

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

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

January 2021          UPDATED 22.July 2022

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

## Event 10101003 Off coast of central America

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/01	22:11:29.44			12.8660	-90.3020				33.0					87.55	87.59	m i ke	BGR
OrigID 10101009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10101009
Ms	4.5		BGR	10101009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	87.59		P	22:24:14.133		278.9		5.34		TAS		4.4	0.86	m_e	mb 4.8
GRA1	87.59		L	23:04:08.133						T__		216.7	19.40	a_e	Ms 4.6
MOX	87.55		L	23:05:06.464						T__		163.3	19.30	a_e	Ms 4.5

## Event 10102002 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/02	08:34:18.10			-5.7200	153.0600				10.0					124.83	125.66	m i ke	EMSC
OrigID 10102034																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	10102008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	125.66		PKPdf	08:53:19.056		49.2		1.03		TAS		8.6	1.11	m_e	
GRA1	125.66		L	09:50:21.675						T__		117.8	19.90	a_e	Ms 4.6
MOX	124.83		L	09:50:49.580						T__		117.8	20.30	a_e	Ms 4.5

Event 10102003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/02	11:15:49.20			-17.8900	-178.4100				564.0					147.25	147.25	m i ke	EMSC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.25		PKPbc	11:34:30.368		17.2		1.95		TAS					m_e

Event 10103002 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/03	05:24:15.90			25.9300	128.4600				10.0					85.55	86.32	m i ke	EMSC

Magnitude Err Nsta Author OrigID  
Ms 5.0 BGR 10103008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.32		PcP	05:37:03.013		53.3		4.48		TAS		12.8	0.99	m_e	
GRA1	86.32		L	06:19:47.251						T__		410.8	20.10	a_e Ms	4.8
MOX	85.55		L	06:19:12.895						T__		803.1	18.30	a_e Ms	5.2

Event 10103003 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/03	06:42:30.50			25.9900	128.4900				10.0					85.51	86.29	m i ke	EMSC

Magnitude Err Nsta Author OrigID  
Ms 4.8 BGR 10103009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.29		PcP	06:55:17.650		53.3		4.58		TAS					m_e
GRA1	86.29		L	07:37:20.843						T__		338.3	18.00	a_e Ms	4.8
MOX	85.51		L	07:37:17.730						T__		447.3	18.40	a_e Ms	4.9

Event 10103004 Kodiak Island, Alaska, United States, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/03	08:45:02.29			57.6540	-153.8260				33.0					72.18	72.18	m i ke	BGR
OrigID 10103010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10103010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	72.18		P	08:56:22.890		347.4		5.51		TAS		8.8	0.90	m_e mb	4.9

Event 10103005 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/03	12:38:53.93			51.3460	178.4570				33.0				27	73.62	80.71	m i ke	BGR
OrigID 10103011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	10103011
MBB	6.5		BGR	10103011
Ms	5.8		BGR	10103011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.25		P	12:50:37.673	-0.2	8.1		5.52		TAS		521.0	1.63	m_e MBB	6.6
BFO	80.21		P	12:50:59.469	-0.3	8.1		5.52		TAS		458.6	1.94	m_e MBB	6.1
BRG	77.18		P	12:50:42.784	-0.2	8.1		5.52		TAS		461.2	1.95	m_e MBB	6.3
BSEG	74.49		P	12:50:28.236	0.1	8.1		5.52		TAS		339.7	1.04	m_e MBB	6.6
BUG	77.18		P	12:50:42.811	-0.2	8.1		5.52		TAS		567.2	1.63	m_e MBB	6.6
CLL	76.85		P	12:50:40.861	-0.4	8.1		5.52		TAS		692.3	2.04	m_e MBB	6.4
CLZ	76.56		P	12:50:40.040	0.4	8.1		5.52		TAS		245.7	1.01	m_e MBB	6.6
FLT1	76.00		P	12:50:36.058	-0.5	8.1		5.52		TAS		135.4	0.88	m_e MBB	6.5
FUR	80.13		P	12:50:59.439	0.1	8.1		5.52		TAS		247.0	1.27	m_e MBB	6.3
GEC2	79.21		P	12:50:54.342	0.1	8.1		5.52		TAS		406.7	1.88	m_e MBB	6.2
GOR1	75.35		P	12:50:32.974	0.1	8.1		5.52		TAS		309.5	1.16	m_e MBB	6.6
GRA1	78.62		P	12:50:51.541	0.6	8.1		5.52		TAS		904.4	1.78	m_e mb	6.5
GRA1	78.62		L	13:32:10.774						T__		3694.2	20.20	a_e Ms	5.7
GTTG	76.89		P	12:50:41.625	0.2	8.1		5.52		TAS		279.9	1.21	m_e MBB	6.5
HLG	74.42		P	12:50:27.761	0.1	8.1		5.52		TAS		1761.8	1.64	m_e MBB	6.9
IBBN	76.29		P	12:50:38.342	0.3	8.1		5.52		TAS		377.4	0.78	m_e MBB	6.9
KAST	77.35		P	12:50:43.874	-0.0	8.1		5.52		TAS		100.3	0.99	m_e MBB	6.4
MOX	77.64		P	12:50:45.634	0.1	8.1		5.52		TAS		68.1	0.78	m_e MBB	6.4
MOX	77.64		L	13:32:57.702						T__		4791.6	18.50	a_e Ms	5.8

NEUB	77.08	P	12:50:42.452	-0.1	8.1	5.52	TAS	281.2	1.09	m_e	MBB	6.6
PLN	77.75	P	12:50:46.226	0.1	8.1	5.52	TAS	19.0	0.74	m_e	MBB	5.9
RETH	75.75	P	12:50:35.106	-0.0	8.1	5.52	TAS	608.2	1.76	m_e	MBB	6.6
RGN	73.62	P	12:50:23.356	-0.0	8.1	5.52	TAS	400.0	0.82	m_e	MBB	6.7
RUE	75.62	P	12:50:34.324	-0.1	8.1	5.52	TAS	867.7	1.96	m_e	MBB	6.5
STU	79.70	P	12:50:56.781	-0.2	8.1	5.52	TAS	312.4	1.10	m_e	MBB	6.5
TANN	77.79	P	12:50:46.514	0.1	8.1	5.52	TAS	405.6	1.93	m_e	MBB	6.4
TNS	78.32	P	12:50:49.320	0.0	8.1	5.52	TAS	107.2	0.82	m_e	MBB	6.4
UBR	80.71	P	12:51:02.268	-0.3	8.1	5.52	TAS	110.8	1.17	m_e	MBB	6.2
WET	79.00	P	12:50:53.359	0.3	8.1	5.52	TAS	343.4	1.91	m_e	MBB	6.2

Event 10104001 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/04	06:49:56.90	0.59	0.58	45.5340	16.3190	6.7	5.6	91	10.0			31	306	1.57	8.42	m i ke	BGR
10104007																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	10104007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.80		Pn	06:50:26.694	-0.4					T__				m_e	ML 3.7
BALST	6.22		Pn	06:51:25.987	-0.8					T__				m_e	
BFO	6.14		Pn	06:51:24.601	-1.0					T__				m_e	
BIOA	2.84		Pn	06:50:40.712	-0.4					T__				m_e	ML 4.2
BRG	5.57		Pn	06:51:18.226	0.3					T__				m_e	
BUG	8.42		Pn	06:51:57.552	1.2					T__				m_e	
CLL	6.18		Pn	06:51:26.268	0.1					T__				m_e	
CLZ	7.43		Pn	06:51:44.158	1.2					T__				m_e	
DAVA	4.78		Pn	06:51:07.879	0.6					T__				m_e	ML 4.5
FETA	4.15		Pn	06:50:59.453	0.7					T__				m_e	ML 4.2
FUR	4.34		Sn	06:51:47.976	-0.1					T__				m_e	
FUR	4.34		Pn	06:51:01.035	-0.4					T__				m_e	ML 4.7
GEC2	3.76		Sn	06:51:33.772	-0.7					T__				m_e	
GEC2	3.76		Pn	06:50:53.894	0.4					T__				m_e	ML 4.3
GRA1	5.40		Sn	06:52:13.562	0.8					T__				m_e	
GRA1	5.40		Pn	06:51:15.293	-0.3					T__				m_e	ML 4.7
KAST	7.73		Pn	06:51:47.263	0.2					T__				m_e	
KBA	2.57		Pn	06:50:37.262	-0.3					T__				m_e	ML 4.1
LESA	3.15		Sn	06:51:19.313	-0.8					T__				m_e	
LESA	3.15		Pn	06:50:44.651	-0.6					T__				m_e	ML 4.1
MOA	2.71		Sn	06:51:10.685	0.7					T__				m_e	
MOA	2.71		Pn	06:50:39.726	0.3					T__				m_e	ML 4.1
MOTA	4.03		Pn	06:50:57.473	0.3					T__				m_e	ML 4.3
MOX	6.00		Pn	06:51:23.620	-0.1					T__				m_e	
OBKA	1.57		Sn	06:50:42.780	-0.5					T__				m_e	

OBKA	1.57	Pn	06:50:23.278	-0.7	T__	m_e		
PLONS	5.04	Pn	06:51:10.680	-0.1	T__	m_e ML	4.2	
RETA	4.30	Sn	06:51:47.880	0.7	T__	m_e		
RETA	4.30	Pn	06:51:00.826	-0.0	T__	m_e ML	4.4	
SLE	5.83	Pn	06:51:20.461	-0.9	T__	m_e		
SQTA	3.92	Pn	06:50:56.419	0.8	T__	m_e ML	4.3	
SULZ	6.00	Pn	06:51:23.944	0.2	T__	m_e		
TANN	5.52	Sn	06:52:14.930	-0.8	T__	m_e		
TANN	5.52	Pn	06:51:17.387	0.1	T__	m_e		
TNS	7.07	Pn	06:51:37.835	-0.2	T__	m_e		
UBR	4.79	Pn	06:51:06.914	-0.4	T__	m_e ML	4.6	
WET	4.30	Sn	06:51:47.205	0.1	T__	m_e		
WET	4.30	Pn	06:51:00.365	-0.4	T__	m_e ML	4.4	
WILA	5.45	Pn	06:51:16.825	0.5	T__	m_e		
WTTA	3.67	Sn	06:51:32.998	0.6	T__	m_e		
WTTA	3.67	Pn	06:50:52.532	0.2	T__	m_e ML	4.4	

Event 10104003 Greenland Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/04	14:38:53.84			73.1950	7.4030				33.0					23.61	23.61	m i ke	BGR
OrigID 10104009																	

Magnitude Err Nsta Author OrigID  
mb 4.6 BGR 10104009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.61		P	14:44:01.908		356.7		9.64		TAS		28.9	1.47	m_e mb	4.6

Event 10106002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	04:59:12.60			-16.9100	-179.1800				567.0					146.15	146.15	m i ke	GFZ
OrigID 10106054																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.15		PKPbc	05:17:50.150		18.1		1.93		TAS		5.1	0.85	m_e	

Event 10106003 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	06:20:35.50			-29.1100	-177.0600				40.0					157.44	158.43	m i ke	EMSC
OrigID 10106035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.1		BGR	10106009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.43		PKPdf	06:40:26.958		45.4		0.59		TAS				m_e	
GRA1	158.43		PKPab	06:41:01.690		20.1		4.02		TAS				m_e	
GRA1	158.43		L	08:00:02.307						T__		2581.9	21.70	a_e Ms	6.0
MOX	157.44		L	07:52:09.495						T__		3056.0	21.90	a_e Ms	6.1

Event 10106004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	12:28:14.60			-15.3100	-176.1200				349.0					145.10	145.10	m i ke	EMSC
OrigID 10106036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.1		BGR	10106009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.10		PKP	12:47:11.667		12.5		2.07		TAS				m_e	

Event 10106006 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	16:52:16.10			-6.9900	155.8200				42.0					127.25	128.09	m i ke	EMSC
OrigID 10106038																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	10106012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	128.09		PKPdf	17:11:16.933		47.0		1.15		TAS				m_e	
GRA1	128.09		L	18:10:06.051						T__		827.3	21.40	a_e Ms	5.4
MOX	127.25		L	18:10:13.451						T__		502.1	21.50	a_e Ms	5.2

Event 10106005 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	17:01:45.07	0.50	0.64	45.4430	16.3970	5.6	4.4	158	10.0				41 304	1.67	8.91	m i k e	BGR
10106011																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.2		BGR	10106011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.91		Pn	17:02:15.846	-0.8					T__				m_e	ML 4.5
ASSE	7.68		Pn	17:03:35.506	1.0					T__				m_e	
BALST	6.31		Pn	17:03:15.268	-0.8					T__				m_e	
BFO	6.23		Pn	17:03:13.797	-1.2					T__				m_e	
BIOA	2.94		Sn	17:03:02.760	-0.8					T__				m_e	
BIOA	2.94		Pn	17:02:30.136	-0.6					T__				m_e	ML 5.1
BRG	5.67		Sn	17:04:07.411	0.1					T__				m_e	
BRG	5.67		Pn	17:03:07.443	-0.0					T__				m_e	
BUG	8.52		Pn	17:03:46.948	1.1					T__				m_e	
CLL	6.28		Pn	17:03:15.537	-0.2					T__				m_e	
CLZ	7.54		Pn	17:03:33.504	0.9					T__				m_e	
DAVA	4.87		Pn	17:02:56.938	0.3					T__				m_e	ML 5.4
FETA	4.24		Pn	17:02:48.798	0.7					T__				m_e	ML 5.2
FLT1	7.68		Pn	17:03:34.756	0.2					T__				m_e	
FUR	4.44		Sn	17:03:38.508	-0.1					T__				m_e	
FUR	4.44		Pn	17:02:50.259	-0.7					T__				m_e	ML 5.7
GEC2	3.87		Sn	17:03:25.344	0.2					T__				m_e	
GEC2	3.87		Pn	17:02:43.181	0.1					T__				m_e	ML 5.2
GOR1	8.25		Pn	17:03:42.949	0.8					T__				m_e	
GRA1	5.50		Sn	17:04:02.259	-1.1					T__				m_e	
GRA1	5.50		Pn	17:03:04.252	-0.9					T__				m_e	ML 5.6
GTTG	7.45		Pn	17:03:32.200	0.8					T__				m_e	
IBBN	8.91		Pn	17:03:52.097	1.0					T__				m_e	
KAST	7.83		Pn	17:03:36.202	-0.4					T__				m_e	
KBA	2.67		Sn	17:02:56.605	-0.6					T__				m_e	ML 5.0
LESA	3.25		Sn	17:03:11.462	0.9					T__				m_e	
LESA	3.25		Pn	17:02:34.242	-0.5					T__				m_e	ML 5.3
MOA	2.82		Sn	17:02:59.664	-0.9					T__				m_e	
MOA	2.82		Pn	17:02:29.080	0.1					T__				m_e	ML 5.1
MOTA	4.12		Pn	17:02:46.613						T__				m_e	ML 5.2
MOX	6.11		Pn	17:03:13.240	-0.1					T__				m_e	
NEUB	6.52		Pn	17:03:19.313	0.4					T__				m_e	
OBKA	1.67		Sn	17:02:34.070	0.3					T__				m_e	
OBKA	1.67		Pn	17:02:13.554	0.0					T__				m_e	
PLN	5.79		Sn	17:04:09.998	-0.1					T__				m_e	
PLN	5.79		Pn	17:03:08.921	-0.1					T__				m_e	
PLONS	5.12		Sn	17:03:55.034	0.5					T__				m_e	
PLONS	5.12		Pn	17:03:00.153	0.1					T__				m_e	ML 5.1
RETA	4.39		Pn	17:02:49.976	-0.3					T__				m_e	ML 5.3

RETH	8.63	Pn	17:03:47.980	0.7	T__	m_e		
RUE	7.24	Pn	17:03:28.717	0.1	T__	m_e		
SLE	5.92	Pn	17:03:09.601	-1.2	T__	m_e		
SQTA	4.01	Sn	17:03:29.663	1.2	T__	m_e		
SQTA	4.01	Pn	17:02:45.394	0.4	T__	m_e ML	5.2	
SULZ	6.09	Pn	17:03:12.245	-0.8	T__	m_e		
TANN	5.63	Pn	17:03:06.732	-0.2	T__	m_e		
TNS	7.17	Pn	17:03:27.750	0.1	T__	m_e		
UBR	4.88	Sn	17:03:48.042	-0.8	T__	m_e		
UBR	4.88	Pn	17:02:56.469	-0.3	T__	m_e ML	5.5	
WET	4.41	Sn	17:03:38.049	0.3	T__	m_e		
WET	4.41	Pn	17:02:49.979	-0.4	T__	m_e ML	5.2	
WILA	5.54	Pn	17:03:05.494	-0.2	T__	m_e		
WLF	8.11	Pn	17:03:40.842	0.5	T__	m_e		
WTTA	3.76	Sn	17:03:23.892	1.1	T__	m_e		
WTTA	3.76	Pn	17:02:42.193	0.4	T__	m_e ML	5.3	

Event 10106007 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	17:28:35.20			-4.3100	102.7300				60.0					94.26	94.26	m i ke	EMSC
OrigID 10106039																	

Magnitude Err Nsta Author OrigID  
mb 5.5 BGR 10106013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	94.26		P	17:41:47.729		91.6		3.57		TAS		24.7	0.89	m_e mb	5.5

Event 10106008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	19:13:33.93			40.1870	143.3530				33.0					80.05	80.98	m i ke	BGR
OrigID 10106014																	

Magnitude Err Nsta Author OrigID  
mb 4.8 BGR 10106014  
Ms 4.2 BGR 10106014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.98		P	19:25:44.486		36.1		4.43		TAS		10.1	1.00	m_e mb	4.8
GRA1	80.98		L	20:06:38.779						T__		91.9	19.10	a_e Ms	4.2
MOX	80.05		L	20:04:37.402						T__		142.1	18.80	a_e Ms	4.3



Event 10106009 Minahassa Peninsula, Sulawesi, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/06	20:59:35.10		0.0100	122.9300					157.0					103.89	103.89	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	103.89		PKPdf	21:17:35.632		89.8		0.76		TAS		10.8	1.06	m_e	

Event 10107001 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/07	09:17:26.51		47.4790	-25.9600					10.0					24.52	24.63	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	4.5		BGR	10107007
Ms	3.6		BGR	10107007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	24.52		P	09:22:42.652		277.8		8.75		TAS		11.9	1.32	m_e mb	4.5
GRA1	24.52		L	09:31:57.455						T__		273.1	19.40	a_e Ms	3.8
MOX	24.63		L	09:31:17.814						T__		127.8	21.60	a_e Ms	3.4

Event 10108001 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	00:28:46.54		-29.9600	-177.5300					217.6				10	154.14	161.28	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	156.96		PKPdf	00:48:16.868	0.2	24.2		1.14		TAS				m_e	
ASSE	156.96		X	00:48:28.000	0.3	21.5		1.96		TAS				m_e	
ASSE	156.96		PKPab	00:48:46.916	-0.0	21.0		4.43		TAS				a_e	
ASSE	156.96		PP	00:52:22.209	-0.0	22.2		5.58		TAS				m_e	

