e	ML	4.3
STU	4.75	Pn	13:41:05.448	-0.7	T__	m_e		
TNS	6.18	Pn	13:41:26.453	1.0	T__	m_e		
UBR	3.79	Pn	13:40:53.754	0.5	T__	m_e	ML	4.5
WALHA	3.73	Pn	13:40:53.046	-5.0	T__	m_e	ML	4.4
WET	5.91	Pn	13:41:20.726	-1.0	T__	m_e		
WTTA	3.88	Sn	13:41:37.533	1.0	T__	m_e		
WTTA	3.88	Pn	13:40:55.237	0.8	T__	m_e	ML	4.5
ZUGS	3.77	Sn	13:41:34.899	0.8	T__	m_e		
ZUGS	3.77	Pn	13:40:54.063	1.0	T__	m_e	ML	4.3

Event 20922007 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/22	15:47:52.45	0.81	1.00	43.6600	10.4280	14.5	11.1	6	10.0			31	291	3.37	6.70	m i ke	BGR
20922013																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	20922013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.07		Pn	15:49:06.832	0.1					T__				m_e	
BE1	4.29		Pn	15:48:56.190	0.0					T__				m_e	ML 4.3
BERGE	4.49		Pn	15:48:58.751	-0.2					T__				m_e	ML 3.9
BFO	4.89		Pn	15:49:03.853	-0.5					T__				m_e	
BIOA	4.61		Pn	15:49:01.138	0.6					T__				m_e	ML 4.3

DAVA	3.65	Pn	15:48:48.637	1.1	T__	m_e ML	4.3
EMING	4.38	Pn	15:48:57.074	-0.3	T__	m_e ML	4.1
FETA	3.37	Pn	15:48:43.649	-0.1	T__	m_e ML	3.8
FUR	4.54	Pn	15:48:59.052	-0.5	T__	m_e ML	4.4
GEC2	5.66	Pn	15:49:13.799	-0.9	T__	m_e	
GRA1	6.05	Pn	15:49:17.550	-2.5	T__	m_e	
KBA	3.99	Pn	15:48:52.491	0.4	T__	m_e ML	4.0
KW1	4.71	Pn	15:49:02.294	0.4	T__	m_e	
LESA	4.08	Pn	15:48:53.328	-0.1	T__	m_e ML	4.2
MANZ	6.43	Pn	15:49:22.643	-2.4	T__	m_e	
METMA	4.33	Pn	15:48:56.434	-0.3	T__	m_e ML	4.0
MOA	4.97	Pn	15:49:06.048	0.6	T__	m_e	
MOTA	3.71	Pn	15:48:49.303	0.9	T__	m_e ML	4.1
OBKA	4.08	Pn	15:48:53.527	0.2	T__	m_e	
PART	3.87	Pn	15:48:50.971	0.5	T__	m_e ML	4.0
RETA	3.83	Pn	15:48:50.600	0.6	T__	m_e ML	3.9
RJOB	4.40	Sn	15:49:46.159	1.2	T__	m_e	
RJOB	4.40	Pn	15:48:58.050	0.4	T__	m_e ML	3.8
ROTZ	6.23	Pn	15:49:20.417	-1.9	T__	m_e	
SQTA	3.60	Sn	15:49:26.699	0.4	T__	m_e	
SQTA	3.60	Pn	15:48:47.298	0.4	T__	m_e ML	4.4
TNS	6.70	Pn	15:49:28.659	-0.0	T__	m_e	
UBR	4.02	Sn	15:49:35.247	-0.9	T__	m_e	
UBR	4.02	Pn	15:48:53.114	0.5	T__	m_e ML	4.3
WALHA	4.19	Pn	15:48:54.635	-0.3	T__	m_e ML	4.4
WET	5.74	Pn	15:49:14.317	-1.4	T__	m_e	
WLF	6.68	Pn	15:49:31.160	2.7	T__	m_e	
WTTA	3.70	Pn	15:48:48.651	0.4	T__	m_e ML	4.3
ZUGS	3.77	Pn	15:48:50.366	1.1	T__	m_e ML	4.1

Event 20922008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/22	20:31:24.00			-20.1030	-177.8350				567.0					149.52	149.52	m i ke	USGS
	20922026																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.52		PKPbc	20:50:10.902		17.0		1.67		TAS					m_e
GRA1	149.52		PKPab	20:50:18.113						T__					m_e

