

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

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

March 2021 UPDATED 30.December 2022

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

Event 10301009 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/01	01:31:40.76			65.1160	-21.9850				10.0				18	19.55	24.48	m i ke	BGR
OrigID 10301015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	10301015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	21.06		P	01:36:23.575	2.3	324.1		10.14		TAS		9.1	0.94	m_e mb	4.1
BFO	23.26		P	01:36:45.606		324.1		10.14		TAS		27.0	1.11	m_e mb	4.7
BSEG	19.55		P	01:36:07.828	-0.0	324.1		10.14		TAS		14.9	0.99	m_e mb	4.2
CLL	22.61		P	01:36:39.951	-1.4	324.1		10.14		TAS		30.4	1.37	m_e mb	4.7
CLZ	21.17		P	01:36:24.512	0.0	324.1		10.14		TAS		13.0	0.94	m_e mb	4.2
FLT1	21.13		P	01:36:23.892	1.0	324.1		10.14		TAS		12.4	0.91	m_e mb	4.2
FUR	24.48		P	01:36:57.294		324.1		10.14		TAS		12.4	0.96	m_e mb	4.6
GRA1	23.20		P	01:36:47.339		324.1		10.14		TAS		16.6	0.97	m_e mb	4.5
GTTG	21.24		P	01:36:24.191	0.8	324.1		10.14		TAS		18.0	1.05	m_e mb	4.3
IBBN	19.80		P	01:36:11.240	-1.0	324.1		10.14		TAS		10.4	0.92	m_e mb	4.0
KAST	20.92		P	01:36:21.682	-0.2	324.1		10.14		TAS		21.3	1.22	m_e mb	4.3
MOX	22.59		P	01:36:39.533	-1.0	324.1		10.14		TAS		17.2	0.98	m_e mb	4.5
NEUB	22.22		P	01:36:36.522	0.3	324.1		10.14		TAS		47.3	0.93	m_e mb	4.9
STU	23.20		P	01:36:45.955		324.1		10.14		TAS		112.3	1.04	m_e mb	5.3
TANN	23.10		P	01:36:44.139		324.1		10.14		TAS		18.1	0.99	m_e mb	4.6
TNS	21.73		P	01:36:32.946	0.7	324.1		10.14		TAS		37.9	1.01	m_e mb	4.8
UBR	24.45		P	01:36:56.911		324.1		10.14		TAS		18.6	1.02	m_e mb	4.6
WLF	21.36		P	01:36:25.416	-0.4	324.1		10.14		TAS		13.4	1.00	m_e mb	4.2

Event 10301010 Iceland
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/01 16:35:53.88 64.7640 -21.1170 33.0 19 19.31 24.36 m i ke BGR
 10301016

Magnitude Err Nsta Author OrigID
 mb 4.6 BGR 10301016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	20.58		P	16:40:29.012	1.9	323.7		10.31		TAS		21.8	0.98	m_e mb	4.5
BFO	22.76		P	16:40:50.826		323.7		10.31		TAS		33.3	1.04	m_e mb	4.8
BRG	22.85		P	16:40:52.633		323.7		10.31		TAS		20.8	0.99	m_e mb	4.6
CLL	22.14		P	16:40:45.589	-0.5	323.7		10.31		TAS		17.4	1.00	m_e mb	4.4
CLZ	20.69		P	16:40:30.085	-0.4	323.7		10.31		TAS		13.8	0.89	m_e mb	4.3
FLT1	20.65		P	16:40:29.336	0.4	323.7		10.31		TAS		11.6	0.79	m_e mb	4.3
GEC2	24.36		P	16:41:08.697		323.7		10.31		TAS		12.7	1.14	m_e mb	4.3
GRA1	22.72		P	16:40:52.729		323.7		10.31		TAS		31.2	1.11	m_e mb	4.8
GTTG	20.76		P	16:40:31.339	0.5	323.7		10.31		TAS		36.4	0.97	m_e mb	4.7
IBBN	19.31		P	16:40:16.337	0.9	323.7		10.31		TAS		25.8	0.95	m_e mb	4.4
KAST	20.43		P	16:40:29.031	-0.8	323.7		10.31		TAS		26.3	0.99	m_e mb	4.4
MOX	22.11		P	16:40:44.984	0.4	323.7		10.31		TAS		16.0	0.93	m_e mb	4.4
NEUB	21.74		P	16:40:41.779	-0.2	323.7		10.31		TAS		70.2	0.87	m_e mb	5.1
STU	22.70		P	16:40:50.963		323.7		10.31		TAS		111.3	1.07	m_e mb	5.3
TANN	22.62		P	16:40:49.791	0.1	323.7		10.31		TAS		18.4	0.84	m_e mb	4.6
TNS	21.23		P	16:40:38.164	0.9	323.7		10.31		TAS		35.3	0.89	m_e mb	4.7
UBR	23.95		P	16:41:03.502		323.7		10.31		TAS		29.7	0.85	m_e mb	4.8
WET	23.80		P	16:41:02.395		323.7		10.31		TAS		10.6	0.88	m_e mb	4.4
WLF	20.85		P	16:40:30.243	-0.8	323.7		10.31		TAS		13.2	0.80	m_e mb	4.3

Event 10302001 Iceland
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/02 03:05:46.25 63.9850 -20.4160 33.0 18 18.70 23.30 m i ke BGR
 10302007

Magnitude Err Nsta Author OrigID
 mb 4.1 BGR 10302007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	20.01		P	03:10:15.686	-2.4	322.2		10.64		TAS		11.3	1.03	m_e mb	4.0
BFO	22.09		P	03:10:36.820		322.2		10.64		TAS		13.6	0.94	m_e mb	4.4
BRG	22.30		P	03:10:38.853		322.2		10.64		TAS		5.7	0.85	m_e mb	4.0
BUG	19.17		P	03:10:10.571	0.4	322.2		10.64		TAS		9.2	0.81	m_e mb	4.1
CLL	21.58		P	03:10:34.672	-1.2	322.2		10.64		TAS		4.8	0.74	m_e mb	4.0

CLZ	20.10	P	03:10:19.123	-0.2	322.2	10.64	TAS	7.5	0.91	m_e	mb	3.9
FLT1	20.09	P	03:10:13.495	3.1	322.2	10.64	TAS	6.3	0.77	m_e	mb	3.9
GRA1	22.11	P	03:10:38.607		322.2	10.64	TAS	9.0	0.89	m_e	mb	4.2
GTTG	20.16	P	03:10:17.159	-0.9	322.2	10.64	TAS	6.9	0.85	m_e	mb	3.9
IBBN	18.70	P	03:09:57.584	4.0	322.2	10.64	TAS	9.1	0.83	m_e	mb	4.0
KAST	19.81	P	03:10:13.160	0.4	322.2	10.64	TAS	10.9	0.96	m_e	mb	4.1
MOX	21.52	P	03:10:30.721	-0.2	322.2	10.64	TAS	7.7	0.83	m_e	mb	4.2
NEUB	21.16	P	03:10:27.382	-0.5	322.2	10.64	TAS	21.6	0.79	m_e	mb	4.5
TANN	22.04	P	03:10:36.548		322.2	10.64	TAS	6.7	0.74	m_e	mb	4.2
TNS	20.59	P	03:10:20.408	0.2	322.2	10.64	TAS	9.2	0.77	m_e	mb	4.2
UBR	23.30	P	03:10:49.564		322.2	10.64	TAS	9.5	0.70	m_e	mb	4.4
WET	23.20	P	03:10:48.444		322.2	10.64	TAS	4.1	0.76	m_e	mb	4.0
WLF	20.17	P	03:10:16.201	-1.2	322.2	10.64	TAS	8.1	0.90	m_e	mb	4.0

Event 10302002 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/02	09:23:06.09			21.6540	119.7990				33.0			17		82.90	87.86	m i ke	BGR
10302008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10302008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	84.15		P	09:35:33.552	0.3	62.2		5.02		TAS		5.7	0.86	m_e	mb	4.8
BRG	82.90		P	09:35:27.302	-0.1	62.2		5.02		TAS		7.2	0.87	m_e	mb	4.9
BSEG	83.49		P	09:35:30.024	0.1	62.2		5.02		TAS				m_e		
CLL	83.24		P	09:35:28.675	-0.6	62.2		5.02		TAS		19.8	0.92	m_e	mb	5.3
CLZ	84.45		P	09:35:35.255	0.4	62.2		5.02		TAS		21.7	0.92	m_e	mb	5.4
FLT1	83.75		P	09:35:30.877	-0.0	62.2		5.02		TAS		15.9	0.83	m_e	mb	5.3
FUR	85.68		P	09:35:40.596		62.2		5.02		TAS				m_e		
GEC2	83.93		P	09:35:32.839	0.0	62.2		5.02		TAS		20.0	0.92	m_e	mb	5.3
GTTG	84.82		P	09:35:37.118		62.2		5.02		TAS		13.0	0.84	m_e	mb	5.2
IBBN	85.63		P	09:35:40.919		62.2		5.02		TAS		30.5	0.77	m_e	mb	5.5
KAST	85.83		P	09:35:42.380		62.2		5.02		TAS		5.4	0.86	m_e	mb	4.7
MOX	84.32		P	09:35:34.523	-0.6	62.2		5.02		TAS		7.4	0.86	m_e	mb	4.9
NEUB	83.98		P	09:35:32.619	0.1	62.2		5.02		TAS		23.8	0.83	m_e	mb	5.5
TANN	83.95		P	09:35:32.578	0.0	62.2		5.02		TAS		7.2	0.97	m_e	mb	4.9
UBR	86.60		P	09:35:45.658		62.2		5.02		TAS		6.2	0.73	m_e	mb	4.8
WET	84.28		P	09:35:34.170	-0.0	62.2		5.02		TAS		4.4	0.88	m_e	mb	4.7
WLF	87.86		P	09:35:52.075		62.2		5.02		TAS		18.0	0.85	m_e	mb	5.4

Event 10305001 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	00:19:39.30			-29.1800	-177.0800				10.0			14		155.99	160.35	m i ke	NEIC
10305096																	

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
BFO	160.35		PKPab	00:40:19.577		17.0		4.39		TAS					m_e
BRG	156.73		PKPdf	00:39:34.758	-0.1	20.5		1.28		TAS					m_e
BRG	156.73		PKPab	00:40:04.284	0.0	17.0		4.39		TAS					m_e
BUG	157.44		PKPdf	00:39:35.279	-0.1	20.5		1.28		TAS					m_e
BUG	157.44		PKPab	00:40:06.952	0.0	17.0		4.39		TAS					m_e
CLL	156.57		PKPdf	00:39:34.091	-0.0	20.5		1.28		TAS					m_e
CLL	156.57		PKPab	00:40:03.177	-0.0	17.0		4.39		TAS					m_e
CLZ	156.61		PKPdf	00:39:34.735	0.1	20.5		1.28		TAS					m_e
CLZ	156.61		PKPab	00:40:03.866	0.1	17.0		4.39		TAS					m_e
FLT1	155.99		PKPdf	00:39:33.523	0.1	20.5		1.28		TAS					m_e
FLT1	155.99		PKPab	00:40:00.522	0.4	17.0		4.39		TAS					m_e
FUR	159.91		PKPab	00:40:18.416		17.0		4.39		TAS					m_e
GEC2	158.63		PKPdf	00:39:36.787		20.5		1.28		TAS					m_e
GEC2	158.63		PKPab	00:40:12.676		17.0		4.39		TAS					m_e
GRA1	158.49		PKPab	00:40:12.271	0.3	17.0		4.39		TAS					m_e
GTTG	156.97		PKPab	00:40:05.332	0.5	17.0		4.39		TAS					m_e
IBBN	156.54		PKPdf	00:39:34.307	0.0	20.5		1.28		TAS					m_e
IBBN	156.54		PKPab	00:40:03.349	-0.4	17.0		4.39		TAS					m_e
KAST	157.54		PKPdf	00:39:35.640		20.5		1.28		TAS					m_e
KAST	157.54		PKPab	00:40:07.386	-0.0	17.0		4.39		TAS					m_e
MOX	157.50		PKPdf	00:39:35.570		20.5		1.28		TAS					m_e
MOX	157.50		PKPab	00:40:07.411	0.2	17.0		4.39		TAS					m_e
NEUB	156.96		PKPab	00:40:05.024	-0.2	17.0		4.39		TAS					m_e
PLN	157.53		PKPab	00:40:07.680	-0.0	17.0		4.39		TAS					m_e
STU	159.77		PKPdf	00:39:38.298		20.5		1.28		TAS					m_e
STU	159.77		PKPab	00:40:17.285		17.0		4.39		TAS					m_e
TANN	157.53		PKPdf	00:39:35.533		20.5		1.28		TAS					m_e
TANN	157.53		PKPab	00:40:07.779	-0.4	17.0		4.39		TAS					m_e
TNS	158.49		PKPdf	00:39:36.958		20.5		1.28		TAS					m_e
TNS	158.49		PKPab	00:40:11.704	-0.2	17.0		4.39		TAS					m_e
WET	158.59		PKPdf	00:39:36.789		20.5		1.28		TAS					m_e
WET	158.59		PKPab	00:40:12.794		17.0		4.39		TAS					m_e
WLF	159.31		PKPdf	00:39:38.398		20.5		1.28		TAS					m_e
WLF	159.31		PKPab	00:40:15.643		17.0		4.39		TAS					m_e

Event 10305002 Kermadec Islands region

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

./bul2103.txt

Wed Jan 11 09:16:10 2023

5

2021/03/05 00:28:19.30
10305097

-28.9900 -176.5800

10.0

158.41 158.41 m i ke NEIC

Magnitude Err Nsta Author OrigID
Ms 6.6 BGR 10305008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.41		PKPdf	00:48:21.250		72.1		1.18		TAS				m_e	
GRA1	158.41		PKPab	00:48:52.099		29.5		4.16		TAS				m_e	
GRA1	158.41		L	02:02:23.586						T__		9839.5	20.10	a_e Ms	6.6

Event 10305003 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	00:58:27.70			-30.0400	-177.3800				10.0				21	156.06	161.39	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
BFO	161.14		PKPab	01:19:12.207		17.8		4.39		TAS				m_e	
BRG	157.46		PKPab	01:18:56.264	-0.2	17.8		4.39		TAS				m_e	
CLL	157.32		PKPab	01:18:55.407	0.2	17.8		4.39		TAS				m_e	
CLZ	157.40		PKPab	01:18:56.128	0.0	17.8		4.39		TAS				m_e	
FLT1	156.76		PKPab	01:18:52.728	-0.1	17.8		4.39		TAS				m_e	
FUR	160.65		PKPab	01:19:10.577		17.8		4.39		TAS				m_e	
GEC2	159.34		PKPab	01:19:04.647		17.8		4.39		TAS				m_e	
GRA1	159.25		PKPab	01:19:04.532	-0.0	17.8		4.39		TAS				m_e	
GTTG	157.75		PKPab	01:18:57.677	-0.3	17.8		4.39		TAS				m_e	
IBBN	157.35		PKPab	01:18:55.311	-0.3	17.8		4.39		TAS				m_e	
KAST	158.34		PKPab	01:18:59.789	-0.0	17.8		4.39		TAS				m_e	
MOX	158.27		PKPab	01:18:59.690	0.6	17.8		4.39		TAS				m_e	
NEUB	157.72		PKPab	01:18:57.233	-0.5	17.8		4.39		TAS				m_e	
PLN	158.29		PKPab	01:19:00.027	0.2	17.8		4.39		TAS				m_e	
RETH	156.71		PKPab	01:18:52.864	0.5	17.8		4.39		TAS				m_e	
RUE	156.06		PKPab	01:18:50.182	0.4	17.8		4.39		TAS				m_e	
TANN	158.28		PKPab	01:18:59.856	-0.6	17.8		4.39		TAS				m_e	
TNS	159.29		PKPab	01:19:03.563	0.1	17.8		4.39		TAS				m_e	
UBR	161.39		PKPab	01:19:13.359		17.8		4.39		TAS				m_e	
WET	159.32		PKPab	01:19:04.989		17.8		4.39		TAS				m_e	
WLF	160.13		PKPab	01:19:07.891	0.2	17.8		4.39		TAS				m_e	

Event 10305004 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	02:30:36.60			-28.7100	-176.5600				17.0					158.15	158.15	m i ke	NEIC
OrigID 10305099																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.4		BGR	10305010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.15		PKPdf	02:50:35.743		73.6		1.66		TAS					m_e
GRA1	158.15		PKPab	02:51:06.359		29.8		4.26		TAS					m_e
GRA1	158.15		L	04:05:17.350						T__		5505.6	20.60	a_e Ms	6.4

Event 10305005 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	02:49:50.30			-28.3300	-176.5900				10.0				20	153.84	159.59	m i ke	NEIC
OrigID 10305100																	

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
BFO	159.59		PKPab	03:10:27.426		16.0		4.36		TAS					m_e
BRG	156.05		PKPab	03:10:12.323	0.0	16.0		4.36		TAS					m_e
BSEG	153.84		PKPab	03:10:02.919	-0.2	16.0		4.36		TAS					m_e
BUG	156.65		PKPab	03:10:14.514	-0.1	16.0		4.36		TAS					m_e
CLL	155.87		PKPab	03:10:11.155	-0.0	16.0		4.36		TAS					m_e
CLZ	155.86		PKPab	03:10:11.637	-0.1	16.0		4.36		TAS					m_e
FLT1	155.25		PKPab	03:10:08.375	-0.1	16.0		4.36		TAS					m_e
FUR	159.20		PKPab	03:10:26.325		16.0		4.36		TAS					m_e
GEC2	157.97		PKPab	03:10:20.921		16.0		4.36		TAS					m_e
GRA1	157.77		PKPab	03:10:20.141		16.0		4.36		TAS					m_e
GTTG	156.21		PKPab	03:10:13.126	-0.2	16.0		4.36		TAS					m_e
IBBN	155.75		PKPab	03:10:11.070	-0.4	16.0		4.36		TAS					m_e
KAST	156.76		PKPab	03:10:15.189	0.0	16.0		4.36		TAS					m_e
MOX	156.78		PKPab	03:10:15.259	0.5	16.0		4.36		TAS					m_e
NEUB	156.23		PKPab	03:10:12.904	0.1	16.0		4.36		TAS					m_e
PLN	156.82		PKPab	03:10:15.601	0.2	16.0		4.36		TAS					m_e
TANN	156.82		PKPab	03:10:15.686	-0.2	16.0		4.36		TAS					m_e
TNS	157.72		PKPab	03:10:19.551	-0.1	16.0		4.36		TAS					m_e
WET	157.91		PKPab	03:10:20.810		16.0		4.36		TAS					m_e
WLF	158.50		PKPab	03:10:23.298	0.3	16.0		4.36		TAS					m_e

Event 10305006 Kermadec Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/05 03:21:38.70 -28.6600 -176.5500 10.0 20 158.10 158.10 m i ke NEIC
10305101

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 158.10 PKPab 03:42:10.272 -0.2 26.6 4.02 TAS m_e

Event 10305007 Kermadec Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/05 03:33:20.70 -28.7800 -176.6400 10.0 158.20 158.20 m i ke NEIC
10305102

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 158.20 PKPab 03:53:51.784 18.9 3.91 TAS m_e

Event 10305008 Kermadec Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/05 03:41:31.20 -28.7400 -176.5800 10.0 158.17 158.17 m i ke NEIC
10305103

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 158.17 PKPab 04:02:01.964 18.8 3.89 TAS m_e

Event 10305009 Kermadec Islands region
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/05 08:13:41.50 -29.5400 -176.2100 15.0 159.02 159.02 m i ke NEIC
10305104

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.02		PKPab	08:34:16.996		26.4		4.07		TAS					m_e

Event 10305010 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	14:24:49.60			-29.0900	-176.3100				10.0					158.56	158.56	m i ke	NEIC
OrigID 10305105																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.56		PKPdf	14:44:51.536		260.1		0.60		TAS					m_e
GRA1	158.56		PKPab	14:45:26.427		27.6		4.09		TAS					m_e
GRA1	158.56		PP	14:49:04.108		28.8		4.90		TAS					m_e

Event 10305011 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	15:42:43.60			-37.6000	-179.9100				10.0					165.46	165.46	m i ke	NEIC
OrigID 10305106																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.46		PKPab	16:03:47.832		48.1		4.22		TAS					m_e

Event 10305012 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	19:34:52.30			-30.3300	-177.0600				10.0					159.60	159.60	m i ke	NEIC
OrigID 10305107																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.60		PKPab	19:55:31.479		26.9		3.94		TAS					m_e

Event 10305013 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	19:37:08.40			-28.4000	-177.6600				10.0					157.61	157.61	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	157.61		PKPab	19:57:38.175		30.2		4.19		TAS					m_e

Event 10305014 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	20:20:44.30			-29.8000	-176.5000				10.0					159.21	159.21	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	159.21		PKPab	20:41:19.496		24.8		3.90		TAS					m_e

Event 10305015 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	20:26:36.40			-30.2000	-176.9900				11.0				16	156.92	161.36	m i ke	NEIC

Magnitude Err Nsta Author OrigID

Ms 6.0 BGR 10305021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	157.29		PKPdf	20:46:33.598	-0.1	19.0		1.18		TAS					m_e
ASSE	157.29		PKPab	20:47:02.894	-0.3	19.3		4.39		TAS					m_e
BFO	161.36		PKPdf	20:46:38.164		19.0		1.18		TAS					m_e
BFO	161.36		PKPab	20:47:21.630		19.3		4.39		TAS					m_e
BRG	157.72		PKPdf	20:46:34.001	-0.1	19.0		1.18		TAS					m_e
BRG	157.72		PKPab	20:47:05.045	-0.3	19.3		4.39		TAS					m_e
BUG	158.46		PKPdf	20:46:34.768	0.2	19.0		1.18		TAS					m_e
BUG	158.46		PKPab	20:47:09.279	0.0	19.3		4.39		TAS					m_e
CLL	157.57		PKPdf	20:46:34.037	0.4	19.0		1.18		TAS					m_e