BFO	161.03	PKPdf	00:48:21.501		24.2	1.14	TAS	m_e
BFO	161.03	PKPab	00:49:04.716	-0.3	21.0	4.43	TAS	a_e
BFO	161.03	PP	00:52:45.243		22.2	5.58	TAS	m_e
BRG	157.35	PKPdf	00:48:17.539	-0.2	24.2	1.14	TAS	m_e
BRG	157.35	X	00:48:28.903	-0.1	21.5	1.96	TAS	m_e
BRG	157.35	PKPab	00:48:48.416	-0.3	21.0	4.43	TAS	a_e
BSEG	155.30	PKPdf	00:48:15.111	0.5	24.2	1.14	TAS	m_e
BSEG	155.30	X	00:48:25.237	-0.2	21.5	1.96	TAS	m_e
BSEG	155.30	PKPab	00:48:40.016	0.3	21.0	4.43	TAS	a_e
BUG	158.16	PKPdf	00:48:18.489	0.3	24.2	1.14	TAS	m_e
BUG	158.16	X	00:48:31.033		21.5	1.96	TAS	m_e
BUG	158.16	PKPab	00:48:52.116	-0.8	21.0	4.43	TAS	a_e
BUG	158.16	PP	00:52:30.818		22.2	5.58	TAS	m_e
CLL	157.21	PKPdf	00:48:17.125	0.2	24.2	1.14	TAS	m_e
CLL	157.21	X	00:48:28.594	0.0	21.5	1.96	TAS	m_e
CLL	157.21	PKPab	00:48:47.566	-0.4	21.0	4.43	TAS	a_e
CLZ	157.29	PKPdf	00:48:17.687	0.0	24.2	1.14	TAS	m_e
CLZ	157.29	X	00:48:29.153	-0.0	21.5	1.96	TAS	m_e
CLZ	157.29	PKPab	00:48:48.666	0.3	21.0	4.43	TAS	a_e
CLZ	157.29	PP	00:52:24.303		22.2	5.58	TAS	m_e
FLT1	156.66	PKPdf	00:48:16.367	-0.2	24.2	1.14	TAS	m_e
FLT1	156.66	X	00:48:27.419	-0.0	21.5	1.96	TAS	m_e
FLT1	156.66	PKPab	00:48:45.166	-0.4	21.0	4.43	TAS	a_e
FLT1	156.66	PP	00:52:20.348	0.3	22.2	5.58	TAS	m_e
FUR	160.53	PKPdf	00:48:21.042		24.2	1.14	TAS	m_e
FUR	160.53	PKPab	00:49:02.716	-0.0	21.0	4.43	TAS	a_e
GEC2	159.22	PKPdf	00:48:19.533	-0.1	24.2	1.14	TAS	m_e
GEC2	159.22	X	00:48:32.654		21.5	1.96	TAS	m_e
GEC2	159.22	PKPab	00:48:56.466	-0.8	21.0	4.43	TAS	a_e
GOR1	156.02	PKPdf	00:48:16.420	-0.4	24.2	1.14	TAS	m_e
GOR1	156.02	X	00:48:26.504	-0.1	21.5	1.96	TAS	m_e
GOR1	156.02	PKPab	00:48:43.166	0.4	21.0	4.43	TAS	a_e
GOR1	156.02	PP	00:52:17.090	-0.3	22.2	5.58	TAS	m_e
GRA1	159.14	PKPdf	00:48:19.589	-0.1	24.2	1.14	TAS	m_e
GRA1	159.14	PKPab	00:48:56.866	0.4	21.0	4.43	TAS	m_e
GRA1	159.14	pPKPab	00:49:51.157	-0.1			T__	m_e
GTTG	157.65	PKPab	00:48:50.116	0.1	21.0	4.43	TAS	a_e
HLG	155.40	X	00:48:25.293	0.2	21.5	1.96	TAS	m_e
HLG	155.40	PKPab	00:48:40.966	0.2	21.0	4.43	TAS	a_e
IBBN	157.25	PKPdf	00:48:17.876	0.2	24.2	1.14	TAS	m_e
IBBN	157.25	X	00:48:29.065	0.1	21.5	1.96	TAS	m_e
IBBN	157.25	PKPab	00:48:48.616	-0.2	21.0	4.43	TAS	a_e
KAST	158.24	PKPdf	00:48:18.518	0.1	24.2	1.14	TAS	m_e
KAST	158.24	X	00:48:30.742		21.5	1.96	TAS	m_e
KAST	158.24	PKPab	00:48:52.616	-0.3	21.0	4.43	TAS	a_e
KAST	158.24	PP	00:52:30.352		22.2	5.58	TAS	m_e
MOX	158.15	PKPdf	00:48:18.192	-0.1	24.2	1.14	TAS	m_e
MOX	158.15	X	00:48:30.593	-0.1	21.5	1.96	TAS	m_e
MOX	158.15	PKPab	00:48:52.066	-0.1	21.0	4.43	TAS	m_e

NEUB	157.61	PKPdf	00:48:17.990	0.0	24.2	1.14	TAS	m_e
NEUB	157.61	PKPab	00:48:49.516	-0.2	21.0	4.43	TAS	a_e
PLN	158.17	PKPdf	00:48:18.297	0.1	24.2	1.14	TAS	m_e
PLN	158.17	X	00:48:30.595	-0.1	21.5	1.96	TAS	m_e
PLN	158.17	PKPab	00:48:52.266	0.0	21.0	4.43	TAS	a_e
PLN	158.17	PP	00:52:30.352		22.2	5.58	TAS	m_e
RETH	156.61	PKPdf	00:48:16.666	-0.3	24.2	1.14	TAS	m_e
RETH	156.61	X	00:48:27.317	-0.2	21.5	1.96	TAS	m_e
RETH	156.61	PKPab	00:48:45.516	-0.1	21.0	4.43	TAS	a_e
RETH	156.61	PP	00:52:22.115	1.1	22.2	5.58	TAS	m_e
RGN	154.14	PKPab	00:48:34.916	0.6	21.0	4.43	TAS	a_e
RUE	155.94	PKPdf	00:48:16.410	-0.1	24.2	1.14	TAS	m_e
RUE	155.94	PKPab	00:48:42.366	0.0	21.0	4.43	TAS	a_e
STU	160.44	PKPdf	00:48:21.416	-0.3	24.2	1.14	TAS	m_e
STU	160.44	PKPab	00:49:02.438	0.8	21.0	4.43	TAS	m_e
STU	160.44	PP	00:52:41.986		22.2	5.58	TAS	m_e
TANN	158.16	PKPdf	00:48:18.416	-0.1	24.2	1.14	TAS	m_e
TANN	158.16	X	00:48:30.370	-0.1	21.5	1.96	TAS	m_e
TANN	158.16	PKPab	00:48:52.266	0.1	21.0	4.43	TAS	a_e
TNS	159.18	PKPdf	00:48:19.934	0.5	24.2	1.14	TAS	m_e
TNS	159.18	PKPab	00:48:56.716	-0.3	21.0	4.43	TAS	a_e
UBR	161.28	PKPdf	00:48:21.563		24.2	1.14	TAS	m_e
UBR	161.28	PKPab	00:49:07.116	1.1	21.0	4.43	TAS	a_e
WET	159.20	PKPdf	00:48:19.650	0.0	24.2	1.14	TAS	m_e
WET	159.20	X	00:48:32.530		21.5	1.96	TAS	m_e
WET	159.20	PKPab	00:48:56.916	-0.1	21.0	4.43	TAS	a_e

Event 10108003 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	03:48:57.70			41.8150	81.5880				10.0			16		46.01	51.06	m i ke	NEIC
10108042																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10108009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	51.06		P	03:57:58.058		71.1		8.20		TAS				m_e	
BRG	46.01		P	03:57:19.717	0.4	71.1		8.20		TAS		4.5	0.94	m_e mb	4.5
BUG	49.83		P	03:57:51.726		71.1		8.20		TAS		16.4	1.29	m_e mb	4.8
CLL	46.46		P	03:57:22.498	-0.8	71.1		8.20		TAS		9.4	0.93	m_e mb	4.8
DAVA	49.70		P	03:57:50.754		71.1		8.20		TAS		6.9	0.81	m_e mb	4.6
FETA	49.26		P	03:57:44.469		71.1		8.20		TAS		10.4	1.16	m_e mb	4.8
FLT1	47.22		P	03:57:28.551	0.6	71.1		8.20		TAS		6.4	0.98	m_e mb	4.7
FUR	48.51		P	03:57:38.637		71.1		8.20		TAS		12.0	0.79	m_e mb	5.0
GEC2	46.77		P	03:57:24.547	-0.0	71.1		8.20		TAS		40.7	2.07	m_e mb	5.2

GRA1	48.03	P	03:57:36.156	71.1	8.20	TAS	15.2	0.88	m_e	mb	5.1
GTTG	48.20	P	03:57:36.876	71.1	8.20	TAS	17.4	1.04	m_e	mb	5.1
KAST	49.23	P	03:57:46.491	71.1	8.20	TAS			m_e		
MOTA	48.91	P	03:57:40.458	71.1	8.20	TAS	14.0	1.00	m_e	mb	5.0
MOX	47.49	P	03:57:31.166	71.1	8.20	TAS	4.8	0.90	m_e	mb	4.6
NEUB	47.23	P	03:57:29.261	-0.6 71.1	8.20	TAS	10.2	0.78	m_e	mb	5.0
PLN	47.21	P	03:57:29.480	-0.9 71.1	8.20	TAS	2.0	0.90	m_e	mb	4.2
SQTA	48.89	P	03:57:39.843	71.1	8.20	TAS	10.2	1.14	m_e	mb	4.8
TANN	47.05	P	03:57:27.591	0.8 71.1	8.20	TAS	5.0	1.00	m_e	mb	4.6
UBR	49.42	P	03:57:46.299	71.1	8.20	TAS	12.4	0.93	m_e	mb	4.9
WET	47.18	P	03:57:27.071	0.3 71.1	8.20	TAS	4.9	1.02	m_e	mb	4.6

Event 10108005 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	05:01:04.79			-20.7270	171.1190				122.0	1.9		32		143.69	149.40	m i ke	BGR
OrigID 10108011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.11		PKPbc	05:20:26.493	0.8	33.8		3.00		TAS					m_e
ASSE	145.11		sPKPbc	05:21:11.717	0.3	35.9		2.93		TAS					m_e
BFO	149.12		PKPpdf	05:20:33.090		36.5		1.67		TAS					m_e
BFO	149.12		PKPbc	05:20:37.401		33.8		3.00		TAS					m_e
BRG	144.93		PKPbc	05:20:25.519	0.1	33.8		3.00		TAS					m_e
BRG	144.93		sPKPbc	05:21:11.652	0.3	35.9		2.93		TAS					m_e
BSEG	143.69		PKPbc	05:20:21.336	-0.8	33.8		3.00		TAS					m_e
BUG	146.77		PKPpdf	05:20:29.582		36.5		1.67		TAS					m_e
CLL	144.95		PKPbc	05:20:25.715	0.3	33.8		3.00		TAS					m_e
CLL	144.95		sPKPbc	05:21:10.937	0.3	35.9		2.93		TAS					m_e
CLZ	145.45		PKPbc	05:20:28.051	0.6	33.8		3.00		TAS					m_e
CLZ	145.45		sPKPbc	05:21:12.871	0.3	35.9		2.93		TAS					m_e
DAVA	149.40		PKPbc	05:20:38.142		33.8		3.00		TAS					m_e
FETA	149.26		PKPbc	05:20:37.786		33.8		3.00		TAS					m_e
FLT1	144.75		PKPbc	05:20:24.840	0.1	33.8		3.00		TAS					m_e
FLT1	144.75		sPKPbc	05:21:10.493	0.3	35.9		2.93		TAS					m_e
FUR	148.13		PKPpdf	05:20:31.591		36.5		1.67		TAS					m_e
FUR	148.13		PKPbc	05:20:35.243	-0.1	33.8		3.00		TAS					m_e
FUR	148.13		pPKPbc	05:21:08.127		35.7		3.02		TAS					m_e
GEC2	146.59		PKPpdf	05:20:29.180		36.5		1.67		TAS					m_e
GEC2	146.59		PKPbc	05:20:30.960	0.7	33.8		3.00		TAS					m_e
GEC2	146.59		sPKPbc	05:21:16.063	0.3	35.9		2.93		TAS					m_e
GOR1	144.17		PKPbc	05:20:22.766	-0.3	33.8		3.00		TAS					m_e
GOR1	144.17		sPKPbc	05:21:09.039	0.3	35.9		2.93		TAS					m_e
GRA1	146.93		PKPpdf	05:20:29.379		36.5		1.67		TAS					m_e

GRA1	146.93	PKPbc	05:20:32.136	-1.1	33.8	3.00	TAS	m_e
GRA1	146.93	pPKPbc	05:21:04.256		35.7	3.02	TAS	m_e
GRA1	146.93	sPKPbc	05:21:17.338	0.3	35.9	2.93	TAS	m_e
GTTG	145.84	PKPbc	05:20:29.204	0.7	33.8	3.00	TAS	m_e
GTTG	145.84	sPKPbc	05:21:14.287	0.3	35.9	2.93	TAS	m_e
HLG	144.17	PKPbc	05:20:22.868	-0.8	33.8	3.00	TAS	m_e
IBBN	145.87	PKPdf	05:20:28.348		36.5	1.67	TAS	m_e
IBBN	145.87	PKPbc	05:20:29.103	0.8	33.8	3.00	TAS	m_e
IBBN	145.87	pPKPbc	05:21:01.629		35.7	3.02	TAS	m_e
IBBN	145.87	sPKPbc	05:21:14.539	0.3	35.9	2.93	TAS	m_e
KAST	146.63	PKPdf	05:20:28.659		36.5	1.67	TAS	m_e
KAST	146.63	PKPbc	05:20:30.969	0.5	33.8	3.00	TAS	m_e
MOTA	148.85	PKPbc	05:20:36.800		33.8	3.00	TAS	m_e
MOX	146.00	PKPbc	05:20:29.347	0.2	33.8	3.00	TAS	m_e
MOX	146.00	pPKPbc	05:21:01.939		35.7	3.02	TAS	m_e
MOX	146.00	sPKPbc	05:21:14.204	0.3	35.9	2.93	TAS	m_e
NEUB	145.50	PKPbc	05:20:27.878	0.3	33.8	3.00	TAS	m_e
NEUB	145.50	pPKPbc	05:20:59.935		35.7	3.02	TAS	m_e
OBKA	147.93	PKPbc	05:20:33.741	-0.4	33.8	3.00	TAS	m_e
PLN	145.93	PKPbc	05:20:28.690	0.6	33.8	3.00	TAS	m_e
RETA	148.88	PKPbc	05:20:36.677		33.8	3.00	TAS	m_e
RETH	145.01	PKPbc	05:20:26.177	-0.1	33.8	3.00	TAS	m_e
RETH	145.01	sKPbc	05:21:11.853	0.3	35.9	2.93	TAS	m_e
RUE	143.73	PKPbc	05:20:21.311	-1.2	33.8	3.00	TAS	m_e
SQTA	148.90	PKPbc	05:20:36.745		33.8	3.00	TAS	m_e
STU	148.44	PKPdf	05:20:32.291		36.5	1.67	TAS	m_e
STU	148.44	PKPbc	05:20:35.900	-0.4	33.8	3.00	TAS	m_e
TANN	145.87	PKPbc	05:20:29.013	0.2	33.8	3.00	TAS	m_e
TANN	145.87	sPKPbc	05:21:14.173	0.3	35.9	2.93	TAS	m_e
TNS	147.47	PKPdf	05:20:30.305		36.5	1.67	TAS	m_e
TNS	147.47	PKPbc	05:20:33.548	-0.0	33.8	3.00	TAS	m_e
UBR	148.99	PKPdf	05:20:32.830		36.5	1.67	TAS	m_e
UBR	148.99	PKPbc	05:20:37.302		33.8	3.00	TAS	m_e
UBR	148.99	sPKPbc	05:21:22.881	0.3	35.9	2.93	TAS	m_e
WET	146.70	PKPdf	05:20:28.824		36.5	1.67	TAS	m_e
WET	146.70	PKPbc	05:20:31.471	0.5	33.8	3.00	TAS	m_e
WET	146.70	sPKPbc	05:21:16.653	0.3	35.9	2.93	TAS	m_e
WTTA	148.69	PKPbc	05:20:36.547	-0.4	33.8	3.00	TAS	m_e

Event 10108007 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	11:41:58.90			-30.5800	-179.6830				338.0			24		155.49	161.28	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	157.09		PKPab	12:01:44.953	0.5	27.3		4.42		TAS				m_e	
BFO	161.17		PKPab	12:02:02.732		27.3		4.42		TAS				m_e	
BRG	157.27		PKPab	12:01:46.035	0.3	27.3		4.42		TAS				m_e	
BSEG	155.49		PKPab	12:01:38.227	-0.1	27.3		4.42		TAS				m_e	
BUG	158.45		PKPab	12:01:51.876	0.1	27.3		4.42		TAS				m_e	
CLL	157.19		PKPab	12:01:45.494	-0.2	27.3		4.42		TAS				m_e	
CLZ	157.42		PKPab	12:01:46.731	-0.2	27.3		4.42		TAS				m_e	
FLT1	156.76		PKPab	12:01:43.329	0.1	27.3		4.42		TAS				m_e	
FUR	160.48		PKPab	12:02:00.645		27.3		4.42		TAS				m_e	
GEC2	159.06		PKPab	12:01:54.075	0.3	27.3		4.42		TAS				m_e	
GRA1	159.15		PKPab	12:01:54.770	-0.1	27.3		4.42		TAS				m_e	
GTTG	157.79		PKPab	12:01:48.277	-0.3	27.3		4.42		TAS				m_e	
IBBN	157.53		PKPab	12:01:46.963	0.2	27.3		4.42		TAS				m_e	
KAST	158.46		PKPab	12:01:50.901	0.0	27.3		4.42		TAS				m_e	
MOX	158.18		PKPab	12:01:49.977	-0.2	27.3		4.42		TAS				m_e	
NEUB	157.65		PKPab	12:01:47.658	0.1	27.3		4.42		TAS				m_e	
PLN	158.17		PKPab	12:01:50.055	0.5	27.3		4.42		TAS				m_e	
RETH	156.82		PKPab	12:01:43.639	-0.2	27.3		4.42		TAS				m_e	
RUE	155.93		PKPab	12:01:40.005	-0.0	27.3		4.42		TAS				m_e	
STU	160.55		PKPab	12:02:00.181	0.1	27.3		4.42		TAS				m_e	
TANN	158.14		PKPab	12:01:50.209	0.2	27.3		4.42		TAS				m_e	
TNS	159.38		PKPab	12:01:54.925	-0.6	27.3		4.42		TAS				m_e	
UBR	161.28		PKPab	12:02:03.840		27.3		4.42		TAS				m_e	
WET	159.10		PKPab	12:01:54.693	-0.3	27.3		4.42		TAS				m_e	

Event 10108008 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	14:20:01.30	0.62	1.07	45.4100	16.1030	11.1	6.7	163	5.0			22	254	1.54	7.05	m i ke	BEO
OrigID 10108101																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.88		Pn	14:20:31.888	1.7					T__				m_e	ML 2.8
BE1	4.19		Pn	14:21:05.225	-0.2					T__				m_e	ML 3.4
BFO	6.07		Pn	14:21:29.750	-2.1					T__				m_e	
BIOA	2.84		Pn	14:20:46.760	1.1					T__				m_e	ML 3.1
FETA	4.06		Pn	14:21:05.362	0.8					T__				m_e	ML 3.0
GEC2	3.80		Sn	14:21:42.447	0.4					T__				m_e	
GEC2	3.80		Pn	14:20:59.136	1.5					T__				m_e	ML 3.2
KBA	2.54		Pn	14:20:42.469	-0.1					T__				m_e	ML 2.9
LESA	3.11		Pn	14:20:50.354	-0.1					T__				m_e	ML 3.0
MOA	2.75		Sn	14:21:17.853	0.3					T__				m_e	

MOA	2.75	Pn	14:20:44.838	1.4	T__	m_e		
MOTA	3.96	Pn	14:21:02.801	-0.1	T__	m_e ML	3.2	
MOX	6.04	Pn	14:21:29.254	0.7	T__	m_e		
NORI	4.99	Pn	14:21:15.350	-0.8	T__	m_e		
OBKA	1.54	Sn	14:20:52.070	-0.1	T__	m_e		
OBKA	1.54	Pn	14:20:27.883	-0.9	T__	m_e		
PSZ	3.62	Sg	14:21:37.239	-2.1	T__	m_e ML	3.1	
RETA	4.23	Pn	14:21:06.069	-0.5	T__	m_e ML	3.1	
RJOB	3.26	Sn	14:21:33.462	1.1	T__	m_e		
RJOB	3.26	Pn	14:20:52.653	0.6	T__	m_e ML	2.9	
SQTA	3.84	Sg	14:22:10.398	-2.3	T__	m_e		
SQTA	3.84	Pn	14:21:01.515	0.2	T__	m_e ML	3.2	
TNS	7.05	Sn	14:23:01.064	-1.4	T__	m_e		
UBR	4.72	Pn	14:21:12.281	-1.0	T__	m_e		
WET	4.33	Sn	14:21:56.606	1.3	T__	m_e		
WET	4.33	Pn	14:21:05.938	0.7	T__	m_e ML	3.2	
WTTA	3.60	Pn	14:20:57.932	0.0	T__	m_e		
ZUGS	4.07	Pn	14:21:04.162	-0.2	T__	m_e ML	3.2	

Event 10108009 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	18:36:51.46			-18.0890	-171.8710				33.0			17		145.31	150.35	m i ke	BGR
	10108015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.88		PKPbc	18:56:27.015	0.2	5.6		2.75		TAS				m_e	
BFO	149.74		PKPbc	18:56:37.271		5.6		2.75		TAS				m_e	
BRG	146.87		PKPbc	18:56:30.249	-0.2	5.6		2.75		TAS				m_e	
BUG	146.62		PKPbc	18:56:29.325	0.4	5.6		2.75		TAS				m_e	
CLL	146.54		PKPbc	18:56:28.493	0.1	5.6		2.75		TAS				m_e	
CLZ	146.18		PKPbc	18:56:28.216	0.5	5.6		2.75		TAS				m_e	
FLT1	145.65		PKPbc	18:56:25.721	-0.2	5.6		2.75		TAS				m_e	
FUR	149.80		PKPbc	18:56:37.515		5.6		2.75		TAS				m_e	
GEC2	148.90		PKPbc	18:56:34.961		5.6		2.75		TAS				m_e	
GRA1	148.28		PKPbc	18:56:33.945		5.6		2.75		TAS				m_e	
GTTG	146.49		PKPbc	18:56:28.863	0.7	5.6		2.75		TAS				m_e	
IBBN	145.76		PKPbc	18:56:26.553	0.1	5.6		2.75		TAS				m_e	
NEUB	146.75		PKPbc	18:56:29.510	-0.4	5.6		2.75		TAS				m_e	
RUE	145.31		PKPbc	18:56:24.441	0.2	5.6		2.75		TAS				m_e	
TANN	147.47		PKPbc	18:56:32.004		5.6		2.75		TAS				m_e	
UBR	150.35		PKPbc	18:56:38.980		5.6		2.75		TAS				m_e	
WET	148.69		PKPbc	18:56:34.835		5.6		2.75		TAS				m_e	