Event 20923007 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/23	20:52:58.32			3.5950	95.6790				33.0			28		82.02	86.99	m i ke	BGR
OrigID 20923013																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	20923013
Ms	5.6		BGR	20923013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.37		P	21:05:37.500	0.2	91.9		5.11		TAS		721.0	2.47	a_e	mb	6.4
ASSE	84.12		P	21:05:25.500	0.0	91.9		5.11		TAS		57.6	0.96	a_e	mb	5.8
BFO	85.59		P	21:05:32.800	0.0	91.9		5.11		TAS		51.0	0.92	a_e	mb	5.7
BRG	82.02		P	21:05:15.050	0.1	91.9		5.11		TAS		194.7	1.62	m_e	mb	6.0
BSEG	84.38		P	21:05:27.200	-0.2	91.9		5.11		TAS		139.0	1.01	a_e	mb	6.1
BUG	86.23		P	21:05:36.450	0.2	91.9		5.11		TAS		73.1	0.87	a_e	mb	5.8
CLL	82.64		P	21:05:17.750	-0.4	91.9		5.11		TAS		70.0	1.23	a_e	mb	5.8
CLZ	84.30		P	21:05:26.700	0.1	91.9		5.11		TAS		214.9	1.49	a_e	mb	6.2
FUR	83.62		P	21:05:22.950	-0.2	91.9		5.11		TAS		135.5	1.29	a_e	mb	6.0
GEC2	82.04		P	21:05:15.450	0.4	91.9		5.11		TAS		151.4	1.11	a_e	mb	6.0
GOR1	83.76		P	21:05:23.850	-0.1	91.9		5.11		TAS		373.6	1.77	a_e	mb	6.3
GRA1	83.70		P	21:05:24.100	0.5	91.9		5.11		TAS		118.0	1.13	a_e	mb	6.0
GRA1	83.70		L	21:50:17.692						T__		2841.5	21.10	a_e	Ms	5.6
GTTG	84.54		P	21:05:27.950	-0.1	91.9		5.11		TAS		67.1	1.04	a_e	mb	5.8
HLG	85.82		P	21:05:34.400	-0.0	91.9		5.11		TAS		175.6	0.94	a_e	mb	6.2
IBBN	85.91		P	21:05:34.900	-0.1	91.9		5.11		TAS		94.9	0.84	a_e	mb	6.0
KAST	85.51		P	21:05:32.950	-0.4	91.9		5.11		TAS		127.2	1.52	a_e	mb	5.8
MOX	83.48		P	21:05:22.550	0.1	91.9		5.11		TAS		43.5	1.03	a_e	mb	5.6
MOX	83.48		L	21:49:08.045						T__		2714.7	20.00	a_e	Ms	5.6
NEUB	83.40		P	21:05:21.850	-0.2	91.9		5.11		TAS		98.2	1.16	a_e	mb	5.9
PLN	83.13		P	21:05:20.700	0.0	91.9		5.11		TAS		13.8	0.99	a_e	mb	5.1
RGN	82.65		P	21:05:18.200	0.0	91.9		5.11		TAS		310.0	1.40	a_e	mb	6.3
RUE	82.23		P	21:05:15.900	-0.2	91.9		5.11		TAS		671.0	1.60	a_e	mb	6.5
SCHI	82.85		P	21:05:19.250	0.0	91.9		5.11		TAS		232.0	0.91	a_e	mb	6.4
STU	85.01		P	21:05:30.150	0.2	91.9		5.11		TAS		344.3	1.52	a_e	mb	6.4
TANN	82.93		P	21:05:19.750	0.1	91.9		5.11		TAS		90.1	1.55	a_e	mb	5.8
TNS	85.50		P	21:05:32.950	0.1	91.9		5.11		TAS		95.6	1.27	a_e	mb	5.9
UBR	84.39		P	21:05:26.850	0.0	91.9		5.11		TAS		41.4	0.81	a_e	mb	5.7
WET	82.60		P	21:05:18.200	0.2	91.9		5.11		TAS		61.4	0.93	a_e	mb	5.8
WLF	86.99		P	21:05:40.600		91.9		5.11		TAS		130.1	1.35	a_e	mb	5.9

Event 20924003 Mauritius - Reunion region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/24	17:00:32.58			-19.8010	66.0790				33.0					84.54	84.54	m i ke	BGR
OrigID 20924009																	

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 20924009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 84.54 P 17:13:03.658 127.6 5.95 TAS 5.2 1.04 m_e mb 4.7