./bul2103.txt

Wed Jan 11 09:16:10 2023

10

CLL	157.57	PKPab	20:47:05.434	-0.5	19.3	4.39	TAS	m_e
CLZ	157.62	PKPdf	20:46:33.917	0.8	19.0	1.18	TAS	m_e
CLZ	157.62	PKPab	20:47:04.971	-0.2	19.3	4.39	TAS	m_e
FLT1	157.00	PKPdf	20:46:33.044	0.2	19.0	1.18	TAS	m_e
FUR	160.90	PKPab	20:47:19.577		19.3	4.39	TAS	m_e
GEC2	159.61	PKPdf	20:46:35.969		19.0	1.18	TAS	m_e
GEC2	159.61	PKPab	20:47:13.569		19.3	4.39	TAS	m_e
GRA1	159.49	PKPab	20:47:12.059		19.3	4.39	TAS	m_e
GRA1	159.49	L	22:08:50.054				T__	2073.0 18.00 a_e Ms 6.0
GTTG	157.98	PKPdf	20:46:34.015	0.1	19.0	1.18	TAS	m_e
GTTG	157.98	PKPab	20:47:06.303	0.0	19.3	4.39	TAS	m_e
IBBN	157.56	PKPdf	20:46:33.704	-0.2	19.0	1.18	TAS	m_e
IBBN	157.56	PKPab	20:47:04.329	0.9	19.3	4.39	TAS	m_e
MOX	158.51	PKPdf	20:46:35.694		19.0	1.18	TAS	m_e
MOX	158.51	PKPab	20:47:08.383	-0.1	19.3	4.39	TAS	m_e
NEUB	157.96	PKPab	20:47:05.934	0.2	19.3	4.39	TAS	m_e
PLN	158.53	PKPdf	20:46:35.034		19.0	1.18	TAS	m_e
PLN	158.53	PKPab	20:47:08.697	0.5	19.3	4.39	TAS	m_e
RETH	156.92	PKPdf	20:46:32.961	0.0	19.0	1.18	TAS	m_e
RETH	156.92	PKPab	20:47:02.309	0.0	19.3	4.39	TAS	m_e
STU	160.78	PKPab	20:47:18.428		19.3	4.39	TAS	m_e
TANN	158.53	PKPdf	20:46:35.215		19.0	1.18	TAS	m_e
TANN	158.53	PKPab	20:47:08.726	0.4	19.3	4.39	TAS	m_e
TNS	159.50	PKPab	20:47:12.653		19.3	4.39	TAS	m_e
WET	159.58	PKPdf	20:46:36.060		19.0	1.18	TAS	m_e
WET	159.58	PKPab	20:47:13.689		19.3	4.39	TAS	m_e
WLF	160.33	PKPdf	20:46:37.666		19.0	1.18	TAS	m_e

Event 10305016 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	21:33:22.30			-37.6900	179.7500				10.0			22		163.24	167.61	m i ke	NEIC
10305111																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	163.60		PKPab	21:54:17.852	-0.1	38.9		4.44		TAS					m_e
BFO	167.61		PKPab	21:54:35.588		38.9		4.44		TAS					m_e
BRG	163.37		PKPab	21:54:16.750	0.6	38.9		4.44		TAS					m_e
BUG	165.19		PKPab	21:54:24.297	0.2	38.9		4.44		TAS					m_e
CLL	163.43		PKPab	21:54:16.647	0.3	38.9		4.44		TAS					m_e
CLZ	163.94		PKPab	21:54:19.468	0.3	38.9		4.44		TAS					m_e
FLT1	163.24		PKPab	21:54:15.701	-0.1	38.9		4.44		TAS					m_e
FUR	166.54		PKPab	21:54:31.038		38.9		4.44		TAS					m_e
GEC2	164.93		PKPab	21:54:23.377		38.9		4.44		TAS					m_e

./bul2103.txt

Wed Jan 11 09:16:10 2023

11

GRA1	165.40	PKPab	21:54:26.224	-0.4	38.9	4.44	TAS	m_e
GTTG	164.32	PKPab	21:54:21.117	-0.0	38.9	4.44	TAS	m_e
IBBN	164.28	PKPab	21:54:20.744	-0.9	38.9	4.44	TAS	m_e
KAST	165.10	PKPab	21:54:24.356	0.2	38.9	4.44	TAS	m_e
MOX	164.49	PKPab	21:54:21.638	-0.2	38.9	4.44	TAS	m_e
NEUB	163.99	PKPab	21:54:19.468	0.2	38.9	4.44	TAS	m_e
PLN	164.40	PKPab	21:54:21.484	-1.1	38.9	4.44	TAS	m_e
RETH	163.46	PKPab	21:54:17.122	0.4	38.9	4.44	TAS	m_e
STU	166.93	PKPab	21:54:32.761		38.9	4.44	TAS	m_e
TANN	164.33	PKPab	21:54:21.133	0.5	38.9	4.44	TAS	m_e
TNS	165.95	PKPab	21:54:28.235	0.3	38.9	4.44	TAS	m_e
UBR	167.42	PKPab	21:54:34.450		38.9	4.44	TAS	m_e
WET	165.10	PKPab	21:54:24.552		38.9	4.44	TAS	m_e

Event 10305017 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	22:34:50.30			-30.0800	-177.0600				10.0					159.36	159.36	m i ke	NEIC
OrigID 10305112																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.36		PKPab	22:55:27.100		20.8		3.87		TAS					m_e

Event 10305018 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	23:17:30.60			-28.9000	-176.8600				10.0				14	155.75	160.11	m i ke	NEIC
OrigID 10305113																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	160.11		PKPab	23:38:08.508		16.8		4.37		TAS					m_e
BRG	156.52		PKPab	23:37:53.391	-0.1	16.8		4.37		TAS					m_e
CLZ	156.38		PKPab	23:37:52.925	-0.3	16.8		4.37		TAS					m_e
FLT1	155.75		PKPab	23:37:49.509	0.1	16.8		4.37		TAS					m_e
FUR	159.69		PKPab	23:38:07.457		16.8		4.37		TAS					m_e
GEC2	158.43		PKPab	23:38:01.829		16.8		4.37		TAS					m_e
GRA1	158.27		PKPab	23:38:01.265		16.8		4.37		TAS					m_e
IBBN	156.28		PKPab	23:37:52.195	0.5	16.8		4.37		TAS					m_e
MOX	157.28		PKPab	23:37:56.419		16.8		4.37		TAS					m_e

./bul2103.txt

Wed Jan 11 09:16:10 2023

12

NEUB	156.73	PKPab	23:37:54.001	0.3	16.8	4.37	TAS	m_e
PLN	157.31	PKPab	23:37:56.672		16.8	4.37	TAS	m_e
TANN	157.31	PKPab	23:37:56.815		16.8	4.37	TAS	m_e
WET	158.38	PKPab	23:38:01.767		16.8	4.37	TAS	m_e
WLF	159.05	PKPab	23:38:04.549		16.8	4.37	TAS	m_e

Event 10306001 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/05	23:48:28.90			-29.9400	-176.8400				10.0					159.28	159.28	m i ke	NEIC
OrigID 10306096																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.28		PKPab	00:09:05.875		20.2		4.02		TAS					m_e

Event 10306002 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	00:16:21.30			-37.5600	179.5800				10.0				22	161.97	167.44	m i ke	EMSC
OrigID 10306034																	

Magnitude Err Nsta Author OrigID

Ms 6.3 BGR 10306008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	163.42		PKPdf	00:36:24.723	-0.2	45.5		1.07		TAS					m_e
ASSE	163.42		PKPab	00:37:16.449	0.2	35.3		4.42		TAS					m_e
BFO	167.44		PKPdf	00:36:27.630		45.5		1.07		TAS					m_e
BFO	167.44		PKPab	00:37:34.189		35.3		4.42		TAS					m_e
BRG	163.19		PKPdf	00:36:23.403	-0.1	45.5		1.07		TAS					m_e
BRG	163.19		PKPab	00:37:15.277	0.2	35.3		4.42		TAS					m_e
BSEG	161.97		PKPab	00:37:10.124	0.4	35.3		4.42		TAS					m_e
BUG	165.02		PKPab	00:37:23.020	0.3	35.3		4.42		TAS					m_e
CLL	163.25		PKPdf	00:36:23.260	0.8	45.5		1.07		TAS					m_e
CLL	163.25		PKPab	00:37:15.285	0.5	35.3		4.42		TAS					m_e
CLZ	163.76		PKPdf	00:36:24.221	-0.2	45.5		1.07		TAS					m_e
CLZ	163.76		PKPab	00:37:18.246	0.3	35.3		4.42		TAS					m_e
FLT1	163.07		PKPdf	00:36:23.438	0.8	45.5		1.07		TAS					m_e
FLT1	163.07		PKPab	00:37:14.365	-0.3	35.3		4.42		TAS					m_e
FUR	166.36		PKPdf	00:36:26.954		45.5		1.07		TAS					m_e
FUR	166.36		PKPab	00:37:29.616	0.2	35.3		4.42		TAS					m_e

GRA1 158.37 PKPab 04:20:21.347 19.6 3.99 TAS m_e

Event 10306004 Kamchatka Peninsula, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2021/03/06 05:58:03.55 51.3600 156.0900 33.0 27 71.11 76.99 m i ke BGR
10306010

Magnitude Err Nsta Author OrigID
mb 5.5 BGR 10306010
MBB 5.7 BGR 10306010
Ms 4.8 BGR 10306010

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists seismic station data for various stations like ASSE, BFO, BRG, etc.

Event 10306005 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	06:05:46.80			-37.6000	-179.8200				10.0			16		162.17	167.69	m i ke	NEIC
OrigID 10306100																	

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	163.65		PKPab	06:26:42.149	-0.2	35.1		4.44		TAS					a_e
BFO	167.69		PKPab	06:26:59.899		35.1		4.44		TAS					a_e
BRG	163.47		PKPdf	06:25:51.508	-0.0	35.7		0.88		TAS					m_e
BRG	163.47		PKPab	06:26:41.099	0.2	35.1		4.44		TAS					a_e
BSEG	162.17		PKPab	06:26:35.749	-0.3	35.1		4.44		TAS					a_e
BUG	165.21		PKPdf	06:25:52.965		35.7		0.88		TAS					m_e
CLL	163.52		PKPdf	06:25:51.472	0.0	35.7		0.88		TAS					m_e
CLL	163.52		PKPab	06:26:40.999	0.2	35.1		4.44		TAS					a_e
CLZ	163.99		PKPab	06:26:43.949	-0.2	35.1		4.44		TAS					a_e
FLT1	163.30		PKPdf	06:25:51.269	-0.1	35.7		0.88		TAS					m_e
FLT1	163.30		PKPab	06:26:40.099	0.3	35.1		4.44		TAS					a_e
FUR	166.66		PKPab	06:26:55.499		35.1		4.44		TAS					a_e
GEC2	165.06		PKPdf	06:25:52.724		35.7		0.88		TAS					m_e
GEC2	165.06		PKPab	06:26:47.999	-0.2	35.1		4.44		TAS					a_e
GOR1	162.71		PKPab	06:26:38.349	-0.7	35.1		4.44		TAS					a_e
GRA1	165.49		PKPdf	06:25:53.486		35.7		0.88		TAS					m_e
GRA1	165.49		PKPab	06:26:50.549	0.2	35.1		4.44		TAS					a_e
GTTG	164.38		PKPdf	06:25:52.313	-0.3	35.7		0.88		TAS					m_e
GTTG	164.38		PKPab	06:26:45.499	0.1	35.1		4.44		TAS					a_e
IBBN	164.29		PKPdf	06:25:52.346	-0.1	35.7		0.88		TAS					m_e
IBBN	164.29		PKPab	06:26:44.999	0.5	35.1		4.44		TAS					a_e
KAST	165.13		PKPdf	06:25:53.015		35.7		0.88		TAS					m_e
KAST	165.13		PKPab	06:26:48.712	0.2	35.1		4.44		TAS					m_e
MOX	164.57		PKPdf	06:25:52.430		35.7		0.88		TAS					m_e
MOX	164.57		PKPab	06:26:46.049	-0.2	35.1		4.44		TAS					a_e
NEUB	164.07		PKPdf	06:25:52.137	-0.0	35.7		0.88		TAS					m_e
NEUB	164.07		PKPab	06:26:43.749	0.1	35.1		4.44		TAS					a_e
PLN	164.49		PKPdf	06:25:52.472	0.2	35.7		0.88		TAS					m_e
PLN	164.49		PKPab	06:26:45.799	0.6	35.1		4.44		TAS					m_e
RETH	163.50		PKPdf	06:25:51.759	0.1	35.7		0.88		TAS					m_e
RETH	163.50		PKPab	06:26:41.449	-0.3	35.1		4.44		TAS					a_e
STU	167.00		PKPab	06:26:56.999		35.1		4.44		TAS					a_e
TANN	164.43		PKPdf	06:25:52.349	0.2	35.7		0.88		TAS					m_e
TANN	164.43		PKPab	06:26:45.449	-0.2	35.1		4.44		TAS					a_e
TNS	166.00		PKPdf	06:25:53.963		35.7		0.88		TAS					m_e
TNS	166.00		PKPab	06:26:52.649	-0.8	35.1		4.44		TAS					a_e
UBR	167.53		PKPab	06:26:58.999		35.1		4.44		TAS					a_e
WET	165.22		PKPdf	06:25:53.017		35.7		0.88		TAS					m_e
WET	165.22		PKPab	06:26:48.999	0.0	35.1		4.44		TAS					a_e

WLF 167.12 PKPab 06:26:57.899 0.3 35.1 4.44 TAS a_e

Event 10306006 Kermadec Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/06 07:02:24.20 -28.4800 -178.0400 10.0 18 154.40 159.50 m i ke NEIC
10306101

Magnitude Err Nsta Author OrigID
Ms 6.0 BGR 10306012

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists seismic data for various stations including ASSE, BFO, BRG, CLL, CLZ, CLZ, FLT1, FUR, GEC2, GOR1, GRA1, GTTG, IBBN, KAST, MOX, NEUB, PLN, RETH, RUE, STU, and TANN.

TANN	156.62	PKPab	07:22:48.715	-0.3	18.8	4.37	TAS	m_e
TNS	157.65	PKPdf	07:22:20.182		21.3	1.25	TAS	m_e
TNS	157.65	PKPab	07:22:52.981	-0.0	18.8	4.37	TAS	m_e
WET	157.66	PKPdf	07:22:19.984		21.3	1.25	TAS	m_e
WET	157.66	PKPab	07:22:53.721		18.8	4.37	TAS	m_e
WLF	158.52	PKPab	07:22:57.100	-0.3	18.8	4.37	TAS	m_e

Event 10306007 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	07:16:29.40			-28.6200	-177.0000				10.0			20		155.37	160.11	m i ke	NEIC
OrigID 10306102																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0		BGR	10306013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	155.75		PKPdf	07:36:31.526	0.0	21.6		1.18		TAS				m_e	
BFO	159.81		PKPdf	07:36:36.079		21.6		1.18		TAS				m_e	
BFO	159.81		PKPab	07:37:14.275		19.0		4.40		TAS				m_e	
BRG	156.22		PKPdf	07:36:32.088	0.2	21.6		1.18		TAS				m_e	
BRG	156.22		PKPab	07:36:58.758	-0.5	19.0		4.40		TAS				m_e	
BUG	156.90		PKPdf	07:36:32.771	0.4	21.6		1.18		TAS				m_e	
CLL	156.05		PKPdf	07:36:31.634	-0.4	21.6		1.18		TAS				m_e	
CLL	156.05		PKPab	07:36:57.767	0.1	19.0		4.40		TAS				m_e	
CLZ	156.08		PKPdf	07:36:32.202	-0.1	21.6		1.18		TAS				m_e	
FLT1	155.46		PKPdf	07:36:30.868	0.1	21.6		1.18		TAS				m_e	
FLT1	155.46		PKPab	07:36:55.171	-0.1	19.0		4.40		TAS				m_e	
GEC2	158.13		PKPdf	07:36:34.262		21.6		1.18		TAS				m_e	
GEC2	158.13		PKPab	07:37:06.977		19.0		4.40		TAS				m_e	
GRA1	157.97		PKPab	07:37:06.869		19.0		4.40		TAS				m_e	
GRA1	157.97		L	08:49:50.684						T__		2613.1	21.70	a_e Ms	6.0
GTTG	156.43		PKPdf	07:36:32.378	-0.0	21.6		1.18		TAS				m_e	
GTTG	156.43		PKPab	07:37:00.099	0.3	19.0		4.40		TAS				m_e	
IBBN	155.99		PKPdf	07:36:31.839	0.0	21.6		1.18		TAS				m_e	
IBBN	155.99		PKPab	07:36:58.405	-0.2	19.0		4.40		TAS				m_e	
KAST	157.00		PKPdf	07:36:33.302	0.0	21.6		1.18		TAS				m_e	
KAST	157.00		PKPab	07:37:01.956	0.5	19.0		4.40		TAS				m_e	
MOX	156.98		PKPdf	07:36:32.799	0.0	21.6		1.18		TAS				m_e	
MOX	156.98		PKPab	07:37:02.065	0.1	19.0		4.40		TAS				m_e	
MOX	156.98		L	08:48:01.850						T__		2282.0	21.40	a_e Ms	6.0
NEUB	156.43		PKPdf	07:36:32.262	0.2	21.6		1.18		TAS				m_e	
NEUB	156.43		PKPab	07:36:59.465	0.3	19.0		4.40		TAS				m_e	
PLN	157.01		PKPdf	07:36:32.872	-0.3	21.6		1.18		TAS				m_e	
PLN	157.01		PKPab	07:37:02.405	-0.4	19.0		4.40		TAS				m_e	
RETH	155.37		PKPdf	07:36:31.185	0.3	21.6		1.18		TAS				m_e	

RETH	155.37	PKPab	07:36:55.447	-0.2	19.0	4.40	TAS	m_e
STU	159.24	PKPab	07:37:12.188		19.0	4.40	TAS	m_e
TANN	157.01	PKPdf	07:36:33.121	0.3	21.6	1.18	TAS	m_e
TANN	157.01	PKPab	07:37:02.488	0.1	19.0	4.40	TAS	m_e
TNS	157.95	PKPdf	07:36:34.562	-0.2	21.6	1.18	TAS	m_e
TNS	157.95	PKPab	07:37:06.543		19.0	4.40	TAS	m_e
UBR	160.11	PKPdf	07:36:36.343		21.6	1.18	TAS	m_e
UBR	160.11	PKPab	07:37:15.898		19.0	4.40	TAS	m_e
WET	158.08	PKPdf	07:36:34.207		21.6	1.18	TAS	m_e
WET	158.08	PKPab	07:37:07.379		19.0	4.40	TAS	m_e
WLF	158.76	PKPdf	07:36:35.745		21.6	1.18	TAS	m_e
WLF	158.76	PKPab	07:37:10.878		19.0	4.40	TAS	m_e

Event 10306008 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	07:20:29.90			-28.5800	-178.2200				10.0					157.65	157.65	m i ke	NEIC
OrigID 10306103																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	157.65		PKPab	07:41:00.887		22.4		3.84		TAS					m_e

Event 10306009 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	10:34:47.70			-28.3500	-177.7400				10.0			10		154.99	159.42	m i ke	NEIC
OrigID 10306104																	

Magnitude Err Nsta Author OrigID

Ms	6.0		BGR	10306015
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	155.35		PKPab	10:55:08.306	0.2	20.4		4.53		TAS					m_e
BFO	159.42		PKPab	10:55:27.058		20.4		4.53		TAS					m_e
BRG	155.77		PKPdf	10:54:44.401		13.8		0.95		TAS					m_e
BRG	155.77		PKPab	10:55:10.251	-0.5	20.4		4.53		TAS					m_e
CLL	155.62		PKPdf	10:54:44.126	0.0	13.8		0.95		TAS					m_e
CLL	155.62		PKPab	10:55:09.645	-0.2	20.4		4.53		TAS					m_e
CLZ	155.68		PKPdf	10:54:44.533		13.8		0.95		TAS					m_e
CLZ	155.68		PKPab	10:55:10.265	-0.0	20.4		4.53		TAS					m_e
GEC2	157.66		PKPdf	10:54:46.636		13.8		0.95		TAS					m_e

Event 10306012 Kermadec Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/06 12:21:04.40 -28.2600 -177.7200 10.0 157.46 157.46 m i ke EMSC
 10306044

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	157.46		PKPab	12:41:33.001		21.0		3.79		TAS					m_e

Event 10306014 Kermadec Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/06 13:03:47.10 -28.2500 -177.8400 10.0 157.42 157.42 m i ke EMSC
 10306046

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	157.42		PKPab	13:24:15.277		21.3		3.94		TAS					m_e

Event 10306013 Kermadec Islands region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/06 13:12:05.60 -28.2500 -177.6800 10.0 18 154.97 159.60 m i ke EMSC
 10306045

Magnitude Err Nsta Author OrigID
 Ms 6.1 BGR 10306019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	159.34		PKPab	13:32:42.040		18.0		4.39		TAS					m_e
BRG	155.69		PKPdf	13:31:59.283	0.1	22.1		1.29		TAS					m_e
BRG	155.69		PKPab	13:32:26.359	0.2	18.0		4.39		TAS					m_e
BUG	156.46		PKPdf	13:32:00.266	-0.0	22.1		1.29		TAS					m_e
BUG	156.46		PKPab	13:32:29.447	0.3	18.0		4.39		TAS					m_e
CLL	155.53		PKPdf	13:31:58.956	0.1	22.1		1.29		TAS					m_e
CLL	155.53		PKPab	13:32:25.536	0.0	18.0		4.39		TAS					m_e
CLZ	155.59		PKPdf	13:31:59.450	-0.0	22.1		1.29		TAS					m_e
CLZ	155.59		PKPab	13:32:26.199	-0.1	18.0		4.39		TAS					m_e
FLT1	154.97		PKPdf	13:31:58.340	0.2	22.1		1.29		TAS					m_e