Event 10108011 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/08	21:51:03.88			44.3110	138.7310				263.6			12		73.55	77.89	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10108017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.89		P	22:02:31.384		35.9		5.83		TAS		7.4	0.99	m_e mb	4.8
BRG	73.70		P	22:02:07.685		35.9		5.83		TAS		3.1	0.71	m_e mb	4.4
BUG	75.69		P	22:02:22.252		35.9		5.83		TAS		7.5	0.67	m_e mb	5.0
CLL	73.71		P	22:02:07.088		35.9		5.83		TAS		7.6	0.63	m_e mb	4.9
CLZ	74.26		P	22:02:11.048	-0.1	35.9		5.83		TAS		5.3	0.69	m_e mb	4.7
FLT1	73.55		P	22:02:06.352	0.3	35.9		5.83		TAS		9.0	0.78	m_e mb	4.9
FUR	76.91		P	22:02:26.328		35.9		5.83		TAS		10.1	0.59	m_e mb	5.1
GEC2	75.40		P	22:02:17.216		35.9		5.83		TAS		2.6	0.66	m_e mb	4.4
GRA1	75.69		P	22:02:19.376		35.9		5.83		TAS		8.7	0.78	m_e mb	5.0
GRA1	75.69		pP	22:03:20.455						T__				m_e	
KAST	75.48		P	22:02:18.009		35.9		5.83		TAS		4.3	0.90	m_e mb	4.6
NEUB	74.27		P	22:02:10.326		35.9		5.83		TAS		7.6	0.78	m_e mb	4.8
STU	77.21		P	22:02:27.691		35.9		5.83		TAS		17.1	0.77	m_e mb	5.2
TNS	76.28		P	22:02:22.751		35.9		5.83		TAS		8.3	1.22	m_e mb	4.7
WET	75.49		P	22:02:18.261		35.9		5.83		TAS		7.7	1.22	m_e mb	4.7

Event 10109001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/09	01:39:39.20			-16.2420	167.9160				184.0			14		138.47	143.82	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	139.84		SKPbc	02:02:03.253	0.3	36.3		2.67		TAS				m_e	
BFO	143.82		PKPbc	01:58:49.700		36.9		3.20		TAS				m_e	
BFO	143.82		SKPbc	02:02:13.529		36.3		2.67		TAS				m_e	
BRG	139.59		PKPbc	01:58:36.462	-0.7	36.9		3.20		TAS				m_e	
BRG	139.59		SKPbc	02:02:02.704	0.9	36.3		2.67		TAS				m_e	
BSEG	138.47		SKPbc	02:01:58.999	0.3	36.3		2.67		TAS				m_e	
CLL	139.63		PKPbc	01:58:36.462	0.9	36.9		3.20		TAS				m_e	
CLL	139.63		SKPbc	02:02:01.744	-0.3	36.3		2.67		TAS				m_e	



CLZ	140.19	SKPbc	02:02:04.488	0.5	36.3	2.67	TAS	m_e
FLT1	139.48	SKPbc	02:02:02.352	0.0	36.3	2.67	TAS	m_e
FUR	142.79	PKPbc	01:58:46.654		36.9	3.20	TAS	m_e
FUR	142.79	SKPbc	02:02:11.624		36.3	2.67	TAS	m_e
GEC2	141.23	PKPbc	01:58:42.973		36.9	3.20	TAS	m_e
GEC2	141.23	SKPbc	02:02:07.782		36.3	2.67	TAS	m_e
GRA1	141.61	SKPbc	02:02:07.782		36.3	2.67	TAS	m_e
GTTG	140.57	PKPbc	01:58:39.726	-0.5	36.9	3.20	TAS	m_e
GTTG	140.57	SKPbc	02:02:04.695	-0.1	36.3	2.67	TAS	m_e
IBBN	140.67	PKPbc	01:58:39.726		36.9	3.20	TAS	m_e
IBBN	140.67	SKPbc	02:02:05.756	-0.7	36.3	2.67	TAS	m_e
KAST	141.39	PKPbc	01:58:43.774		36.9	3.20	TAS	m_e
MOX	140.69	SKPbc	02:02:05.723	-0.2	36.3	2.67	TAS	m_e
NEUB	140.20	PKPbc	01:58:39.204	0.0	36.9	3.20	TAS	m_e
NEUB	140.20	SKPbc	02:02:03.939	-0.9	36.3	2.67	TAS	m_e
PLN	140.61	PKPbc	01:58:39.024		36.9	3.20	TAS	m_e
PLN	140.61	SKPbc	02:02:04.912	-0.1	36.3	2.67	TAS	m_e
STU	143.13	PKPbc	01:58:48.032		36.9	3.20	TAS	m_e
STU	143.13	SKPbc	02:02:11.595		36.3	2.67	TAS	m_e
TANN	140.54	PKPbc	01:58:39.857	-0.1	36.9	3.20	TAS	m_e
TANN	140.54	SKPbc	02:02:04.077	0.7	36.3	2.67	TAS	m_e
TNS	142.21	PKPbc	01:58:45.602		36.9	3.20	TAS	m_e
TNS	142.21	SKPbc	02:02:08.972	-0.2	36.3	2.67	TAS	m_e
UBR	143.65	PKPbc	01:58:49.659		36.9	3.20	TAS	m_e
UBR	143.65	SKPbc	02:02:12.996		36.3	2.67	TAS	m_e
WET	141.35	SKPbc	02:02:06.272		36.3	2.67	TAS	m_e

Event 10109002 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/09	05:36:49.39			38.1000	142.2730				33.0			9		79.31	84.60	m i ke	BGR
OrigID 10109008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10109008
Ms	4.2		BGR	10109008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	84.60		P	05:49:18.575		36.8		5.23		TAS		11.4	1.23	m_e mb	5.0
BRG	80.38		P	05:48:56.813		36.8		5.23		TAS		4.9	0.95	m_e mb	4.4
BSEG	79.31		P	05:48:51.251	0.4	36.8		5.23		TAS		14.5	1.18	m_e mb	4.9
CLL	80.41		P	05:48:56.496		36.8		5.23		TAS		7.7	0.93	m_e mb	4.7
CLZ	80.98		P	05:49:00.045		36.8		5.23		TAS		15.7	1.10	m_e mb	5.0
FLT1	80.27		P	05:48:55.013	0.0	36.8		5.23		TAS		8.2	1.01	m_e mb	4.6
GEC2	82.07		P	05:49:05.360		36.8		5.23		TAS		11.3	1.27	m_e mb	4.8
GRA1	82.39		L	06:28:54.671						T__		121.6	18.70	m_e Ms	4.3



Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10109010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	85.19		P	11:48:14.680		63.1		4.71		TAS		3.3	1.04	m_e	mb	4.5

Event 10109008 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/09	21:29:09.67	0.61	1.06	45.4060	16.7320	14.5	10.0	33	10.0			29	317	1.88	7.36	m i ke	BGR
OrigID 10109014																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.6		BGR	10109014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	2.03		Pn	21:29:43.738	1.1					T__				m_e	ML	4.0
BE1	4.54		Pn	21:30:17.029	-0.3					T__				m_e	ML	4.9
BFO	6.46		Pn	21:30:41.811	-1.8					T__				m_e	ML	4.7
BIOA	3.13		Sn	21:30:33.708	0.7					T__				m_e		
BIOA	3.13		Pn	21:29:57.997	0.2					T__				m_e	ML	4.4
DAVA	5.10		Pn	21:30:24.991	0.0					T__				m_e	ML	4.8
FETA	4.47		Sn	21:31:06.639	1.6					T__				m_e		
FETA	4.47		Pn	21:30:16.458	0.2					T__				m_e	ML	4.5
FUR	4.65		Sn	21:31:08.959	-0.4					T__				m_e		
FUR	4.65		Pn	21:30:18.236	-0.5					T__				m_e	ML	5.0
GEC2	4.01		Pn	21:30:11.180	1.2					T__				m_e	ML	4.3
GRA1	5.68		Pn	21:30:32.003	-0.9					T__				m_e	ML	4.9
KBA	2.88		Pn	21:29:53.994	-0.5					T__				m_e	ML	4.3
KW1	3.93		Pn	21:30:09.105	0.2					T__				m_e	ML	5.0
LESA	3.45		Sn	21:30:42.016	1.1					T__				m_e		
LESA	3.45		Pn	21:30:02.066	-0.3					T__				m_e	ML	4.4
MOA	2.98		Sn	21:30:30.082	0.6					T__				m_e		
MOA	2.98		Pn	21:29:57.040	1.3					T__				m_e	ML	4.3
MOTA	4.35		Pn	21:30:14.656	0.0					T__				m_e	ML	4.5
MOX	6.26		Pn	21:30:40.999	0.1					T__				m_e	ML	4.8
NORI	5.33		Sn	21:31:23.105	-2.3					T__				m_e		
NORI	5.33		Pn	21:30:26.760	-1.3					T__				m_e	ML	4.8
OBER	4.88		Pn	21:30:21.718	-0.2					T__				m_e		
OBKA	1.88		Sn	21:30:04.997	1.6					T__				m_e		
OBKA	1.88		Pn	21:29:42.073	1.4					T__				m_e		
PART	4.41		Pn	21:30:15.209	-0.2					T__				m_e	ML	4.5
RETA	4.62		Pn	21:30:17.881	-0.5					T__				m_e	ML	4.6
RJOB	3.58		Pn	21:30:04.358	0.3					T__				m_e	ML	4.2
ROTZ	5.33		Pn	21:30:27.811	-0.2					T__				m_e	ML	4.5
SQTA	4.23		Sn	21:31:01.444	2.0					T__				m_e		

SQTA	4.23	Pn	21:30:13.417	0.4	T__	m_e ML	4.6
STU	6.15	Sn	21:31:43.701	-1.3	T__	m_e ML	4.9
TNS	7.36	Sn	21:32:10.817	-3.1	T__	m_e	
TNS	7.36	Pn	21:30:56.003	-0.1	T__	m_e ML	5.2
UBR	5.10	Pn	21:30:24.384	-0.6	T__	m_e ML	4.9
WET	4.56	Pn	21:30:17.934	0.3	T__	m_e ML	4.6
WTTA	3.99	Pn	21:30:09.885	0.2	T__	m_e ML	4.6
ZUGS	4.46	Pn	21:30:15.970	-0.2	T__	m_e ML	4.7

Event 10110001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/10	03:13:49.04			-23.9550	-179.2220				523.5	7.1		25		149.13	155.11	m i ke	BGR
	10110007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.79		PKPbc	03:32:42.731	0.1	21.4		2.12		TAS				m_e	
BFO	154.87		PKPab	03:33:10.473		21.2		4.34		TAS				m_e	
BRG	151.19		PKPbc	03:32:43.631	-0.1	21.4		2.12		TAS				m_e	
BRG	151.19		PKPab	03:32:54.373	0.3	21.2		4.34		TAS				m_e	
BRG	151.19		pPKPbc	03:34:45.850		21.0		3.47		TAS				m_e	
BSEG	149.13		PKPbc	03:32:39.008	0.1	21.4		2.12		TAS				m_e	
BUG	152.02		PKPbc	03:32:45.654	-0.2	21.4		2.12		TAS				m_e	
CLL	151.04		PKPbc	03:32:42.976	0.3	21.4		2.12		TAS				m_e	
CLL	151.04		PKPab	03:32:53.819	-0.1	21.2		4.34		TAS				m_e	
CLL	151.04		pPKPbc	03:34:45.562		21.0		3.47		TAS				m_e	
CLZ	151.12		PKPbc	03:32:43.713	0.1	21.4		2.12		TAS				m_e	
CLZ	151.12		PKPab	03:32:54.687	0.1	21.2		4.34		TAS				m_e	
CLZ	151.12		pPKPbc	03:34:46.079		21.0		3.47		TAS				m_e	
FLT1	150.49		PKPbc	03:32:41.713	0.1	21.4		2.12		TAS				m_e	
FLT1	150.49		PKPab	03:32:51.262	0.1	21.2		4.34		TAS				m_e	
FLT1	150.49		pPKPbc	03:34:43.879	-0.4	21.0		3.47		TAS				m_e	
FUR	154.37		PKPbc	03:32:50.600		21.4		2.12		TAS				m_e	
FUR	154.37		PKPab	03:33:08.797		21.2		4.34		TAS				m_e	
GEC2	153.08		PKPbc	03:32:47.395		21.4		2.12		TAS				m_e	
GOR1	149.85		PKPbc	03:32:40.849	-0.1	21.4		2.12		TAS				m_e	
GRA1	152.97		PKPab	03:33:02.288		21.2		4.34		TAS				m_e	
GTTG	151.48		PKPbc	03:32:44.286	0.0	21.4		2.12		TAS				m_e	
GTTG	151.48		PKPab	03:32:56.041	-0.2	21.2		4.34		TAS				m_e	
IBBN	151.11		PKPbc	03:32:43.549	0.1	21.4		2.12		TAS				m_e	
IBBN	151.11		PKPab	03:32:54.837	-0.1	21.2		4.34		TAS				m_e	
IBBN	151.11		pPKPbc	03:34:46.020		21.0		3.47		TAS				m_e	
KAST	152.08		PKPbc	03:32:45.595	0.0	21.4		2.12		TAS				m_e	
MOX	151.98		PKPbc	03:32:45.186	0.1	21.4		2.12		TAS				m_e	

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MOX	151.98	PKPab	03:32:58.250	-0.1	21.2	4.34	TAS	m_e
NEUB	151.44	PKPbc	03:32:44.040	0.0	21.4	2.12	TAS	m_e
NEUB	151.44	PKPab	03:32:55.619	-0.3	21.2	4.34	TAS	m_e
NEUB	151.44	pPKPbc	03:34:46.501		21.0	3.47	TAS	m_e
PLN	152.00	PKPbc	03:32:45.186	0.1	21.4	2.12	TAS	m_e
RETH	150.45	PKPbc	03:32:41.913	-0.2	21.4	2.12	TAS	m_e
RETH	150.45	PKPab	03:32:51.501	0.0	21.2	4.34	TAS	m_e
RUE	149.77	PKPbc	03:32:40.556	-0.3	21.4	2.12	TAS	m_e
STU	154.28	PKPab	03:33:07.759		21.2	4.34	TAS	m_e
TANN	151.99	PKPbc	03:32:45.186	0.0	21.4	2.12	TAS	m_e
TANN	151.99	PKPab	03:32:57.877	0.5	21.2	4.34	TAS	m_e
TANN	151.99	pPKPbc	03:34:49.215		21.0	3.47	TAS	m_e
TNS	153.02	PKPbc	03:32:47.501		21.4	2.12	TAS	m_e
TNS	153.02	PKPab	03:33:02.450		21.2	4.34	TAS	m_e
UBR	155.11	PKPbc	03:32:51.352		21.4	2.12	TAS	m_e
WET	153.05	PKPab	03:33:02.531		21.2	4.34	TAS	m_e

Event 10110002 Jujuy Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/10	03:54:14.20			-23.8530	-66.9780				217.0			25		98.37	103.75	m i ke	NEIC
	10110041																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	101.35		SKSac	04:18:01.224	1.6	244.8		4.71		TAS					a_e
ASSE	101.35		Pdiff	04:07:40.892	0.1	245.7		4.60		TAS					m_e
BFO	98.37		SKSac	04:17:43.824	-1.5	244.8		4.71		TAS					a_e
BFO	98.37		Pdiff	04:07:26.472	0.4	245.7		4.60		TAS					m_e
BRG	102.74		SKSac	04:18:05.624	-0.4	244.8		4.71		TAS					a_e
BRG	102.74		Pdiff	04:07:46.708	-0.1	245.7		4.60		TAS					m_e
BSEG	101.89		SKSac	04:18:03.174	0.7	244.8		4.71		TAS					a_e
BSEG	101.89		Pdiff	04:07:43.253	0.3	245.7		4.60		TAS					m_e
BUG	99.14		SKSac	04:17:48.324	-1.0	244.8		4.71		TAS					a_e
BUG	99.14		Pdiff	04:07:30.319	-0.2	245.7		4.60		TAS					m_e
CLL	102.35		SKSac	04:18:04.374	0.1	244.8		4.71		TAS					m_e
CLL	102.35		Pdiff	04:07:45.173	0.1	245.7		4.60		TAS					m_e
CLZ	101.06		SKSac	04:18:00.124	1.8	244.8		4.71		TAS					a_e
CLZ	101.06		Pdiff	04:07:39.573	-0.2	245.7		4.60		TAS					m_e
FLT1	101.75		SKSac	04:18:01.724	0.2	244.8		4.71		TAS					a_e
FLT1	101.75		Pdiff	04:07:41.713	0.3	245.7		4.60		TAS					m_e
FUR	100.07		SKSac	04:17:53.958	0.7	244.8		4.71		TAS					m_e
FUR	100.07		Pdiff	04:07:35.107		245.7		4.60		TAS					m_e
GEC2	101.82		SKSac	04:18:00.974	-0.6	244.8		4.71		TAS					a_e
GEC2	101.82		Pdiff	04:07:42.419	-0.5	245.7		4.60		TAS					m_e

GOR1	102.05	Pdiff	04:07:43.433	0.5	245.7	4.60	TAS	m_e
GRA1	100.67	SKSac	04:17:57.124	0.9	244.8	4.71	TAS	a_e
GRA1	100.67	Pdiff	04:07:37.525	-0.5	245.7	4.60	TAS	m_e
GTTG	100.71	SKSac	04:17:58.374	1.8	244.8	4.71	TAS	a_e
GTTG	100.71	Pdiff	04:07:37.724	-0.1	245.7	4.60	TAS	m_e
HLG	100.69	SKSac	04:17:57.224	0.2	244.8	4.71	TAS	a_e
IBBN	99.80	SKSac	04:17:52.024	-0.5	244.8	4.71	TAS	a_e
IBBN	99.80	Pdiff	04:07:33.471	0.3	245.7	4.60	TAS	m_e
KAST	99.68	SKSac	04:17:51.624	-0.2	244.8	4.71	TAS	a_e
KAST	99.68	Pdiff	04:07:32.704	-0.3	245.7	4.60	TAS	m_e
MOX	101.29	SKSac	04:18:00.574	1.4	244.8	4.71	TAS	a_e
MOX	101.29	Pdiff	04:07:40.432	0.5	245.7	4.60	TAS	m_e
NEUB	101.60	SKSac	04:18:01.974	1.3	244.8	4.71	TAS	a_e
NEUB	101.60	Pdiff	04:07:41.898	0.1	245.7	4.60	TAS	m_e
PLN	101.54	SKSac	04:18:01.124	0.8	244.8	4.71	TAS	a_e
PLN	101.54	Pdiff	04:07:41.382	0.3	245.7	4.60	TAS	m_e
RETH	100.87	Pdiff	04:07:38.782	-0.1	245.7	4.60	TAS	m_e
RGN	103.75	SKSac	04:18:08.024	-3.2	244.8	4.71	TAS	a_e
RUE	103.24	SKSac	04:18:06.274	-2.2	244.8	4.71	TAS	a_e
RUE	103.24	Pdiff	04:07:49.862	-0.8	245.7	4.60	TAS	m_e
STU	99.08	SKSac	04:17:47.324	-1.4	244.8	4.71	TAS	a_e
STU	99.08	Pdiff	04:07:30.126	0.3	245.7	4.60	TAS	m_e
TANN	101.69	SKSac	04:18:02.424	1.4	244.8	4.71	TAS	a_e
TANN	101.69	Pdiff	04:07:42.741	0.0	245.7	4.60	TAS	m_e
TNS	99.27	SKSac	04:17:49.324	-0.4	244.8	4.71	TAS	a_e
TNS	99.27	Pdiff	04:07:31.359	-0.2	245.7	4.60	TAS	m_e
UBR	99.16	SKSac	04:17:47.674	-1.3	244.8	4.71	TAS	a_e
UBR	99.16	Pdiff	04:07:31.011		245.7	4.60	TAS	m_e
WET	101.44	SKSac	04:17:59.674	-0.1	244.8	4.71	TAS	a_e
WET	101.44	Pdiff	04:07:40.875	-0.1	245.7	4.60	TAS	m_e

Event 10110003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/10	06:48:20.30			-16.0860	167.7710				160.0			3		141.41	141.41	m i ke	NEIC
10110042																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	141.41		PKPdf	07:07:26.888		46.1		2.29		TAS					m_e

Event 10110007 Southern East Pacific Rise

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/10	15:44:47.90			-35.3700	-105.9300				10.0					132.93	133.29	m i ke	EMSC
OrigID 10110039																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	10110013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	132.93		PKPdf	16:04:02.450		262.9		2.03		TAS				m_e	
GRA1	132.93		L	16:53:40.600						T__		326.6	20.20	a_e Ms	5.0
MOX	133.29		L	17:00:44.406						T__		310.2	21.20	a_e Ms	5.0

Event 10110008 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/10	19:53:01.80	4.39	1.00	40.0600	33.3200	115.6	75.6	163	7.0				12 344	16.49	20.56	m i ke	EMSC
OrigID 10110040																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	10110014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	19.70		P	19:57:35.850		113.3		11.54		TAS		16.7	1.11	m_e mb	4.2
BRG	17.30		P	19:57:08.027	-1.4	113.3		11.54		TAS		17.9	1.35	m_e mb	4.0
CLL	18.03		P	19:57:17.127		113.3		11.54		TAS		29.2	1.55	m_e mb	4.2
CLZ	19.73		P	19:57:34.489		113.3		11.54		TAS		56.1	1.93	m_e mb	4.5
FLT1	19.50		P	19:57:32.686		113.3		11.54		TAS		43.6	1.31	m_e mb	4.5
GEC2	16.49		P	19:56:56.693	1.1	113.3		11.54		TAS		8.3	1.04	m_e mb	3.8
GOR1	19.80		P	19:57:35.939		113.3		11.54		TAS		180.9	2.01	m_e mb	5.0
GRA1	18.32		P	19:57:22.706		113.3		11.54		TAS		17.5	1.25	m_e mb	4.0
KAST	20.56		P	19:57:44.275		113.3		11.54		TAS		70.9	2.02	m_e mb	4.7
MOTA	17.59		P	19:57:11.476	-1.8	113.3		11.54		TAS		10.1	0.28	m_e mb	4.5
TANN	17.90		P	19:57:14.822		113.3		11.54		TAS		13.3	1.40	m_e mb	3.9
WET	17.10		P	19:57:05.316	0.2	113.3		11.54		TAS		10.2	1.04	m_e mb	3.9