Event 20925002 Southern Iran

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/09/25 15:25:13.00 27.7020 56.4540 10.0 26 38.98 43.98 m i ke USGS
 20925020

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 20925008
 Ms 4.0 BGR 20925008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	43.57	P		15:33:19.530	-0.2	105.5		8.38		TAS		16.8	1.27	m_e mb	4.6
ASSE	41.80	P		15:33:05.716	0.2	105.5		8.38		TAS		19.7	1.23	m_e mb	4.7
BFO	42.31	P		15:33:09.161	0.0	105.5		8.38		TAS		10.2	1.17	m_e mb	4.4
BRG	39.47	P		15:32:45.908	-0.1	105.5		8.38		TAS		6.5	1.05	m_e mb	4.2
BSEG	42.58	P		15:33:12.003	-0.5	105.5		8.38		TAS		13.6	0.96	m_e mb	4.7
BUG	43.65	P		15:33:20.552		105.5		8.38		TAS		36.5	1.22	m_e mb	5.0
CLL	40.17	P		15:32:51.685	-0.3	105.5		8.38		TAS		10.7	1.20	m_e mb	4.3
CLZ	41.89	P		15:33:06.368	0.7	105.5		8.38		TAS		15.4	1.00	m_e mb	4.7
FLT1	41.53	P		15:33:02.959	0.3	105.5		8.38		TAS		27.8	1.07	m_e mb	4.9
GEC2	38.98	P		15:32:41.453	0.1	105.5		8.38		TAS		8.6	1.01	m_e mb	4.3
GOR1	41.71	P		15:33:05.094	-0.1	105.5		8.38		TAS		57.0	1.28	m_e mb	5.2
GRA1	40.78	P		15:32:56.951	0.6	105.5		8.38		TAS		26.5	1.00	m_e mb	4.9
GRA1	40.78	L		15:53:13.184						T__		251.9	19.90	a_e Ms	4.1
GTTG	42.05	P		15:33:07.951	0.1	105.5		8.38		TAS		11.4	0.94	m_e mb	4.6
IBBN	43.57	P		15:33:20.804		105.5		8.38		TAS		26.8	1.12	m_e mb	4.9
KAST	42.90	P		15:33:14.394	-0.5	105.5		8.38		TAS		10.8	1.03	m_e mb	4.5
MOX	40.80	P		15:32:56.913	-0.2	105.5		8.38		TAS		8.9	1.21	m_e mb	4.4
MOX	40.80	L		15:53:35.619						T__		199.0	21.20	a_e Ms	4.0
NEUB	40.87	P		15:32:57.514	0.8	105.5		8.38		TAS		10.0	0.91	m_e mb	4.5
PLN	40.42	P		15:32:54.126	-0.2	105.5		8.38		TAS		1.9	1.25	m_e mb	3.6
RGN	41.15	P		15:33:00.407	0.1	105.5		8.38		TAS		94.6	1.17	m_e mb	5.4
SCHI	40.96	P		15:32:58.454	-0.5	105.5		8.38		TAS		76.6	1.25	m_e mb	5.3
STU	41.84	P		15:33:05.005	0.1	105.5		8.38		TAS		18.2	0.70	m_e mb	4.9
TANN	40.22	P		15:32:51.704	-0.5	105.5		8.38		TAS		2.0	0.82	m_e mb	3.8
TNS	42.64	P		15:33:12.328	-0.3	105.5		8.38		TAS		23.6	1.21	m_e mb	4.8
UBR	41.01	P		15:32:57.852	0.0	105.5		8.38		TAS		44.2	1.09	m_e mb	5.1
WET	39.59	P		15:32:45.772	-0.7	105.5		8.38		TAS		16.5	1.16	m_e mb	4.5
WLF	43.98	P		15:33:22.827		105.5		8.38		TAS		29.7	1.18	m_e mb	4.9

Event 20926024 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/26	20:30:16.00		53.8630	-35.2510					10.0			16		25.57	30.45	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20926030
Ms	4.9		BGR	20926030