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Wed Jan 11 09:16:10 2023

22

FLT1	154.97	PKPab	13:32:22.803	-0.1	18.0	4.39	TAS										m_e
FUR	158.87	PKPab	13:32:40.462		18.0	4.39	TAS										m_e
GEC2	157.58	PKPpdf	13:32:01.670		22.1	1.29	TAS										m_e
GEC2	157.58	PKPab	13:32:34.930		18.0	4.39	TAS										m_e
GRA1	157.46	PKPpdf	13:32:01.388		22.1	1.29	TAS										m_e
GRA1	157.46	PKPab	13:32:34.562		18.0	4.39	TAS										m_e
GRA1	157.46	L	14:46:47.451				T__	3709.5	21.60	a_e	Ms						6.2
GTTG	155.95	PKPpdf	13:31:59.970	0.0	22.1	1.29	TAS										m_e
GTTG	155.95	PKPab	13:32:27.676	0.0	18.0	4.39	TAS										m_e
IBBN	155.55	PKPpdf	13:31:59.326	0.1	22.1	1.29	TAS										m_e
IBBN	155.55	PKPab	13:32:25.907	-0.1	18.0	4.39	TAS										m_e
KAST	156.54	PKPpdf	13:32:00.683		22.1	1.29	TAS										m_e
KAST	156.54	PKPab	13:32:29.882	0.0	18.0	4.39	TAS										m_e
KAST	156.54	PP	13:36:08.249		20.1	4.77	TAS										m_e
MOX	156.47	PKPpdf	13:32:00.437	-0.1	22.1	1.29	TAS										m_e
MOX	156.47	PKPab	13:32:29.676	-0.3	18.0	4.39	TAS										m_e
MOX	156.47	PP	13:36:06.293		20.1	4.77	TAS										m_e
MOX	156.47	L	14:45:58.179				T__	2105.6	21.40	a_e	Ms						5.9
NEUB	155.93	PKPpdf	13:31:59.647	-0.2	22.1	1.29	TAS										m_e
NEUB	155.93	PKPab	13:32:27.221	0.5	18.0	4.39	TAS										m_e
PLN	156.50	PKPpdf	13:32:00.320	0.0	22.1	1.29	TAS										m_e
PLN	156.50	PKPab	13:32:29.954	-0.2	18.0	4.39	TAS										m_e
PLN	156.50	PP	13:36:06.774		20.1	4.77	TAS										m_e
STU	158.75	PKPpdf	13:32:03.348		22.1	1.29	TAS										m_e
TANN	156.49	PKPpdf	13:32:00.473	0.1	22.1	1.29	TAS										m_e
TANN	156.49	PKPab	13:32:30.240	0.1	18.0	4.39	TAS										m_e
TANN	156.49	PP	13:36:06.594		20.1	4.77	TAS										m_e
TNS	157.48	PKPpdf	13:32:01.793		22.1	1.29	TAS										m_e
TNS	157.48	PKPab	13:32:34.150	-0.0	18.0	4.39	TAS										m_e
UBR	159.60	PKPab	13:32:43.439		18.0	4.39	TAS										m_e
WET	157.54	PKPpdf	13:32:01.670		22.1	1.29	TAS										m_e
WET	157.54	PKPab	13:32:35.045		18.0	4.39	TAS										m_e
WLF	158.33	PKPpdf	13:32:03.175		22.1	1.29	TAS										m_e
WLF	158.33	PKPab	13:32:38.219		18.0	4.39	TAS										m_e

Event 10306015 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	14:01:48.74			43.9410	143.1230				200.0					77.63	77.63	m i ke	BGR
10306021																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10306021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.63		P	14:13:21.648		33.6		4.72		TAS		11.3	0.85	m_e mb	5.0

Event 10306017 Gabon

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	17:08:56.36			-1.1100	10.6700				10.2	0.8		21		48.62	53.30	m i ke	BGR
OrigID 10306023																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10306023

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	49.31		P	17:17:45.371		180.2		7.53		TAS		26.9	0.66	m_e mb	5.4
BRG	51.89		P	17:18:05.221	0.4	180.2		7.53		TAS		10.5	0.78	a_e mb	4.8
BRG	51.89		pP	17:18:08.041		180.1		7.33		TAS				m_e	
BUG	52.46		P	17:18:09.121	-0.1	180.2		7.53		TAS		8.1	0.82	a_e mb	4.7
CLL	52.28		P	17:18:07.621	-0.1	180.2		7.53		TAS		7.6	0.91	a_e mb	4.6
CLL	52.28		pP	17:18:10.372		180.1		7.33		TAS				m_e	
CLZ	52.78		P	17:18:11.371	-0.2	180.2		7.53		TAS		7.6	0.88	a_e mb	4.6
CLZ	52.78		pP	17:18:13.922		180.1		7.33		TAS				m_e	
FLT1	53.27		P	17:18:14.771	0.1	180.2		7.53		TAS		10.1	0.88	a_e mb	4.8
FLT1	53.27		pP	17:18:17.404		180.1		7.33		TAS				m_e	
FUR	49.10		P	17:17:43.847		180.2		7.53		TAS		20.4	0.64	m_e mb	5.3
GEC2	49.85		P	17:17:49.771		180.2		7.53		TAS		8.2	0.83	a_e mb	4.7
GRA1	50.63		P	17:17:55.521		180.2		7.53		TAS		25.4	0.73	a_e mb	5.2
GRA1	50.63		pP	17:17:58.389	0.1	180.1		7.33		TAS				m_e	
GTTG	52.49		P	17:18:09.721	-0.3	180.2		7.53		TAS		16.7	0.73	a_e mb	5.1
GTTG	52.49		pP	17:18:12.618		180.1		7.33		TAS				m_e	
IBBN	53.30		P	17:18:15.621	0.1	180.2		7.53		TAS		22.5	0.77	a_e mb	5.2
KAST	52.17		P	17:18:07.121	0.5	180.2		7.53		TAS		7.1	0.86	a_e mb	4.6
KAST	52.17		pP	17:18:09.933		180.1		7.33		TAS				m_e	
MOX	51.59		P	17:18:02.471	0.4	180.2		7.53		TAS		12.2	0.73	a_e mb	4.9
NEUB	52.14		P	17:18:06.871	0.1	180.2		7.53		TAS		14.3	0.89	a_e mb	4.9
NEUB	52.14		pP	17:18:09.710		180.1		7.33		TAS				m_e	
PLN	51.44		P	17:18:01.171	0.1	180.2		7.53		TAS		2.9	0.83	a_e mb	4.2
STU	49.72		P	17:17:48.771		180.2		7.53		TAS		31.9	0.72	a_e mb	5.3
STU	49.72		pP	17:17:51.561	0.3	180.1		7.33		TAS				m_e	
TANN	51.37		P	17:18:00.932	-0.1	180.2		7.53		TAS		4.8	0.72	m_e mb	4.5
TNS	51.20		P	17:17:59.571	-0.1	180.2		7.53		TAS		36.2	0.72	a_e mb	5.4
UBR	48.62		P	17:17:39.541		180.2		7.53		TAS		28.5	0.78	m_e mb	5.4
WET	50.12		P	17:17:51.821		180.2		7.53		TAS		24.6	0.81	a_e mb	5.2
WET	50.12		pP	17:17:54.434	0.1	180.1		7.33		TAS				m_e	
WLF	50.75		P	17:17:56.521	-0.8	180.2		7.53		TAS		36.1	0.82	a_e mb	5.3
WLF	50.75		pP	17:17:59.379	-0.1	180.1		7.33		TAS				m_e	

Event 10306018 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	17:13:13.60			-30.2000	-176.9100				10.0				7	159.51	159.51	m i ke	NEIC
OrigID 10306113																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.51		PKPab	17:33:51.147		23.7		3.87		TAS					m_e

Event 10306019 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	17:33:02.00			-28.4300	-176.3900				33.0					157.91	157.91	m i ke	EMSC
OrigID 10306051																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	157.91		PKPab	17:53:28.670		18.1		4.06		TAS					m_e

Event 10306020 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	18:18:34.20			21.1000	144.4700				14.0					98.16	98.16	m i ke	NEIC
OrigID 10306115																	

Magnitude Err Nsta Author OrigID

Ms 5.1 BGR 10306026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	98.16		Pdiff	18:32:09.998		50.6		4.15		TAS					m_e
GRA1	98.16		PP	18:36:10.463						T__					m_e
GRA1	98.16		L	19:52:08.030						T__		618.1	18.50	a_e Ms	5.1

Event 10306021 Bonin Islands, Japan, region

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

./bul2103.txt

Wed Jan 11 09:16:10 2023

25

2021/03/06 18:31:35.40 27.9800 142.6700 10.0 91.36 91.36 m i ke NEIC
10306116

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 91.36 P 18:44:41.984 47.4 4.12 TAS m_e

Event 10306022 Southeast of Loyalty Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/06 18:47:11.86 -22.8200 172.6800 33.0 16 146.21 149.42 m i ke BGR
10306028

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
BRG 147.43 PKPbc 19:06:52.017 -0.2 34.1 2.76 TAS m_e
CLL 147.44 PKPbc 19:06:51.920 0.2 34.1 2.76 TAS m_e
CLZ 147.91 PKPbc 19:06:53.650 0.0 34.1 2.76 TAS m_e
FLT1 147.22 PKPbc 19:06:51.156 -0.1 34.1 2.76 TAS m_e
GEC2 149.11 PKPbc 19:06:56.546 34.1 2.76 TAS m_e
GRA1 149.42 PKPbc 19:06:57.384 34.1 2.76 TAS m_e
GTTG 148.30 PKPbc 19:06:54.684 -0.1 34.1 2.76 TAS m_e
IBBN 148.30 PKPbc 19:06:54.438 -0.0 34.1 2.76 TAS m_e
KAST 149.08 PKPbc 19:06:56.550 -0.0 34.1 2.76 TAS m_e
MOX 148.49 PKPbc 19:06:54.797 34.1 2.76 TAS m_e
NEUB 147.98 PKPbc 19:06:53.585 -0.1 34.1 2.76 TAS m_e
PLN 148.42 PKPbc 19:06:54.785 34.1 2.76 TAS m_e
RETH 147.46 PKPbc 19:06:52.010 0.3 34.1 2.76 TAS m_e
RUE 146.21 PKPbc 19:06:48.489 0.3 34.1 2.76 TAS m_e
TANN 148.36 PKPbc 19:06:54.694 34.1 2.76 TAS m_e
WET 149.21 PKPbc 19:06:56.897 34.1 2.76 TAS m_e

Event 10306023 Greece

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2021/03/06 19:47:40.45 0.73 1.36 39.5080 22.1250 44.5 13.3 51 10.0 15 346 8.92 13.27 m i ke BGR
10306029

Magnitude Err Nsta Author OrigID

ML 4.3 BGR 10306029

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.01		PKPab	22:08:10.209		18.4		4.07		TAS					m_e

Event 10306026 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/06	23:08:07.00			-29.3000	-176.7100				10.0					158.69	158.69	m i ke	NEIC
OrigID 10306121																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.69		PKPab	23:28:42.437		19.4		4.02		TAS					m_e

Event 10307001 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	00:40:10.90			-37.1700	-179.9200				10.0					164.98	165.08	m i ke	EMSC
OrigID 10307033																	

Magnitude Err Nsta Author OrigID

Ms	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
5.8			BGR												
10307007															
GRA1	165.08		L	02:14:56.547						T__		1394.3	21.40	a_e Ms	5.8
GRA3	164.98		PKP	01:01:11.817		36.9		4.15		TAS					m_e

Event 10307003 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	01:55:09.80			-28.5800	-176.5500				10.0					158.02	158.02	m i ke	EMSC
OrigID 10307035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.02		PKP	02:15:39.614		18.6		3.93		TAS					m_e

Event 10307002 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	02:01:30.10			64.2400	-21.5600				13.6			14		20.57	23.86	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10307008
Ms	4.5		BGR	10307008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	20.57		P	02:06:09.541	0.3	323.2		10.43		TAS		49.2	1.31	m_e mb	4.7
BFO	22.65		P	02:06:31.274		323.2		10.43		TAS		54.5	1.26	m_e mb	4.9
BFO	22.65		pP	02:06:34.454						T__				m_e	
BRG	22.86		P	02:06:33.096		323.2		10.43		TAS		35.9	1.08	m_e mb	4.8
CLZ	20.66		P	02:06:10.840	0.4	323.2		10.43		TAS		90.9	1.68	m_e mb	4.8
FLT1	20.65		P	02:06:09.084	-1.3	323.2		10.43		TAS		12.0	0.81	m_e mb	4.3
GRA1	22.67		P	02:06:30.535		323.2		10.43		TAS		45.7	1.28	m_e mb	4.8
GRA1	22.67		L	02:14:56.538						T__	1394.4	21.40	a_e Ms	4.4	
GTTG	20.72		P	02:06:11.894	0.7	323.2		10.43		TAS		72.8	1.29	m_e mb	4.8
MOX	22.08		P	02:06:25.429		323.2		10.43		TAS		25.4	0.99	m_e mb	4.6
MOX	22.08		L	02:15:44.463						T__	2896.2	18.30	a_e Ms	4.7	
PLN	22.42		P	02:06:28.954		323.2		10.43		TAS		8.1	0.88	m_e mb	4.2
STU	22.61		P	02:06:31.293		323.2		10.43		TAS		73.5	0.96	m_e mb	5.2
TNS	21.16		P	02:06:15.353	0.1	323.2		10.43		TAS		26.7	0.89	m_e mb	4.6
UBR	23.86		P	02:06:43.988		323.2		10.43		TAS		42.3	1.03	m_e mb	4.9
WET	23.76		P	02:06:42.921		323.2		10.43		TAS		26.9	1.04	m_e mb	4.7
WLF	20.73		P	02:06:10.585	-0.2	323.2		10.43		TAS		20.9	1.13	m_e mb	4.4

Event 10307004 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	03:26:16.60			-28.4800	-177.1600				10.0					157.80	157.80	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	157.80		PKPab	03:46:45.518		19.9		3.99		TAS				m_e	

Event 10307005 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	04:10:26.90			-29.2200	-176.5400				10.0					158.64	158.64	m i ke	NEIC
OrigID 10307100																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.64		PKPab	04:30:59.517		19.0		4.00		TAS					m_e

Event 10307006 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	04:54:00.20			-37.1800	179.6400				10.0				20	162.74	167.12	m i ke	NEIC
OrigID 10307101																	

Magnitude Err Nsta Author OrigID

Ms 5.5 BGR 10307012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	163.10		PKPab	05:14:51.240	-0.2	38.1		4.43		TAS					m_e
BFO	167.12		PKPab	05:15:09.091		38.1		4.43		TAS					m_e
BRG	162.89		PKPab	05:14:50.121	0.0	38.1		4.43		TAS					m_e
CLL	162.94		PKPab	05:14:50.277	0.0	38.1		4.43		TAS					m_e
CLZ	163.44		PKPab	05:14:53.165	0.2	38.1		4.43		TAS					m_e
FLT1	162.74		PKPab	05:14:49.340	0.2	38.1		4.43		TAS					m_e
FUR	166.07		PKPab	05:15:04.797		38.1		4.43		TAS					m_e
GEC2	164.47		PKPab	05:14:57.225		38.1		4.43		TAS					m_e
GRA1	164.91		PKPab	05:14:59.723		38.1		4.43		TAS					m_e
GRA1	164.91		L	06:34:50.643						T__		623.7	21.90	a_e Ms	5.4
GTTG	163.82		PKPab	05:14:54.727	0.3	38.1		4.43		TAS					m_e
KAST	164.59		PKPab	05:14:57.849	-0.4	38.1		4.43		TAS					m_e
MOX	164.00		PKPab	05:14:55.351	-0.7	38.1		4.43		TAS					m_e
MOX	164.00		L	06:24:31.768						T__		742.5	19.20	a_e Ms	5.6
NEUB	163.50		PKPab	05:14:53.087	0.5	38.1		4.43		TAS					m_e
PLN	163.92		PKPab	05:14:55.117	0.3	38.1		4.43		TAS					m_e
STU	166.44		PKPab	05:15:06.280		38.1		4.43		TAS					m_e
TANN	163.85		PKPab	05:14:54.578	0.1	38.1		4.43		TAS					m_e
TNS	165.45		PKPab	05:15:01.830	0.2	38.1		4.43		TAS					m_e
UBR	166.95		PKPab	05:15:08.022		38.1		4.43		TAS					m_e
WET	164.63		PKPab	05:14:58.318		38.1		4.43		TAS					m_e
WLF	166.59		PKPab	05:15:07.061	-0.3	38.1		4.43		TAS					m_e

Event 10307007 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	07:56:20.30			-32.4300	-178.1200				10.0			19		158.91	163.47	m i ke	NEIC
OrigID 10307102																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	10307013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	163.31		PKPab	08:17:14.359		25.5		4.50		TAS				m_e	
BRG	159.48		PKPab	08:16:57.883	-0.7	25.5		4.50		TAS				m_e	
CLL	159.38		PKPab	08:16:57.161	-0.5	25.5		4.50		TAS				m_e	
FLT1	158.91		PKPab	08:16:54.864	-0.1	25.5		4.50		TAS				m_e	
FUR	162.69		PKPab	08:17:12.348		25.5		4.50		TAS				m_e	
GEC2	161.30		PKPab	08:17:05.930		25.5		4.50		TAS				m_e	
GRA1	161.34		PKPab	08:17:06.665		25.5		4.50		TAS				m_e	
GRA1	161.34		L	09:35:09.207						T__		1692.5	18.40	a_e Ms	5.9
GTTG	159.93		PKPab	08:16:59.906	0.1	25.5		4.50		TAS				m_e	
IBBN	159.60		PKPab	08:16:58.100	0.1	25.5		4.50		TAS				m_e	
KAST	160.56		PKPab	08:17:02.056	0.7	25.5		4.50		TAS				m_e	
MOX	160.36		PKPab	08:17:01.473	1.0	25.5		4.50		TAS				m_e	
MOX	160.36		L	09:42:21.263						T__		1479.5	18.30	a_e Ms	5.9
NEUB	159.82		PKPab	08:16:59.114	-0.1	25.5		4.50		TAS				m_e	
PLN	160.36		PKPab	08:17:01.599	-0.3	25.5		4.50		TAS				m_e	
STU	162.70		PKPab	08:17:12.884		25.5		4.50		TAS				m_e	
TANN	160.33		PKPab	08:17:01.687	0.1	25.5		4.50		TAS				m_e	
TNS	161.49		PKPab	08:17:06.416	-0.1	25.5		4.50		TAS				m_e	
UBR	163.47		PKPab	08:17:15.517		25.5		4.50		TAS				m_e	
WET	161.32		PKPab	08:17:06.249		25.5		4.50		TAS				m_e	
WLF	162.41		PKPab	08:17:10.482		25.5		4.50		TAS				m_e	

Event 10307008 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	08:19:27.20			-37.3900	179.7500				10.0					165.14	165.14	m i ke	NEIC
OrigID 10307103																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.14		PKPab	08:40:28.962		38.3		3.98		TAS				m_e	

Event 10307009 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	11:19:23.20			-32.6800	-178.2700				35.0				18	159.12	163.66	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
BFO	163.52		PKPab	11:40:13.339		26.1		4.46		TAS					m_e
BRG	159.66		PKPab	11:39:56.677	-0.8	26.1		4.46		TAS					m_e
CLL	159.57		PKPab	11:39:55.971	-0.5	26.1		4.46		TAS					m_e
CLZ	159.77		PKPab	11:39:57.324	0.2	26.1		4.46		TAS					m_e
FLT1	159.12		PKPab	11:39:53.591	-0.1	26.1		4.46		TAS					m_e
FUR	162.88		PKPab	11:40:11.241		26.1		4.46		TAS					m_e
GEC2	161.47		PKPab	11:40:04.444		26.1		4.46		TAS					m_e
GRA1	161.53		PKPab	11:40:05.294		26.1		4.46		TAS					m_e
GTTG	160.14		PKPab	11:39:58.531	0.2	26.1		4.46		TAS					m_e
IBBN	159.82		PKPab	11:39:57.164	0.0	26.1		4.46		TAS					m_e
MOX	160.56		PKPab	11:40:00.500	-0.3	26.1		4.46		TAS					m_e
NEUB	160.02		PKPab	11:39:57.990	-0.0	26.1		4.46		TAS					m_e
PLN	160.55		PKPab	11:40:00.669	0.3	26.1		4.46		TAS					m_e
TANN	160.52		PKPab	11:40:00.575	-0.0	26.1		4.46		TAS					m_e
TNS	161.70		PKPab	11:40:06.442		26.1		4.46		TAS					m_e
UBR	163.66		PKPab	11:40:14.309		26.1		4.46		TAS					m_e
WET	161.50		PKPab	11:40:05.010		26.1		4.46		TAS					m_e
WLF	162.63		PKPab	11:40:09.792		26.1		4.46		TAS					m_e

Event 10307010 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	14:48:11.40			-28.8300	-176.3100				10.0				21	154.40	160.12	m i ke	EMSC

Magnitude Err Nsta Author OrigID
Ms 5.3 BGR 10307016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	160.12		PKPab	15:08:51.044		18.2		4.30		TAS					m_e
BRG	156.59		PKPab	15:08:36.779	0.1	18.2		4.30		TAS					m_e
BUG	157.17		PKPab	15:08:39.077	-0.3	18.2		4.30		TAS					m_e
CLL	156.41		PKPab	15:08:35.565	-0.1	18.2		4.30		TAS					m_e
CLZ	156.40		PKPab	15:08:36.171	-0.1	18.2		4.30		TAS					m_e
FLT1	155.78		PKPab	15:08:32.952	-0.4	18.2		4.30		TAS					m_e

FUR	159.75	PKPab	15:08:50.955		18.2	4.30	TAS										m_e
GEC2	158.52	PKPab	15:08:45.335		18.2	4.30	TAS										m_e
GRA1	158.31	PKPab	15:08:44.645	0.6	18.2	4.30	TAS										m_e
GRA1	158.31	L	16:21:53.193				T__				494.7	19.00	a_e	Ms		5.4	
GTTG	156.75	PKPab	15:08:37.688	-0.1	18.2	4.30	TAS										m_e
HLG	154.40	PKPab	15:08:27.704	0.1	18.2	4.30	TAS										m_e
IBBN	156.27	PKPab	15:08:35.474	0.4	18.2	4.30	TAS										m_e
KAST	157.29	PKPab	15:08:39.685	0.0	18.2	4.30	TAS										m_e
MOX	157.32	PKPab	15:08:39.803	0.2	18.2	4.30	TAS										m_e
MOX	157.32	L	16:29:43.769				T__				373.0	18.10	a_e	Ms		5.3	
NEUB	156.77	PKPab	15:08:37.361	0.1	18.2	4.30	TAS										m_e
PLN	157.37	PKPab	15:08:40.116	0.5	18.2	4.30	TAS										m_e
RETH	155.67	PKPab	15:08:32.899	0.4	18.2	4.30	TAS										m_e
TANN	157.37	PKPab	15:08:40.274	0.3	18.2	4.30	TAS										m_e
TNS	158.25	PKPab	15:08:44.009	-0.3	18.2	4.30	TAS										m_e
WET	158.45	PKPab	15:08:45.335		18.2	4.30	TAS										m_e
WLF	159.02	PKPab	15:08:47.775	-0.8	18.2	4.30	TAS										m_e