Event 10110009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/10	20:29:39.75			-20.2950	-178.1470				33.0				17	147.12	152.29	m i ke	BGR
OrigID 10110015																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	147.95		PKPbc	20:49:21.491	0.1	17.6		2.60		TAS				m_e	
CLL	147.75		PKPbc	20:49:20.435	0.1	17.6		2.60		TAS				m_e	
FETA	152.29		PKPbc	20:49:32.328		17.6		2.60		TAS				m_e	
FLT1	147.12		PKPbc	20:49:18.305	0.2	17.6		2.60		TAS				m_e	
FUR	151.09		PKPbc	20:49:29.552		17.6		2.60		TAS				m_e	
GEC2	149.89		PKPbc	20:49:26.603		17.6		2.60		TAS				m_e	
GRA1	149.65		PKPbc	20:49:25.900		17.6		2.60		TAS				m_e	
GTTG	148.08		PKPbc	20:49:21.891	0.2	17.6		2.60		TAS				m_e	
MOTA	151.91		PKPbc	20:49:31.396		17.6		2.60		TAS				m_e	
MOX	148.66		PKPbc	20:49:22.926	-0.2	17.6		2.60		TAS				m_e	
NEUB	148.11		PKPbc	20:49:21.925	-0.2	17.6		2.60		TAS				m_e	
PLN	148.71		PKPbc	20:49:23.339		17.6		2.60		TAS				m_e	
SQTA	152.00		PKPbc	20:49:31.514		17.6		2.60		TAS				m_e	
STU	150.90		PKPbc	20:49:29.050		17.6		2.60		TAS				m_e	
TNS	149.59		PKPbc	20:49:25.718		17.6		2.60		TAS				m_e	
UBR	151.79		PKPbc	20:49:31.407		17.6		2.60		TAS				m_e	
WTTA	151.86		PKPbc	20:49:31.211		17.6		2.60		TAS				m_e	

Event 10111001 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/11	00:24:35.36			25.5400	124.5000				150.0	26.4		21		82.43	86.88	m i ke	BGR
OrigID 10111007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10111007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.88		P	00:37:03.470		56.5		5.00		TAS		41.3	1.73	m_e mb	5.3
BRG	82.43		P	00:36:41.109	-0.0	56.5		5.00		TAS		5.0	0.83	m_e mb	4.7
BSEG	82.64		P	00:36:42.345	-0.7	56.5		5.00		TAS		17.6	1.25	m_e mb	5.2
BUG	85.59		P	00:36:57.127	-0.4	56.5		5.00		TAS		25.3	1.08	m_e mb	5.3
CLL	82.70		P	00:36:42.548	-0.2	56.5		5.00		TAS		9.8	0.56	m_e mb	5.2
CLZ	83.78		P	00:36:48.246	0.2	56.5		5.00		TAS		65.5	1.71	m_e mb	5.6
FLT1	83.07		P	00:36:43.591	-0.0	56.5		5.00		TAS		9.3	0.55	m_e mb	5.2
FUR	85.35		P	00:36:56.182		56.5		5.00		TAS		16.6	0.88	m_e mb	5.3
GEC2	83.63		P	00:36:47.119		56.5		5.00		TAS		11.1	1.14	m_e mb	5.0
GRA1	84.54		P	00:36:51.691		56.5		5.00		TAS		69.3	1.82	m_e mb	5.6
GTTG	84.16		P	00:36:50.007	-0.1	56.5		5.00		TAS		38.6	1.53	m_e mb	5.4
IBBN	84.84		P	00:36:52.483	0.1	56.5		5.00		TAS		22.6	1.01	m_e mb	5.3
KAST	85.15		P	00:36:54.655	-0.0	56.5		5.00		TAS		40.4	1.78	m_e mb	5.4
NEUB	83.42		P	00:36:46.336	0.1	56.5		5.00		TAS		6.7	0.64	m_e mb	5.0
PLN	83.60		P	00:36:46.582	0.1	56.5		5.00		TAS		11.5	2.13	m_e mb	4.7
RETH	83.79		P	00:36:49.010	0.3	56.5		5.00		TAS		9.9	0.89	m_e mb	5.0



STU	86.15	P	00:37:00.049	56.5	5.00	TAS	20.5	0.91	m_e	mb	5.2	
TNS	85.71	P	00:36:57.342	-0.3	56.5	5.00	TAS	7.8	0.93	m_e	mb	4.8
UBR	86.28	P	00:37:00.032	56.5	5.00	TAS	21.3	1.30	m_e	mb	5.1	
WET	83.93	P	00:36:48.777	56.5	5.00	TAS	6.4	1.44	m_e	mb	4.7	

Event 10111003 Flores Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/11	01:20:38.50			-7.2630	120.4130				617.0			24		106.00	110.05	m i ke	NEIC
10111042																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	107.80		PKiKP	01:37:56.467	-0.1	79.9		1.84		TAS				m_e	
BFO	110.05		PKiKP	01:37:59.886		79.9		1.84		TAS				m_e	
BRG	106.00		PKiKP	01:37:52.854	0.1	79.9		1.84		TAS				m_e	
BSEG	107.63		PKiKP	01:37:56.524	-0.0	79.9		1.84		TAS				m_e	
BUG	110.01		PKiKP	01:38:00.497	-0.2	79.9		1.84		TAS				m_e	
CLL	106.52		PKiKP	01:37:53.622	-0.2	79.9		1.84		TAS				m_e	
CLZ	108.03		PKiKP	01:37:57.195	-0.4	79.9		1.84		TAS				m_e	
FLT1	107.42		PKiKP	01:37:55.455	0.0	79.9		1.84		TAS				m_e	
FUR	108.14		PKiKP	01:37:56.906		79.9		1.84		TAS				m_e	
GEC2	106.45		PKiKP	01:37:53.774	0.1	79.9		1.84		TAS				m_e	
GOR1	107.25		PKiKP	01:37:55.815	-0.0	79.9		1.84		TAS				m_e	
GRA1	107.92		PKiKP	01:37:56.754	0.0	79.9		1.84		TAS				m_e	
GRA1	107.92		PP	01:38:29.439		97.4		7.05		TAS				m_e	
GRA1	107.92		pPP	01:40:28.237						T__				m_e	
GTTG	108.34		PKiKP	01:37:57.518	0.1	79.9		1.84		TAS				m_e	
IBBN	109.50		PKiKP	01:37:59.733	0.2	79.9		1.84		TAS				m_e	
KAST	109.36		PKiKP	01:37:59.427	0.4	79.9		1.84		TAS				m_e	
MOX	107.50		PKiKP	01:37:56.177	0.2	79.9		1.84		TAS				m_e	
NEUB	107.30		PKiKP	01:37:55.302	0.0	79.9		1.84		TAS				m_e	
PLN	107.18		PKiKP	01:37:55.215	0.3	79.9		1.84		TAS				m_e	
RETH	108.45		PKiKP	01:37:57.823	-0.4	79.9		1.84		TAS				m_e	
STU	109.39		PKiKP	01:37:59.198	-0.1	79.9		1.84		TAS				m_e	
TANN	107.00		PKiKP	01:37:54.925	0.2	79.9		1.84		TAS				m_e	
TNS	109.56		PKiKP	01:37:59.809	0.1	79.9		1.84		TAS				m_e	
UBR	109.00		PKiKP	01:37:58.205		79.9		1.84		TAS				m_e	
WET	106.94		PKiKP	01:37:54.844	-0.4	79.9		1.84		TAS				m_e	

Event 10111005 Unimak Island, Alaska, United States, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2021/01/11 07:19:13.50 54.9620 -164.5640 33.0 25 71.26 77.50 m i ke BGR  
 10111011

Magnitude Err Nsta Author OrigID  
 mb 5.4 BGR 10111011  
 Ms 4.4 BGR 10111011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	73.07		P	07:30:39.194	-0.0	357.5		5.75		TAS		48.8	1.35	a_e	mb 5.5
BFO	76.77		P	07:31:00.244	-0.2	357.5		5.75		TAS		28.3	1.01	a_e	mb 5.3
BRG	74.40		P	07:30:46.694	-0.1	357.5		5.75		TAS		18.1	0.94	a_e	mb 5.1
BSEG	71.26		P	07:30:28.694	-0.1	357.5		5.75		TAS		50.8	1.43	a_e	mb 5.5
BUG	73.62		P	07:30:42.044	-0.2	357.5		5.75		TAS		32.4	0.92	a_e	mb 5.3
CLL	73.95		P	07:30:43.844	-0.4	357.5		5.75		TAS		33.6	1.17	m_e	mb 5.3
CLZ	73.35		P	07:30:41.144	0.3	357.5		5.75		TAS		63.9	1.31	a_e	mb 5.6
FLT1	72.89		P	07:30:37.594	-0.6	357.5		5.75		TAS		34.7	1.23	a_e	mb 5.3
FUR	77.05		P	07:31:02.144	0.0	357.5		5.75		TAS		66.8	1.14	a_e	mb 5.7
GEC2	76.42		P	07:30:58.494	0.0	357.5		5.75		TAS		22.5	1.10	a_e	mb 5.2
GOR1	72.23		P	07:30:34.244	-0.1	357.5		5.75		TAS		32.0	1.14	m_e	mb 5.3
GRA1	75.53		P	07:30:53.694	0.4	357.5		5.75		TAS		60.2	1.15	a_e	mb 5.6
GRA1	75.53		L	08:01:46.893						T__		159.3	20.00	a_e	Ms 4.3
GTTG	73.63		P	07:30:42.744	0.3	357.5		5.75		TAS		63.5	1.07	a_e	mb 5.6
IBBN	72.78		P	07:30:37.694	0.2	357.5		5.75		TAS		54.8	1.19	a_e	mb 5.6
KAST	73.91		P	07:30:44.044	0.1	357.5		5.75		TAS		23.1	1.17	a_e	mb 5.1
MOX	74.58		P	07:30:47.944	0.0	357.5		5.75		TAS		56.6	1.24	a_e	mb 5.5
MOX	74.58		L	08:02:28.836						T__		225.2	20.10	m_e	Ms 4.5
NEUB	74.04		P	07:30:44.644	-0.1	357.5		5.75		TAS		67.6	1.23	a_e	mb 5.5
PLN	74.76		P	07:30:48.894	0.0	357.5		5.75		TAS		9.0	1.26	a_e	mb 4.7
RETH	72.42		P	07:30:35.101	0.2	357.5		5.75		TAS		19.9	1.13	m_e	mb 5.2
RUE	72.79		P	07:30:37.544	0.0	357.5		5.75		TAS		34.0	0.53	a_e	mb 5.7
STU	76.37		P	07:30:58.044	-0.1	357.5		5.75		TAS		177.9	1.32	a_e	mb 6.0
TANN	74.83		P	07:30:49.594	0.3	357.5		5.75		TAS		34.5	1.47	a_e	mb 5.2
TNS	74.89		P	07:30:49.644	0.0	357.5		5.75		TAS		37.1	1.11	a_e	mb 5.3
UBR	77.50		P	07:31:04.494	-0.2	357.5		5.75		TAS		31.4	1.07	a_e	mb 5.4
WET	76.11		P	07:30:56.944	0.3	357.5		5.75		TAS		24.0	1.18	a_e	mb 5.2

Event 10111006 Fiji Islands region  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2021/01/11 10:51:18.29 -20.3320 -177.7540 480.0 23 145.81 151.90 m i ke BGR  
 10111012

Magnitude Err Nsta Author OrigID

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



Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10111014
Ms	4.4		BGR	10111014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	30.70		P	12:53:15.970		263.9		8.77		TAS		39.3	1.30	m_e	mb 5.2
GRA1	30.70		L	13:02:43.089						T__		1501.8	19.20	a_e	Ms 4.7
MOX	31.03		L	13:04:44.747						T__		506.7	20.80	a_e	Ms 4.2

Event 10111009 Eastern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/11	14:02:01.17			33.5430	77.0080				21.8					50.13	50.13	m i ke	BGR
OrigID 10111015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10111015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	50.13		P	14:10:52.742		93.1		6.55		TAS		6.3	0.80	m_e	mb 4.6
GRA1	50.13		pP	14:10:58.668						T__				m_e	

Event 10111011 Tuva-Buryatia-Mongolia border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/11	21:33:05.20			51.1560	99.9750				33.0				24	49.19	55.43	m i ke	BGR
OrigID 10111017																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	10111017
MBB	6.9		BGR	10111017
Ms	7.1		BGR	10111017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	51.89		SS	21:53:16.215	0.2	57.6		14.72		TAS				a_e	
ASSE	51.89		P	21:42:08.866	-0.0					T__		1063.3	1.89	a_e	mb 6.5
ASSE	51.89		PP	21:44:08.741	-0.3	53.4		9.59		TAS				a_e	
BFO	55.43		SS	21:53:52.615		57.6		14.72		TAS				a_e	
BFO	55.43		P	21:42:34.716	-0.6					T__		294.4	1.44	a_e	mb 6.1
BFO	55.43		PP	21:44:42.091	-0.8	53.4		9.59		TAS				a_e	
BRG	50.99		SS	21:52:58.915	-1.1	57.6		14.72		TAS				a_e	
BRG	50.99		P	21:42:02.216	-0.3					T__		236.6	0.91	a_e	mb 6.1
BRG	50.99		PP	21:44:00.641	0.4	53.4		9.59		TAS				a_e	

BSEG	50.98	SS	21:53:03.215	-0.9	57.6	14.72	TAS			a_e		
BSEG	50.98	P	21:42:02.316	0.6			T__	479.8	1.23	a_e mb	6.3	
BSEG	50.98	PP	21:44:00.341	0.1	53.4	9.59	TAS			a_e		
BUG	53.97	SS	21:53:52.615	9.7	57.6	14.72	TAS			a_e		
BUG	53.97	P	21:42:24.166	0.1			T__	335.2	0.98	a_e mb	6.3	
BUG	53.97	PP	21:44:29.291	0.2	53.4	9.59	TAS			a_e		
CLL	51.21	SS	21:53:02.615	-1.7	57.6	14.72	TAS			m_e		
CLL	51.21	P	21:42:03.616	-0.5			T__	237.4	0.82	a_e mb	6.2	
CLL	51.21	PP	21:44:01.941	-0.5	53.4	9.59	TAS			m_e		
CLZ	52.21	SS	21:53:21.665	1.3	57.6	14.72	TAS			a_e		
CLZ	52.21	P	21:42:11.566	0.3			T__	339.4	1.25	m_e mb	6.1	
CLZ	52.21	PP	21:44:12.391	0.3	53.4	9.59	TAS			m_e		
FLT1	51.49	SS	21:53:09.115	-0.9	57.6	14.72	TAS			a_e		
FLT1	51.49	P	21:42:05.266	-0.7			T__	126.3	0.83	a_e mb	5.9	
FLT1	51.49	PP	21:44:04.491	-0.7	53.4	9.59	TAS			a_e		
FUR	54.02	SS	21:53:52.365	3.9	57.6	14.72	TAS			a_e		
FUR	54.02	P	21:42:25.166	0.3			T__	370.7	1.00	a_e mb	6.4	
FUR	54.02	PP	21:44:28.991	0.1	53.4	9.59	TAS			a_e		
GEC2	52.34	SS	21:53:22.415	4.8	57.6	14.72	TAS			a_e		
GEC2	52.34	P	21:42:12.466	0.1			T__	303.1	1.51	a_e mb	6.0	
GEC2	52.34	PP	21:44:13.491	1.0	53.4	9.59	TAS			a_e		
GOR1	51.06	P	21:42:03.216	0.5			T__	2393.3	2.10	a_e mb	6.8	
GOR1	51.06	PP	21:44:01.041	-0.1	53.4	9.59	TAS			a_e		
GRA1	53.10	SS	21:53:35.615	6.2	57.6	14.72	TAS			a_e		
GRA1	53.10	P	21:42:18.566	0.5			T__	1813.5	1.83	a_e mb	6.7	
GRA1	53.10	PP	21:44:20.641	0.2	53.4	9.59	TAS			a_e		
GRA1	53.10	L	22:05:39.258				T__	143897.0	20.20	a_e Ms	7.0	
GTTG	52.59	SS	21:53:27.665	4.6	57.6	14.72	TAS			a_e		
GTTG	52.59	P	21:42:14.566	0.5			T__	705.8	1.06	a_e mb	6.5	
GTTG	52.59	PP	21:44:16.191	0.4	53.4	9.59	TAS			a_e		
HLG	51.99	P	21:42:08.077	-0.6			T__	723.4	1.35	m_e mb	6.4	
HLG	51.99	PP	21:44:09.841	0.3	53.4	9.59	TAS			a_e		
IBBN	53.20	SS	21:53:42.615	3.9	57.6	14.72	TAS			a_e		
IBBN	53.20	P	21:42:18.066	-0.1			T__	222.5	0.69	a_e mb	6.2	
IBBN	53.20	PP	21:44:21.791	0.3	53.4	9.59	TAS			a_e		
KAST	53.56	SS	21:53:44.715	5.2	57.6	14.72	TAS			a_e		
KAST	53.56	P	21:42:21.366	0.1			T__	228.9	1.11	a_e mb	6.1	
KAST	53.56	PP	21:44:25.891	0.7	53.4	9.59	TAS			a_e		
MOX	52.31	SS	21:53:21.665	5.2	57.6	14.72	TAS			a_e		
MOX	52.31	P	21:42:12.366	0.1			T__	482.9	1.37	a_e mb	6.2	
MOX	52.31	PP	21:44:12.791	-0.2	53.4	9.59	TAS			a_e		
MOX	52.31	L	22:06:17.529				T__	266578.0	20.80	a_e Ms	7.3	
NEUB	51.90	SS	21:53:14.815	-0.0	57.6	14.72	TAS			a_e		
NEUB	51.90	P	21:42:08.816	-0.4			T__	627.9	1.47	a_e mb	6.3	
NEUB	51.90	PP	21:44:08.491	-0.6	53.4	9.59	TAS			a_e		
PLN	52.14	SS	21:53:18.165	1.1	57.6	14.72	TAS			a_e		
PLN	52.14	P	21:42:10.966	0.0			T__	52.0	0.84	a_e mb	5.5	
PLN	52.14	PP	21:44:10.741	-0.5	53.4	9.59	TAS			a_e		
RETH	52.16	P	21:42:11.016	0.4			T__	524.2	1.38	a_e mb	6.3	

./bul2101.txt Wed Oct 05 11:00:17 2022 30

RETH	52.16	PP	21:44:11.491	-0.1	53.4	9.59	TAS	a_e										
RGN	49.19	SS	21:52:28.865	-8.4	57.6	14.72	TAS	a_e										
RGN	49.19	P	21:41:48.566	-0.1			T__		766.8	1.16	a_e mb	6.6						
RGN	49.19	PP	21:43:42.991	-0.1	53.4	9.59	TAS	a_e										
RUE	50.14	SS	21:52:44.615	-4.8	57.6	14.72	TAS	a_e										
RUE	50.14	P	21:41:55.816	-0.3			T__		502.7	1.25	a_e mb	6.3						
RUE	50.14	PP	21:43:51.891	-0.4	53.4	9.59	TAS	a_e										
STU	54.71	SS	21:53:43.265	-7.9	57.6	14.72	TAS	a_e										
STU	54.71	P	21:42:29.716	-0.2			T__		643.5	0.82	a_e mb	6.7						
STU	54.71	PP	21:44:35.041	-0.9	53.4	9.59	TAS	a_e										
TANN	52.02	SS	21:53:17.165	0.9	57.6	14.72	TAS	a_e										
TANN	52.02	P	21:42:10.166	0.0			T__		259.2	1.31	a_e mb	6.0						
TANN	52.02	PP	21:44:10.291	0.2	53.4	9.59	TAS	a_e										
TNS	54.16	SS	21:53:52.615	-11.6	57.6	14.72	TAS	a_e										
TNS	54.16	P	21:42:26.016	0.2			T__		236.8	1.05	a_e mb	6.2						
TNS	54.16	PP	21:44:31.191	0.3	53.4	9.59	TAS	a_e										
UBR	54.94	SS	21:53:48.315	-12.9	57.6	14.72	TAS	a_e										
UBR	54.94	P	21:42:31.366	-0.2			T__		240.2	1.41	a_e mb	6.0						
UBR	54.94	PP	21:44:37.641	-0.1	53.4	9.59	TAS	a_e										
WET	52.58	SS	21:53:26.565	1.6	57.6	14.72	TAS	a_e										
WET	52.58	P	21:42:14.566	0.4			T__		347.7	1.39	a_e mb	6.1						
WET	52.58	PP	21:44:15.691	0.6	53.4	9.59	TAS	a_e										