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	25.84		P	20:35:51.430		296.4		8.88		TAS		27.2	1.16	m_e mb	4.8
BFO	27.55		P	20:36:05.383		296.4		8.88		TAS		41.0	1.54	m_e mb	5.0
BRG	29.67		P	20:36:23.533		296.4		8.88		TAS		10.9	1.15	m_e mb	4.6
BUG	25.60		P	20:35:47.350	0.3	296.4		8.88		TAS		117.2	1.73	m_e mb	5.2
CLL	28.95		P	20:36:17.536	-0.2	296.4		8.88		TAS		34.0	1.30	m_e mb	5.0
CLZ	27.24		P	20:36:02.545	-0.2	296.4		8.88		TAS		37.9	1.43	m_e mb	4.9
FLT1	27.54		P	20:36:04.142	1.0	296.4		8.88		TAS		26.5	1.61	m_e mb	4.8
GEC2	30.45		P	20:36:31.034		296.4		8.88		TAS		24.3	1.31	m_e mb	4.9
GRA1	28.62		P	20:36:15.325		296.4		8.88		TAS		240.7	2.56	m_e mb	5.6
GRA1	28.62		L	20:47:12.960						T__		2844.6	18.30	a_e Ms	4.9
IBBN	25.57		P	20:35:47.371	0.1	296.4		8.88		TAS		85.5	1.33	m_e mb	5.2
KAST	26.36		P	20:35:53.588	-0.3	296.4		8.88		TAS		34.4	1.35	m_e mb	4.8
MOX	28.43		P	20:36:13.149		296.4		8.88		TAS		7.3	1.03	m_e mb	4.5
MOX	28.43		L	20:46:23.115						T__		2768.2	21.00	a_e Ms	4.8
PLN	28.81		P	20:36:16.374		296.4		8.88		TAS		7.7	1.16	m_e mb	4.4
TANN	29.02		P	20:36:18.021		296.4		8.88		TAS		20.4	1.19	m_e mb	4.8
TNS	26.77		P	20:35:58.756		296.4		8.88		TAS		35.4	1.36	m_e mb	4.9
WET	29.83		P	20:36:25.627		296.4		8.88		TAS		12.8	1.29	m_e mb	4.6

Event 20927004 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/27	14:08:40.03	2.62	0.62	40.8730	42.1000	53.4	31.1	155	10.0			32	343	20.07	26.09	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	20927010
Ms	4.4		BGR	20927010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	26.07		P	14:14:13.547	0.8					T__		11.3	0.80	m_e mb	4.5

ARSA	20.07	P	14:13:13.271	0.5	T__	22.5	0.87	m_e	mb	4.4
ASSE	24.18	P	14:13:54.994	-0.2	T__	21.6	1.09	m_e	mb	4.6
BFO	25.01	P	14:14:01.797	-1.2	T__	13.5	1.07	m_e	mb	4.6
BIOA	21.40	P	14:13:27.175	-0.1	T__	5091.7	5.72	m_e	mb	6.0
BRG	21.87	P	14:13:31.679	-0.6	T__	18.4	0.82	m_e	mb	4.5
BSEG	24.91	P	14:14:02.791	0.7	T__	37.3	0.93	m_e	mb	5.1
BUG	26.09	P	14:14:12.516	-0.5	T__				m_e	
CLL	22.56	P	14:13:39.249	-0.1	T__	76.8	1.20	m_e	mb	5.1
CLZ	24.28	P	14:13:56.320	0.1	T__	46.4	1.16	m_e	mb	4.9
FLT1	23.90	P	14:13:52.221	-0.3	T__	66.6	1.09	m_e	mb	5.1
FUR	23.03	P	14:13:44.996	1.0	T__	66.0	1.16	m_e	mb	5.0
GEC2	21.55	P	14:13:28.916	0.1	T__	52.6	0.87	m_e	mb	5.0
GRA1	23.30	P	14:13:46.748	0.1	T__	88.7	1.09	m_e	mb	5.2
GRA1	23.30	L	14:25:03.960		T__	1774.8	18.00	a_e	Ms	4.6
GTTG	24.46	P	14:13:57.467	-0.4	T__	53.5	1.21	m_e	mb	4.9
IBBN	25.96	P	14:14:12.516	0.7	T__	43.5	0.94	m_e	mb	5.1
KAST	25.34	P	14:14:06.435	0.3	T__	41.2	0.99	m_e	mb	5.1
KBA	21.52	P	14:13:29.540	1.0	T__	99.3	1.12	m_e	mb	5.2
LESA	22.01	P	14:13:33.537	-0.1	T__	93.3	0.85	m_e	mb	5.2
MOA	21.00	P	14:13:23.071	0.0	T__	29.9	1.02	m_e	mb	4.6
MOX	23.24	P	14:13:45.541	-0.6	T__	15.6	0.98	m_e	mb	4.5
MOX	23.24	L	14:25:28.699		T__	1033.6	19.00	a_e	Ms	4.3
OBKA	20.64	P	14:13:19.590	0.5	T__	103.0	1.37	m_e	mb	5.0
PLN	22.87	P	14:13:42.625	0.2	T__	4.9	1.07	m_e	mb	4.0
RETA	23.31	P	14:13:45.970	-0.8	T__	34.8	0.81	m_e	mb	4.9
RUE	22.46	P	14:13:37.638	-0.7	T__	57.1	0.73	m_e	mb	5.1
STU	24.48	P	14:13:57.318	-0.7	T__	223.3	0.80	m_e	mb	5.7
TANN	22.67	P	14:13:39.926	-0.4	T__	19.0	0.95	m_e	mb	4.6
TNS	25.15	P	14:14:05.713	1.4	T__	55.1	1.31	m_e	mb	5.1
UBBA	24.28	P	14:13:55.715	-0.5	T__	34.4	1.51	m_e	mb	4.7
UBR	23.76	P	14:13:50.787	-0.4	T__	194.7	1.51	m_e	mb	5.4
WET	22.13	P	14:13:34.070	-0.9	T__	94.1	1.49	m_e	mb	5.0