Event 10307011 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	16:50:37.01			-22.4800	-178.1800				332.4	6.8		25		147.86	153.91	m i ke	BGR
10307017																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.54		PKPbc	17:09:47.102	0.2	16.5		2.35		TAS					a_e
BFO	153.60		PKPbc	17:09:56.302	-0.3	16.5		2.35		TAS					a_e
BFO	153.60		pPKPbc	17:11:18.503						T__					m_e
BRG	150.05		PKPbc	17:09:48.502	0.2	16.5		2.35		TAS					m_e
BSEG	147.86		PKPbc	17:09:42.758	-0.1	16.5		2.35		TAS					m_e
BUG	150.69		PKPbc	17:09:49.652	0.1	16.5		2.35		TAS					a_e
CLL	149.86		PKPbc	17:09:47.891	0.1	16.5		2.35		TAS					m_e
CLZ	149.87		PKPbc	17:09:48.202	-0.2	16.5		2.35		TAS					a_e
FLT1	149.25		PKPbc	17:09:46.103	0.4	16.5		2.35		TAS					m_e
FUR	153.20		PKPbc	17:09:55.596		16.5		2.35		TAS					m_e
GEC2	151.97		PKPbc	17:09:52.956	-0.3	16.5		2.35		TAS					m_e
GOR1	148.61		PKPbc	17:09:44.771	-0.1	16.5		2.35		TAS					m_e
GRA1	151.77		PKPbc	17:09:52.637	-0.2	16.5		2.35		TAS					m_e
GTTG	150.22		PKPbc	17:09:48.852	-0.0	16.5		2.35		TAS					a_e
IBBN	149.79		PKPbc	17:09:47.652	0.0	16.5		2.35		TAS					m_e
KAST	150.79		PKPbc	17:09:50.166	0.0	16.5		2.35		TAS					m_e
MOX	150.78		PKPbc	17:09:50.152	0.2	16.5		2.35		TAS					a_e
MOX	150.78		pPKPbc	17:11:12.943						T__					m_e
NEUB	150.23		PKPbc	17:09:48.866	0.1	16.5		2.35		TAS					m_e

NEUB	150.23	pPKPbc	17:11:09.480							T__							m_e
PLN	150.82	PKPbc	17:09:50.342	0.2	16.5				2.35	TAS							m_e
RETH	149.16	PKPbc	17:09:46.102	-0.3	16.5				2.35	TAS							a_e
STU	153.03	PKPbc	17:09:55.398	-0.2	16.5				2.35	TAS							m_e
STU	153.03	pPKPbc	17:11:18.392							T__							m_e
TANN	150.82	PKPbc	17:09:50.379	0.3	16.5				2.35	TAS							m_e
TNS	151.74	PKPbc	17:09:52.438	0.3	16.5				2.35	TAS							m_e
UBR	153.91	PKPbc	17:09:57.054		16.5				2.35	TAS							m_e
WET	151.91	PKPbc	17:09:52.816	0.1	16.5				2.35	TAS							m_e
WLF	152.57	PKPbc	17:09:54.702	-0.0	16.5				2.35	TAS							a_e

Event 10307012 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	19:28:47.30			-28.6300	-176.9700				10.0			22		155.38	159.82	m i ke	EMSC
10307044																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	10307018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	155.77		PKPab	19:49:09.183	-0.3	19.6		4.38		TAS					m_e
BFO	159.82		PKPab	19:49:26.615		19.6		4.38		TAS					m_e
BRG	156.24		PKPab	19:49:11.165	-0.1	19.6		4.38		TAS					m_e
BUG	156.91		PKPab	19:49:13.683	-0.3	19.6		4.38		TAS					m_e
CLL	156.07		PKPab	19:49:10.149	-0.1	19.6		4.38		TAS					m_e
CLZ	156.09		PKPab	19:49:10.807	-0.2	19.6		4.38		TAS					m_e
FLT1	155.47		PKPab	19:49:07.546	-0.6	19.6		4.38		TAS					m_e
FUR	159.41		PKPab	19:49:25.302		19.6		4.38		TAS					m_e
GEC2	158.14		PKPab	19:49:19.638		19.6		4.38		TAS					m_e
GRA1	157.98		PKPab	19:49:19.198	-0.1	19.6		4.38		TAS					m_e
GRA1	157.98		L	20:52:09.900						T__		206.5	21.50	a_e Ms	4.9
GTTG	156.45		PKPab	19:49:12.197	-0.1	19.6		4.38		TAS					m_e
IBBN	156.00		PKPab	19:49:10.243	0.2	19.6		4.38		TAS					m_e
KAST	157.01		PKPab	19:49:14.372	0.1	19.6		4.38		TAS					m_e
MOX	157.00		PKPab	19:49:14.326	0.1	19.6		4.38		TAS					m_e
MOX	157.00		L	20:48:15.988						T__		329.7	21.30	a_e Ms	5.1
NEUB	156.45		PKPab	19:49:11.867	0.2	19.6		4.38		TAS					m_e
PLN	157.03		PKPab	19:49:14.657	0.5	19.6		4.38		TAS					m_e
RETH	155.38		PKPab	19:49:07.615	0.4	19.6		4.38		TAS					m_e
STU	159.25		PKPab	19:49:24.235		19.6		4.38		TAS					m_e
TANN	157.03		PKPab	19:49:14.822	0.2	19.6		4.38		TAS					m_e
TNS	157.96		PKPab	19:49:18.620	-0.4	19.6		4.38		TAS					m_e
WET	158.09		PKPab	19:49:19.748	0.2	19.6		4.38		TAS					m_e
WLF	158.77		PKPab	19:49:22.770	-0.0	19.6		4.38		TAS					m_e

Event 10307014 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	21:18:24.40			-19.9000	-175.6600				249.9				25	145.63	151.81	m i ke	BGR
OrigID 10307020																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.37		PKPbc	21:37:37.994	0.3	11.3		2.62		TAS					m_e
BFO	151.36		PKPbc	21:37:48.125	-0.5	11.3		2.62		TAS					a_e
BRG	148.09		PKPbc	21:37:40.147	0.2	11.3		2.62		TAS					m_e
BSEG	145.63		PKPbc	21:37:32.833	-0.1	11.3		2.62		TAS					m_e
BUG	148.35		PKPbc	21:37:40.528	0.1	11.3		2.62		TAS					m_e
CLL	147.84		PKPbc	21:37:39.341	0.1	11.3		2.62		TAS					m_e
CLZ	147.68		PKPbc	21:37:39.198	-0.2	11.3		2.62		TAS					m_e
FLT1	147.10		PKPbc	21:37:37.038	0.4	11.3		2.62		TAS					m_e
FUR	151.16		PKPbc	21:37:47.785		11.3		2.62		TAS					m_e
GEC2	150.07		PKPbc	21:37:45.266	-0.4	11.3		2.62		TAS					m_e
GEC2	150.07		pPKPbc	21:38:48.306	0.1					T__					m_e
GOR1	146.45		PKPbc	21:37:35.524	-0.1	11.3		2.62		TAS					m_e
GRA1	149.68		PKPbc	21:37:44.466	-0.1	11.3		2.62		TAS					m_e
GTTG	148.02		PKPbc	21:37:39.983	0.0	11.3		2.62		TAS					m_e
IBBN	147.46		PKPbc	21:37:38.292	-0.0	11.3		2.62		TAS					m_e
KAST	148.51		PKPbc	21:37:41.174	0.1	11.3		2.62		TAS					m_e
MOX	148.70		PKPbc	21:37:41.698	0.2	11.3		2.62		TAS					m_e
NEUB	148.14		PKPbc	21:37:40.146	0.2	11.3		2.62		TAS					m_e
PLN	148.77		PKPbc	21:37:41.925	0.2	11.3		2.62		TAS					m_e
RETH	146.90		PKPbc	21:37:36.742	-0.3	11.3		2.62		TAS					m_e
STU	150.84		PKPbc	21:37:47.041	-0.2	11.3		2.62		TAS					m_e
TANN	148.79		PKPbc	21:37:42.060	0.5	11.3		2.62		TAS					m_e
TNS	149.47		PKPbc	21:37:43.766	0.4	11.3		2.62		TAS					m_e
UBR	151.81		PKPbc	21:37:49.138		11.3		2.62		TAS					m_e
WET	149.94		PKPbc	21:37:44.949	-0.1	11.3		2.62		TAS					m_e
WLF	150.17		PKPbc	21:37:46.028	0.0	11.3		2.62		TAS					m_e

Event 10307015 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	22:51:39.70			-37.8500	179.6400				10.0					165.49	165.49	m i ke	EMSC
OrigID 10307047																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.49		PKPab	23:12:41.697		39.5		4.04		TAS					m_e

Event 10307016 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	23:33:47.60			-29.9300	-177.4500				10.0					159.13	159.13	m i ke	EMSC
OrigID 10307048																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.13		PKP	23:54:18.453		21.6		3.83		TAS					m_e

Event 10308001 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/07	23:56:55.60			-29.8100	-176.9300				10.0				21	155.25	161.27	m i ke	EMSC
OrigID 10308033																	

Magnitude Err Nsta Author OrigID
Ms 5.8 BGR 10308007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	160.99		PKPdf	00:16:57.771		20.4		1.22		TAS					m_e
BFO	160.99		PKPab	00:17:40.202		16.3		4.35		TAS					m_e
BRG	157.37		PKPdf	00:16:53.746	0.1	20.4		1.22		TAS					m_e
BSEG	155.25		PKPdf	00:16:51.053	-0.5	20.4		1.22		TAS					m_e
BSEG	155.25		PKPab	00:17:15.599	0.1	16.3		4.35		TAS					m_e
BUG	158.08		PKPdf	00:16:54.379	0.1	20.4		1.22		TAS					m_e
BUG	158.08		PKPab	00:17:27.462	0.0	16.3		4.35		TAS					m_e
CLL	157.21		PKPdf	00:16:53.435	0.0	20.4		1.22		TAS					m_e
CLZ	157.25		PKPdf	00:16:53.857	-0.0	20.4		1.22		TAS					m_e
FLT1	156.63		PKPdf	00:16:52.556	0.2	20.4		1.22		TAS					m_e
FLT1	156.63		PKPab	00:17:20.283	-0.4	16.3		4.35		TAS					m_e
FUR	160.54		PKPab	00:17:38.893		16.3		4.35		TAS					m_e
GEC2	159.26		PKPdf	00:16:55.840		20.4		1.22		TAS					m_e
GEC2	159.26		PKPab	00:17:33.300		16.3		4.35		TAS					m_e
GOR1	155.99		PKPdf	00:16:52.472	-0.2	20.4		1.22		TAS					m_e
GOR1	155.99		PKPab	00:17:19.107	-0.1	16.3		4.35		TAS					m_e
GRA1	159.13		PKPdf	00:16:55.829	-0.3	20.4		1.22		TAS					m_e
GRA1	159.13		PKPab	00:17:32.837	0.1	16.3		4.35		TAS					m_e

GRA1	159.13	L	01:33:51.333							T__	1405.6	20.30	a_e	Ms	5.8
GTTG	157.61	PKPdf	00:16:54.187	0.1	20.4	1.22				TAS			m_e		
GTTG	157.61	PKPab	00:17:25.764	-0.1	16.3	4.35				TAS			m_e		
IBBN	157.18	PKPdf	00:16:53.398	0.3	20.4	1.22				TAS			m_e		
IBBN	157.18	PKPab	00:17:23.786	0.2	16.3	4.35				TAS			m_e		
KAST	158.18	PKPdf	00:16:54.915	0.0	20.4	1.22				TAS			m_e		
KAST	158.18	PKPab	00:17:27.914	0.1	16.3	4.35				TAS			m_e		
MOX	158.15	PKPdf	00:16:54.594	0.5	20.4	1.22				TAS			m_e		
MOX	158.15	PKPab	00:17:28.032	0.1	16.3	4.35				TAS			m_e		
MOX	158.15	L	01:35:31.712							T__	1188.2	19.10	a_e	Ms	5.7
NEUB	157.60	PKPab	00:17:25.639	-0.0	16.3	4.35				TAS			m_e		
PLN	158.17	PKPdf	00:16:54.617	0.1	20.4	1.22				TAS			m_e		
PLN	158.17	PKPab	00:17:28.326	-0.5	16.3	4.35				TAS			m_e		
RETH	156.55	PKPdf	00:16:52.304	-0.2	20.4	1.22				TAS			m_e		
RETH	156.55	PKPab	00:17:21.092	-1.1	16.3	4.35				TAS			m_e		
STU	160.41	PKPdf	00:16:57.399		20.4	1.22				TAS			m_e		
STU	160.41	PKPab	00:17:37.820		16.3	4.35				TAS			m_e		
TANN	158.17	PKPdf	00:16:54.570	0.0	20.4	1.22				TAS			m_e		
TANN	158.17	PKPab	00:17:28.414	0.0	16.3	4.35				TAS			m_e		
TNS	159.13	PKPdf	00:16:56.022	-0.2	20.4	1.22				TAS			m_e		
TNS	159.13	PKPab	00:17:32.340	-0.1	16.3	4.35				TAS			m_e		
UBR	161.27	PKPab	00:17:41.805		16.3	4.35				TAS			m_e		
WET	159.23	PKPdf	00:16:55.944		20.4	1.22				TAS			m_e		
WET	159.23	PKPab	00:17:33.346		16.3	4.35				TAS			m_e		
WLF	159.95	PKPdf	00:16:57.605	0.0	20.4	1.22				TAS			m_e		
WLF	159.95	PKPab	00:17:36.022	0.2	16.3	4.35				TAS			m_e		

Event 10308004 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/08	23:30:02.22			39.1730	141.9290				73.6	3.4		22		78.23	83.53	m i ke	BGR
	10308010																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10308010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.56		P	23:41:59.426	0.4	36.5		5.30		TAS		8.7	1.16	m_e mb	4.6
BFO	83.53		P	23:42:20.446		36.5		5.30		TAS		26.7	1.24	m_e mb	5.3
BFO	83.53		pP	23:42:41.103		38.4		5.37		TAS				m_e	
BRG	79.32		P	23:41:58.105	0.2	36.5		5.30		TAS		12.0	1.27	m_e mb	4.8
BRG	79.32		pP	23:42:17.954	0.1	38.4		5.37		TAS				m_e	
BSEG	78.23		P	23:41:52.494	0.1	36.5		5.30		TAS		13.6	0.93	m_e mb	5.1
CLL	79.35		P	23:41:57.959	-0.1	36.5		5.30		TAS		15.2	1.10	m_e mb	4.9
CLL	79.35		pP	23:42:17.855	0.2	38.4		5.37		TAS				m_e	
CLZ	79.90		P	23:42:01.740	0.1	36.5		5.30		TAS		27.2	1.31	m_e mb	5.0

CLZ	79.90	pP	23:42:21.427		38.4	5.37	TAS											m_e	
FLT1	79.20	P	23:41:57.104	-0.4	36.5	5.30	TAS			12.9	0.95	m_e	mb						4.9
FLT1	79.20	pP	23:42:17.288	0.2	38.4	5.37	TAS											m_e	
FUR	82.53	P	23:42:15.444		36.5	5.30	TAS			27.5	1.19	m_e	mb						5.4
GEC2	81.01	P	23:42:07.062	0.6	36.5	5.30	TAS			6.3	1.13	m_e	mb						4.5
GOR1	78.64	P	23:41:54.736	-0.5	36.5	5.30	TAS			21.7	1.28	m_e	mb						5.0
GRA1	81.32	P	23:42:09.442	-0.2	36.5	5.30	TAS			27.8	1.27	m_e	mb						5.1
GRA1	81.32	pP	23:42:28.837		38.4	5.37	TAS											m_e	
IBBN	80.46	P	23:42:04.178	0.0	36.5	5.30	TAS			8.8	0.79	m_e	mb						4.8
KAST	81.13	P	23:42:07.853	0.2	36.5	5.30	TAS			16.1	1.47	m_e	mb						4.8
MOX	80.40	P	23:42:04.047	0.4	36.5	5.30	TAS			9.2	1.16	m_e	mb						4.7
NEUB	79.91	P	23:42:01.243	0.2	36.5	5.30	TAS			12.0	0.93	m_e	mb						4.8
NEUB	79.91	pP	23:42:21.292		38.4	5.37	TAS											m_e	
PLN	80.32	P	23:42:03.662	-0.1	36.5	5.30	TAS			4.9	1.40	m_e	mb						4.2
RETH	79.54	P	23:41:59.560	-0.1	36.5	5.30	TAS			15.5	1.34	m_e	mb						4.8
RETH	79.54	pP	23:42:19.246	-0.6	38.4	5.37	TAS											m_e	
STU	82.84	P	23:42:16.760		36.5	5.30	TAS			111.3	1.73	m_e	mb						5.8
TANN	80.26	P	23:42:03.440	0.0	36.5	5.30	TAS			262.8	4.45	m_e	mb						5.5
TNS	81.93	P	23:42:12.089	-0.2	36.5	5.30	TAS			29.6	1.94	m_e	mb						5.1
UBR	83.38	P	23:42:19.534		36.5	5.30	TAS			25.6	1.82	m_e	mb						5.2
UBR	83.38	pP	23:42:38.942		38.4	5.37	TAS											m_e	
WET	81.11	P	23:42:08.108	0.0	36.5	5.30	TAS			16.5	1.38	m_e	mb						4.9

Event 10309001 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/09	00:27:00.93			40.2300	138.3900				292.6	4.2		18		76.03	81.26	m i k e	BGR
10309007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10309007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	77.32		P	00:38:24.763	0.3	38.6		5.47		TAS		5.4	1.03	m_e	mb	4.6
ASSE	77.32		pP	00:39:31.764	0.1	38.7		5.61		TAS				m_e		
BFO	81.26		P	00:38:45.235		38.6		5.47		TAS		7.4	0.95	m_e	mb	4.7
BFO	81.26		pP	00:39:53.483		38.7		5.61		TAS				m_e		
BRG	77.00		P	00:38:22.229	0.0	38.6		5.47		TAS		5.3	0.79	m_e	mb	4.7
BRG	77.00		pP	00:39:29.883	0.7	38.7		5.61		TAS				m_e		
BSEG	76.03		P	00:38:17.194	-0.5	38.6		5.47		TAS		9.3	0.73	m_e	mb	5.0
BSEG	76.03		pP	00:39:24.823	-0.4	38.7		5.61		TAS				m_e		
CLL	77.05		P	00:38:22.255	-0.3	38.6		5.47		TAS		8.6	0.78	m_e	mb	4.9
CLL	77.05		pP	00:39:29.916	0.2	38.7		5.61		TAS				m_e		
CLZ	77.66		P	00:38:26.313	-0.1	38.6		5.47		TAS		7.7	0.92	m_e	mb	4.8
CLZ	77.66		pP	00:39:34.007	0.3	38.7		5.61		TAS				m_e		
FLT1	76.95		P	00:38:21.596	0.6	38.6		5.47		TAS		10.9	0.95	m_e	mb	5.0

FLT1	76.95	pP	00:39:29.390	-0.2	38.7	5.61	TAS											m_e
FUR	80.20	P	00:38:40.060		38.6	5.47	TAS	16.0	0.86	m_e	mb							5.0
FUR	80.20	pP	00:39:48.162		38.7	5.61	TAS											m_e
GEC2	78.66	P	00:38:31.293	0.2	38.6	5.47	TAS	2.6	0.74	m_e	mb							4.3
GEC2	78.66	pP	00:39:39.048		38.7	5.61	TAS											m_e
GRA1	79.02	P	00:38:33.949		38.6	5.47	TAS	16.7	0.99	m_e	mb							5.0
GRA1	79.02	pP	00:39:41.815		38.7	5.61	TAS											m_e
IBBN	78.26	P	00:38:29.223	0.0	38.6	5.47	TAS	8.0	0.69	m_e	mb							5.0
KAST	78.91	P	00:38:32.792		38.6	5.47	TAS	5.2	1.11	m_e	mb							4.5
KAST	78.91	pP	00:39:40.890		38.7	5.61	TAS											m_e
MOX	78.11	P	00:38:28.376	0.5	38.6	5.47	TAS	4.1	1.03	m_e	mb							4.5
MOX	78.11	pP	00:39:36.208	0.2	38.7	5.61	TAS											m_e
NEUB	77.63	P	00:38:25.556	-0.1	38.6	5.47	TAS	10.0	0.75	m_e	mb							5.0
NEUB	77.63	pP	00:39:34.319	-0.2	38.7	5.61	TAS											m_e
PLN	78.02	P	00:38:28.006	0.3	38.6	5.47	TAS	5.5	1.78	m_e	mb							4.4
PLN	78.02	pP	00:39:35.883	0.4	38.7	5.61	TAS											m_e
RETH	77.33	P	00:38:24.223	0.0	38.6	5.47	TAS	4.8	1.01	m_e	mb							4.6
TNS	79.68	P	00:38:37.096		38.6	5.47	TAS	5.0	0.89	m_e	mb							4.5
TNS	79.68	pP	00:39:45.343		38.7	5.61	TAS											m_e
WET	78.77	P	00:38:32.312	-0.5	38.6	5.47	TAS	5.2	1.07	m_e	mb							4.5
WET	78.77	pP	00:39:40.232		38.7	5.61	TAS											m_e

Event 10309004 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/09	04:30:29.35			33.9400	26.4000				33.0			22		17.63	22.99	m i ke	BGR
OrigID 10309010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10309010
Ms	3.6		BGR	10309010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	19.72		P	04:34:57.047	0.5	138.5		10.85		TAS		18.0	1.11	m_e	mb	4.2
BRG	19.21		P	04:34:51.550	0.6	138.5		10.85		TAS		2.5	0.76	m_e	mb	3.5
BSEG	22.99		P	04:35:32.725		138.5		10.85		TAS		12.3	0.66	m_e	mb	4.6
BUG	22.32		P	04:35:25.334	0.8	138.5		10.85		TAS		47.9	1.11	m_e	mb	4.8
CLL	19.90		P	04:34:58.945	0.2	138.5		10.85		TAS		15.7	1.08	m_e	mb	4.2
CLZ	21.31		P	04:35:14.095	-0.7	138.5		10.85		TAS		6.3	0.87	m_e	mb	4.0
FLT1	21.37		P	04:35:14.128	-0.8	138.5		10.85		TAS		13.7	0.81	m_e	mb	4.3
FUR	18.17		P	04:34:39.893	-0.9	138.5		10.85		TAS		79.7	1.28	m_e	mb	4.7
GEC2	17.63		P	04:34:34.462	-0.6	138.5		10.85		TAS		4.3	0.85	m_e	mb	3.6
GRA1	19.32		P	04:34:53.448	-0.1	138.5		10.85		TAS		95.2	1.60	m_e	mb	4.8
GRA1	19.32		L	04:43:46.933						T__		229.7	20.20	a_e	Ms	3.5
GTTG	21.24		P	04:35:14.005	-0.3	138.5		10.85		TAS		34.8	0.83	m_e	mb	4.7
KAST	21.64		P	04:35:18.068	0.8	138.5		10.85		TAS		28.1	1.07	m_e	mb	4.6