Event 10111013 Mongolia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/11	22:03:00.98			50.9930	100.3310				33.0					53.38	53.38	m i ke	BGR
10111019																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10111019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	53.38		P	22:12:16.372		51.3		6.05		TAS		44.8	1.30	m_e mb	5.2

Event 10111012 Mongolia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/11	23:02:26.95			50.8110	100.2080				33.0					53.42	53.42	m i ke	BGR
10111018																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10111018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	53.42		P	23:11:42.666		51.5		6.23		TAS		13.3	1.15	m_e mb	4.8

Event 10112002 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/12	02:39:44.83			43.8320	139.9340				200.0			27		71.88	78.75	m i ke	BGR
OrigID 10112008																	

Magnitude	Err	Nsta	Author	OrigID
mb 6.3			BGR	10112008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	74.76		P	02:51:01.124	-0.0	35.4		5.62		TAS		223.8	1.14	a_e mb	6.1
BFO	78.75		P	02:51:23.274	-0.3	35.4		5.62		TAS		326.2	1.29	a_e mb	6.2
BRG	74.57		P	02:50:59.924	-0.1	35.4		5.62		TAS		154.5	1.07	m_e mb	6.0
BSEG	73.42		P	02:50:53.524	0.0	35.4		5.62		TAS		274.5	0.79	a_e mb	6.3
BUG	76.52		P	02:51:10.774	-0.2	35.4		5.62		TAS		591.5	1.45	a_e mb	6.5
CLL	74.58		P	02:50:59.674	-0.4	35.4		5.62		TAS		307.1	0.68	a_e mb	6.5
CLZ	75.10		P	02:51:03.374	0.3	35.4		5.62		TAS		405.6	1.08	a_e mb	6.4
FLT1	74.40		P	02:50:58.524	-0.6	35.4		5.62		TAS		382.0	0.66	a_e mb	6.6
FUR	77.78		P	02:51:18.374	0.2	35.4		5.62		TAS		674.8	1.40	a_e mb	6.6
GEC2	76.28		P	02:51:09.774	0.1	35.4		5.62		TAS		102.8	1.00	a_e mb	5.9
GOR1	73.84		P	02:50:56.224	0.3	35.4		5.62		TAS		545.4	1.24	a_e mb	6.4
GRA1	76.55		P	02:51:11.774	0.5	35.4		5.62		TAS		291.5	0.74	a_e mb	6.5
GTTG	75.49		P	02:51:05.424	0.2	35.4		5.62		TAS		585.8	1.46	a_e mb	6.5
HLG	74.03		P	02:50:57.245	0.4	35.4		5.62		TAS		493.7	0.78	m_e mb	6.6
IBBN	75.63		P	02:51:05.874	-0.1	35.4		5.62		TAS		315.1	1.09	a_e mb	6.4
KAST	76.32		P	02:51:09.974	0.1	35.4		5.62		TAS		272.5	1.31	a_e mb	6.2
MOX	75.63		P	02:51:06.124	0.1	35.4		5.62		TAS		135.1	1.01	a_e mb	6.0
NEUB	75.13		P	02:51:02.974	-0.2	35.4		5.62		TAS		281.0	0.76	a_e mb	6.4
PLN	75.56		P	02:51:05.724	0.1	35.4		5.62		TAS		34.3	0.93	a_e mb	5.5
RETH	74.73		P	02:51:00.924	0.0	35.4		5.62		TAS		305.6	1.08	a_e mb	6.2
RGN	71.88		P	02:50:44.574	-0.3	35.4		5.62		TAS		400.5	0.75	a_e mb	6.6
RUE	73.35		P	02:50:53.074	-0.2	35.4		5.62		TAS		633.7	1.19	a_e mb	6.6
STU	78.06		P	02:51:19.574	-0.2	35.4		5.62		TAS		425.0	0.80	a_e mb	6.6
TANN	75.50		P	02:51:05.374	0.1	35.4		5.62		TAS		69.7	1.01	a_e mb	5.7
TNS	77.13		P	02:51:14.474	0.0	35.4		5.62		TAS		147.1	1.03	a_e mb	6.0
UBR	78.62		P	02:51:22.474	-0.4	35.4		5.62		TAS		83.0	1.08	a_e mb	5.7
WET	76.36		P	02:51:10.674	0.5	35.4		5.62		TAS		270.3	1.18	a_e mb	6.3

Event 10112005 Irian Jaya, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/12	18:17:36.60			-3.2630	136.8310				28.0			21		112.18	116.46	m i ke	NEIC
OrigID 10112044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0		BGR	10112011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	114.04		SP	18:46:34.610	-1.0	62.8		9.35		TAS				m_e	
BRG	112.77		SP	18:46:20.683	-0.8	62.8		9.35		TAS				m_e	
BUG	116.21		SP	18:46:52.955		62.8		9.35		TAS				m_e	
CLL	113.12		SP	18:46:23.695	-0.7	62.8		9.35		TAS				m_e	
CLZ	114.34		SP	18:46:34.988	-0.1	62.8		9.35		TAS				m_e	
FLT1	113.64		SP	18:46:28.714	-1.0	62.8		9.35		TAS				m_e	
FUR	115.50		SP	18:46:46.532	1.2	62.8		9.35		TAS				m_e	
GEC2	113.76		SP	18:46:30.471	-0.9	62.8		9.35		TAS				m_e	
GRA1	114.86		SP	18:46:40.760	-0.7	62.8		9.35		TAS				m_e	
GRA1	114.86		L	19:30:10.767						T__		4187.5	20.80	a_e Ms	6.0
GTTG	114.70		SP	18:46:39.505	0.9	62.8		9.35		TAS				m_e	
IBBN	115.51		SP	18:46:47.536	0.7	62.8		9.35		TAS				m_e	
KAST	115.72		SP	18:46:49.780		62.8		9.35		TAS				m_e	
MOX	114.20		SP	18:46:34.737	0.1	62.8		9.35		TAS				m_e	
MOX	114.20		L	19:28:25.896						T__		5101.7	21.80	a_e Ms	6.1
NEUB	113.86		SP	18:46:30.471	0.2	62.8		9.35		TAS				m_e	
PLN	113.96		SP	18:46:31.474	0.1	62.8		9.35		TAS				m_e	
RETH	114.44		SP	18:46:36.022	-0.5	62.8		9.35		TAS				m_e	
RUE	112.18		SP	18:46:19.088	-0.6	62.8		9.35		TAS				m_e	
STU	116.46		SP	18:46:56.570		62.8		9.35		TAS				m_e	
TANN	113.82		SP	18:46:30.471	1.4	62.8		9.35		TAS				m_e	
UBR	116.42		SP	18:46:56.821		62.8		9.35		TAS				m_e	
WET	114.12		SP	18:46:34.235	-1.1	62.8		9.35		TAS				m_e	

Event 10112006 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/12	22:09:55.50	0.56	3.80	38.3880	22.0630	62.3	25.6	69	4.0				18 335	9.83	17.50	m i ke	EMSC
OrigID 10112038																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.5		BGR	10112012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	10.07		Pn	22:12:21.263	-5.5					T__				m_e	
BFO	14.06		Pn	22:13:14.304	1.6					T__				m_e	
BIOA	11.14		Pn	22:12:35.538	-2.4					T__				m_e	





10112014

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	10.80		Pn	22:59:14.612	-0.4					T__				m_e		
DAVA	13.16		Pn	22:59:48.782	1.5					T__				m_e		
LESA	11.99		Sn	23:01:33.673	-2.0					T__				m_e		
MOA	11.74		Sn	23:01:32.045	2.4					T__				m_e		
MOA	11.74		Pn	22:59:27.963	0.1					T__				m_e		
MOTA	12.62		Sn	23:01:52.517	2.0					T__				m_e		
MOTA	12.62		Pn	22:59:39.551	-0.4					T__				m_e		
OBKA	10.50		Sn	23:00:59.475	-0.8					T__				m_e		
OBKA	10.50		Pn	22:59:10.368	-0.5					T__				m_e		
PART	12.73		Pn	22:59:41.574	0.2					T__				m_e		
RJOB	12.19		Pn	22:59:33.672	-0.4					T__				m_e		
SQTA	12.48		Sn	23:01:47.399	0.2					T__				m_e		
SQTA	12.48		Pn	22:59:38.011	0.0					T__				m_e		
WTTA	12.32		Sn	23:01:41.583	-1.8					T__				m_e		
WTTA	12.32		Pn	22:59:35.603	-0.2					T__				m_e		
ZUGS	12.73		Pn	22:59:41.453	0.0					T__				m_e		

Event 10113003 Greenland Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2021/01/13	22:47:40.72			73.1630	7.7750				33.0				8	20.48	24.17	m i ke	BGR
10113009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10113009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	21.12		P	22:52:23.478	-0.3	356.4		10.20		TAS		145.8	2.28	m_e	mb	4.9
CLL	22.02		P	22:52:31.136		356.4		10.20		TAS		22.3	1.29	m_e	mb	4.4
FLT1	20.93		P	22:52:20.834	0.1	356.4		10.20		TAS		17.2	0.90	m_e	mb	4.4
GRA1	23.57		P	22:52:48.363		356.4		10.20		TAS		60.0	1.86	m_e	mb	4.8
KAST	22.01		P	22:52:31.918		356.4		10.20		TAS		106.7	2.33	m_e	mb	4.9
MOX	22.63		P	22:52:39.534		356.4		10.20		TAS		12.0	0.98	m_e	mb	4.4
PLN	22.81		P	22:52:40.861		356.4		10.20		TAS		2.2	1.00	m_e	mb	3.6
RETH	20.48		P	22:52:17.583	-0.0	356.4		10.20		TAS		31.5	1.29	m_e	mb	4.5
TNS	22.99		P	22:52:42.594		356.4		10.20		TAS		29.0	1.50	m_e	mb	4.6
WET	24.17		P	22:52:54.834		356.4		10.20		TAS		11.0	1.10	m_e	mb	4.3

Event 10114003 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/14	05:13:47.50			50.4790	-175.2790				34.9	0.8		23		75.72	81.97	m i ke	BGR
OrigID 10114009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10114009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	77.51		P	05:25:38.595	-0.6	4.2		5.42		TAS		9.6	0.90	m_e mb	4.9
BFO	81.39		P	05:25:58.861		4.2		5.42		TAS		16.2	1.13	m_e mb	5.0
BRG	78.59		P	05:25:43.759	0.2	4.2		5.42		TAS		20.4	1.09	m_e mb	5.1
BRG	78.59		sP	05:25:58.029		5.1		5.69		TAS				m_e	
BSEG	75.72		P	05:25:28.598	0.1	4.2		5.42		TAS		59.1	1.53	m_e mb	5.5
BUG	78.30		P	05:25:42.965	-0.4	4.2		5.42		TAS		38.6	1.08	m_e mb	5.5
CLL	78.21		P	05:25:41.616	-0.7	4.2		5.42		TAS		18.0	1.13	m_e mb	5.1
CLZ	77.81		P	05:25:40.349	0.4	4.2		5.42		TAS		23.6	1.15	m_e mb	5.2
FLT1	77.28		P	05:25:36.513	0.4	4.2		5.42		TAS		6.7	0.43	m_e mb	5.1
GEC2	80.62		P	05:25:55.256	0.1	4.2		5.42		TAS		13.1	1.14	m_e mb	4.9
GEC2	80.62		sP	05:26:09.610		5.1		5.69		TAS				m_e	
GOR1	76.62		P	05:25:33.834	-0.6	4.2		5.42		TAS		24.5	0.47	m_e mb	5.6
GRA1	79.92		P	05:25:51.943	0.2	4.2		5.42		TAS		33.4	1.11	m_e mb	5.2
GRA1	79.92		sP	05:26:05.778		5.1		5.69		TAS				m_e	
GTTG	78.12		P	05:25:42.097	0.4	4.2		5.42		TAS		17.1	0.77	m_e mb	5.2
IBBN	77.42		P	05:25:37.719	0.4	4.2		5.42		TAS		52.1	1.23	m_e mb	5.5
KAST	78.51		P	05:25:43.050	0.1	4.2		5.42		TAS		262.6	3.44	m_e mb	5.7
MOX	78.95		P	05:25:45.805	-0.1	4.2		5.42		TAS		15.9	1.04	m_e mb	5.0
NEUB	78.39		P	05:25:43.564	-0.4	4.2		5.42		TAS		33.6	0.96	m_e mb	5.3
PLN	79.08		P	05:25:46.974	0.5	4.2		5.42		TAS		3.2	1.19	m_e mb	4.2
RUE	77.00		P	05:25:35.701	0.2	4.2		5.42		TAS		16.9	0.44	m_e mb	5.5
STU	80.92		P	05:25:57.010		4.2		5.42		TAS		11.0	0.25	m_e mb	5.5
TANN	79.13		P	05:25:47.364	0.1	4.2		5.42		TAS		19.0	1.56	m_e mb	4.9
TNS	79.49		P	05:25:49.020	0.0	4.2		5.42		TAS		19.4	1.02	m_e mb	5.0
UBR	81.97		P	05:26:02.736		4.2		5.42		TAS		18.6	1.32	m_e mb	5.0
WET	80.37		P	05:25:53.989	-0.5	4.2		5.42		TAS		13.7	1.21	m_e mb	4.8

Event 10114005 Sulawesi, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/14	06:35:50.40			-2.9700	118.8490				19.0					103.19	103.64	m i ke	NEIC
OrigID 10114044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	10114011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	103.64		PP	06:54:04.272		78.3		6.80		TAS				m_e	
GRA1	103.64		L	07:43:04.693						T__		571.5	20.90	a_e Ms	5.1
MOX	103.19		L	07:45:36.723						T__		438.5	20.70	a_e Ms	5.0

Event 10114006 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/14	16:28:07.57			25.9070	123.0790				33.0			8		81.37	85.20	m i ke	BGR
OrigID 10114012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10114012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	81.37		P	16:40:20.219		57.2		5.14		TAS		3.1	0.44	m_e mb	4.6
FLT1	82.04		P	16:40:23.378	-0.1	57.2		5.14		TAS		4.0	0.77	m_e mb	4.6
FUR	84.27		P	16:40:35.189		57.2		5.14		TAS		18.7	0.96	m_e mb	5.3
GEC2	82.55		P	16:40:26.360		57.2		5.14		TAS		9.3	1.00	m_e mb	5.0
IBBN	83.82		P	16:40:33.223	-0.1	57.2		5.14		TAS		18.5	1.04	m_e mb	5.2
TNS	84.66		P	16:40:37.077		57.2		5.14		TAS		4.0	0.72	m_e mb	4.7
UBR	85.20		P	16:40:39.851		57.2		5.14		TAS		8.9	0.94	m_e mb	5.0
WET	82.85		P	16:40:28.302		57.2		5.14		TAS		2.9	1.10	m_e mb	4.4

Event 10114007 Greenland Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/14	17:20:36.83			73.2500	7.7690				33.0					23.66	23.66	m i ke	BGR
OrigID 10114013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10114013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.66		P	17:25:45.337		358.0		10.04		TAS		113.8	2.27	m_e mb	5.0

Event 10114002 Sulawesi, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/14	18:28:18.20			-2.9300	118.9300				20.0			24		101.26	105.81	m i ke	EMSC
OrigID																	

10114034

Magnitude Err Nsta Author OrigID  
Ms 6.1 BGR 10114008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	101.26		PP	18:46:11.262	0.3	85.0		7.55		TAS					m_e
ASSE	103.47		SKSac	18:52:53.042	0.0	81.1		4.78		TAS					a_e
ASSE	103.47		SP	18:55:38.042	-2.5	80.0		10.16		TAS					a_e
ASSE	103.47		SS	19:01:18.888	-3.2	81.4		13.58		TAS					a_e
ASSE	103.47		PP	18:46:32.864	0.7	85.0		7.55		TAS					a_e
BFO	105.81		SKSac	18:53:01.842	-1.5	81.1		4.78		TAS					a_e
BFO	105.81		SP	18:56:04.592		80.0		10.16		TAS					a_e
BFO	105.81		SS	19:01:51.588		81.4		13.58		TAS					a_e
BFO	105.81		PP	18:46:45.864	-0.2	85.0		7.55		TAS					a_e
BIOA	102.46		PP	18:46:19.841	-0.5	85.0		7.55		TAS					m_e
BRG	101.72		SKSac	18:52:43.192	-1.0	81.1		4.78		TAS					a_e
BRG	101.72		SP	18:55:22.403	0.3	80.0		10.16		TAS					m_e
BRG	101.72		SS	19:00:57.188	0.2	81.4		13.58		TAS					a_e
BRG	101.72		PP	18:46:17.814	0.2	85.0		7.55		TAS					a_e
BSEG	103.26		SKSac	18:52:53.042	0.4	81.1		4.78		TAS					m_e
BSEG	103.26		SP	18:55:38.192	-1.1	80.0		10.16		TAS					a_e
BSEG	103.26		SS	19:01:24.957	3.9	81.4		13.58		TAS					m_e
BSEG	103.26		PP	18:46:34.331	1.9	85.0		7.55		TAS					m_e
BUG	105.68		SKSac	18:53:03.442	-0.1	81.1		4.78		TAS					a_e
BUG	105.68		SP	18:56:03.192	1.4	80.0		10.16		TAS					a_e
BUG	105.68		SS	19:01:52.388	0.4	81.4		13.58		TAS					a_e
BUG	105.68		PP	18:46:48.214		85.0		7.55		TAS					a_e
CLL	102.22		SKSac	18:52:45.742	-1.0	81.1		4.78		TAS					a_e
CLL	102.22		SP	18:55:27.112	-0.3	80.0		10.16		TAS					m_e
CLL	102.22		SS	19:01:02.788	-1.4	81.4		13.58		TAS					a_e
CLL	102.22		PP	18:46:21.664	-0.2	85.0		7.55		TAS					a_e
CLZ	103.71		SKSac	18:52:54.492	0.4	81.1		4.78		TAS					a_e
CLZ	103.71		SP	18:55:41.392	-1.6	80.0		10.16		TAS					a_e
CLZ	103.71		SS	19:01:23.238	-2.0	81.4		13.58		TAS					m_e
CLZ	103.71		PP	18:46:34.664	0.9	85.0		7.55		TAS					a_e
DAVA	105.03		PP	18:46:39.408	-0.2	85.0		7.55		TAS					m_e
FETA	104.52		PP	18:46:34.995	-0.5	85.0		7.55		TAS					m_e
FLT1	103.08		SKSac	18:52:50.842	-0.4	81.1		4.78		TAS					a_e
FLT1	103.08		SP	18:55:34.492	-2.2	80.0		10.16		TAS					a_e
FLT1	103.08		SS	19:01:14.738	-2.3	81.4		13.58		TAS					a_e
FLT1	103.08		PP	18:46:29.770	0.3	85.0		7.55		TAS					m_e
FUR	103.93		SKSac	18:52:54.242	0.1	81.1		4.78		TAS					a_e
FUR	103.93		SS	19:01:24.538	-0.7	81.4		13.58		TAS					a_e
FUR	103.93		PP	18:46:31.814	-0.1	85.0		7.55		TAS					a_e
GEC2	102.22		SKSac	18:52:46.992	0.9	81.1		4.78		TAS					a_e
GEC2	102.22		SP	18:55:26.442	-0.1	80.0		10.16		TAS					a_e
GEC2	102.22		SS	19:01:02.638	0.4	81.4		13.58		TAS					a_e
GEC2	102.22		PP	18:46:19.514	-0.1	85.0		7.55		TAS					a_e