Event 20928008 Leeward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/28	19:48:33.31			16.7750	-61.4860				10.0			29		62.94	69.10	m i ke	BGR
	20928014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	20928014
Ms	4.8		BGR	20928014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	63.62		P	19:59:04.894	0.5	268.1		6.43		TAS		35.0	0.81	m_e	mb	5.6
ARSA	69.10		P	19:59:39.333		268.1		6.43		TAS		6.7	0.92	m_e	mb	4.9

ASSE	65.99	P	19:59:19.980	-0.1	268.1	6.43	TAS	21.5	0.97	m_e	mb	5.3
BFO	64.26	P	19:59:08.147	-0.3	268.1	6.43	TAS	6.4	0.97	m_e	mb	4.8
BIOA	67.81	P	19:59:31.095		268.1	6.43	TAS	5.3	0.76	m_e	mb	4.8
BRG	67.99	P	19:59:32.345		268.1	6.43	TAS	10.0	0.80	m_e	mb	5.1
BSEG	65.89	P	19:59:18.514	-0.2	268.1	6.43	TAS	30.1	1.46	m_e	mb	5.3
BUG	63.83	P	19:59:05.429	-0.2	268.1	6.43	TAS	8.7	0.79	m_e	mb	5.0
CLL	67.40	P	19:59:28.504		268.1	6.43	TAS	11.5	1.01	m_e	mb	5.1
CLZ	65.79	P	19:59:18.446	-0.0	268.1	6.43	TAS	13.6	0.87	m_e	mb	5.2
FLT1	66.34	P	19:59:21.685	-0.2	268.1	6.43	TAS	11.2	0.92	m_e	mb	5.1
FUR	66.22	P	19:59:21.419	0.2	268.1	6.43	TAS	10.1	0.82	m_e	mb	5.1
GEC2	67.84	P	19:59:31.487		268.1	6.43	TAS	6.7	0.84	m_e	mb	4.9
GOR1	66.42	P	19:59:22.282	-0.1	268.1	6.43	TAS	26.6	1.04	m_e	mb	5.4
GRA1	66.22	P	19:59:21.174	-0.2	268.1	6.43	TAS	10.2	0.98	m_e	mb	5.0
GRA1	66.22	L	20:22:51.392				T__	493.8	20.00	a_e	Ms	4.7
GTTG	65.51	P	19:59:16.801	0.3	268.1	6.43	TAS	29.6	1.36	m_e	mb	5.3
IBBN	64.22	P	19:59:07.962	-0.1	268.1	6.43	TAS	20.1	0.79	m_e	mb	5.4
KAST	64.52	P	19:59:10.008	-0.1	268.1	6.43	TAS	8.3	0.84	m_e	mb	5.0
MOA	68.23	P	19:59:33.780		268.1	6.43	TAS	7.4	0.86	m_e	mb	4.9
MOX	66.51	P	19:59:22.836	-0.2	268.1	6.43	TAS	3.6	0.89	m_e	mb	4.6
MOX	66.51	L	20:23:54.604				T__	626.9	18.50	a_e	Ms	4.9
NEUB	66.63	P	19:59:23.615	0.4	268.1	6.43	TAS	9.7	0.58	m_e	mb	5.2
OBKA	68.46	P	19:59:35.697		268.1	6.43	TAS	17.6	1.05	m_e	mb	5.2
PLN	66.85	P	19:59:25.113	-0.2	268.1	6.43	TAS	2.4	1.08	m_e	mb	4.3
STU	64.86	P	19:59:12.287	0.1	268.1	6.43	TAS	49.7	0.88	m_e	mb	5.8
TANN	67.04	P	19:59:26.510		268.1	6.43	TAS	10.9	1.05	m_e	mb	5.0
TNS	64.47	P	19:59:10.008	0.2	268.1	6.43	TAS	32.4	1.19	m_e	mb	5.4
UBBA	65.49	P	19:59:16.501	0.5	268.1	6.43	TAS	7.1	1.21	m_e	mb	4.8
WET	67.30	P	19:59:28.296		268.1	6.43	TAS	8.3	0.96	m_e	mb	4.9
WLF	62.94	P	19:58:59.751	-0.3	268.1	6.43	TAS	14.8	1.04	m_e	mb	5.0