MOX	19.89	P	04:34:59.719	0.3	138.5	10.85	TAS	7.7	0.79	m_e	mb	4.0
MOX	19.89	L	04:44:01.505				T__	365.4	18.80	a_e	Ms	3.7
NEUB	20.26	P	04:35:04.668	1.4	138.5	10.85	TAS	15.2	0.81	m_e	mb	4.3
PLN	19.55	P	04:34:55.473	-0.2	138.5	10.85	TAS	15.9	1.63	m_e	mb	4.0
RETH	22.40	P	04:35:26.081		138.5	10.85	TAS	30.1	1.01	m_e	mb	4.7
STU	19.58	P	04:34:56.427	0.6	138.5	10.85	TAS	74.7	0.78	m_e	mb	5.0
TANN	19.37	P	04:34:54.474	0.8	138.5	10.85	TAS	33.7	1.11	m_e	mb	4.5
TNS	20.93	P	04:35:10.644	-0.2	138.5	10.85	TAS	29.8	1.17	m_e	mb	4.5
UBR	18.39	P	04:34:42.879	0.3	138.5	10.85	TAS	45.6	0.78	m_e	mb	4.7
WET	18.20	P	04:34:40.621	-0.7	138.5	10.85	TAS	9.4	0.81	m_e	mb	4.0
WLF	21.67	P	04:35:18.660	-0.7	138.5	10.85	TAS	24.3	0.84	m_e	mb	4.7

Event 10309007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/09	19:35:16.68			-20.5500	-178.3900				600.0			25		145.93	151.99	m i ke	BGR
10309013																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.62		PKPbc	19:53:54.330	0.3	16.7		2.39		TAS					m_e
ASSE	147.62		PKPab	19:53:58.435	-0.0	16.3		4.26		TAS					m_e
BFO	151.67		PKPbc	19:54:03.677	-0.4	16.7		2.39		TAS					m_e
BFO	151.67		PKPab	19:54:15.468		16.3		4.26		TAS					m_e
BRG	148.14		PKPbc	19:53:55.748	0.2	16.7		2.39		TAS					a_e
BRG	148.14		PKPab	19:54:00.927	0.2	16.3		4.26		TAS					m_e
BSEG	145.93		PKPbc	19:53:49.848	-0.1	16.7		2.39		TAS					a_e
BUG	148.76		PKPbc	19:53:56.973	0.1	16.7		2.39		TAS					m_e
CLL	147.95		PKPbc	19:53:55.098	0.1	16.7		2.39		TAS					a_e
CLL	147.95		PKPab	19:53:59.834	0.4	16.3		4.26		TAS					m_e
CLZ	147.94		PKPbc	19:53:55.448	-0.2	16.7		2.39		TAS					a_e
FLT1	147.33		PKPbc	19:53:53.298	0.4	16.7		2.39		TAS					a_e
FUR	151.29		PKPbc	19:54:02.940		16.7		2.39		TAS					m_e
FUR	151.29		PKPab	19:54:14.421		16.3		4.26		TAS					m_e
GEC2	150.07		PKPbc	19:54:00.298	-0.3	16.7		2.39		TAS					a_e
GEC2	150.07		PKPab	19:54:09.189		16.3		4.26		TAS					m_e
GOR1	146.68		PKPbc	19:53:51.980	-0.1	16.7		2.39		TAS					m_e
GRA1	149.85		PKPbc	19:53:59.908	-0.1	16.7		2.39		TAS					m_e
GRA1	149.85		PKPab	19:54:08.400		16.3		4.26		TAS					m_e
GTTG	148.30		PKPbc	19:53:56.198	-0.1	16.7		2.39		TAS					a_e
GTTG	148.30		PKPab	19:54:01.620	-0.2	16.3		4.26		TAS					m_e
IBBN	147.86		PKPbc	19:53:54.898	0.0	16.7		2.39		TAS					a_e
IBBN	147.86		PKPab	19:53:59.601	0.0	16.3		4.26		TAS					m_e
KAST	148.86		PKPbc	19:53:57.448	0.1	16.7		2.39		TAS					a_e
MOX	148.86		PKPbc	19:53:57.448	0.2	16.7		2.39		TAS					a_e

MOX	148.86	PKPab	19:54:03.687		16.3	4.26	TAS	m_e
NEUB	148.31	PKPbc	19:53:56.098	0.2	16.7	2.39	TAS	a_e
PLN	148.91	PKPbc	19:53:57.598	0.2	16.7	2.39	TAS	a_e
PLN	148.91	PKPab	19:54:03.985		16.3	4.26	TAS	m_e
RETH	147.23	PKPbc	19:53:53.343	-0.3	16.7	2.39	TAS	m_e
STU	151.10	PKPbc	19:54:02.648	-0.2	16.7	2.39	TAS	a_e
TANN	148.91	PKPbc	19:53:57.648	0.4	16.7	2.39	TAS	m_e
TANN	148.91	PKPab	19:54:04.077		16.3	4.26	TAS	m_e
TNS	149.81	PKPbc	19:53:59.748	0.3	16.7	2.39	TAS	a_e
TNS	149.81	PKPab	19:54:07.768		16.3	4.26	TAS	m_e
UBR	151.99	PKPbc	19:54:04.371		16.7	2.39	TAS	m_e
WET	150.00	PKPbc	19:54:00.051	0.0	16.7	2.39	TAS	m_e
WET	150.00	PKPab	19:54:09.066		16.3	4.26	TAS	m_e
WLF	150.63	PKPbc	19:54:02.106	-0.1	16.7	2.39	TAS	m_e
WLF	150.63	PKPab	19:54:11.620		16.3	4.26	TAS	m_e

Event 10309008 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/09	21:06:48.75			36.2900	70.5100				200.0			16		42.42	47.51	m i ke	BGR
OrigID 10309014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10309014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	42.42		P	21:14:23.939	0.2	86.1		7.89		TAS		10.5	0.92	m_e mb	4.5
BSEG	44.52		P	21:14:40.688	-0.2	86.1		7.89		TAS		9.7	0.77	m_e mb	4.8
BUG	46.56		P	21:14:56.470	0.0	86.1		7.89		TAS		6.5	0.87	m_e mb	4.8
CLL	42.99		P	21:14:28.053	0.0	86.1		7.89		TAS		5.1	0.72	m_e mb	4.3
CLZ	44.59		P	21:14:41.178	-0.1	86.1		7.89		TAS		12.5	1.34	m_e mb	4.7
FLT1	44.03		P	21:14:36.189	-0.3	86.1		7.89		TAS		15.5	0.66	m_e mb	4.9
GTTG	44.87		P	21:14:43.475	-0.1	86.1		7.89		TAS		12.3	0.87	m_e mb	4.8
IBBN	46.16		P	21:14:53.332	0.0	86.1		7.89		TAS		11.1	0.83	m_e mb	4.9
MOX	43.91		P	21:14:35.795	0.4	86.1		7.89		TAS		3.9	0.69	m_e mb	4.3
NEUB	43.77		P	21:14:34.595	0.1	86.1		7.89		TAS		9.5	0.97	m_e mb	4.5
PLN	43.58		P	21:14:33.148		86.1		7.89		TAS		1.2	0.76	m_e mb	3.7
RGN	42.75		P	21:14:26.520	0.5	86.1		7.89		TAS		57.9	1.08	m_e mb	5.2
TANN	43.39		P	21:14:31.882		86.1		7.89		TAS		2.9	0.92	m_e mb	4.0
TNS	45.96		P	21:14:52.062		86.1		7.89		TAS		4.2	0.87	m_e mb	4.5
UBR	45.23		P	21:14:45.673		86.1		7.89		TAS		10.8	0.60	m_e mb	5.0
WLF	47.51		P	21:15:04.324		86.1		7.89		TAS		23.2	1.52	m_e mb	5.1

Event 10309009 Gabon

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/09	23:07:54.89			-1.3500	10.8400				8.8			26		48.86	55.42	m i ke	BGR
OrigID 10309015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10309015
Ms	4.5		BGR	10309015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	53.30		P	23:17:13.188	-0.2	180.1		7.44		TAS		19.1	1.30	a_e	mb 4.9
BFO	49.55		P	23:16:45.288	-0.4	180.1		7.44		TAS		60.2	0.60	a_e	mb 5.7
BRG	52.12		P	23:17:04.788	-0.0	180.1		7.44		TAS		25.5	0.70	a_e	mb 5.3
BSEG	55.12		P	23:17:26.238	-0.1	180.1		7.44		TAS		28.1	0.85	a_e	mb 5.3
BUG	52.70		P	23:17:08.938	0.0	180.1		7.44		TAS		14.6	0.76	a_e	mb 5.0
CLL	52.52		P	23:17:07.488	0.2	180.1		7.44		TAS		14.2	0.89	a_e	mb 4.9
CLZ	53.02		P	23:17:11.188	0.3	180.1		7.44		TAS		16.7	0.83	a_e	mb 5.0
FLT1	53.51		P	23:17:14.588	-0.3	180.1		7.44		TAS		20.2	0.80	a_e	mb 5.1
FUR	49.34		P	23:16:43.488	-1.1	180.1		7.44		TAS		32.7	0.58	a_e	mb 5.5
GEC2	50.08		P	23:16:49.638	0.1	180.1		7.44		TAS		20.0	0.67	m_e	mb 5.2
GEC2	50.08		pP	23:16:52.027						T__				m_e	
GOR1	54.17		P	23:17:19.838	0.6	180.1		7.44		TAS		30.7	1.23	a_e	mb 5.2
GRA1	50.87		P	23:16:55.338	0.5	180.1		7.44		TAS		43.9	0.84	a_e	mb 5.4
GRA1	50.87		L	23:40:54.619						T__		407.5	18.90	a_e	Ms 4.5
GTTG	52.73		P	23:17:09.488	0.1	180.1		7.44		TAS		31.3	0.82	a_e	mb 5.3
HLG	55.42		P	23:17:28.738	-0.7	180.1		7.44		TAS		47.7	0.63	a_e	mb 5.7
IBBN	53.55		P	23:17:15.488	-0.4	180.1		7.44		TAS		34.3	0.71	a_e	mb 5.5
KAST	52.42		P	23:17:07.038	0.2	180.1		7.44		TAS		19.8	0.68	a_e	mb 5.2
MOX	51.83		P	23:17:02.388	-0.1	180.1		7.44		TAS		22.9	0.62	a_e	mb 5.3
MOX	51.83		L	23:41:44.444						T__		496.8	18.30	a_e	Ms 4.6
NEUB	52.38		P	23:17:06.738	0.4	180.1		7.44		TAS		28.5	0.82	a_e	mb 5.2
PLN	51.67		P	23:17:01.138	0.1	180.1		7.44		TAS		3.8	0.66	a_e	mb 4.5
RETH	53.93		P	23:17:18.738	0.3	180.1		7.44		TAS		24.3	0.98	a_e	mb 5.2
STU	49.97		P	23:16:48.688	-0.1	180.1		7.44		TAS		79.1	0.84	a_e	mb 5.7
TANN	51.61		P	23:17:00.838	0.0	180.1		7.44		TAS		7.8	0.65	a_e	mb 4.8
TNS	51.44		P	23:16:59.488	0.5	180.1		7.44		TAS		59.9	0.65	a_e	mb 5.7
UBR	48.86		P	23:16:39.288		180.1		7.44		TAS		22.7	0.77	a_e	mb 5.3
WET	50.35		P	23:16:51.788	0.4	180.1		7.44		TAS		52.9	0.59	a_e	mb 5.7
WLF	51.00		P	23:16:56.388	0.0	180.1		7.44		TAS		76.3	0.89	a_e	mb 5.6

Event 10310001 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/10	03:14:41.08			64.2600	-21.7100				8.3	0.6		21		19.65	24.40	m i ke	BGR
OrigID 10310007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10310007
Ms	4.2		BGR	10310007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	20.64		P	03:19:21.444	0.3	322.8		10.41		TAS		109.7	1.36	m_e	mb	5.0
BFO	22.71		P	03:19:43.091	-0.6	322.8		10.41		TAS		76.7	1.06	m_e	mb	5.2
BFO	22.71		pP	03:19:45.113		323.4		10.26		TAS				m_e		
BRG	22.93		P	03:19:45.110		322.8		10.41		TAS		47.3	0.96	m_e	mb	5.0
CLL	22.21		P	03:19:37.757	0.6	322.8		10.41		TAS		154.4	1.61	m_e	mb	5.2
CLZ	20.73		P	03:19:22.772	0.6	322.8		10.41		TAS		39.8	1.00	m_e	mb	4.7
FLT1	20.72		P	03:19:21.790	0.0	322.8		10.41		TAS		28.8	0.98	m_e	mb	4.6
FLT1	20.72		pP	03:19:23.733		323.4		10.26		TAS				m_e		
FUR	23.98		P	03:19:56.087		322.8		10.41		TAS		70.8	1.11	m_e	mb	5.1
FUR	23.98		pP	03:19:58.191		323.4		10.26		TAS				m_e		
GEC2	24.40		P	03:20:00.169		322.8		10.41		TAS				m_e		
GRA1	22.74		P	03:19:43.495		322.8		10.41		TAS		2095.4	3.52	m_e	mb	6.1
GRA1	22.74		L	03:27:55.999						T__		709.7	21.70	a_e	Ms	4.1
GTTG	20.79		P	03:19:23.730	-0.1	322.8		10.41		TAS		53.5	0.97	m_e	mb	4.8
GTTG	20.79		pP	03:19:25.624		323.4		10.26		TAS				m_e		
KAST	20.44		P	03:19:19.158	-0.4	322.8		10.41		TAS		43.1	0.97	m_e	mb	4.7
MOX	22.15		P	03:19:37.362	-0.2	322.8		10.41		TAS		52.9	0.91	m_e	mb	5.0
MOX	22.15		pP	03:19:39.277		323.4		10.26		TAS				m_e		
MOX	22.15		L	03:28:54.744						T__		1302.8	18.60	a_e	Ms	4.4
NEUB	21.79		P	03:19:33.711	0.5	322.8		10.41		TAS		91.9	0.89	m_e	mb	5.2
NEUB	21.79		pP	03:19:35.584		323.4		10.26		TAS				m_e		
PLN	22.49		P	03:19:40.778	-0.2	322.8		10.41		TAS		29.6	1.25	m_e	mb	4.7
RETH	19.65		P	03:19:10.366	-0.1	322.8		10.41		TAS		62.9	1.32	m_e	mb	4.7
STU	22.68		P	03:19:43.018	-0.5	322.8		10.41		TAS		346.6	1.05	m_e	mb	5.8
TANN	22.67		P	03:19:42.566	0.2	322.8		10.41		TAS		63.9	1.15	m_e	mb	5.0
TNS	21.22		P	03:19:27.422	0.2	322.8		10.41		TAS		91.6	1.01	m_e	mb	5.1
UBR	23.93		P	03:19:55.843		322.8		10.41		TAS		54.6	0.94	m_e	mb	5.1
WET	23.83		P	03:19:54.783		322.8		10.41		TAS		33.5	0.88	m_e	mb	4.9
WET	23.83		pP	03:19:56.757		323.4		10.26		TAS				m_e		
WLF	20.80		P	03:19:22.684	-0.1	322.8		10.41		TAS		619.5	2.87	m_e	mb	5.4
WLF	20.80		pP	03:19:24.653		323.4		10.26		TAS				m_e		

Event 10310005 New Ireland, Papua New Guinea, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/10 16:24:33.20 -4.5400 153.0100 67.0 124.61 124.61 m i ke NEIC
 10310100

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
GRA1	124.61		PKPdf	16:43:25.977		52.8		1.70		TAS					m_e
GRA1	124.61		pPKPdf	16:43:43.638		48.6		1.22		TAS					m_e
GRA1	124.61		sPKPdf	16:43:50.556		34.7		1.17		TAS					m_e

Event 10310006 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/10	20:07:41.30			-33.3100	-178.3700				10.0					162.09	162.09	m i ke	EMSC
OrigID 10310038																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	162.09		PKPab	20:28:29.440		27.1		4.07		TAS					m_e

Event 10310007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/10	20:12:39.86			-20.1600	-176.2300				506.3	4.4		27		144.82	151.98	m i ke	BGR
OrigID 10310013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.56		PKPdf	20:31:22.951	0.3	16.4		1.56		TAS					m_e
ASSE	147.56		PKPbc	20:31:26.523	0.2					T__					a_e
ASSE	147.56		pPKPbc	20:33:24.505	-0.1	14.6		2.70		TAS					m_e
BFO	151.56		PKPdf	20:31:29.053		16.4		1.56		TAS					m_e
BFO	151.56		PKPbc	20:31:36.123	-0.5					T__					a_e
BFO	151.56		PKPab	20:31:46.299		14.9		4.23		TAS					m_e
BFO	151.56		pPKPbc	20:33:35.044		14.6		2.70		TAS					m_e
BRG	148.23		PKPdf	20:31:24.020	0.1	16.4		1.56		TAS					m_e
BRG	148.23		PKPbc	20:31:28.123	0.2					T__					m_e
BRG	148.23		PKPab	20:31:32.040	0.1	14.9		4.23		TAS					m_e
BRG	148.23		pPKPbc	20:33:26.228	0.1	14.6		2.70		TAS					m_e
BSEG	145.82		PKPdf	20:31:20.160	0.1	16.4		1.56		TAS					m_e
BSEG	145.82		PKPbc	20:31:21.723	-0.3					T__					a_e
BUG	148.57		PKPdf	20:31:24.513	-0.0	16.4		1.56		TAS					m_e
BUG	148.57		PKPbc	20:31:29.073	-0.2					T__					a_e
BUG	148.57		PKPab	20:31:34.049	-0.2	14.9		4.23		TAS					m_e
CLL	148.00		PKPdf	20:31:23.527	0.0	16.4		1.56		TAS					m_e
CLL	148.00		PKPbc	20:31:27.373	0.1					T__					a_e

CLL	148.00	PKPab	20:31:30.845	0.2	14.9	4.23	TAS	m_e
CLL	148.00	pPKPbc	20:33:25.354	-0.0	14.6	2.70	TAS	m_e
CLZ	147.87	PKPdf	20:31:23.806	0.1	16.4	1.56	TAS	m_e
CLZ	147.87	PKPbc	20:31:27.573	0.4			T__	a_e
CLZ	147.87	pPKPbc	20:33:25.654	0.1	14.6	2.70	TAS	m_e
FLT1	147.28	PKPdf	20:31:22.353	0.0	16.4	1.56	TAS	m_e
FLT1	147.28	PKPbc	20:31:25.423	-0.2			T__	a_e
FLT1	147.28	pPKPbc	20:33:23.103	-0.3	14.6	2.70	TAS	m_e
FUR	151.32	PKPdf	20:31:28.653	-0.2	16.4	1.56	TAS	m_e
FUR	151.32	PKPbc	20:31:35.423	-0.3			T__	a_e
FUR	151.32	PKPab	20:31:45.269		14.9	4.23	TAS	m_e
GEC2	150.21	PKPdf	20:31:26.951	0.0	16.4	1.56	TAS	m_e
GEC2	150.21	PKPbc	20:31:32.823	-0.1			T__	a_e
GEC2	150.21	PKPab	20:31:40.230		14.9	4.23	TAS	m_e
GEC2	150.21	pPKPbc	20:33:31.458		14.6	2.70	TAS	m_e
GOR1	146.63	PKPdf	20:31:21.626	-0.2	16.4	1.56	TAS	m_e
GOR1	146.63	PKPbc	20:31:24.028	0.1			T__	m_e
GRA1	149.85	PKPdf	20:31:26.748	-0.1	16.4	1.56	TAS	m_e
GRA1	149.85	PKPbc	20:31:32.423	0.4			T__	a_e
GRA1	149.85	PKPab	20:31:38.953		14.9	4.23	TAS	m_e
GRA1	149.85	pPKPbc	20:33:31.247	-0.4	14.6	2.70	TAS	m_e
GTTG	148.21	PKPdf	20:31:24.079	-0.4	16.4	1.56	TAS	m_e
GTTG	148.21	PKPbc	20:31:28.323	0.3			T__	a_e
GTTG	148.21	PKPab	20:31:32.378	0.1	14.9	4.23	TAS	m_e
GTTG	148.21	pPKPbc	20:33:26.698	0.3	14.6	2.70	TAS	m_e
HLG	145.80	PKPbc	20:31:22.106	-0.1			T__	m_e
IBBN	147.68	PKPdf	20:31:23.501	-0.1	16.4	1.56	TAS	m_e
IBBN	147.68	PKPbc	20:31:26.973	0.0			T__	a_e
IBBN	147.68	PKPab	20:31:30.375	-0.2	14.9	4.23	TAS	m_e
IBBN	147.68	pPKPbc	20:33:25.181	0.3	14.6	2.70	TAS	m_e
KAST	148.72	PKPdf	20:31:25.045	0.1	16.4	1.56	TAS	m_e
KAST	148.72	PKPbc	20:31:29.573	0.1			T__	a_e
KAST	148.72	PKPab	20:31:34.379	-0.0	14.9	4.23	TAS	m_e
KAST	148.72	pPKPbc	20:33:27.849	0.6	14.6	2.70	TAS	m_e
MOX	148.87	PKPdf	20:31:24.977	0.2	16.4	1.56	TAS	m_e
MOX	148.87	PKPbc	20:31:29.773	0.2			T__	a_e
MOX	148.87	PKPab	20:31:34.549	-0.0	14.9	4.23	TAS	m_e
MOX	148.87	pPKPbc	20:33:28.107	0.2	14.6	2.70	TAS	m_e
NEUB	148.31	PKPdf	20:31:24.221	0.1	16.4	1.56	TAS	m_e
NEUB	148.31	PKPbc	20:31:28.373	0.2			T__	a_e
NEUB	148.31	PKPab	20:31:32.326	0.2	14.9	4.23	TAS	m_e
NEUB	148.31	pPKPbc	20:33:26.668	0.3	14.6	2.70	TAS	m_e
PLN	148.93	PKPdf	20:31:25.192	0.1	16.4	1.56	TAS	m_e
PLN	148.93	PKPbc	20:31:29.973	0.3			T__	a_e
PLN	148.93	PKPab	20:31:35.009	0.2	14.9	4.23	TAS	m_e
PLN	148.93	pPKPbc	20:33:28.491	-0.3	14.6	2.70	TAS	m_e
RETH	147.11	PKPdf	20:31:22.448	-0.1	16.4	1.56	TAS	m_e
RETH	147.11	PKPbc	20:31:25.390	0.1			T__	m_e
RETH	147.11	pPKPbc	20:33:23.079	0.2	14.6	2.70	TAS	m_e