GOR1	102.90	PP	18:46:29.264	0.6	85.0	7.55	TAS	a_e		
GRA1	103.66	SKSac	18:52:54.742	1.5	81.1	4.78	TAS	a_e		
GRA1	103.66	SP	18:55:41.142	-0.4	80.0	10.16	TAS	a_e		
GRA1	103.66	SS	19:01:24.388	1.8	81.4	13.58	TAS	a_e		
GRA1	103.66	PP	18:46:32.214	1.0	85.0	7.55	TAS	a_e		
GRA1	103.66	L	19:36:37.279				T__		5762.2	19.40 a_e Ms 6.1
GTTG	104.03	SKSac	18:52:55.892	0.3	81.1	4.78	TAS	a_e		
GTTG	104.03	SP	18:55:49.084	-0.4	80.0	10.16	TAS	m_e		
GTTG	104.03	SS	19:01:27.688	-1.6	81.4	13.58	TAS	a_e		
GTTG	104.03	PP	18:46:35.814	-0.0	85.0	7.55	TAS	a_e		
HLG	104.58	SKSac	18:52:59.242	0.1	81.1	4.78	TAS	a_e		
HLG	104.58	SP	18:55:52.742	2.7	80.0	10.16	TAS	a_e		
HLG	104.58	SS	19:01:40.188	0.5	81.4	13.58	TAS	a_e		
IBBN	105.16	SKSac	18:53:00.842	-0.5	81.1	4.78	TAS	a_e		
IBBN	105.16	SP	18:55:57.542	1.2	80.0	10.16	TAS	a_e		
IBBN	105.16	SS	19:01:45.361	0.3	81.4	13.58	TAS	m_e		
IBBN	105.16	PP	18:46:43.925	-0.6	85.0	7.55	TAS	m_e		
KAST	105.05	SKSac	18:53:00.642	0.2	81.1	4.78	TAS	a_e		
KAST	105.05	SP	18:55:57.192	0.9	80.0	10.16	TAS	a_e		
KAST	105.05	SS	19:01:42.038	1.3	81.4	13.58	TAS	a_e		
KAST	105.05	PP	18:46:44.014	0.6	85.0	7.55	TAS	a_e		
KBA	102.76	PP	18:46:23.005	0.9	85.0	7.55	TAS	m_e		
LESA	103.14	PP	18:46:25.020	-0.3	85.0	7.55	TAS	m_e		
MOA	102.01	PP	18:46:16.800	-0.4	85.0	7.55	TAS	m_e		
MOTA	104.21	PP	18:46:33.147	-0.2	85.0	7.55	TAS	m_e		
MOX	103.21	SKSac	18:52:52.242	0.9	81.1	4.78	TAS	a_e		
MOX	103.21	SP	18:55:35.392	-1.9	80.0	10.16	TAS	a_e		
MOX	103.21	SS	19:01:18.038	0.8	81.4	13.58	TAS	a_e		
MOX	103.21	PP	18:46:28.914	0.2	85.0	7.55	TAS	a_e		
MOX	103.21	L	19:36:16.444				T__		5572.4	18.10 a_e Ms 6.1
NEUB	103.00	SKSac	18:52:50.192	-0.3	81.1	4.78	TAS	a_e		
NEUB	103.00	SP	18:55:32.192	-3.2	80.0	10.16	TAS	a_e		
NEUB	103.00	SS	19:01:13.588	-1.3	81.4	13.58	TAS	a_e		
NEUB	103.00	PP	18:46:27.464	-0.2	85.0	7.55	TAS	a_e		
OBKA	102.03	PP	18:46:17.347	1.1	85.0	7.55	TAS	m_e		
PLN	102.91	SKSac	18:52:49.892	0.1	81.1	4.78	TAS	a_e		
PLN	102.91	SP	18:55:31.592	-2.5	80.0	10.16	TAS	a_e		
PLN	102.91	SS	19:01:14.388	1.5	81.4	13.58	TAS	a_e		
PLN	102.91	PP	18:46:26.614	0.4	85.0	7.55	TAS	m_e		
RETA	104.41	PP	18:46:34.535	-0.5	85.0	7.55	TAS	m_e		
RETH	104.11	PP	18:46:38.064	0.4	85.0	7.55	TAS	a_e		
RGN	101.41	SKSac	18:52:44.042	0.2	81.1	4.78	TAS	a_e		
RGN	101.41	SP	18:55:23.972	3.4	80.0	10.16	TAS	m_e		
RGN	101.41	SS	19:00:59.788	3.6	81.4	13.58	TAS	a_e		
RGN	101.41	PP	18:46:15.864	-3.0	85.0	7.55	TAS	a_e		
RUE	101.53	SKSac	18:52:42.242	-1.5	81.1	4.78	TAS	a_e		
RUE	101.53	SP	18:55:27.112	6.2	80.0	10.16	TAS	m_e		
RUE	101.53	SS	19:00:51.938	-3.9	81.4	13.58	TAS	a_e		
RUE	101.53	PP	18:46:17.214	-0.5	85.0	7.55	TAS	a_e		

SQTA	104.16	PP	18:46:32.996	0.1	85.0	7.55	TAS	m_e
STU	105.15	SKSac	18:52:59.892	-0.3	81.1	4.78	TAS	a_e
STU	105.15	SP	18:55:57.392	-0.5	80.0	10.16	TAS	a_e
STU	105.15	SS	19:01:43.738	-0.3	81.4	13.58	TAS	a_e
STU	105.15	PP	18:46:41.264	-0.5	85.0	7.55	TAS	a_e
TANN	102.73	SKSac	18:52:49.292	0.4	81.1	4.78	TAS	a_e
TANN	102.73	SP	18:55:29.942	-2.4	80.0	10.16	TAS	a_e
TANN	102.73	SS	19:01:12.388	2.0	81.4	13.58	TAS	a_e
TANN	102.73	PP	18:46:25.314	0.5	85.0	7.55	TAS	a_e
TNS	105.28	SKSac	18:53:02.092	0.9	81.1	4.78	TAS	a_e
TNS	105.28	SP	18:55:59.542	0.1	80.0	10.16	TAS	m_e
TNS	105.28	SS	19:01:45.688	0.3	81.4	13.58	TAS	a_e
TNS	105.28	PP	18:46:44.714	-1.4	85.0	7.55	TAS	a_e
UBR	104.80	SKSac	18:52:57.442	-0.8	81.1	4.78	TAS	a_e
UBR	104.80	SP	18:55:55.292	0.8	80.0	10.16	TAS	a_e
UBR	104.80	PP	18:46:37.514	-0.6	85.0	7.55	TAS	a_e
WET	102.70	SKSac	18:52:49.142	0.7	81.1	4.78	TAS	m_e
WET	102.70	SP	18:55:30.842	-0.7	80.0	10.16	TAS	a_e
WET	102.70	SS	19:01:09.888	0.8	81.4	13.58	TAS	a_e
WET	102.70	PP	18:46:23.064	-0.4	85.0	7.55	TAS	a_e
WTTA	103.87	PP	18:46:30.565	-0.2	85.0	7.55	TAS	m_e

Event 10115004 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/15	13:37:34.70	6.71	0.28	32.8500	138.5470	263.5	194.6	98	10.0			20	355	82.59	87.65	m i ke	BGR
OrigID 10115010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10115010
Ms	4.9		BGR	10115010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	83.79		P	13:50:02.872	-0.2	42.1		5.00		TAS		22.2	1.27	m_e	mb 5.2
BFO	87.65		P	13:50:21.632		42.1		5.00		TAS		4.1	0.80	m_e	mb 4.8
BRG	83.32		P	13:50:00.423	0.3	42.1		5.00		TAS		17.3	1.22	m_e	mb 5.2
BSEG	82.59		P	13:49:56.606	-0.0	42.1		5.00		TAS		27.8	1.17	m_e	mb 5.4
CLL	83.42		P	13:50:00.745	-0.1	42.1		5.00		TAS		27.6	1.04	m_e	mb 5.4
CLZ	84.13		P	13:50:04.917	-0.1	42.1		5.00		TAS		39.9	1.13	m_e	mb 5.5
FLT1	83.41		P	13:50:00.217	0.2	42.1		5.00		TAS		23.6	0.99	m_e	mb 5.4
GEC2	84.89		P	13:50:08.015		42.1		5.00		TAS		8.1	1.00	m_e	mb 4.9
GOR1	82.89		P	13:49:58.619	-0.1	42.1		5.00		TAS		29.2	1.29	m_e	mb 5.4
GRA1	85.38		P	13:50:11.386		42.1		5.00		TAS		25.3	0.90	m_e	mb 5.4
GRA1	85.38		L	14:10:57.121						T_		476.2	19.20	a_e	Ms 4.9
GTTG	84.52		P	13:50:06.631	0.0	42.1		5.00		TAS		31.4	1.08	m_e	mb 5.5
IBBN	84.83		P	13:50:07.925	0.4	42.1		5.00		TAS		35.7	1.00	m_e	mb 5.5

KAST	85.41	P	13:50:10.803	0.1	42.1	5.00	TAS	20.5	1.20	m_e	mb	5.2
MOX	84.50	P	13:50:06.275	0.6	42.1	5.00	TAS	20.5	1.19	m_e	mb	5.2
MOX	84.50	L	14:10:06.164				T__	528.6	21.10	a_e	Ms	4.9
NEUB	84.03	P	13:50:04.012	0.2	42.1	5.00	TAS	52.2	1.15	m_e	mb	5.7
PLN	84.38	P	13:50:05.839	0.1	42.1	5.00	TAS	6.3	1.16	m_e	mb	4.7
RETH	83.87	P	13:50:03.163	-0.7	42.1	5.00	TAS	17.9	1.12	m_e	mb	5.2
TANN	84.30	P	13:50:05.567	-0.3	42.1	5.00	TAS	12.8	1.16	m_e	mb	5.0
TNS	86.15	P	13:50:14.973	-0.5	42.1	5.00	TAS	28.5	1.50	m_e	mb	5.2
WET	85.04	P	13:50:09.249		42.1	5.00	TAS	5.4	0.90	m_e	mb	4.8

Event 10115006 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/15	16:11:00.39			14.2040	-89.7970				33.0			20		84.10	88.06	m i ke	BGR
	10115012																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10115012
MBB	5.7		BGR	10115012
Ms	5.6		BGR	10115012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	85.19		P	16:23:33.015	-0.1	287.5		4.92		TAS		28.0	0.97	m_e	MBB 6.1
BFO	84.82		P	16:23:30.210		287.5		4.92		TAS		20.2	1.05	m_e	MBB 5.8
BRG	87.53		P	16:23:44.066	0.2	287.5		4.92		TAS		10.8	0.82	m_e	MBB 5.8
BSEG	84.46		P	16:23:29.172	-0.6	287.5		4.92		TAS		48.1	0.88	m_e	MBB 5.9
CLL	86.82		P	16:23:41.491	-0.0	287.5		4.92		TAS		8.9	0.82	m_e	MBB 5.5
CLZ	85.10		P	16:23:32.769	-0.3	287.5		4.92		TAS		32.8	0.80	m_e	MBB 5.8
FLT1	85.46		P	16:23:33.702	-0.3	287.5		4.92		TAS		26.7	0.98	m_e	MBB 5.6
GEC2	88.06		P	16:23:46.734		287.5		4.92		TAS		7.8	0.89	m_e	MBB 6.0
GRA1	86.25		P	16:23:38.549		287.5		4.92		TAS		22.8	0.82	m_e	MBB 5.8
GRA1	86.25		L	16:59:11.829						T__		3147.2	21.80	a_e	Ms 5.7
GTTG	84.94		P	16:23:31.976	-0.2	287.5		4.92		TAS		47.3	0.77	m_e	MBB 5.9
KAST	84.10		P	16:23:27.219	0.1	287.5		4.92		TAS		13.3	1.01	m_e	MBB 5.6
MOX	86.20		P	16:23:37.668	-0.3	287.5		4.92		TAS		14.3	0.93	m_e	MBB 5.5
MOX	86.20		L	17:05:38.396						T__		2347.6	19.60	a_e	Ms 5.6
NEUB	86.13		P	16:23:37.394	0.4	287.5		4.92		TAS		24.1	0.90	m_e	MBB 5.7
PLN	86.58		P	16:23:39.704	0.4	287.5		4.92		TAS		4.9	1.00	m_e	MBB 4.8
RETH	84.25		P	16:23:28.558	0.3	287.5		4.92		TAS		38.7	0.92	m_e	MBB 6.2
STU	85.25		P	16:23:33.557		287.5		4.92		TAS		82.5	0.77	m_e	MBB 6.2
TANN	86.78		P	16:23:40.712	-0.8	287.5		4.92		TAS		11.7	1.04	m_e	MBB 5.2
TNS	84.38		P	16:23:29.056	0.3	287.5		4.92		TAS		32.7	0.78	m_e	MBB 6.0
UBR	86.14		P	16:23:37.835		287.5		4.92		TAS		35.2	0.96	m_e	MBB 5.8
WET	87.45		P	16:23:44.220		287.5		4.92		TAS		26.9	1.44	m_e	MBB 5.6



Event 10115005 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/15	21:31:29.67			27.9680	52.3920				33.0			19		36.26	41.01	m i ke	BGR
OrigID 10115011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10115011
Ms	4.8		BGR	10115011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	39.24		P	21:38:54.063	0.5	109.3		8.42		TAS		80.4	1.34	m_e	mb	5.2
BRG	36.88		P	21:38:34.483	-0.6	109.3		8.42		TAS		44.7	1.36	m_e	mb	5.0
BSEG	40.13		P	21:39:00.732	-0.0	109.3		8.42		TAS		98.3	1.41	m_e	mb	5.2
BUG	41.01		P	21:39:09.396	0.3	109.3		8.42		TAS		139.7	1.34	m_e	mb	5.5
CLL	37.59		P	21:38:40.625	-0.0	109.3		8.42		TAS		84.1	1.46	m_e	mb	5.3
CLZ	39.31		P	21:38:55.127	-0.1	109.3		8.42		TAS		188.8	1.47	m_e	mb	5.5
FLT1	39.00		P	21:38:52.013	0.1	109.3		8.42		TAS		215.8	1.40	m_e	mb	5.6
FUR	37.56		P	21:38:40.503		109.3		8.42		TAS		112.3	1.25	m_e	mb	5.5
GEC2	36.26		P	21:38:29.111		109.3		8.42		TAS		22.1	1.18	m_e	mb	4.9
GOR1	39.21		P	21:38:54.167	0.1	109.3		8.42		TAS		177.3	1.42	m_e	mb	5.5
GRA1	38.07		P	21:38:45.122		109.3		8.42		TAS		135.7	1.44	m_e	mb	5.5
GRA1	38.07		L	22:00:26.659						T__		1263.5	20.40	a_e	Ms	4.7
GTTG	39.45		P	21:38:56.788	0.1	109.3		8.42		TAS		91.9	1.48	m_e	mb	5.2
IBBN	40.99		P	21:39:08.673	-0.2	109.3		8.42		TAS		106.9	1.19	m_e	mb	5.5
KAST	40.25		P	21:39:03.409	-0.3	109.3		8.42		TAS		148.6	1.58	m_e	mb	5.4
MOX	38.16		L	21:58:00.865						T__		1916.3	20.20	a_e	Ms	4.9
RETH	40.21		P	21:39:02.315	-0.5	109.3		8.42		TAS		94.1	1.54	m_e	mb	5.2
RUE	37.63		P	21:38:40.370	-0.1	109.3		8.42		TAS		140.6	1.38	m_e	mb	5.5
TNS	39.94		P	21:39:00.217		109.3		8.42		TAS		69.1	1.29	m_e	mb	5.1
UBR	38.17		P	21:38:45.564		109.3		8.42		TAS		170.8	1.39	m_e	mb	5.6
WET	36.87		P	21:38:34.068		109.3		8.42		TAS		43.6	1.39	m_e	mb	5.0

Event 10116002 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/16	20:02:30.82			35.9400	70.3910				214.3	5.9		20		42.56	46.43	m i ke	BGR
OrigID 10116008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10116008
Ms	4.3		BGR	10116008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	44.54	P	20:10:37.958	-0.7	84.8	8.00	TAS	166.2	2.43	m_e	mb	5.5
BFO	46.43	pP	20:11:37.706		88.9	8.59	TAS				m_e	
BRG	42.56	P	20:10:22.088	-0.7	84.8	8.00	TAS	23.8	0.77	m_e	mb	5.0
BSEG	44.68	P	20:10:38.934	-0.4	84.8	8.00	TAS	42.9	0.82	m_e	mb	5.4
BSEG	44.68	pP	20:11:25.037		88.9	8.59	TAS				m_e	
CLL	43.14	P	20:10:26.109	-0.3	84.8	8.00	TAS	16.6	0.80	m_e	mb	4.8
CLZ	44.75	P	20:10:39.763	0.1	84.8	8.00	TAS	98.2	1.61	m_e	mb	5.5
FLT1	44.19	P	20:10:34.259	-0.3	84.8	8.00	TAS	60.7	0.74	m_e	mb	5.4
FUR	44.50	P	20:10:38.674		84.8	8.00	TAS	20.2	0.75	m_e	mb	5.1
GOR1	44.12	P	20:10:35.031	-0.3	84.8	8.00	TAS	68.6	1.24	m_e	mb	5.2
GRA1	44.38	P	20:10:37.585		84.8	8.00	TAS	17.8	0.84	m_e	mb	4.8
GRA1	44.38	L	20:21:41.065				T__	485.1	21.10	a_e	Ms	4.4
GTTG	45.02	P	20:10:41.546	0.2	84.8	8.00	TAS	47.2	0.87	m_e	mb	5.4
GTTG	45.02	pP	20:11:26.220		88.9	8.59	TAS				m_e	
IBBN	46.32	P	20:10:51.619	0.2	84.8	8.00	TAS	40.4	0.81	m_e	mb	5.5
IBBN	46.32	pP	20:11:38.162		88.9	8.59	TAS				m_e	
KAST	46.02	P	20:10:49.925	0.3	84.8	8.00	TAS	6.3	0.82	m_e	mb	4.7
MOX	44.05	P	20:10:33.969	0.7	84.8	8.00	TAS	15.6	0.87	m_e	mb	4.8
MOX	44.05	L	20:20:57.625				T__	306.3	21.40	a_e	Ms	4.2
NEUB	43.92	P	20:10:33.253	-0.1	84.8	8.00	TAS	28.2	0.81	m_e	mb	5.0
PLN	43.72	P	20:10:31.873	0.1	84.8	8.00	TAS	3.2	0.61	m_e	mb	4.2
RUE	42.63	P	20:10:22.017	0.1	84.8	8.00	TAS	86.0	1.28	m_e	mb	5.3
STU	45.80	P	20:10:48.375		84.8	8.00	TAS	52.0	0.89	m_e	mb	5.6
TANN	43.53	P	20:10:29.987	0.9	84.8	8.00	TAS	125.1	2.27	m_e	mb	5.2
TNS	46.10	P	20:10:50.011	-0.4	84.8	8.00	TAS	12.8	0.96	m_e	mb	4.9
UBR	45.34	P	20:10:44.009		84.8	8.00	TAS	26.7	0.72	m_e	mb	5.3

Event 10117002 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/17	08:32:05.46			54.9420	161.6380				33.0			22		68.82	74.85	m i ke	BGR
OrigID 10117008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10117008
Ms	4.6		BGR	10117008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	70.48		P	08:43:15.444	-0.5	17.3		5.96		TAS		102.1	1.71	m_e	mb	5.7
BFO	74.55		P	08:43:39.007		17.3		5.96		TAS		11.0	0.74	m_e	mb	5.0
BRG	71.04		P	08:43:18.390	-0.1	17.3		5.96		TAS		226.9	2.54	m_e	mb	5.8
BSEG	68.82		P	08:43:05.355	-0.1	17.3		5.96		TAS		21.5	0.92	m_e	mb	5.4
CLL	70.82		P	08:43:16.808	0.1	17.3		5.96		TAS		31.4	0.92	m_e	mb	5.4
CLZ	70.81		P	08:43:17.685	0.2	17.3		5.96		TAS		39.3	1.02	m_e	mb	5.5
FLT1	70.19		P	08:43:13.061	0.1	17.3		5.96		TAS		21.4	1.00	m_e	mb	5.2
GEC2	73.01		P	08:43:30.344		17.3		5.96		TAS		15.3	0.73	m_e	mb	5.2

GOR1	69.54	P	08:43:09.658	0.1	17.3	5.96	TAS	171.9	1.66	m_e	mb	5.9
GRA1	72.71	P	08:43:29.195	-0.5	17.3	5.96	TAS	424.3	2.01	m_e	mb	6.2
GRA1	72.71	L	09:18:45.892				T__	344.8	21.70	a_e	Ms	4.6
GTTG	71.17	P	08:43:19.412	-0.3	17.3	5.96	TAS	18.2	0.86	m_e	mb	5.2
IBBN	70.82	P	08:43:17.233	0.5	17.3	5.96	TAS	29.4	0.79	m_e	mb	5.5
KAST	71.77	P	08:43:23.034	-0.0	17.3	5.96	TAS	17.3	0.91	m_e	mb	5.2
MOX	71.72	P	08:43:22.769	0.7	17.3	5.96	TAS	21.0	0.74	m_e	mb	5.4
MOX	71.72	L	09:19:11.841				T__	411.4	20.00	a_e	Ms	4.7
NEUB	71.17	P	08:43:19.067	0.1	17.3	5.96	TAS	33.1	0.74	m_e	mb	5.5
PLN	71.77	P	08:43:22.902	0.4	17.3	5.96	TAS	5.8	0.79	m_e	mb	4.8
RUE	69.56	P	08:43:09.633	0.2	17.3	5.96	TAS	42.8	0.75	m_e	mb	5.7
STU	73.97	P	08:43:35.765		17.3	5.96	TAS	28.0	0.68	m_e	mb	5.4
TANN	71.78	P	08:43:23.106	0.0	17.3	5.96	TAS	92.8	1.85	m_e	mb	5.6
TNS	72.71	P	08:43:28.351	-0.3	17.3	5.96	TAS	17.9	0.79	m_e	mb	5.3
UBR	74.85	P	08:43:41.463		17.3	5.96	TAS	23.9	0.91	m_e	mb	5.2
WET	72.90	P	08:43:30.052	0.1	17.3	5.96	TAS	179.0	1.99	m_e	mb	5.8

Event 10118002 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/18	01:17:29.16			50.1670	153.3840				160.0			24		71.61	77.84	m i ke	BGR
10118008																	