Event 20929005 East of South Sandwich Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/29	03:03:24.00			-60.8310	-20.0250				11.0			29		110.91	118.07	m i ke	USGS
20929023																	

Magnitude Err Nsta Author OrigID
Ms 6.3 BGR 20929011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	113.17		SKSac	03:28:49.363	1.4	185.3		3.66		TAS				a_e	
AHRW	113.17		PS	03:32:29.226	1.6	198.5		9.46		TAS				a_e	
ASSE	115.29		SKSac	03:28:54.063	-0.2	185.3		3.66		TAS				a_e	
ASSE	115.29		PS	03:32:47.826	-0.3	198.5		9.46		TAS				a_e	
BFO	111.23		SKSac	03:28:38.363	-1.6	185.3		3.66		TAS				a_e	
BFO	111.23		PS	03:32:10.508	0.9	198.5		9.46		TAS				m_e	

BRG	114.68	SKSac	03:28:50.863	0.3	185.3	3.66	TAS	a_e		
BRG	114.68	PS	03:32:43.076	-0.2	198.5	9.46	TAS	a_e		
BSEG	116.97	SKSac	03:28:59.913	-0.9	185.3	3.66	TAS	a_e		
BSEG	116.97	PS	03:33:04.976	1.2	198.5	9.46	TAS	a_e		
BUG	114.08	SKSac	03:28:51.563	0.3	185.3	3.66	TAS	a_e		
BUG	114.08	PS	03:32:35.576	-0.6	198.5	9.46	TAS	a_e		
BUG	114.08	PP	03:22:56.477		196.4	7.16	TAS	m_e		
CLL	114.92	SKSac	03:28:50.963	-0.9	185.3	3.66	TAS	a_e		
CLL	114.92	PS	03:32:45.226	-0.0	198.5	9.46	TAS	a_e		
CLZ	114.97	SKSac	03:28:53.163	-0.0	185.3	3.66	TAS	a_e		
CLZ	114.97	PS	03:32:45.026	0.0	198.5	9.46	TAS	a_e		
FLT1	115.58	SKSac	03:28:54.063	-1.1	185.3	3.66	TAS	a_e		
FLT1	115.58	PS	03:32:50.326	-0.7	198.5	9.46	TAS	a_e		
FLT1	115.58	PP	03:23:07.251		196.4	7.16	TAS	m_e		
FUR	111.58	SKSac	03:28:40.013	0.1	185.3	3.66	TAS	a_e		
FUR	111.58	PS	03:32:13.776	0.1	198.5	9.46	TAS	a_e		
FUR	111.58	PP	03:22:38.077	-0.2	196.4	7.16	TAS	m_e		
GEC2	112.70	SKSac	03:28:42.813	-0.3	185.3	3.66	TAS	a_e		
GEC2	112.70	PS	03:32:23.376	-1.4	198.5	9.46	TAS	a_e		
GEC2	112.70	PP	03:22:47.028	0.3	196.4	7.16	TAS	m_e		
GRA1	113.04	SKSac	03:28:44.013	-1.5	185.3	3.66	TAS	a_e		
GRA1	113.04	PS	03:32:26.926	-0.3	198.5	9.46	TAS	a_e		
GRA1	113.04	L	04:05:04.546				T__		7485.6	20.30
GTTG	114.61	SKSac	03:28:52.613	0.6	185.3	3.66	TAS	a_e	Ms	6.3
GTTG	114.61	PS	03:32:42.476	0.8	198.5	9.46	TAS	a_e		
HLG	116.83	SKSac	03:29:00.363	-1.1	185.3	3.66	TAS	a_e		