./bul2103.txt

Wed Jan 11 09:16:10 2023

45

RGN	144.82	PKPbc	20:31:18.423	-0.9						T__		a_e
STU	151.03	PKPdf	20:31:28.507	-0.3	16.4		1.56			TAS		m_e
STU	151.03	PKPbc	20:31:35.073	-0.1						T__		a_e
STU	151.03	PKPab	20:31:44.012		14.9		4.23			TAS		m_e
TANN	148.95	PKPdf	20:31:25.239	0.2	16.4		1.56			TAS		m_e
TANN	148.95	PKPbc	20:31:30.023	0.3						T__		a_e
TANN	148.95	PKPab	20:31:35.218	-0.1	14.9		4.23			TAS		m_e
TANN	148.95	pPKPbc	20:33:28.551	-0.0	14.6		2.70			TAS		m_e
TNS	149.68	PKPdf	20:31:26.569	0.0	16.4		1.56			TAS		m_e
TNS	149.68	PKPbc	20:31:32.073	0.2						T__		a_e
TNS	149.68	PKPab	20:31:38.595		14.9		4.23			TAS		m_e
TNS	149.68	pPKPbc	20:33:30.944	-0.4	14.6		2.70			TAS		m_e
UBR	151.98	PKPdf	20:31:29.633		16.4		1.56			TAS		m_e
UBR	151.98	PKPbc	20:31:36.823	-0.7						T__		a_e
UBR	151.98	pPKPbc	20:33:36.091		14.6		2.70			TAS		m_e
WET	150.09	PKPdf	20:31:26.884	0.4	16.4		1.56			TAS		m_e
WET	150.09	PKPbc	20:31:32.623	-0.0						T__		a_e
WET	150.09	PKPab	20:31:40.099		14.9		4.23			TAS		m_e
WET	150.09	pPKPbc	20:33:31.514		14.6		2.70			TAS		m_e
WLF	150.41	PKPdf	20:31:28.285	-0.1	16.4		1.56			TAS		m_e
WLF	150.41	PKPbc	20:31:34.373	0.3						T__		a_e
WLF	150.41	PKPab	20:31:42.092		14.9		4.23			TAS		m_e
WLF	150.41	pPKPbc	20:33:32.707		14.6		2.70			TAS		m_e

Event 10311003 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/11	12:00:52.50			-37.2000	-179.7300				10.0					165.18	165.18	m i ke	EMSC
10311035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.18		PKP	12:21:55.622						T__					m_e
GRA1	165.18		pPKPab	12:22:03.273		44.8		3.84		TAS					m_e

Event 10312002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/12	00:03:20.70			-25.1400	178.4100				558.0					153.48	153.48	m i ke	NEIC
10312041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.48		PKPdf	00:22:14.655		26.2		1.67		TAS				m_e	
GRA1	153.48		PKPab	00:22:31.306		28.5		3.74		TAS				m_e	

Event 10312006 Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/12	12:57:45.81	0.70	2.15	39.0100	22.2870	35.6	22.2	60	10.0			28	323	9.07	16.37	m i ke	BGR
10312012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	9.60		Pn	12:59:59.282	-1.8					T__				m_e	
BALST	13.49		Pn	13:00:52.562	-0.8					T__				m_e	
BFO	13.72		Pn	13:00:52.575	-3.8					T__				m_e	
BIOA	10.71		Sn	13:02:05.534	-0.1					T__				m_e	
BIOA	10.71		Pn	13:00:14.405	-1.6					T__				m_e	
DAVA	12.25		Pn	13:00:38.137	1.4					T__				m_e	
DREG	16.24		Pn	13:01:35.141	5.0					T__				m_e	
FETA	11.63		Pn	13:00:30.924	2.5					T__				m_e	
FLT1	15.36		Pn	13:01:23.740	5.3					T__				m_e	
GEC2	11.60		Pn	13:00:26.286	-1.8					T__				m_e	
GTTG	15.21		Pn	13:01:19.552	3.2					T__				m_e	
KBA	10.37		Pn	13:00:11.148	-0.4					T__				m_e	
LESA	10.94		Pn	13:00:18.360	-0.7					T__				m_e	
MOA	10.58		Sn	13:02:03.766	1.2					T__				m_e	
MOA	10.58		Pn	13:00:12.544	-1.7					T__				m_e	
MOTA	11.65		Sn	13:02:26.411	-1.1					T__				m_e	
MOTA	11.65		Pn	13:00:28.830	0.2					T__				m_e	
MOX	13.86		Pn	13:00:56.995	-1.2					T__				m_e	
OBKA	9.40		Sn	13:01:36.344	1.2					T__				m_e	
OBKA	9.40		Pn	12:59:57.886	-0.6					T__				m_e	
PLONS	12.38		Pn	13:00:39.300	0.8					T__				m_e	
PSZ	9.07		Sn	13:01:25.886	-1.5					T__				m_e	
PSZ	9.07		Pn	12:59:53.698	-0.3					T__				m_e	
RETA	11.92		Sn	13:02:33.776	0.0					T__				m_e	
RETH	16.37		Pn	13:01:37.009	5.1					T__				m_e	
SLE	13.29		Pn	13:00:47.676	-3.0					T__				m_e	
SQTA	11.51		Pn	13:00:27.202	0.4					T__				m_e	
TANN	13.35		Pn	13:00:49.770	-1.7					T__				m_e	
TNS	14.89		Pn	13:01:10.488	-1.6					T__				m_e	
UBR	12.38		Pn	13:00:36.988	-1.5					T__				m_e	
WET	12.16		Pn	13:00:34.209	-1.4					T__				m_e	
WILA	12.86		Pn	13:00:45.350	0.5					T__				m_e	

WTTA 11.33 Sn 13:02:20.112 0.1 T__ m_e

Event 10313001 North Pacific Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/13	14:05:01.50			-29.8600	-177.8500				37.0					157.98	158.96	m i ke	NEIC

OrigID
10313040

Magnitude	Err	Nsta	Author	OrigID
Ms	5.7		BGR	10313007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.96		PKPab	14:25:33.014		24.4		3.77		TAS					m_e
GRA1	158.96		L	15:40:40.514						T__		1070.6	20.10	a_e Ms	5.7
MOX	157.98		L	15:46:33.010						T__		1477.7	21.50	a_e Ms	5.8

Event 10313002 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/13	21:21:57.50			-28.1500	-176.5300				10.0					156.62	157.61	m i ke	NEIC

OrigID
10313041

Magnitude	Err	Nsta	Author	OrigID
Ms	6.1		BGR	10313008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	157.61		PKPab	21:42:26.293		23.7		4.00		TAS					m_e
GRA1	157.61		L	22:59:17.978						T__		3175.1	19.50	a_e Ms	6.2
MOX	156.62		L	22:52:38.643						T__		2824.3	21.80	a_e Ms	6.1

Event 10314001 Northern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/14	10:26:02.46			42.0290	81.7510				33.0					47.46	48.01	m i ke	BGR

OrigID
10314007

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10314007
Ms	4.0		BGR	10314007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.01		P	10:34:37.604		74.1		6.62		TAS		16.2	0.95	m_e	mb 5.1
GRA1	48.01		L	10:55:40.244						T__		245.2	20.10	a_e	Ms 4.2
MOX	47.46		L	11:00:59.406						T__		126.4	20.20	a_e	Ms 3.9

Event 10314003 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/14	12:54:30.45			29.0920	53.7910				23.5	7.2		22		36.34	41.45	m i ke	BGR
10314009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10314009
Ms	4.5		BGR	10314009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	39.64		P	13:02:00.055		106.6		8.42		TAS		15.1	1.21	m_e	mb 4.5
BRG	36.86		P	13:01:35.644	-0.3	106.6		8.42		TAS		17.8	0.96	m_e	mb 4.8
BRG	36.86		pP	13:01:40.462	0.5	106.5		8.40		TAS				m_e	
BSEG	40.02		P	13:02:01.827	0.5	106.6		8.42		TAS		27.6	0.97	m_e	mb 4.9
BSEG	40.02		pP	13:02:08.210	-0.0	106.5		8.40		TAS				m_e	
BUG	41.03		P	13:02:11.318	0.2	106.6		8.42		TAS		80.9	1.14	m_e	mb 5.3
BUG	41.03		pP	13:02:17.652	0.1	106.5		8.40		TAS				m_e	
CLL	37.57		P	13:01:42.327	-0.5	106.6		8.42		TAS		46.5	1.08	m_e	mb 5.1
CLL	37.57		pP	13:01:48.810	-0.8	106.5		8.40		TAS				m_e	
CLZ	39.29		P	13:01:56.999	0.3	106.6		8.42		TAS		130.3	1.50	m_e	mb 5.3
CLZ	39.29		pP	13:02:03.408	0.5	106.5		8.40		TAS				m_e	
FLT1	38.95		P	13:01:53.373	0.5	106.6		8.42		TAS		68.1	0.85	m_e	mb 5.3
FLT1	38.95		pP	13:01:59.748	0.6	106.5		8.40		TAS				m_e	
FUR	37.69		pP	13:01:50.100		106.5		8.40		TAS				m_e	
GEC2	36.34		P	13:01:32.142		106.6		8.42		TAS		257.3	2.20	m_e	mb 5.7
GEC2	36.34		pP	13:01:38.958		106.5		8.40		TAS				m_e	
GOR1	39.13		P	13:01:55.134	-0.1	106.6		8.42		TAS		99.0	1.26	m_e	mb 5.3
GOR1	39.13		pP	13:01:59.544	0.3	106.5		8.40		TAS				m_e	
GRA1	38.14		P	13:01:47.646	0.5	106.6		8.42		TAS		192.2	1.57	m_e	mb 5.6
GRA1	38.14		pP	13:01:54.074		106.5		8.40		TAS				m_e	
GRA1	38.14		L	13:14:23.810						T__		653.2	21.10	a_e	Ms 4.4
GTTG	39.44		P	13:01:58.465	0.2	106.6		8.42		TAS		71.2	1.31	m_e	mb 5.1
HLG	41.45		P	13:02:13.668	0.1	106.6		8.42		TAS		295.8	1.18	m_e	mb 5.9
IBBN	40.97		P	13:02:10.672	0.4	106.6		8.42		TAS		89.1	1.06	m_e	mb 5.4
IBBN	40.97		pP	13:02:16.920	-0.2	106.5		8.40		TAS				m_e	
KAST	40.28		P	13:02:05.341	-0.8	106.6		8.42		TAS		33.3	1.07	m_e	mb 4.9
KAST	40.28		pP	13:02:11.684	0.4	106.5		8.40		TAS				m_e	
MOX	38.18		P	13:01:46.649	-0.5	106.6		8.42		TAS		27.2	1.37	m_e	mb 4.8
MOX	38.18		L	13:16:37.832						T__		805.5	19.00	a_e	Ms 4.5
NEUB	38.26		P	13:01:48.162	-0.0	106.6		8.42		TAS		29.0	0.79	m_e	mb 5.1

NEUB	38.26	pP	13:01:54.707	-0.1	106.5	8.40	TAS							m_e	
PLN	37.80	P	13:01:44.244	-0.5	106.6	8.42	TAS	6.8	1.34	m_e	mb	4.2			
TANN	37.59	P	13:01:42.229	0.5	106.6	8.42	TAS	94.8	2.53	m_e	mb	5.1			
TNS	40.00	P	13:02:02.413	-0.5	106.6	8.42	TAS	83.1	1.33	m_e	mb	5.2			
TNS	40.00	pP	13:02:09.550		106.5	8.40	TAS							m_e	
UBR	38.34	P	13:01:48.779		106.6	8.42	TAS	186.6	1.61	m_e	mb	5.6			
UBR	38.34	pP	13:01:55.497		106.5	8.40	TAS							m_e	
WET	36.94	P	13:01:36.607	0.3	106.6	8.42	TAS	57.2	1.36	m_e	mb	5.1			
WET	36.94	pP	13:01:43.477		106.5	8.40	TAS							m_e	
WLF	41.32	P	13:02:13.418	0.2	106.6	8.42	TAS	211.8	2.24	m_e	mb	5.5			
WLF	41.32	pP	13:02:19.912		106.5	8.40	TAS							m_e	

Event 10314004 Iceland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/14	14:15:23.82			64.8090	-22.1880				10.0			23		19.53	24.80	m i ke	BGR
10314010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10314010
Ms	4.8		BGR	10314010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	21.03		P	14:20:08.086	0.8	323.3		10.18		TAS		212.9	1.40	m_e	mb	5.3
BFO	23.17		P	14:20:29.835		323.3		10.18		TAS		101.7	1.11	m_e	mb	5.3
BRG	23.30		P	14:20:31.559	1.4	323.3		10.18		TAS		122.5	1.34	m_e	mb	5.3
BSEG	19.53		P	14:19:52.474	0.2	323.3		10.18		TAS		131.5	1.17	m_e	mb	5.0
BUG	20.24		P	14:19:58.514	0.9	323.3		10.18		TAS		84.5	1.06	m_e	mb	4.9
CLL	22.59		P	14:20:24.419	-0.0	323.3		10.18		TAS		160.2	1.25	m_e	mb	5.4
CLZ	21.13		P	14:20:09.491	-1.4	323.3		10.18		TAS		113.7	1.36	m_e	mb	5.0
FLT1	21.10		P	14:20:08.807	-1.7	323.3		10.18		TAS		36.6	0.94	m_e	mb	4.7
FUR	24.41		P	14:20:43.277		323.3		10.18		TAS		867.8	2.32	m_e	mb	5.9
GEC2	24.80		P	14:20:42.979	0.8	323.3		10.18		TAS		129.9	1.90	m_e	mb	5.3
GRA1	23.15		P	14:20:29.872	0.7	323.3		10.18		TAS		326.9	1.73	m_e	mb	5.6
GRA1	23.15		L	14:33:23.063						T__		1716.1	18.10	a_e	Ms	4.5
GTTG	21.19		P	14:20:10.127	1.9	323.3		10.18		TAS		130.2	1.14	m_e	mb	5.2
KAST	20.86		P	14:20:05.290	0.1	323.3		10.18		TAS		78.2	1.05	m_e	mb	5.0
MOX	22.55		P	14:20:23.781	-0.2	323.3		10.18		TAS		71.9	0.97	m_e	mb	5.2
MOX	22.55		L	14:29:42.346						T__		4853.5	18.70	a_e	Ms	5.0
NEUB	22.18		P	14:20:21.761	0.1	323.3		10.18		TAS		285.5	1.29	m_e	mb	5.5
PLN	22.89		P	14:20:27.269	-0.2	323.3		10.18		TAS		42.1	1.39	m_e	mb	4.8
RETH	20.04		P	14:19:57.223	0.2	323.3		10.18		TAS		151.6	1.45	m_e	mb	5.0
STU	23.13		P	14:20:29.856		323.3		10.18		TAS		440.4	1.10	m_e	mb	5.9
TANN	23.06		P	14:20:29.097	-0.2	323.3		10.18		TAS		80.9	1.01	m_e	mb	5.2
TNS	21.66		P	14:20:15.995	-3.8	323.3		10.18		TAS		675.3	1.94	m_e	mb	5.7
UBR	24.37		P	14:20:42.637		323.3		10.18		TAS		133.5	1.18	m_e	mb	5.4

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WET	24.24	P	14:20:40.906	0.5	323.3	10.18	TAS	50.7	0.98	m_e	mb	5.0
WLF	21.26	P	14:20:09.217	0.6	323.3	10.18	TAS	67.1	1.00	m_e	mb	4.9

Event 10315001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/15	00:14:25.50			-23.5600	-179.7600				545.0					152.46	152.46	m i ke	NEIC
OrigID 10315040																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	152.46		PKPdf	00:33:19.876		22.4		1.67		TAS				m_e	
GRA1	152.46		PKPab	00:33:33.135		26.0		3.76		TAS				m_e	

Event 10315005 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/15	20:44:35.20			-29.3600	-176.7400				10.0					157.75	158.74	m i ke	NEIC
OrigID 10315044																	

Magnitude Err Nsta Author OrigID
Ms 4.8 BGR 10315011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	158.74		PKPab	21:05:09.334		24.7		3.94		TAS				m_e		
GRA1	158.74		L	22:16:34.670						T__		182.4	20.10	a_e	Ms	4.9
MOX	157.75		L	22:18:32.112						T__		130.0	19.20	a_e	Ms	4.8

Event 10316007 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
2021/03/16	18:38:31.35			55.4940	162.8930				33.0				26	67.40	74.56	m i ke	BGR
OrigID 10316013																	

Magnitude Err Nsta Author OrigID
mb 6.4 BGR 10316013
MBB 6.8 BGR 10316013
Ms 6.7 BGR 10316013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.18		P	18:49:39.400	0.2	16.4		5.98		TAS		1446.1	2.19	m_e	MBB 6.9
BFO	74.24		P	18:50:03.236		16.4		5.98		TAS		305.6	1.14	m_e	MBB 6.5
BRG	70.78		P	18:49:42.893	0.1	16.4		5.98		TAS		301.8	1.09	m_e	MBB 6.7
BSEG	68.51		P	18:49:29.613	0.2	16.4		5.98		TAS		279.5	1.08	m_e	MBB 7.0
BUG	71.40		P	18:49:46.748	0.0	16.4		5.98		TAS		225.0	1.01	m_e	MBB 6.7
CLL	70.54		P	18:49:41.232	-0.1	16.4		5.98		TAS		514.7	1.08	m_e	MBB 6.8
CLZ	70.51		P	18:49:41.615	-0.5	16.4		5.98		TAS		427.2	1.09	m_e	MBB 6.8
FLT1	69.89		P	18:49:37.094	-0.1	16.4		5.98		TAS		314.1	1.44	m_e	MBB 6.6
FUR	73.88		P	18:50:01.788	-0.4	16.4		5.98		TAS		301.1	1.09	m_e	MBB 6.6
GEC2	72.76		P	18:49:55.058	-0.1	16.4		5.98		TAS		206.0	1.07	m_e	MBB 6.7
GOR1	69.24		P	18:49:34.174	0.0	16.4		5.98		TAS		693.2	1.39	m_e	MBB 7.0
GRA1	72.42		P	18:49:53.385	0.2	16.4		5.98		TAS		526.9	0.96	m_e	mb 6.6
GRA1	72.42		L	19:23:48.454						T__		34950.1	21.20	a_e	Ms 6.6
GTTG	70.86		P	18:49:43.632	-0.2	16.4		5.98		TAS		211.1	1.12	m_e	MBB 6.7
IBBN	70.49		P	18:49:41.433	0.2	16.4		5.98		TAS		330.2	1.03	m_e	MBB 6.7
KAST	71.45		P	18:49:47.028	0.1	16.4		5.98		TAS		207.4	1.20	m_e	MBB 6.8
MOX	71.44		P	18:49:47.039	-0.0	16.4		5.98		TAS		308.1	1.06	m_e	MBB 6.7
MOX	71.44		L	19:24:51.770						T__		41615.3	19.50	a_e	Ms 6.7
NEUB	70.88		P	18:49:43.459	0.1	16.4		5.98		TAS		517.0	1.26	m_e	MBB 6.8
PLN	71.49		P	18:49:47.415	0.1	16.4		5.98		TAS		148.5	1.21	m_e	MBB 6.4
RETH	69.82		P	18:49:37.295	-0.7	16.4		5.98		TAS		1604.0	2.46	m_e	MBB 6.8
RGN	67.40		P	18:49:22.727	-0.1	16.4		5.98		TAS		680.6	0.95	m_e	MBB 7.1
STU	73.67		P	18:50:00.320	-0.6	16.4		5.98		TAS		780.2	1.26	m_e	MBB 7.0
TANN	71.50		P	18:49:47.524	0.1	16.4		5.98		TAS		460.9	1.53	m_e	MBB 6.8
TNS	72.39		P	18:49:52.753	0.5	16.4		5.98		TAS		211.6	1.14	m_e	MBB 6.7
UBR	74.56		P	18:50:05.330		16.4		5.98		TAS		343.9	1.04	m_e	MBB 6.5
WET	72.63		P	18:49:54.624	0.2	16.4		5.98		TAS		347.6	1.06	m_e	MBB 6.7
WLF	73.30		P	18:49:58.173	0.2	16.4		5.98		TAS		1135.3	2.17	m_e	MBB 6.7

Event 10316008 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/16	19:51:35.97		55.2230	163.0550					33.0			19		68.79	74.53	m i ke	BGR
10316014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10316014
Ms	5.5		BGR	10316014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.47		P	20:02:45.773	-0.3	16.4		5.96		TAS		65.4	1.31	m_e	mb 5.6
BFO	74.53		P	20:03:09.498		16.4		5.96		TAS		34.1	1.01	m_e	mb 5.3
BRG	71.06		P	20:02:49.129	0.0	16.4		5.96		TAS		35.1	1.00	m_e	mb 5.5
BSEG	68.79		P	20:02:35.720	0.0	16.4		5.96		TAS		45.4	0.93	m_e	mb 5.7
CLL	70.83		P	20:02:47.640	-0.3	16.4		5.96		TAS		64.6	1.07	m_e	mb 5.7