Magnitude Err Nsta Author OrigID  
 mb 4.9 BGR 10118008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.26		P	01:29:04.096	-0.2	24.0		5.73		TAS		17.8	1.67	m_e	mb	4.9
BRG	73.45		P	01:28:41.925	-0.1	24.0		5.73		TAS		13.4	1.45	m_e	mb	4.8
BSEG	71.61		P	01:28:31.380	-0.5	24.0		5.73		TAS		4.9	0.85	m_e	mb	4.7
CLL	73.31		P	01:28:40.886	-0.7	24.0		5.73		TAS		12.0	0.78	m_e	mb	5.1
CLZ	73.51		P	01:28:42.954	-0.3	24.0		5.73		TAS		10.6	0.99	m_e	mb	4.8
DAVA	77.82		P	01:29:07.027		24.0		5.73		TAS		8.5	0.84	m_e	mb	4.9
FETA	77.84		P	01:29:06.434		24.0		5.73		TAS		8.7	1.01	m_e	mb	4.8
FLT1	72.84		P	01:28:37.895	-0.2	24.0		5.73		TAS		7.2	1.03	m_e	mb	4.8
FUR	76.64		P	01:29:00.122	0.6	24.0		5.73		TAS		27.0	1.01	m_e	mb	5.3
GEC2	75.35		P	01:28:52.742	-0.1	24.0		5.73		TAS		4.3	0.75	m_e	mb	4.6
GRA1	75.26		P	01:28:53.088	0.3	24.0		5.73		TAS		15.3	0.71	m_e	mb	5.1
KBA	77.05		P	01:29:03.160		24.0		5.73		TAS		18.8	0.69	m_e	mb	5.3
LESA	76.93		P	01:29:02.472		24.0		5.73		TAS		8.7	0.68	m_e	mb	5.0
MOA	76.09		P	01:28:57.408		24.0		5.73		TAS		4.0	0.83	m_e	mb	4.6
MOTA	77.44		P	01:29:04.810		24.0		5.73		TAS		16.6	0.93	m_e	mb	5.2
MOX	74.28		P	01:28:46.855	-0.8	24.0		5.73		TAS		15.9	1.24	m_e	mb	4.9
PLN	74.29		P	01:28:47.070	0.2	24.0		5.73		TAS		2.2	1.05	m_e	mb	4.1
RETA	77.40		P	01:29:04.437		24.0		5.73		TAS		8.9	1.06	m_e	mb	4.8
RETH	72.93		P	01:28:39.401	0.4	24.0		5.73		TAS		7.8	1.00	m_e	mb	4.8

SQTA	77.52	P	01:29:05.395	24.0	5.73	TAS	12.9	0.96	m_e mb	5.0
STU	76.63	P	01:29:00.414	-0.1	24.0	TAS	21.2	0.99	m_e mb	5.2
TNS	75.47	P	01:28:53.956	24.0	5.73	TAS	7.9	0.81	m_e mb	4.9
WET	75.31	P	01:28:53.025	24.0	5.73	TAS	8.0	0.83	m_e mb	4.8
WTTA	77.36	P	01:29:04.819	24.0	5.73	TAS	18.5	0.71	m_e mb	5.3

Event 10118003 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/18	02:05:59.88			46.0790	148.5650				100.0			21		75.25	80.10	m i ke	BGR
OrigID 10118009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10118009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.65	P		02:17:54.331	-0.1	28.8		5.58		TAS		6.2	1.13	m_e mb	4.4
BIOA	78.52	P		02:17:48.241		28.8		5.58		TAS		9.6	1.19	m_e mb	4.7
BRG	75.67	P		02:17:32.171	-0.6	28.8		5.58		TAS		2.3	0.90	m_e mb	4.3
CLL	75.59	P		02:17:31.285	0.7	28.8		5.58		TAS		6.9	0.61	m_e mb	5.0
DAVA	80.10	P		02:17:56.659		28.8		5.58		TAS		12.5	1.12	m_e mb	4.8
FETA	80.06	P		02:17:56.835		28.8		5.58		TAS		5.7	0.92	m_e mb	4.5
FLT1	75.25	P		02:17:29.698	0.0	28.8		5.58		TAS		5.9	0.82	m_e mb	4.7
GEC2	77.50	P		02:17:42.238	0.3	28.8		5.58		TAS		3.0	0.55	m_e mb	4.6
GRA1	77.56	P		02:17:43.576	-0.4	28.8		5.58		TAS		10.0	0.85	m_e mb	5.0
KBA	79.15	P		02:17:52.091		28.8		5.58		TAS		8.5	0.60	m_e mb	5.0
LESA	79.07	P		02:17:51.118		28.8		5.58		TAS		7.2	0.68	m_e mb	4.8
MOA	78.17	P		02:17:46.255		28.8		5.58		TAS		6.6	0.94	m_e mb	4.7
MOTA	79.66	P		02:17:54.329		28.8		5.58		TAS		14.1	0.91	m_e mb	4.9
MOX	76.60	P		02:17:37.434	-0.2	28.8		5.58		TAS		6.8	1.21	m_e mb	4.7
OBKA	79.22	P		02:17:52.090		28.8		5.58		TAS		5.4	0.70	m_e mb	4.7
RETA	79.64	P		02:17:54.115		28.8		5.58		TAS		9.3	1.10	m_e mb	4.6
SQTA	79.73	P		02:17:54.814		28.8		5.58		TAS		8.6	0.67	m_e mb	4.8
STU	79.00	P		02:17:50.896		28.8		5.58		TAS		19.3	0.91	m_e mb	5.1
TNS	77.93	P		02:17:45.543		28.8		5.58		TAS		4.1	0.73	m_e mb	4.7
WET	77.51	P		02:17:42.866		28.8		5.58		TAS		8.3	0.87	m_e mb	4.9
WTTA	79.56	P		02:17:53.957		28.8		5.58		TAS		14.9	0.62	m_e mb	5.1

Event 10119003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/19	11:56:32.11			-22.7810	-177.3650				33.0			11		149.57	154.36	m i ke	BGR
OrigID 10119009																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	154.02		PKPbc	12:16:28.806		17.2		2.35		TAS					m_e	
BRG	150.53		PKPbc	12:16:20.716		17.2		2.35		TAS					m_e	
CLZ	150.29		PKPbc	12:16:20.371	-0.1	17.2		2.35		TAS					m_e	
FLT1	149.69		PKPbc	12:16:18.167	0.2	17.2		2.35		TAS					m_e	
FUR	153.67		PKPbc	12:16:28.284		17.2		2.35		TAS					m_e	
GEC2	152.47		PKPbc	12:16:25.123		17.2		2.35		TAS					m_e	
GTTG	150.65		PKPbc	12:16:21.154	0.2	17.2		2.35		TAS					m_e	
MOX	151.23		PKPbc	12:16:22.398		17.2		2.35		TAS					m_e	
RETH	149.57		PKPbc	12:16:18.544	0.2	17.2		2.35		TAS					m_e	
TANN	151.29		PKPbc	12:16:22.659		17.2		2.35		TAS					m_e	
UBR	154.36		PKPbc	12:16:29.557		17.2		2.35		TAS					m_e	

Event 10120003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2021/01/20	01:38:44.76			-22.4900	170.7000				41.7	1.3		16		146.23	150.40	m i ke	BGR
10120009																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	146.60		PKPbc	01:58:20.955	-0.0	37.0		2.73		TAS					m_e	
BRG	146.34		PKPbc	01:58:20.470		37.0		2.73		TAS					m_e	
BUG	148.31		pPKPbc	01:58:39.163		38.5		2.78		TAS					m_e	
CLL	146.38		PKPbc	01:58:20.380	0.2	37.0		2.73		TAS					m_e	
CLZ	146.94		PKPbc	01:58:22.480	0.1	37.0		2.73		TAS					m_e	
FLT1	146.23		PKPbc	01:58:19.698	-0.1	37.0		2.73		TAS					m_e	
GEC2	147.96		PKPbc	01:58:25.056		37.0		2.73		TAS					m_e	
GTTG	147.32		PKPbc	01:58:23.661	0.3	37.0		2.73		TAS					m_e	
IBBN	147.41		PKPbc	01:58:23.556	0.3	37.0		2.73		TAS					m_e	
MOX	147.45		PKPbc	01:58:23.488		37.0		2.73		TAS					m_e	
MOX	147.45		pPKPbc	01:58:35.638		38.5		2.78		TAS					m_e	
NEUB	146.95		PKPbc	01:58:22.427	-0.4	37.0		2.73		TAS					m_e	
PLN	147.36		PKPbc	01:58:23.436		37.0		2.73		TAS					m_e	
TANN	147.29		PKPbc	01:58:23.400		37.0		2.73		TAS					m_e	
TANN	147.29		pPKPbc	01:58:36.238		38.5		2.78		TAS					m_e	
TNS	148.96		PKPbc	01:58:27.923		37.0		2.73		TAS					m_e	
TNS	148.96		pPKPbc	01:58:40.551		38.5		2.78		TAS					m_e	
UBR	150.40		PKPbc	01:58:31.218		37.0		2.73		TAS					m_e	
WET	148.09		PKPbc	01:58:25.614		37.0		2.73		TAS					m_e	

Event 10120004 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/20	02:39:24.35	6.96	0.73	41.5380	19.3620	110.1	23.3	142	10.0			24	333	6.06	10.35	m i ke	BGR

OrigID  
10120010

Magnitude	Err	Nsta	Author	OrigID
ML	4.0		BGR	10120010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	6.33		Pn	02:40:54.414	-1.3					T__				m_e	ML 3.6
BALST	10.15		Pn	02:41:48.280	1.2					T__				m_e	
BERGE	10.16		Pn	02:41:46.509	-0.7					T__				m_e	
BFO	10.35		Pn	02:41:48.042	-1.6					T__				m_e	
BIOA	7.38		Pn	02:41:09.627	-0.1					T__				m_e	ML 3.9
DAVA	8.88		Pn	02:41:30.983	0.9					T__				m_e	ML 4.3
EMING	9.81		Pn	02:41:41.546	-0.9					T__				m_e	
FETA	8.26		Pn	02:41:21.355	-0.3					T__				m_e	ML 4.0
GEC2	8.32		Pn	02:41:23.674	1.2					T__				m_e	ML 3.8
KBA	7.02		Pn	02:41:04.661	-0.2					T__				m_e	ML 3.8
LESA	7.58		Pn	02:41:12.471	0.1					T__				m_e	ML 4.0
MOA	7.28		Pn	02:41:08.760	0.4					T__				m_e	ML 4.0
MOTA	8.28		Pn	02:41:21.868	0.0					T__				m_e	ML 4.3
OBER	8.74		Pn	02:41:27.917	-0.1					T__				m_e	
OBKA	6.06		Pn	02:40:51.596	-0.4					T__				m_e	
PART	8.37		Pn	02:41:23.599	0.5					T__				m_e	ML 4.1
PLONS	9.02		Pn	02:41:32.666	0.7					T__				m_e	ML 4.0
RETA	8.54		Pn	02:41:25.514	0.1					T__				m_e	ML 4.2
RJOB	7.76		Pn	02:41:15.432	0.5					T__				m_e	ML 3.8
SLE	9.93		Pn	02:41:43.245	-0.8					T__				m_e	
SQTA	8.14		Pn	02:41:20.415	0.4					T__				m_e	ML 4.2
WALHA	9.57		Pn	02:41:38.746	-0.6					T__				m_e	
WTTA	7.95		Pn	02:41:18.078	0.6					T__				m_e	ML 4.3
ZUGS	8.39		Pn	02:41:23.840	0.5					T__				m_e	ML 4.4

Event 10120013 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/20	16:00:49.38			50.4510	147.1260				598.7	8.7		23		69.73	75.36	m i ke	BGR

OrigID  
10120019

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10120019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	71.24		P	16:11:07.677	-0.3	27.6		5.70		TAS				m_e	
ASSE	71.24		pP	16:13:10.579	0.6	28.9		6.17		TAS		154.9	1.66	m_e mb	5.9
BFO	75.31		P	16:11:30.455		27.6		5.70		TAS				m_e	
BFO	75.31		pP	16:13:35.437		28.9		6.17		TAS		99.3	1.43	m_e mb	5.6
BRG	71.37		P	16:11:08.046	0.1	27.6		5.70		TAS				m_e	
BRG	71.37		pP	16:13:11.358	-0.3	28.9		6.17		TAS		159.9	1.95	m_e mb	5.8
BSEG	69.73		P	16:10:58.904	-0.1	27.6		5.70		TAS				m_e	
BUG	72.80		pP	16:13:21.138	0.1	28.9		6.17		TAS		89.6	1.30	m_e mb	5.7
CLL	71.27		P	16:11:07.500	0.3	27.6		5.70		TAS				m_e	
CLL	71.27		pP	16:13:10.579	-0.3	28.9		6.17		TAS		99.4	1.30	m_e mb	5.8
CLZ	71.58		P	16:11:09.845	0.1	27.6		5.70		TAS				m_e	
CLZ	71.58		pP	16:13:13.322	0.1	28.9		6.17		TAS		83.5	1.28	m_e mb	5.7
FLT1	70.90		P	16:11:05.036	0.1	27.6		5.70		TAS				m_e	
FLT1	70.90		pP	16:13:08.054	0.1	28.9		6.17		TAS		115.5	1.69	m_e mb	5.7
FUR	74.57		P	16:11:26.724		27.6		5.70		TAS				m_e	
FUR	74.57		pP	16:13:31.248		28.9		6.17		TAS		135.8	1.24	m_e mb	5.8
GEC2	73.21		P	16:11:18.911	0.1	27.6		5.70		TAS				m_e	
GEC2	73.21		pP	16:13:22.672	0.1	28.9		6.17		TAS		74.2	1.55	m_e mb	5.6
GRA1	73.24		P	16:11:19.490	-0.4	27.6		5.70		TAS				m_e	
GRA1	73.24		pP	16:13:23.451	-0.4	28.9		6.17		TAS		141.5	1.32	m_e mb	5.9
GTTG	71.96		P	16:11:11.805	0.2	27.6		5.70		TAS				m_e	
GTTG	71.96		pP	16:13:14.905	-0.4	28.9		6.17		TAS		67.5	1.32	m_e mb	5.6
IBBN	71.88		P	16:11:11.279	0.3	27.6		5.70		TAS				m_e	
IBBN	71.88		pP	16:13:15.469	0.1	28.9		6.17		TAS		103.2	1.40	m_e mb	5.8
KAST	72.70		P	16:11:16.054	0.5	27.6		5.70		TAS				m_e	
KAST	72.70		pP	16:13:19.472	0.5	28.9		6.17		TAS		73.7	1.40	m_e mb	5.6
MANZ	72.71		pP	16:13:20.003		28.9		6.17		TAS		13.9	1.53	m_e mb	4.9
MOX	72.27		P	16:11:13.771	0.5	27.6		5.70		TAS				m_e	
MOX	72.27		pP	16:13:17.135	0.4	28.9		6.17		TAS		84.6	1.48	m_e mb	5.7
NEUB	71.74		P	16:11:10.175	0.2	27.6		5.70		TAS				m_e	
NEUB	71.74		pP	16:13:13.508	0.2	28.9		6.17		TAS		49.9	1.14	m_e mb	5.5
PLN	72.25		P	16:11:13.763	0.1	27.6		5.70		TAS				m_e	
PLN	72.25		pP	16:13:17.081	0.2	28.9		6.17		TAS		40.0	1.52	m_e mb	5.3
RETH	71.06		P	16:11:06.568	-0.3	27.6		5.70		TAS				m_e	
RETH	71.06		pP	16:13:09.771	0.4	28.9		6.17		TAS		130.9	1.55	m_e mb	5.8
RUE	70.02		P	16:11:00.552	-0.6	27.6		5.70		TAS				m_e	
RUE	70.02		pP	16:13:03.027	-0.0	28.9		6.17		TAS		223.8	1.64	m_e mb	6.1
STU	74.66		P	16:11:26.901		27.6		5.70		TAS				m_e	
STU	74.66		pP	16:13:31.519		28.9		6.17		TAS		256.6	1.63	m_e mb	6.0
TANN	72.22		P	16:11:13.459	0.2	27.6		5.70		TAS				m_e	
TANN	72.22		pP	16:13:16.732	0.6	28.9		6.17		TAS		76.6	1.55	m_e mb	5.6
TNS	73.57		P	16:11:21.113	-0.4	27.6		5.70		TAS				m_e	
TNS	73.57		pP	16:13:25.332	-0.2	28.9		6.17		TAS		74.0	1.40	m_e mb	5.6
UBR	75.36		P	16:11:30.758		27.6		5.70		TAS				m_e	
UBR	75.36		pP	16:13:35.837		28.9		6.17		TAS		74.5	1.31	m_e mb	5.6
WET	73.21		P	16:11:19.333	-0.2	27.6		5.70		TAS				m_e	
WET	73.21		pP	16:13:22.995	-0.3	28.9		6.17		TAS		95.0	1.27	m_e mb	5.8

Event 10120011 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/20	23:37:52.88			36.7480	27.8380				33.0				19	15.89	21.03	m i ke	BGR
OrigID 10120017																	

Magnitude	Err	Nsta	Author	OrigID
Ms	3.7		BGR	10120017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	19.58		P	23:42:15.542		130.9		11.03		TAS				m_e	
BFO	18.39		P	23:42:01.330	2.0	130.9		11.03		TAS				m_e	
BRG	17.27		P	23:41:48.863	0.2	130.9		11.03		TAS				m_e	
BSEG	21.03		P	23:42:27.993		130.9		11.03		TAS				m_e	
CLL	17.98		P	23:41:56.344	0.0	130.9		11.03		TAS				m_e	
CLZ	19.51		P	23:42:14.195	0.0	130.9		11.03		TAS				m_e	
FUR	16.67		P	23:41:42.478	-0.5	130.9		11.03		TAS				m_e	
GEC2	15.89		P	23:41:34.462	-0.3	130.9		11.03		TAS				m_e	
GRA1	17.66		P	23:41:57.378	3.1	130.9		11.03		TAS				m_e	
GRA1	17.66		L	23:48:41.031						T__		425.3	21.20	a_e Ms	3.7
GTTG	19.49		P	23:42:14.276	0.8	130.9		11.03		TAS				m_e	
MANZ	17.43		P	23:41:51.389	-0.3	130.9		11.03		TAS				m_e	
MOX	18.12		P	23:41:59.107	0.5	130.9		11.03		TAS				m_e	
MOX	18.12		L	23:55:13.139						T__		439.3	21.60	a_e Ms	3.7
PLN	17.76		P	23:41:54.211	-0.9	130.9		11.03		TAS				m_e	
RETH	20.58		P	23:42:25.870		130.9		11.03		TAS				m_e	
RUE	18.58		P	23:42:03.603	-0.0	130.9		11.03		TAS				m_e	
TANN	17.57		P	23:41:52.112	-0.9	130.9		11.03		TAS				m_e	
TNS	19.39		P	23:42:12.864	-0.1	130.9		11.03		TAS				m_e	
UBR	17.03		P	23:41:46.043	-0.0	130.9		11.03		TAS				m_e	
WET	16.49		P	23:41:40.031	-1.3	130.9		11.03		TAS				m_e	

Event 10121004 Cyprus region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/21	14:26:51.73			34.2980	34.6670				33.0				20	21.28	25.86	m i ke	BGR
OrigID 10121010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10121010
Ms	4.5		BGR	10121010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	24.77	P	14:32:11.585	-0.8	123.0	10.07	TAS	76.5	0.95	m_e	mb	5.4
BFO	24.09	P	14:32:05.784	-0.1	123.0	10.07	TAS	277.9	0.91	m_e	mb	5.8
BRG	22.39	P	14:31:48.178	0.5	123.0	10.07	TAS	26.1	0.87	m_e	mb	4.7
CLL	23.12	P	14:31:55.431	0.3	123.0	10.07	TAS	69.3	1.18	m_e	mb	5.1
CLZ	24.75	P	14:32:11.698	-0.5	123.0	10.07	TAS	59.5	0.74	m_e	mb	5.4
FLT1	24.62	P	14:32:09.592	0.9	123.0	10.07	TAS	68.2	0.96	m_e	mb	5.3
FUR	22.27	P	14:31:46.409	-0.4	123.0	10.07	TAS	91.5	0.68	m_e	mb	5.3
GEC2	21.28	P	14:31:36.589	-0.6	123.0	10.07	TAS	165.5	0.97	m_e	mb	5.3
GOR1	24.99	P	14:32:14.122		123.0	10.07	TAS	163.7	1.26	m_e	mb	5.6
GRA1	23.10	L	14:39:40.856				T__	1757.9	21.20	a_e	Ms	4.5
GTTG	24.79	P	14:32:12.302		123.0	10.07	TAS	67.5	0.90	m_e	mb	5.4
KAST	25.42	P	14:32:18.410		123.0	10.07	TAS	46.6	0.90	m_e	mb	5.2
LUEB	25.86	P	14:32:22.348		123.0	10.07	TAS	93.5	1.13	m_e	mb	5.3
MANZ	22.78	P	14:31:51.887	-0.5	123.0	10.07	TAS	15.1	0.92	m_e	mb	4.5
MOX	23.42	P	14:31:58.997	0.5	123.0	10.07	TAS	59.8	0.93	m_e	mb	5.1
MOX	23.42	L	14:37:54.618				T__	1630.9	20.70	a_e	Ms	4.5
NEUB	23.67	P	14:32:01.347	-0.4	123.0	10.07	TAS	1760.9	2.87	m_e	mb	6.1
PLN	23.05	P	14:31:55.852	1.0	123.0	10.07	TAS	15.6	0.69	m_e	mb	4.7
TANN	22.85	P	14:31:52.820	-0.1	123.0	10.07	TAS	51.7	1.23	m_e	mb	4.9
TNS	24.90	P	14:32:13.439		123.0	10.07	TAS	100.1	0.98	m_e	mb	5.5
UBR	22.73	P	14:31:51.163	0.3	123.0	10.07	TAS	119.8	0.68	m_e	mb	5.5
WET	21.89	P	14:31:42.492	-0.9	123.0	10.07	TAS	123.0	0.82	m_e	mb	5.4

Event 10123002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/23	11:46:45.12			-24.3570	-177.8940				33.0			15		149.74	153.63	m i ke	BGR
10123008																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.43		PKPbc	12:06:36.058	-0.0	19.0		2.22		TAS				m_e	
BRG	151.92		PKPbc	12:06:37.202	-0.0	19.0		2.22		TAS				m_e	
BSEG	149.74		PKPbc	12:06:32.381	-0.1	19.0		2.22		TAS				m_e	
CLL	151.74		PKPbc	12:06:36.794	-0.2	19.0		2.22		TAS				m_e	
CLZ	151.75		PKPbc	12:06:37.202	0.4	19.0		2.22		TAS				m_e	
FLT1	151.13		PKPbc	12:06:35.241	-0.2	19.0		2.22		TAS				m_e	
GOR1	150.49		PKPbc	12:06:34.179	0.2	19.0		2.22		TAS				m_e	
IBBN	151.68		PKPbc	12:06:36.875	-0.0	19.0		2.22		TAS				m_e	
MOX	152.66		PKPbc	12:06:38.592	0.1	19.0		2.22		TAS				m_e	
NEUB	152.11		PKPbc	12:06:37.366	-0.2	19.0		2.22		TAS				m_e	
PLN	152.70		PKPbc	12:06:38.837	0.1	19.0		2.22		TAS				m_e	
RETH	151.05		PKPbc	12:06:35.212	-0.1	19.0		2.22		TAS				m_e	
RUE	150.48		PKPbc	12:06:33.933	0.0	19.0		2.22		TAS				m_e	
TANN	152.70		PKPbc	12:06:38.918		19.0		2.22		TAS				m_e	

TNS 153.63 PKPbc 12:06:41.125 19.0 2.22 TAS m\_e

Event 10124001 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/01/24 01:00:09.20 -17.3780 -177.4540 33.0 19 142.93 148.68 m i ke BGR
10124007

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 10124001.