HLG	116.83	PS	03:33:01.976	-0.2	198.5	9.46	TAS	a_e		
IBBN	114.99	SKSac	03:28:54.363	-0.2	185.3	3.66	TAS	a_e		
IBBN	114.99	PS	03:32:45.226	0.4	198.5	9.46	TAS	a_e		
KAST	114.03	SKSac	03:28:51.663	1.1	185.3	3.66	TAS	a_e		
KAST	114.03	PS	03:32:35.576	-0.3	198.5	9.46	TAS	a_e		
MOX	114.03	SKSac	03:28:49.863	0.8	185.3	3.66	TAS	a_e		
MOX	114.03	PS	03:32:37.176	0.6	198.5	9.46	TAS	a_e		
MOX	114.03	L	04:06:02.306				T__		7968.5	19.50
NEUB	114.59	SKSac	03:28:50.313	-0.8	185.3	3.66	TAS	a_e	Ms	6.3
NEUB	114.59	PS	03:32:42.226	0.4	198.5	9.46	TAS	a_e		
NEUB	114.59	PP	03:23:00.455		196.4	7.16	TAS	m_e		
PLN	113.98	SKSac	03:28:50.063	1.4	185.3	3.66	TAS	a_e		
PLN	113.98	PS	03:32:36.076	-0.1	198.5	9.46	TAS	m_e		
PLN	113.98	PP	03:22:55.814		196.4	7.16	TAS	m_e		
RGN	118.07	SKSac	03:29:04.113	0.4	185.3	3.66	TAS	a_e		
RGN	118.07	PS	03:33:15.026	0.3	198.5	9.46	TAS	a_e		
RUE	116.18	SKSac	03:28:56.263	-0.1	185.3	3.66	TAS	a_e		
RUE	116.18	PS	03:32:56.876	-0.3	198.5	9.46	TAS	a_e		
SCHI	116.83	SKSac	03:28:59.563	0.3	185.3	3.66	TAS	a_e		
SCHI	116.83	PS	03:33:02.576	-0.5	198.5	9.46	TAS	a_e		
SCHI	116.83	PP	03:23:15.374		196.4	7.16	TAS	m_e		
STU	111.80	SKSac	03:28:41.913	0.2	185.3	3.66	TAS	a_e		
STU	111.80	PS	03:32:15.576	0.4	198.5	9.46	TAS	a_e		

TANN	113.96	SKSac	03:28:49.963	1.5	185.3	3.66	TAS	m_e
TANN	113.96	PS	03:32:36.676	0.5	198.5	9.46	TAS	a_e
TNS	113.08	SKSac	03:28:47.763	0.8	185.3	3.66	TAS	a_e
TNS	113.08	PS	03:32:26.426	-0.6	198.5	9.46	TAS	a_e
UBBA	113.92	SKSac	03:28:50.063	0.7	185.3	3.66	TAS	a_e
UBBA	113.92	PS	03:32:35.426	0.3	198.5	9.46	TAS	a_e
UBR	110.91	SKSac	03:28:37.463	-0.5	185.3	3.66	TAS	a_e
UBR	110.91	PS	03:32:08.876	1.9	198.5	9.46	TAS	a_e
UBR	110.91	PP	03:22:33.602	0.1	196.4	7.16	TAS	m_e
WET	112.83	SKSac	03:28:43.513	-0.4	185.3	3.66	TAS	a_e
WET	112.83	PS	03:32:24.926	-0.8	198.5	9.46	TAS	a_e
WET	112.83	PP	03:22:46.697	0.2	196.4	7.16	TAS	m_e
WLF	112.18	SKSac	03:28:44.413	-0.3	185.3	3.66	TAS	a_e
WLF	112.18	PS	03:32:14.912	-3.2	198.5	9.46	TAS	m_e
WLF	112.18	PP	03:22:42.553	-0.7	196.4	7.16	TAS	m_e