CLZ	70.79	P	20:02:48.122	0.3	16.4	5.96	TAS	73.0	1.08	m_e	mb	5.7
FLT1	70.18	P	20:02:43.272	0.4	16.4	5.96	TAS	29.0	1.08	m_e	mb	5.3
GEC2	73.04	P	20:03:01.373		16.4	5.96	TAS	29.1	1.00	m_e	mb	5.4
GOR1	69.53	P	20:02:40.737	0.1	16.4	5.96	TAS	97.6	1.35	m_e	mb	5.8
GRA1	72.71	P	20:02:59.706		16.4	5.96	TAS	82.8	0.95	m_e	mb	5.8
GRA1	72.71	L	20:28:37.533				T__	2896.2	18.10	a_e	Ms	5.6
IBBN	70.77	P	20:02:47.566	-0.0	16.4	5.96	TAS	61.1	0.93	m_e	mb	5.7
KAST	71.74	P	20:02:53.577	0.3	16.4	5.96	TAS	33.5	1.29	m_e	mb	5.3
MOX	71.72	P	20:02:53.021	0.5	16.4	5.96	TAS	40.4	0.98	m_e	mb	5.5
MOX	71.72	L	20:34:05.133				T__	2447.1	19.10	a_e	Ms	5.5
NEUB	71.17	P	20:02:49.549	0.1	16.4	5.96	TAS	48.9	1.23	m_e	mb	5.5
PLN	71.78	P	20:02:53.875	0.2	16.4	5.96	TAS	17.3	0.99	m_e	mb	5.1
RETH	70.10	P	20:02:43.576	-0.8	16.4	5.96	TAS	51.1	1.44	m_e	mb	5.5
TANN	71.79	P	20:02:53.751	-0.5	16.4	5.96	TAS	33.4	1.03	m_e	mb	5.4
TNS	72.68	P	20:02:58.971		16.4	5.96	TAS	24.7	1.05	m_e	mb	5.3
WET	72.92	P	20:03:00.639		16.4	5.96	TAS	54.0	1.04	m_e	mb	5.6

Event 10316009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/16	21:16:57.70			-21.7500	-179.3500				592.0					150.81	150.81	m i ke	NEIC
OrigID 10316048																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.81		PKP	21:35:43.270		21.7		1.64		TAS				m_e	

Event 10316010 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/16	21:59:20.67			45.9830	151.6950				33.0					78.60	78.60	m i ke	BGR
OrigID 10316016																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.60		P	22:11:18.217		27.1		4.80		TAS		20.0	1.42	m_e	mb	5.0

Event 10317001 Carlsberg Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/17	00:04:58.16			-1.6680	69.8850				10.0					71.63	71.82	m i ke	BGR
OrigID 10317007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10317007
Ms	4.7		BGR	10317007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	71.63		P	00:16:17.221		118.1		7.61		TAS		33.3	1.33	m_e	mb 5.3
GRA1	71.63		L	00:46:50.859						T__		533.0	21.70	a_e	Ms 4.8
MOX	71.82		L	00:48:53.332						T__		345.3	19.10	a_e	Ms 4.6

Event 10317003 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
2021/03/17	08:28:50.12			38.1790	141.7820				33.0				20	79.07	84.35	m i ke	BGR
OrigID 10317009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10317009
Ms	4.3		BGR	10317009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	80.39		P	08:40:57.156	-0.4	37.1		5.25		TAS		17.5	1.02	m_e	mb 4.9
BFO	84.35		P	08:41:17.624		37.1		5.25		TAS		36.1	0.96	m_e	mb 5.6
BRG	80.12		P	08:40:55.676	0.4	37.1		5.25		TAS		13.9	0.86	m_e	mb 4.9
BSEG	79.07		P	08:40:50.658	0.1	37.1		5.25		TAS		30.7	0.99	m_e	mb 5.3
CLL	80.15		P	08:40:55.581	-0.1	37.1		5.25		TAS		30.9	0.94	m_e	mb 5.2
CLZ	80.73		P	08:40:59.136	-0.2	37.1		5.25		TAS		28.1	0.94	m_e	mb 5.3
FLT1	80.02		P	08:40:54.540	0.3	37.1		5.25		TAS		28.2	0.86	m_e	mb 5.2
FUR	83.32		P	08:41:12.846		37.1		5.25		TAS		41.4	0.70	m_e	mb 5.8
GEC2	81.80		P	08:41:04.554		37.1		5.25		TAS		19.2	1.22	m_e	mb 5.1
GOR1	79.47		P	08:40:52.375	-0.7	37.1		5.25		TAS		69.1	1.62	m_e	mb 5.3
GRA1	82.13		P	08:41:06.760		37.1		5.25		TAS		40.4	1.09	m_e	mb 5.5
GRA1	82.13		L	09:22:12.360						T__		101.3	20.00	a_e	Ms 4.2
GTTG	81.12		P	08:41:01.285	0.0	37.1		5.25		TAS		26.8	0.99	m_e	mb 5.2
IBBN	81.29		P	08:41:02.027	0.1	37.1		5.25		TAS		38.4	0.97	m_e	mb 5.4
KAST	81.96		P	08:41:05.204	0.0	37.1		5.25		TAS		12.3	0.89	m_e	mb 5.0
MOX	81.21		P	08:41:01.498	0.3	37.1		5.25		TAS		27.5	1.40	m_e	mb 5.1
MOX	81.21		L	09:21:33.344						T__		134.4	18.10	a_e	Ms 4.3
NEUB	80.72		P	08:40:58.973	0.0	37.1		5.25		TAS		45.7	1.07	m_e	mb 5.4
PLN	81.13		P	08:41:01.094	-0.0	37.1		5.25		TAS		4.0	1.03	m_e	mb 4.4
STU	83.65		P	08:41:14.365		37.1		5.25		TAS		72.9	1.00	m_e	mb 5.9

TNS	82.75	P	08:41:09.648	0.2	37.1	5.25	TAS	24.5	1.42	m_e	mb	5.2
WET	81.90	P	08:41:05.392		37.1	5.25	TAS	16.3	1.10	m_e	mb	5.1

Event 10318001 Northern Algeria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/18	00:04:03.11	4.21	1.29	36.3770	4.7340	100.1	24.5	20	10.0			43	325	11.17	17.97	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	13.50		Pn	00:07:10.028	-0.8					T__					m_e
ASSE	16.30		Pn	00:07:49.754	1.6					T__					m_e
BALST	11.17		Pn	00:06:37.880	-1.6					T__					m_e
BFO	12.23		Pn	00:06:51.245	-2.5					T__					m_e
BIOA	13.08		Pn	00:07:05.475	0.3					T__					m_e
BRG	15.92		Pn	00:07:43.116	-0.1					T__					m_e
BSEG	17.97		Pn	00:08:12.520	1.9					T__					m_e
BUG	15.16		Pn	00:07:32.963	-0.1					T__					m_e
CLL	16.05		Pn	00:07:45.216	0.3					T__					m_e
CLZ	15.97		Pn	00:07:45.024	1.2					T__					m_e
DAVA	11.55		Pn	00:06:43.876	-0.7					T__					m_e
DREG	14.31		Pn	00:07:21.749	0.0					T__					m_e
FETA	11.53		Pn	00:06:45.163	0.8					T__					m_e
FLT1	16.59		Pn	00:07:53.694	1.5					T__					m_e
FUR	12.72		Pn	00:06:59.076	-1.3					T__					m_e
GEC2	14.08		Pn	00:07:17.151	-1.4					T__					m_e
GOR1	17.23		Pn	00:08:02.531	1.8					T__					m_e
GRA1	14.11		Pn	00:07:18.626	-0.4					T__					m_e
GTTG	15.61		Pn	00:07:42.539	3.5					T__					m_e
IBBN	16.06		Pn	00:07:45.524	0.4					T__					m_e
KAST	15.05		Pn	00:07:30.435	-1.1					T__					m_e
KBA	12.46		Pn	00:06:57.497	0.6					T__					m_e
LESA	12.51		Pn	00:06:57.735	0.2					T__					m_e
MOA	13.45		Pn	00:07:10.806	0.6					T__					m_e
MOTA	11.93		Pn	00:06:50.126	0.3					T__					m_e
MOX	15.09		Pn	00:07:31.826	-0.3					T__					m_e
NEUB	15.64		Pn	00:07:41.126	1.7					T__					m_e
PLN	15.08		Pn	00:07:33.659	1.7					T__					m_e
PLONS	11.21		Pn	00:06:40.472	0.4					T__					m_e
PSZ	16.07		Pn	00:07:45.703	0.6					T__					m_e
RETA	11.97		Pn	00:06:50.504	0.3					T__					m_e
RETH	16.67		Pn	00:07:54.902	1.6					T__					m_e
SLE	11.71		Pn	00:06:44.962	-1.8					T__					m_e
SOP	14.28		Pn	00:07:20.422	-0.9					T__					m_e

STU	12.81	Pn	00:07:02.537	1.1	T__	m_e
SULZ	11.42	Pn	00:06:41.236	-1.6	T__	m_e
TANN	15.09	Pn	00:07:30.879	-1.3	T__	m_e
TNS	14.09	Pn	00:07:16.435	-2.3	T__	m_e
UBR	11.97	Pn	00:06:49.896	-0.4	T__	m_e
WET	14.08	Pn	00:07:16.869	-1.6	T__	m_e
WILA	11.45	Pn	00:06:42.074	-1.2	T__	m_e
WLF	13.32	Pn	00:07:07.130	-1.2	T__	m_e
WTTA	12.02	Pn	00:06:51.410	0.4	T__	m_e

Event 10318002 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/18	02:22:02.24			54.5650	163.7230				34.7					72.47	73.46	m i ke	BGR
OrigID 10318008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10318008
Ms	4.6		BGR	10318008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.46		P	02:33:30.164		15.3		5.12		TAS		10.5	1.20	m_e	mb 4.8
GRA1	73.46		pP	02:33:40.069		15.4		5.10		TAS				m_e	
GRA1	73.46		L	03:16:45.735						T__		300.6	20.10	a_e	Ms 4.6
MOX	72.47		L	03:08:13.865						T__		338.7	19.70	a_e	Ms 4.6

Event 10318003 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/18	02:48:35.67			54.9020	163.2160				33.0					72.06	73.04	m i ke	BGR
OrigID 10318009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10318009
Ms	4.4		BGR	10318009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.04		P	03:00:01.398		16.5		5.17		TAS		31.4	1.07	m_e	mb 5.4
GRA1	73.04		L	03:34:38.969						T__		203.7	20.20	a_e	Ms 4.4
MOX	72.06		L	03:31:04.325						T__		198.8	20.60	a_e	Ms 4.4

Event 10318004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/18	08:09:02.50			46.7020	153.0050				33.0					77.35	78.32	m i ke	BGR
OrigID 10318010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10318010
Ms	4.8		BGR	10318010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.32		P	08:20:58.494		26.0		4.84		TAS		12.1	0.81	m_e	mb 5.1
GRA1	78.32		L	09:07:33.350						T__		408.1	19.10	a_e	Ms 4.8
MOX	77.35		L	09:03:58.986						T__		405.6	19.80	a_e	Ms 4.8

Event 10318007 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/18	22:50:22.17			54.7390	-160.8310				33.0					74.66	75.60	m i ke	BGR
OrigID 10318013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10318013
Ms	4.2		BGR	10318013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	75.60		P	23:02:02.757		351.3		5.22		TAS		6.4	0.95	m_e	mb 4.7
GRA1	75.60		L	23:27:07.482						T__		120.4	21.60	a_e	Ms 4.2
MOX	74.66		L	23:29:35.009						T__		122.7	20.80	a_e	Ms 4.2

Event 10319002 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/19	03:16:37.52			55.7230	160.3430				10.0					67.85	73.58	m i ke	BGR
OrigID 10319008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10319008
Ms	4.3		BGR	10319008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	73.58		L	04:01:14.796						T__		218.9	20.00	a_e	Ms 4.4

BRG	70.05	P	03:27:47.533	17.9	5.31	TAS	7.1	0.90	m_e	mb	4.8
BSEG	67.85	L	03:57:59.046			T__	190.7	20.50	a_e	Ms	4.3
CLL	69.83	P	03:27:46.133	17.9	5.31	TAS	13.2	0.98	m_e	mb	5.0
CLL	69.83	L	03:59:32.659			T__	149.3	21.50	a_e	Ms	4.2
FUR	73.17	L	04:08:29.398			T__	193.3	18.10	a_e	Ms	4.4
GEC2	72.01	P	03:27:59.951	17.9	5.31	TAS	7.7	0.93	m_e	mb	4.8
GEC2	72.01	L	04:04:07.584			T__	231.5	21.00	a_e	Ms	4.4
GRA1	71.72	P	03:27:58.613	17.9	5.31	TAS	12.0	0.83	m_e	mb	5.1
GRA1	71.72	L	04:05:47.447			T__	168.8	19.20	a_e	Ms	4.3
MOX	70.73	L	03:57:31.336			T__	171.4	20.20	a_e	Ms	4.3
TNS	71.74	L	04:04:46.682			T__	138.1	21.30	a_e	Ms	4.2
WET	71.90	L	04:04:53.640			T__	152.2	18.70	a_e	Ms	4.3

Event 10319003 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/19	06:11:31.70			31.5650	92.6320				33.0			26		59.36	64.49	m i ke	BGR
	10319009																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10319009
MBB	6.1		BGR	10319009
Ms	5.6		BGR	10319009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	61.03		P	06:21:40.556	0.1	74.0		6.78		TAS		379.0	2.36	m_e	mb	5.8
BFO	63.57		P	06:21:57.574		74.0		6.78		TAS		125.1	1.25	m_e	mb	6.0
BFO	63.57		L	06:50:35.404						T__		1596.8	19.70	a_e	Ms	5.2
BRG	59.36		P	06:21:29.430	-0.1	74.0		6.78		TAS		86.0	0.90	m_e	mb	5.8
BSEG	60.78		P	06:21:39.517	0.2	74.0		6.78		TAS		148.4	1.01	m_e	mb	5.8
BSEG	60.78		L	06:50:02.962						T__		11404.3	18.10	a_e	Ms	6.1
BUG	63.25		P	06:21:55.719	-0.2	74.0		6.78		TAS		120.3	1.24	m_e	mb	5.9
CLL	59.84		P	06:21:32.248	-0.2	74.0		6.78		TAS		77.3	1.18	m_e	mb	5.6
CLL	59.84		L	06:50:14.991						T__		4416.7	18.80	a_e	Ms	5.6
CLZ	61.28		P	06:21:42.702	-0.1	74.0		6.78		TAS		170.1	0.99	m_e	mb	5.8
FLT1	60.64		P	06:21:37.505	0.2	74.0		6.78		TAS		123.2	1.14	m_e	mb	5.6
FUR	61.75		P	06:21:46.219		74.0		6.78		TAS		250.6	0.91	m_e	mb	6.4
FUR	61.75		L	06:50:36.059						T__		3453.8	19.40	a_e	Ms	5.5
GEC2	60.01		P	06:21:34.234	0.6	74.0		6.78		TAS		148.5	1.20	m_e	mb	5.9
GEC2	60.01		L	06:49:31.774						T__		3707.3	20.70	a_e	Ms	5.5
GOR1	60.44		P	06:21:36.991	-0.3	74.0		6.78		TAS		174.4	1.22	m_e	mb	6.0
GRA1	61.35		P	06:21:43.696	-0.1	74.0		6.78		TAS		141.3	0.99	m_e	mb	5.8
GRA1	61.35		L	06:50:37.981						T__		4721.0	19.30	a_e	Ms	5.7
GTTG	61.61		P	06:21:44.817	-0.5	74.0		6.78		TAS		138.4	1.11	m_e	mb	6.1
IBBN	62.70		P	06:21:51.902	-0.3	74.0		6.78		TAS		139.3	1.24	m_e	mb	6.0
KAST	62.64		P	06:21:51.742	-0.2	74.0		6.78		TAS		78.7	1.43	m_e	mb	5.6

MOX	60.85	P	06:21:39.446	-0.0	74.0	6.78	TAS	97.7	1.23	m_e	mb	5.5
MOX	60.85	L	06:50:55.990				T__	5407.8	18.90	a_e	Ms	5.7
NEUB	60.61	P	06:21:38.004	-0.1	74.0	6.78	TAS	134.2	1.02	m_e	mb	5.7
PLN	60.56	P	06:21:37.611	0.2	74.0	6.78	TAS	28.4	1.12	m_e	mb	5.0
RETH	61.64	P	06:21:45.040	0.0	74.0	6.78	TAS	299.1	2.05	m_e	mb	6.2
TANN	60.39	P	06:21:36.560	0.5	74.0	6.78	TAS	73.0	0.99	m_e	mb	5.7
TNS	62.91	P	06:21:53.381	0.3	74.0	6.78	TAS	81.0	1.10	m_e	mb	5.8
TNS	62.91	L	06:52:54.790				T__	3780.6	20.50	a_e	Ms	5.5
UBR	62.64	P	06:21:51.378		74.0	6.78	TAS	118.1	1.22	m_e	mb	5.9
WET	60.46	P	06:21:37.200	-0.5	74.0	6.78	TAS	76.8	1.03	m_e	mb	5.7
WET	60.46	L	06:48:17.716				T__	2307.7	19.70	a_e	Ms	5.3
WLF	64.49	P	06:22:04.570	0.4	74.0	6.78	TAS	245.2	1.13	m_e	mb	6.3

Event 10319004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/19	17:57:27.70			-14.4900	166.8500				25.0					137.62	140.21	m i ke	EMSC
10319036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	10319010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
CLL	137.62		PKPdf	18:16:52.813		38.1		1.03		TAS					m_e	
CLZ	138.19		PKPdf	18:16:50.129		38.1		1.03		TAS					m_e	
GEC2	139.21		PKPdf	18:16:54.522		38.1		1.03		TAS					m_e	
GRA1	139.60		PKP	18:16:53.278		38.1		1.03		TAS					m_e	
GRA1	139.60		L	19:17:06.494						T__	159.9	21.50		a_e	Ms	4.7
KAST	139.40		PKPdf	18:16:54.034		38.1		1.03		TAS					m_e	
MOX	138.68		L	19:20:56.751						T__	161.8	20.20		a_e	Ms	4.8
TANN	138.53		PKPdf	18:16:52.732		38.1		1.03		TAS					m_e	
TNS	140.21		PKPdf	18:16:55.010		38.1		1.03		TAS					m_e	

Event 10319005 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/19	18:52:43.60			-35.6900	178.8300				183.0				24	160.01	165.50	m i ke	EMSC
10319037																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	10319011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	161.47	PKPab	19:13:06.819	-0.2	37.5	4.43	TAS	a_e										
BFO	165.50	PKPab	19:13:24.619		37.5	4.43	TAS	m_e										
BRG	161.28	PKPab	19:13:05.919	0.1	37.5	4.43	TAS	a_e										
BSEG	160.01	PKPab	19:13:00.319	-0.3	37.5	4.43	TAS	a_e										
CLL	161.32	PKPab	19:13:05.819	0.2	37.5	4.43	TAS	m_e										
CLZ	161.81	PKPab	19:13:08.569	-0.3	37.5	4.43	TAS	a_e										
FLT1	161.12	PKPab	19:13:04.819	0.3	37.5	4.43	TAS	a_e										
FUR	164.47	PKPab	19:13:20.469		37.5	4.43	TAS	a_e										
GEC2	162.88	PKPab	19:13:13.019		37.5	4.43	TAS	a_e										
GOR1	160.53	PKPab	19:13:02.969	-0.7	37.5	4.43	TAS	a_e										
GRA1	163.30	PKPab	19:13:15.369	0.1	37.5	4.43	TAS	a_e										
GRA1	163.30	L	20:09:34.009				T__				183.1	18.80	a_e Ms				5.0	
GTTG	162.20	PKPab	19:13:10.119	0.2	37.5	4.43	TAS	a_e										
IBBN	162.15	PKPab	19:13:09.519	0.4	37.5	4.43	TAS	a_e										
KAST	162.97	PKPab	19:13:13.119	0.2	37.5	4.43	TAS	a_e										
MOX	162.38	PKPab	19:13:10.869	-0.1	37.5	4.43	TAS	a_e										
MOX	162.38	L	20:10:00.400				T__				155.3	20.40	a_e Ms				4.8	
NEUB	161.88	PKPab	19:13:08.569	0.1	37.5	4.43	TAS	a_e										
PLN	162.30	PKPab	19:13:10.619	-0.1	37.5	4.43	TAS	a_e										
RETH	161.34	PKPab	19:13:05.969	-0.2	37.5	4.43	TAS	a_e										
STU	164.81	PKPab	19:13:21.719		37.5	4.43	TAS	a_e										
TANN	162.24	PKPab	19:13:10.319	-0.8	37.5	4.43	TAS	a_e										
TNS	163.82	PKPab	19:13:17.169	0.3	37.5	4.43	TAS	a_e										
UBR	165.34	PKPab	19:13:23.819		37.5	4.43	TAS	a_e										
WET	163.03	PKPab	19:13:13.969	-0.2	37.5	4.43	TAS	a_e										
WLF	164.98	PKPab	19:13:22.419	0.2	37.5	4.43	TAS	a_e										

Event 10320001 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
2021/03/20	00:26:29.11			40.7740	142.5170				33.0			17		77.01	82.35	m i ke	BGR
	10320007																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10320007
Ms	4.3		BGR	10320007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.36		P	00:38:25.114	-0.1	35.3		5.40		TAS		7.4	1.16	m_e mb	4.7
BFO	82.35		P	00:38:46.306		35.3		5.40		TAS		7.5	0.78	m_e mb	4.9
BFO	82.35		L	01:16:06.753						T__		120.1	21.00	a_e Ms	4.2
BRG	78.17		P	00:38:23.943	-0.3	35.3		5.40		TAS		6.0	1.00	m_e mb	4.7
BSEG	77.01		P	00:38:17.857	-0.5	35.3		5.40		TAS		11.7	1.00	m_e mb	5.0
BSEG	77.01		L	01:15:04.422						T__		258.7	18.90	a_e Ms	4.6
CLL	78.18		P	00:38:23.717	0.3	35.3		5.40		TAS		8.6	0.80	m_e mb	4.9
CLL	78.18		L	01:14:54.927						T__		141.9	18.60	a_e Ms	4.3