Event 10124002 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/01/24 06:35:48.98 -17.1580 -176.9140 33.0 10 144.23 148.52 m i ke BGR
10124008

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 10124002.

./bul2101.txt

Wed Oct 05 11:00:17 2022

51

FLT1	144.23	PKPbc	06:55:19.345	0.6	14.3	2.94	TAS	m_e
GEC2	147.15	PKPbc	06:55:28.454		14.3	2.94	TAS	m_e
IBBN	144.64	PKPbc	06:55:21.188	0.1	14.3	2.94	TAS	m_e
NEUB	145.25	PKPbc	06:55:22.951		14.3	2.94	TAS	m_e
TANN	145.89	PKPbc	06:55:25.369		14.3	2.94	TAS	m_e
TNS	146.64	PKPbc	06:55:27.427		14.3	2.94	TAS	m_e
WLF	147.38	PKPbc	06:55:29.843		14.3	2.94	TAS	m_e

Event 10124005 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/24	19:01:13.50			36.1950	71.2660				33.0			21		42.96	48.05	m i ke	BGR
OrigID 10124011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10124011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	46.86		P	19:09:38.580		83.9		7.97		TAS		16.5	1.02	m_e mb	5.1
BRG	42.96		P	19:09:07.835	-0.1	83.9		7.97		TAS		34.9	1.01	m_e mb	5.0
BSEG	45.03		P	19:09:23.781	-0.1	83.9		7.97		TAS		39.5	0.92	m_e mb	5.3
CLL	43.52		P	19:09:11.908	-0.1	83.9		7.97		TAS		17.8	0.85	m_e mb	4.8
CLZ	45.12		P	19:09:24.892	-0.5	83.9		7.97		TAS		18.6	0.90	m_e mb	5.0
FLT1	44.56		P	19:09:19.981	-0.1	83.9		7.97		TAS		56.6	0.92	m_e mb	5.5
FUR	44.94		P	19:09:24.424		83.9		7.97		TAS		35.5	0.98	m_e mb	5.3
GEC2	43.26		P	19:09:10.302		83.9		7.97		TAS		9.0	0.97	m_e mb	4.5
GOR1	44.48		P	19:09:19.330	-0.1	83.9		7.97		TAS		54.0	1.11	m_e mb	5.4
GRA1	44.79		P	19:09:23.531		83.9		7.97		TAS		62.7	1.27	m_e mb	5.4
GTTG	45.40		P	19:09:27.054	-0.3	83.9		7.97		TAS		69.2	1.07	m_e mb	5.5
IBBN	46.69		P	19:09:37.213	-0.3	83.9		7.97		TAS		67.2	1.19	m_e mb	5.7
MOX	44.45		P	19:09:19.673	0.9	83.9		7.97		TAS		16.8	0.87	m_e mb	4.8
NEUB	44.30		P	19:09:18.290	-0.3	83.9		7.97		TAS		33.6	0.88	m_e mb	5.1
PLN	44.11		P	19:09:16.914	0.0	83.9		7.97		TAS		3.8	0.86	m_e mb	4.1
RETH	45.67		P	19:09:28.920	-0.6	83.9		7.97		TAS		17.7	1.05	m_e mb	5.0
RGN	43.25		P	19:09:09.597	0.8	83.9		7.97		TAS		186.7	1.04	m_e mb	5.8
RUE	43.00		P	19:09:07.195	0.0	83.9		7.97		TAS		35.3	0.96	m_e mb	5.1
TANN	43.93		P	19:09:15.414	-0.4	83.9		7.97		TAS		12.9	1.03	m_e mb	4.6
UBR	45.78		P	19:09:30.451		83.9		7.97		TAS		26.9	0.82	m_e mb	5.3
WLF	48.05		P	19:09:48.488	0.2	83.9		7.97		TAS		38.7	0.99	m_e mb	5.5

Event 10124006 Unimak Island, Alaska, United States, region

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

2021/01/24 21:16:28.71  
10124012

55.6080 -163.3110

33.0

24

70.04 76.80 m i ke BGR

Magnitude Err Nsta Author OrigID  
mb 5.6 BGR 10124012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	76.06		P	21:28:11.337		356.8		5.80		TAS		29.7	0.82	a_e mb	5.5
BRG	73.73		P	21:27:58.137	0.1	356.8		5.80		TAS		33.8	1.00	a_e mb	5.3
BSEG	70.57		P	21:27:39.687	0.2	356.8		5.80		TAS		69.4	1.05	a_e mb	5.7
BUG	72.90		P	21:27:53.037	-0.1	356.8		5.80		TAS		93.0	0.95	a_e mb	5.9
CLL	73.28		P	21:27:55.187	0.0	356.8		5.80		TAS		46.8	1.08	a_e mb	5.5
CLZ	72.66		P	21:27:52.337	-0.3	356.8		5.80		TAS		50.2	0.87	a_e mb	5.7
FLT1	72.20		P	21:27:48.687	0.3	356.8		5.80		TAS		33.9	0.91	a_e mb	5.5
FUR	76.37		P	21:28:13.437		356.8		5.80		TAS		43.5	0.90	a_e mb	5.6
GEC2	75.76		P	21:28:09.937	-0.2	356.8		5.80		TAS		27.0	0.76	m_e mb	5.5
GOR1	71.55		P	21:27:45.737	0.0	356.8		5.80		TAS		41.9	1.07	a_e mb	5.5
GRA1	74.84		P	21:28:04.937	-0.3	356.8		5.80		TAS		39.7	0.69	a_e mb	5.6
GTTG	72.94		P	21:27:53.837	0.0	356.8		5.80		TAS		78.0	0.80	a_e mb	5.9
KAST	73.21		P	21:27:55.087	0.1	356.8		5.80		TAS		30.6	0.92	a_e mb	5.4
MOX	73.90		P	21:27:59.237	-0.0	356.8		5.80		TAS		77.5	1.16	a_e mb	5.6
NEUB	73.36		P	21:27:55.937	0.0	356.8		5.80		TAS		68.3	0.79	a_e mb	5.8
PLN	74.08		P	21:28:00.187	0.3	356.8		5.80		TAS		7.2	0.75	a_e mb	4.8
RETH	71.72		P	21:27:46.487	0.0	356.8		5.80		TAS		55.5	1.24	a_e mb	5.5
RGN	70.04		P	21:27:36.737	0.0	356.8		5.80		TAS		88.1	0.82	a_e mb	5.9
RUE	72.13		P	21:27:48.837	-0.6	356.8		5.80		TAS		92.6	1.15	a_e mb	5.8
TANN	74.16		P	21:28:00.687	0.3	356.8		5.80		TAS		13.6	0.79	a_e mb	5.0
TNS	74.18		P	21:28:00.737	0.2	356.8		5.80		TAS		70.0	1.13	a_e mb	5.6
UBR	76.80		P	21:28:15.837		356.8		5.80		TAS		41.6	0.98	a_e mb	5.5
WET	75.44		P	21:28:08.287	-0.1	356.8		5.80		TAS		56.4	1.37	a_e mb	5.5
WLF	74.60		P	21:28:03.387	0.0	356.8		5.80		TAS		98.1	1.11	a_e mb	5.8

Event 10125002 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/25	02:55:39.09	0.72	1.83	45.9640	16.1710	23.3	17.8	30	10.0			11	307	1.25	5.85	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	1.36		Pn	02:56:03.891	0.5					T__				m_e ML	2.2
BFO	5.85		Pn	02:57:01.690	-2.1					T__				m_e	
CLL	5.74		Pn	02:57:03.802	1.4					T__				m_e	
FETA	3.90		Pn	02:56:37.180	-0.5					T__				m_e ML	3.1
GEC2	3.33		Pn	02:56:30.960	1.0					T__				m_e ML	2.9

MOA	2.29	Sg	02:56:48.535	-3.4	T__	m_e	ML	2.5
MOA	2.29	Pn	02:56:17.011	1.1	T__	m_e		
OBKA	1.25	Sg	02:56:22.461	3.6	T__	m_e		
OBKA	1.25	Pn	02:55:59.678	-2.2	T__	m_e		
RETA	4.02	Pn	02:56:38.019	-1.2	T__	m_e	ML	3.0
TANN	5.09	Pn	02:56:55.419	1.7	T__	m_e		
WET	3.88	Pn	02:56:38.142	0.8	T__	m_e	ML	3.1
WTTA	3.38	Pn	02:56:29.931	-0.7	T__	m_e	ML	3.0

Event 10125003 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/25	07:25:43.63			24.0340	123.4030				33.0				17	83.04	86.35	m i k e	BGR
OrigID																	
10125009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10125009
Ms	4.9		BGR	10125009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	83.04		P	07:38:04.897	0.0	58.1		5.01		TAS		12.5	0.97	m_e	mb	5.1
BSEG	83.36		P	07:38:06.752	0.0	58.1		5.01		TAS		20.3	1.07	m_e	mb	5.3
BUG	86.28		P	07:38:20.873	0.0	58.1		5.01		TAS		35.0	1.14	a_e	mb	5.4
CLL	83.33		P	07:38:06.118	-0.3	58.1		5.01		TAS		28.8	1.07	m_e	mb	5.4
CLZ	84.45		P	07:38:12.522	-0.1	58.1		5.01		TAS		53.3	1.04	m_e	mb	5.7
FLT1	83.74		P	07:38:08.194	-0.3	58.1		5.01		TAS		29.3	1.19	m_e	mb	5.4
GEC2	84.19		P	07:38:10.894		58.1		5.01		TAS		25.9	0.86	m_e	mb	5.5
GRA1	85.14		P	07:38:16.009		58.1		5.01		TAS		38.2	1.25	m_e	mb	5.5
GRA1	85.14		L	08:21:05.704						T__		482.4	21.60	a_e	Ms	4.8
GTTG	84.82		P	07:38:14.425	-0.2	58.1		5.01		TAS		31.9	0.85	m_e	mb	5.6
IBBN	85.54		P	07:38:17.516	-0.4	58.1		5.01		TAS		43.5	0.81	m_e	mb	5.6
KAST	85.82		P	07:38:19.092	-0.3	58.1		5.01		TAS		20.2	1.15	m_e	mb	5.1
MOX	84.42		P	07:38:11.773	0.2	58.1		5.01		TAS		13.2	1.06	a_e	mb	5.1
MOX	84.42		L	08:21:02.104						T__		611.0	20.70	a_e	Ms	5.0
PLN	84.21		P	07:38:10.871		58.1		5.01		TAS		4.5	0.89	m_e	mb	4.7
RETH	84.48		P	07:38:12.150	0.5	58.1		5.01		TAS		28.9	1.16	m_e	mb	5.4
TANN	84.08		P	07:38:09.923		58.1		5.01		TAS		15.1	1.16	a_e	mb	5.1
TNS	86.35		P	07:38:21.323		58.1		5.01		TAS		18.1	1.21	a_e	mb	5.1
WET	84.50		P	07:38:12.323		58.1		5.01		TAS		10.3	1.12	a_e	mb	5.0

Event 10126001 South of Fiji Islands

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

2021/01/26 01:29:28.06  
10126007

-23.1460 -178.5690

33.0

16

148.45 153.61 m i ke BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.12		PKPbc	01:49:15.980	0.0	19.7		2.34		TAS				m_e	
BRG	150.59		PKPbc	01:49:17.190	0.1	19.7		2.34		TAS				m_e	
BSEG	148.45		PKPbc	01:49:11.899	-0.2	19.7		2.34		TAS				m_e	
CLL	150.42		PKPbc	01:49:16.585	-0.0	19.7		2.34		TAS				m_e	
CLZ	150.45		PKPbc	01:49:17.069	0.3	19.7		2.34		TAS				m_e	
FLT1	149.83		PKPbc	01:49:14.953	-0.3	19.7		2.34		TAS				m_e	
GEC2	152.50		PKPbc	01:49:21.240	-0.1	19.7		2.34		TAS				m_e	
GOR1	149.19		PKPbc	01:49:13.788	0.0	19.7		2.34		TAS				m_e	
GTTG	150.81		PKPbc	01:49:17.734	0.1	19.7		2.34		TAS				m_e	
KAST	151.39		PKPbc	01:49:18.943	-0.1	19.7		2.34		TAS				m_e	
MOX	151.35		PKPbc	01:49:18.822	0.0	19.7		2.34		TAS				m_e	
NEUB	150.80		PKPbc	01:49:17.734	0.2	19.7		2.34		TAS				m_e	
PLN	151.38		PKPbc	01:49:18.943	0.1	19.7		2.34		TAS				m_e	
RUE	149.15		PKPbc	01:49:13.509	-0.1	19.7		2.34		TAS				m_e	
STU	153.61		PKPbc	01:49:24.021		19.7		2.34		TAS				m_e	
TANN	151.37		PKPbc	01:49:19.064	0.2	19.7		2.34		TAS				m_e	

Event 10127002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/27	05:06:43.36			42.5660	142.5120				122.7	0.5		24		75.39	80.78	m i ke	BGR

Magnitude Err Nsta Author OrigID  
mb 5.6 BGR 10127008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.78		P	05:18:30.155	-0.1	34.4		5.52		TAS		40.8	0.99	m_e mb	5.5
BFO	80.78		P	05:18:51.723	0.2	34.4		5.52		TAS		96.3	1.44	m_e mb	5.6
BRG	76.62		P	05:18:29.200	-0.2	34.4		5.52		TAS		28.9	1.02	m_e mb	5.3
BSEG	75.41		P	05:18:22.674	0.1	34.4		5.52		TAS		82.3	0.91	m_e mb	5.8
CLL	76.62		P	05:18:29.041	0.1	34.4		5.52		TAS		70.2	0.93	m_e mb	5.8
CLL	76.62		pP	05:18:59.914		34.1		6.02		TAS				m_e	
CLZ	77.12		P	05:18:32.543	0.4	34.4		5.52		TAS		81.9	0.96	m_e mb	5.8
FLT1	76.42		P	05:18:27.847	-0.4	34.4		5.52		TAS		95.3	0.91	m_e mb	5.9
FLT1	76.42		pP	05:18:58.618		34.1		6.02		TAS				m_e	
FUR	79.84		P	05:18:47.426		34.4		5.52		TAS		101.2	1.04	m_e mb	5.7
GEC2	78.36		P	05:18:38.671	0.1	34.4		5.52		TAS		18.7	0.98	m_e mb	5.2
GOR1	75.85		P	05:18:25.380	0.3	34.4		5.52		TAS		86.0	1.13	m_e mb	5.8
GRA1	78.60		P	05:18:40.979	0.4	34.4		5.52		TAS		89.9	0.91	m_e mb	5.8

GTTG	77.51	P	05:18:34.294	0.0	34.4	5.52	TAS	63.3	0.91	m_e	mb	5.7
IBBN	77.62	P	05:18:34.532	-0.2	34.4	5.52	TAS	69.6	0.90	m_e	mb	5.8
KAST	78.33	P	05:18:38.910	-0.2	34.4	5.52	TAS	41.7	0.99	m_e	mb	5.5
MOX	77.67	P	05:18:35.010	0.2	34.4	5.52	TAS	41.2	1.14	m_e	mb	5.5
NEUB	77.16	P	05:18:32.145	-0.2	34.4	5.52	TAS	86.5	0.91	m_e	mb	5.9
NEUB	77.16	pP	05:19:03.146		34.1	6.02	TAS				m_e	
PLN	77.60	P	05:18:35.010	0.1	34.4	5.52	TAS	7.7	0.97	m_e	mb	4.8
RETH	76.72	P	05:18:30.075	0.2	34.4	5.52	TAS	70.1	1.10	m_e	mb	5.7
RUE	75.39	P	05:18:22.514	-0.1	34.4	5.52	TAS	104.6	1.06	m_e	mb	5.8
STU	80.10	P	05:18:48.699	-0.7	34.4	5.52	TAS	166.7	0.98	m_e	mb	5.9
TANN	77.55	P	05:18:34.612	-0.1	34.4	5.52	TAS	18.2	1.09	m_e	mb	5.1
TNS	79.14	P	05:18:43.207	0.1	34.4	5.52	TAS	54.5	1.24	m_e	mb	5.4
WET	78.43	P	05:18:39.785	-0.3	34.4	5.52	TAS	47.9	1.00	m_e	mb	5.5
WLF	80.40	P	05:18:50.291	0.7	34.4	5.52	TAS	28.4	1.09	m_e	mb	5.2

Event 10127007 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/27	21:46:17.79	4.12	0.65	43.9770	13.8010	62.3	12.2	164	10.0			22	309	2.59	6.83	m i ke	BGR
OrigID 10127013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BE1	4.32		Pn	21:47:22.062	0.1					T__					m_e
BFO	5.78		Pn	21:47:40.088	-1.5					T__					m_e
BIOA	3.71		Pn	21:47:14.088	0.3					T__					m_e
DAVA	4.30		Pn	21:47:21.891	0.2					T__					m_e
FETA	3.73		Pn	21:47:13.380	-0.6					T__					m_e
GEC2	4.87		Pn	21:47:29.088	-0.3					T__					m_e
KBA	3.12		Pn	21:47:06.021	0.3					T__					m_e
LESA	3.53		Pn	21:47:11.734	0.4					T__					m_e
MANZ	6.12		Pn	21:47:45.221	-1.0					T__					m_e
MOA	3.88		Pn	21:47:17.184	1.1					T__					m_e
MOTA	3.86		Pn	21:47:16.361	0.6					T__					m_e
MOX	6.83		Pn	21:47:55.322	-0.5					T__					m_e
OBER	4.22		Pn	21:47:21.108	0.5					T__					m_e
OBKA	2.59		Pn	21:46:58.510	-0.1					T__					m_e
PART	3.99		Pn	21:47:18.028	0.5					T__					m_e
RETA	4.10		Pn	21:47:19.513	0.5					T__					m_e
ROTZ	5.89		Pn	21:47:41.922	-1.2					T__					m_e
SQTA	3.72		Pn	21:47:14.220	0.4					T__					m_e
UBR	4.51		Pn	21:47:24.500	-0.1					T__					m_e
WET	5.21		Pn	21:47:33.230	-0.7					T__					m_e
WTTA	3.62		Pn	21:47:12.854	0.3					T__					m_e
ZUGS	3.97		Pn	21:47:17.859	0.7					T__					m_e

## Event 10129002 Leeward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/29	12:43:42.23		18.1050	-61.7600					33.0					65.43	65.43	m i ke	BGR

OrigID  
10129008

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10129008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	65.43		P	12:54:21.688		266.7		6.72		TAS		11.4	1.05	m_e mb	5.0

## Event 10130001 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/30	08:35:28.44		55.4690	167.8440					33.0					73.28	73.28	m i ke	BGR

OrigID  
10130007

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10130007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.28		P	08:46:55.549		13.1		5.12		TAS		9.2	1.02	m_e mb	4.9

## Event 10130003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/30	10:52:32.40		-4.4400	102.6300					60.0					94.29	94.29	m i ke	EMSC

OrigID  
10130035

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10130009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	94.29		P	11:05:45.849		91.8		3.59		TAS		11.1	0.89	m_e mb	5.2



Event 10131001 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/31	16:04:50.84			29.5110	55.6480				33.0					39.01	39.01	m i ke	BGR
OrigID 10131007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10131007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	39.01		P	16:12:14.052		111.4		8.90		TAS		20.4	1.35	m_e mb	4.6

Event 10131002 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/01/31	22:05:57.68			27.5610	57.8040				33.0					41.72	41.72	m i ke	BGR
OrigID 10131008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	10131008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	41.72		P	22:13:43.365		110.1		8.95		TAS		5.9	0.84	m_e mb	4.3