Event 20930011 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/09/30	19:28:48.94		2.4800	97.4120				33.0				32		82.70	88.96	m i ke	BGR
OrigID 20930017																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	20930017
Ms	5.3		BGR	20930017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.33		P	19:41:37.584		91.3		4.96		TAS		53.8	1.08	m_e	mb 5.8
ARSA	82.70		P	19:41:10.009	0.5	91.3		4.96		TAS		28.0	1.13	m_e	mb 5.4
ASSE	86.06		P	19:41:26.128	-0.1	91.3		4.96		TAS		47.7	1.11	m_e	mb 5.5
BFO	87.57		P	19:41:33.564		91.3		4.96		TAS		24.7	1.25	m_e	mb 5.4
BRG	83.97		P	19:41:16.038	0.1	91.3		4.96		TAS		26.2	1.16	m_e	mb 5.3
BSEG	86.30		P	19:41:27.300	0.1	91.3		4.96		TAS		103.6	1.31	m_e	mb 5.8
BUG	88.18		P	19:41:36.822		91.3		4.96		TAS		84.8	1.21	m_e	mb 6.0
CLL	84.59		P	19:41:18.375	-0.1	91.3		4.96		TAS		20.2	1.17	m_e	mb 5.2
CLZ	86.24		P	19:41:27.380	-0.2	91.3		4.96		TAS		88.4	1.26	m_e	mb 5.8
FETA	85.96		P	19:41:26.182	0.3	91.3		4.96		TAS		23.2	1.22	m_e	mb 5.2
FUR	85.60		P	19:41:23.515	-0.1	91.3		4.96		TAS		33.8	0.99	m_e	mb 5.4
GEC2	84.02		P	19:41:16.035	0.2	91.3		4.96		TAS		56.1	1.32	m_e	mb 5.6
GOR1	85.69		P	19:41:24.718	-0.3	91.3		4.96		TAS		62.5	1.25	m_e	mb 5.6
GRA1	85.67		P	19:41:24.631	-0.2	91.3		4.96		TAS		45.5	1.20	m_e	mb 5.5
GRA1	85.67		L	20:26:36.599						T__		1233.5	19.00	a_e	Ms 5.3
GTTG	86.49		P	19:41:28.410	0.3	91.3		4.96		TAS		77.8	1.14	m_e	mb 5.7
IBBN	87.85		P	19:41:35.296		91.3		4.96		TAS		142.8	1.22	m_e	mb 6.2
KAST	87.46		P	19:41:33.151		91.3		4.96		TAS		65.3	1.47	m_e	mb 5.5
MOA	83.59		P	19:41:13.559	-0.4	91.3		4.96		TAS		28.1	1.25	m_e	mb 5.3

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MOX	85.44	P	19:41:22.814	0.5	91.3	4.96	TAS	33.6	1.31	m_e	mb	5.4
MOX	85.44	L	20:24:15.304				T__	1558.7	21.80	a_e	Ms	5.4
NEUB	85.35	P	19:41:22.840	-0.1	91.3	4.96	TAS	75.2	1.29	m_e	mb	5.8
OBKA	83.32	P	19:41:12.858	0.3	91.3	4.96	TAS	49.8	1.36	m_e	mb	5.6
PLN	85.09	P	19:41:21.395	0.3	91.3	4.96	TAS	6.1	1.10	m_e	mb	4.8
RETA	85.94	P	19:41:25.464	-0.3	91.3	4.96	TAS	21.2	0.97	m_e	mb	5.2
RUE	84.17	P	19:41:17.096	-0.6	91.3	4.96	TAS	94.3	0.92	m_e	mb	6.0
SCHI	84.78	P	19:41:19.937	-0.4	91.3	4.96	TAS	136.1	1.03	m_e	mb	6.1
STU	86.99	P	19:41:30.565		91.3	4.96	TAS	108.5	1.60	m_e	mb	5.7
TANN	84.89	P	19:41:20.862	-0.5	91.3	4.96	TAS	18.2	1.38	m_e	mb	5.1
TNS	87.46	P	19:41:33.497		91.3	4.96	TAS	47.8	1.01	m_e	mb	5.6
UBBA	86.46	P	19:41:28.168	0.1	91.3	4.96	TAS	49.8	1.54	m_e	mb	5.4
UBR	86.38	P	19:41:27.513	0.0	91.3	4.96	TAS	27.5	1.31	m_e	mb	5.2
WET	84.57	P	19:41:18.564	0.4	91.3	4.96	TAS	35.5	1.28	m_e	mb	5.4
WLF	88.96	P	19:41:40.952		91.3	4.96	TAS	74.7	1.25	m_e	mb	5.8