CLZ	78.70	P	00:38:27.144	-0.1	35.3	5.40	TAS	12.6	1.01	m_e	mb	4.9
FLT1	78.00	P	00:38:22.630	0.0	35.3	5.40	TAS	10.7	0.87	m_e	mb	5.0
FUR	81.38	P	00:38:41.432		35.3	5.40	TAS	17.6	0.89	m_e	mb	5.1
FUR	81.38	L	01:15:53.967				T__	119.1	19.70	a_e	Ms	4.2
GEC2	79.89	P	00:38:33.268		35.3	5.40	TAS	3.6	0.74	m_e	mb	4.4
GRA1	80.16	P	00:38:35.246		35.3	5.40	TAS	19.0	0.90	m_e	mb	5.0
GRA1	80.16	L	01:15:51.350				T__	95.7	20.90	a_e	Ms	4.1
GTTG	79.09	P	00:38:29.161	-0.1	35.3	5.40	TAS	13.3	1.10	m_e	mb	4.9
IBBN	79.22	P	00:38:29.687	-0.4	35.3	5.40	TAS	10.2	0.82	m_e	mb	4.9
KAST	79.92	P	00:38:33.454	0.0	35.3	5.40	TAS	5.9	1.18	m_e	mb	4.4
MOX	79.23	P	00:38:29.685	0.0	35.3	5.40	TAS	7.2	1.08	m_e	mb	4.6
MOX	79.23	L	01:16:41.053				T__	128.0	18.00	a_e	Ms	4.3
PLN	79.16	P	00:38:29.281		35.3	5.40	TAS	1.3	0.87	m_e	mb	4.0
STU	81.67	P	00:38:42.851		35.3	5.40	TAS	30.1	0.80	m_e	mb	5.5
TNS	80.73	L	01:17:13.389				T__	130.4	18.30	a_e	Ms	4.3
WET	79.97	P	00:38:34.061		35.3	5.40	TAS	8.7	1.00	m_e	mb	4.6
WET	79.97	L	01:17:10.792				T__	177.7	19.40	a_e	Ms	4.4

Event 10320002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	01:49:08.42			45.9880	-28.9970				33.0			25		24.35	28.74	m i ke	BGR
10320008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10320008
MBB	6.0		BGR	10320008
Ms	5.6		BGR	10320008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	26.43	P		01:54:41.338	-0.2	277.7		8.99		TAS		469.3	1.85	m_e	mb	5.8
BFO	25.31	P		01:54:31.217		277.7		8.99		TAS		1016.8	2.63	m_e	mb	6.1
BFO	25.31	L		02:02:53.580						T__		24070.2	19.70	a_e	Ms	5.7
BRG	28.58	P		01:55:00.315	-0.8	277.7		8.99		TAS		225.7	1.74	m_e	mb	5.7
BSEG	26.20	P		01:54:38.211	0.0	277.7		8.99		TAS		1454.1	2.44	m_e	mb	6.2
BSEG	26.20	L		02:03:13.317						T__		17492.4	22.00	a_e	Ms	5.6
BUG	24.35	P		01:54:21.541	-1.0	277.7		8.99		TAS		386.1	1.40	m_e	mb	5.7
CLL	27.94	P		01:54:54.637	-0.3	277.7		8.99		TAS		117.3	1.29	m_e	mb	5.6
CLL	27.94	L		02:04:17.156						T__		11079.8	20.90	a_e	Ms	5.4
CLZ	26.26	P		01:54:39.936	-1.1	277.7		8.99		TAS		700.4	1.79	m_e	mb	6.0
FLT1	26.77	P		01:54:43.642	0.4	277.7		8.99		TAS		209.9	1.55	m_e	mb	5.6
FUR	27.28	P		01:54:49.984		277.7		8.99		TAS		192.1	1.42	m_e	mb	5.6
FUR	27.28	L		02:04:14.004						T__		23176.5	19.20	a_e	Ms	5.8
GEC2	28.74	P		01:55:02.237	1.3	277.7		8.99		TAS		125.9	1.42	m_e	mb	5.5
GEC2	28.74	L		02:04:50.335						T__		23395.7	20.20	a_e	Ms	5.8
GOR1	26.79	P		01:54:43.941	0.3	277.7		8.99		TAS		1376.6	2.13	m_e	mb	6.3

GRA1	27.00	P	01:54:46.997	-0.0	277.7	8.99	TAS	512.8	1.75	m_e	mb	6.0
GRA1	27.00	L	02:03:38.596				T__	21161.3	21.70	a_e	Ms	5.7
GTTG	26.02	P	01:54:37.426	-0.2	277.7	8.99	TAS	1348.6	2.88	m_e	mb	6.1
IBBN	24.64	P	01:54:24.675	0.5	277.7	8.99	TAS	371.6	1.12	m_e	mb	6.0
KAST	25.07	P	01:54:28.273	-0.4	277.7	8.99	TAS	892.9	2.03	m_e	mb	6.1
MOX	27.13	P	01:54:47.421	-0.6	277.7	8.99	TAS	80.0	1.27	m_e	MBB	5.9
MOX	27.13	L	02:03:30.804				T__	12799.5	21.40	a_e	Ms	5.5
NEUB	27.18	P	01:54:47.855	-0.5	277.7	8.99	TAS	300.6	1.40	m_e	mb	5.8
PLN	27.50	P	01:54:50.410	0.1	277.7	8.99	TAS	72.1	1.93	m_e	mb	5.2
RETH	25.62	P	01:54:33.110	0.0	277.7	8.99	TAS	1047.1	2.12	m_e	mb	6.1
RUE	28.32	P	01:54:57.701	-0.1	277.7	8.99	TAS	141.6	1.17	m_e	mb	5.7
STU	25.81	P	01:54:35.851		277.7	8.99	TAS	1312.6	2.32	m_e	mb	6.2
TANN	27.70	P	01:54:52.460	-0.4	277.7	8.99	TAS	218.1	2.07	m_e	mb	5.6
TNS	25.16	P	01:54:30.584	-0.2	277.7	8.99	TAS	3700.3	3.35	m_e	mb	6.5
TNS	25.16	L	02:02:20.727				T__	16312.0	22.00	a_e	Ms	5.5
UBR	26.60	P	01:54:43.885		277.7	8.99	TAS	61.0	1.26	m_e	mb	5.2
WET	28.15	P	01:54:56.820	1.0	277.7	8.99	TAS	120.0	1.69	m_e	mb	5.5
WET	28.15	L	02:04:43.464				T__	24061.3	19.90	a_e	Ms	5.8

Event 10320003 Near coast of Guerrero, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	03:06:34.30			16.7060	-98.6450				33.0					87.30	91.46	m i ke	BGR
	10320009																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10320009
Ms	5.2		BGR	10320009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	88.27		P	03:19:23.366		288.8		4.65		TAS		15.1	1.16	m_e	mb	5.2
BFO	88.48		P	03:19:23.462		288.8		4.65		TAS		3.0	0.84	m_e	mb	4.5
BFO	88.48		L	03:59:59.561						T__		1057.4	20.60	a_e	Ms	5.2
BRG	90.66		P	03:19:34.000		288.8		4.65		TAS		11.0	1.20	m_e	mb	5.1
BSEG	87.30		P	03:19:19.046		288.8		4.65		TAS		15.3	1.09	m_e	mb	5.0
BSEG	87.30		L	04:00:52.111						T__		1089.5	21.30	a_e	Ms	5.2
CLL	89.93		P	03:19:30.566		288.8		4.65		TAS		6.7	1.17	m_e	mb	4.8
CLL	89.93		L	04:05:46.497						T__		819.8	21.20	a_e	Ms	5.1
CLZ	88.22		P	03:19:23.322		288.8		4.65		TAS		12.4	1.10	m_e	mb	5.2
FLT1	88.49		P	03:19:23.907		288.8		4.65		TAS		13.7	1.43	m_e	mb	5.0
FUR	90.33		L	04:01:05.512						T__		879.2	22.00	a_e	Ms	5.2
GEC2	91.46		L	04:02:52.278						T__		847.0	20.10	a_e	Ms	5.2
GRA1	89.63		P	03:19:28.506		288.8		4.65		TAS		8.8	0.88	m_e	mb	5.0
GRA1	89.63		L	04:03:13.372						T__		1164.7	18.50	a_e	Ms	5.3
GTTG	88.12		P	03:19:23.041		288.8		4.65		TAS		9.3	0.97	m_e	mb	5.1
KAST	87.37		P	03:19:19.012		288.8		4.65		TAS		12.4	1.24	m_e	mb	4.9

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Wed Jan 11 09:16:10 2023

62

MOX	89.44	P	03:19:28.240	288.8	4.65	TAS	3.3	1.03	m_e	mb	4.5
MOX	89.44	L	04:03:26.708			T__	1403.6	18.80	a_e	Ms	5.4
TNS	87.79	P	03:19:20.726	288.8	4.65	TAS	16.0	1.07	m_e	mb	5.3
TNS	87.79	L	03:59:54.928			T__	641.4	21.00	a_e	Ms	5.0
WET	90.85	L	04:03:57.027			T__	1124.0	19.50	a_e	Ms	5.3

Event 10320004 South of Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	05:09:34.30			-24.8000	-175.7900				10.0					150.46	154.48	m i ke	EMSC
	10320036																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	10320010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	152.19		PKPab	05:29:30.187		15.0		3.93		TAS				m_e		
BRG	152.83		PKPab	05:29:31.556		15.0		3.93		TAS				m_e		
BSEG	150.46		PKPab	05:29:25.383		15.0		3.93		TAS				m_e		
CLL	152.61		PKPab	05:29:31.407		15.0		3.93		TAS				m_e		
CLZ	152.51		PKPab	05:29:30.959		15.0		3.93		TAS				m_e		
FLT1	151.91		PKPab	05:29:29.267		15.0		3.93		TAS				m_e		
GOR1	151.26		PKPab	05:29:28.244		15.0		3.93		TAS				m_e		
GRA1	154.48		PKPab	05:29:38.056		15.0		3.93		TAS				m_e		
GRA1	154.48		L	06:36:45.564						T__		413.2	21.50	a_e	Ms	5.2
IBBN	152.31		PKPab	05:29:30.212		15.0		3.93		TAS				m_e		
KAST	153.35		PKPab	05:29:33.152		15.0		3.93		TAS				m_e		
MOX	153.49		L	06:27:08.829						T__		302.6	20.40	a_e	Ms	5.1
RETH	151.75		PKPab	05:29:28.072		15.0		3.93		TAS				m_e		
RUE	151.35		PKPab	05:29:28.969		15.0		3.93		TAS				m_e		

Event 10320005 West of Macquarie Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	05:19:31.30			-59.6500	150.2100				10.0					152.90	157.44	m i ke	EMSC
	10320037																

Magnitude	Err	Nsta	Author	OrigID
Ms	6.0		BGR	10320011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	155.27		PKPbc	05:39:32.968						T__				m_e	
BFO	155.27		PKPab	05:39:49.470		128.8		4.96		TAS				m_e	

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Wed Jan 11 09:16:10 2023

63

CLL	154.77	PKPab	05:39:48.574	128.8	4.96	TAS											m_e
CLL	154.77	L	07:04:49.894			T__	2298.0	18.10									a_e Ms 6.0
CLZ	156.42	PKPbc	05:39:34.760			T__											m_e
GEC2	152.90	PKPbc	05:39:28.562			TAS											m_e
GOR1	156.59	PKPbc	05:39:38.643			TAS											m_e
GOR1	156.59	PKPab	05:39:55.892	128.8	4.96	TAS											m_e
GRA1	154.69	PKPbc	05:39:32.669			TAS											m_e
GRA1	154.69	L	06:48:00.845			T__	2025.6	21.20									a_e Ms 5.9
GTTG	156.45	PKPab	05:39:56.041	128.8	4.96	TAS											m_e
MOX	155.08	PKPbc	05:39:32.893			T__											m_e
MOX	155.08	PKPab	05:39:49.470	128.8	4.96	TAS											m_e
MOX	155.08	L	07:02:08.030			T__	2353.1	19.30									a_e Ms 6.0
NEUB	155.33	PKPab	05:39:51.188	128.8	4.96	TAS											m_e
RETH	157.44	PKPab	05:39:59.850	128.8	4.96	TAS											m_e
TANN	154.51	PKPbc	05:39:31.026			T__											m_e
TNS	156.42	PKPbc	05:39:32.968			T__											m_e
TNS	156.42	PKPab	05:39:54.697	128.8	4.96	TAS											m_e
WET	153.51	PKPbc	05:39:30.480			T__											m_e

Event 10320006 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	09:09:44.35			38.0280	140.4390				33.0			28		77.14	83.96	m i ke	BGR
	10320012																

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	10320012
MBB	6.8		BGR	10320012
Ms	7.2		BGR	10320012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	80.02		P	09:21:49.137	-0.2	38.1		5.28		TAS		781.5	1.53	m_e	mb 6.4
BFO	83.96		P	09:22:09.904	0.4	38.1		5.28		TAS		1101.9	1.08	m_e	MBB 7.0
BFO	83.96		L	10:02:54.172						T__		62497.9	21.70	a_e	Ms 7.0
BRG	79.71		P	09:21:47.780	0.0	38.1		5.28		TAS		582.6	1.34	m_e	mb 6.3
BSEG	78.72		P	09:21:42.410	-0.1	38.1		5.28		TAS		569.9	0.97	m_e	mb 6.6
BSEG	78.72		L	10:02:04.801						T__		87233.9	19.90	a_e	Ms 7.1
BUG	81.83		P	09:21:58.467	-0.5	38.1		5.28		TAS		560.9	1.08	m_e	mb 6.6
CLL	79.75		P	09:21:47.526	-0.5	38.1		5.28		TAS		549.9	0.96	m_e	mb 6.5
CLL	79.75		L	10:00:23.061						T__		108458.0	20.80	a_e	Ms 7.2
CLZ	80.36		P	09:21:51.276	0.1	38.1		5.28		TAS		1473.9	1.36	m_e	mb 6.7
FLT1	79.64		P	09:21:46.685	-0.7	38.1		5.28		TAS		501.7	0.95	m_e	mb 6.4
FUR	82.91		P	09:22:05.042	-0.3	38.1		5.28		TAS		753.4	0.97	m_e	mb 6.9
FUR	82.91		L	10:02:14.079						T__		130867.0	20.10	a_e	Ms 7.3
GEC2	81.37		P	09:21:56.587	0.0	38.1		5.28		TAS		236.1	1.12	a_e	MBB 6.6
GEC2	81.37		L	10:00:40.655						T__		131297.0	22.00	a_e	Ms 7.2

GOR1	79.10	P	09:21:44.804	0.3	38.1	5.28	TAS	929.7	1.36	m_e	mb	6.6
GRA1	81.73	P	09:21:58.885	0.5	38.1	5.28	TAS	693.2	1.07	m_e	mb	6.7
GRA1	81.73	L	10:01:42.286				T__	84412.3	20.60	a_e	Ms	7.1
GTTG	80.75	P	09:21:53.252	0.0	38.1	5.28	TAS	531.1	1.02	m_e	mb	6.5
HLG	79.39	P	09:21:46.974	1.1	38.1	5.28	TAS	709.1	0.96	m_e	mb	6.7
IBBN	80.95	P	09:21:53.990	-0.3	38.1	5.28	TAS	758.3	0.91	m_e	mb	6.7
KAST	81.60	P	09:21:57.475	-0.3	38.1	5.28	TAS	411.8	1.16	m_e	mb	6.5
MOX	80.82	P	09:21:53.580	-0.0	38.1	5.28	TAS	311.6	1.10	m_e	MBB	6.7
MOX	80.82	L	10:01:13.848				T__	81342.0	20.80	a_e	Ms	7.1
NEUB	80.33	P	09:21:50.737	-0.3	38.1	5.28	TAS	698.0	1.11	m_e	mb	6.5
PLN	80.73	P	09:21:53.226	0.1	38.1	5.28	TAS	112.0	1.18	m_e	mb	5.8
RETH	80.02	P	09:21:49.323	-0.0	38.1	5.28	TAS	941.8	1.26	m_e	mb	6.6
RGN	77.14	P	09:21:34.041	-0.1	38.1	5.28	TAS	911.4	1.02	m_e	mb	6.8
RUE	78.55	P	09:21:41.721	0.1	38.1	5.28	TAS	575.1	1.08	m_e	mb	6.5
STU	83.26	P	09:22:06.543	-0.3	38.1	5.28	TAS	1162.6	1.05	m_e	mb	7.0
TANN	80.66	P	09:21:52.855	-0.3	38.1	5.28	TAS	289.5	1.30	m_e	mb	6.2
TNS	82.38	P	09:22:01.603	0.5	38.1	5.28	TAS	398.6	1.14	m_e	mb	6.4
TNS	82.38	L	10:03:07.236				T__	79842.0	21.80	a_e	Ms	7.0
UBR	83.77	P	09:22:08.857		38.1	5.28	TAS	308.1	1.09	m_e	mb	6.5
WET	81.48	P	09:21:57.548	0.1	38.1	5.28	TAS	365.4	1.14	m_e	MBB	6.8
WET	81.48	L	10:01:12.413				T__	171688.0	20.60	a_e	Ms	7.4
WLF	83.69	P	09:22:09.327	0.5	38.1	5.28	TAS	1648.8	2.00	m_e	mb	6.9

Event 10320007 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	11:49:27.51			49.9260	155.1940				33.0			17		73.52	78.09	m i ke	BGR
10320013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10320013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.92		P	12:01:20.628		23.0		5.72		TAS		18.7	1.21	m_e	mb	5.1
BRG	74.16		P	12:00:59.020	0.1	23.0		5.72		TAS		8.7	1.02	m_e	mb	4.7
BUG	75.26		P	12:01:05.396	0.0	23.0		5.72		TAS		18.2	1.05	m_e	mb	5.0
CLL	74.01		P	12:00:58.206	0.2	23.0		5.72		TAS		20.4	0.90	m_e	mb	5.2
CLZ	74.17		P	12:00:59.926	-0.1	23.0		5.72		TAS		26.5	0.99	m_e	mb	5.2
FLT1	73.52		P	12:00:55.317	-0.4	23.0		5.72		TAS		17.1	0.97	m_e	mb	5.0
GEC2	76.07		P	12:01:10.406		23.0		5.72		TAS		8.0	0.97	m_e	mb	4.8
GRA1	75.95		P	12:01:10.169		23.0		5.72		TAS		35.0	0.95	m_e	mb	5.5
GRA1	75.95		L	12:35:17.570						T__		533.7	20.10	a_e		
IBBN	74.34		P	12:01:00.358	0.3	23.0		5.72		TAS		20.7	0.93	m_e	mb	5.2
KAST	75.22		P	12:01:05.718	0.5	23.0		5.72		TAS		15.5	0.97	m_e	mb	5.0
MOX	74.97		P	12:01:03.956	-0.3	23.0		5.72		TAS		15.3	1.05	m_e	mb	5.0
MOX	74.97		L	12:39:12.040						T__		565.0	20.00	a_e		

PLN	74.98	P	12:01:04.219	23.0	5.72	TAS	3.7	0.98	m_e	mb	4.4
RETH	73.58	P	12:00:56.108	-0.2	23.0	TAS	15.5	1.11	m_e	mb	5.0
TANN	74.97	P	12:01:04.034	23.0	5.72	TAS	5.9	0.99	m_e	mb	4.6
TNS	76.13	P	12:01:10.855	23.0	5.72	TAS	16.8	0.84	m_e	mb	5.2
UBR	78.09	P	12:01:21.484	23.0	5.72	TAS	13.9	1.20	m_e	mb	5.0
WET	76.02	P	12:01:10.543	23.0	5.72	TAS	17.9	0.93	m_e	mb	5.2

Event 10320008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	15:26:55.79			50.6040	155.4010				33.0			22		71.67	77.52	m i ke	BGR
	10320014																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10320014
Ms	5.1		BGR	10320014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.34		P	15:38:45.471		22.6		5.76		TAS		35.7	1.14	m_e	mb	5.4
BFO	77.34		L	16:16:49.954						T__		721.0	19.90	a_e	Ms	5.0
BRG	73.60		P	15:38:24.629	-0.1	22.6		5.76		TAS		17.5	0.93	m_e	mb	5.1
BSEG	71.67		L	16:04:09.504						T__		530.5	21.30	a_e	Ms	4.8
BUG	74.67		P	15:38:30.588	0.1	22.6		5.76		TAS		36.5	0.97	m_e	mb	5.4
CLL	73.44		P	15:38:23.262	0.2	22.6		5.76		TAS		46.9	0.82	m_e	mb	5.6
CLL	73.44		L	16:15:33.260						T__		971.2	19.00	a_e	Ms	5.1
CLZ	73.59		P	15:38:24.982	0.0	22.6		5.76		TAS		49.4	0.91	m_e	mb	5.5
FLT1	72.94		P	15:38:20.200	0.2	22.6		5.76		TAS		29.7	0.81	m_e	mb	5.5
FUR	76.77		P	15:38:43.178		22.6		5.76		TAS		47.3	0.99	m_e	mb	5.6
FUR	76.77		L	16:19:46.302						T__		738.7	18.00	a_e	Ms	5.0
GEC2	75.51		P	15:38:35.451	-0.7	22.6		5.76		TAS		24.0	0.88	m_e	mb	5.3
GEC2	75.51		L	16:16:42.212						T__		1960.4	18.90	a_e	Ms	5.4
GRA1	75.38		P	15:38:35.161	-0.2	22.6		5.76		TAS		71.1	0.89	m_e	mb	5.7
GRA1	75.38		L	16:18:51.818						T__		798.7	18.00	a_e	Ms	5.1
GTTG	73.96		P	15:38:26.898	-0.1	22.6		5.76		TAS		27.2	0.89	m_e	mb	5.3
IBBN	73.75		P	15:38:25.551	0.1	22.6		5.76		TAS		38.6	0.83	m_e	mb	5.5
KAST	74.64		P	15:38:30.845	0.3	22.6		5.76		TAS		33.7	0.92	m_e	mb	5.4
MOX	74.40		P	15:38:29.203	0.5	22.6		5.76		TAS		35.5	1.05	m_e	mb	5.3
MOX	74.40		L	16:16:11.589						T__		722.3	18.90	a_e	Ms	5.0
NEUB	73.85		P	15:38:25.846	0.3	22.6		5.76		TAS		29.5	0.82	m_e	mb	5.3
PLN	74.41		P	15:38:29.362	-0.1	22.6		5.76		TAS		9.2	0.85	m_e	mb	4.8
RETH	72.99		P	15:38:20.660	-0.2	22.6		5.76		TAS		36.7	1.13	m_e	mb	5.4
STU	76.72		P	15:38:42.424		22.6		5.76		TAS		52.6	0.76	m_e	mb	5.7
TANN	74.40		P	15:38:29.031	0.3	22.6		5.76		TAS		96.2	1.94	m_e	mb	5.5
TNS	75.54		P	15:38:36.048	-0.2	22.6		5.76		TAS		44.3	0.74	m_e	mb	5.7
TNS	75.54		L	16:15:57.709						T__		611.1	21.30	a_e	Ms	4.9
UBR	77.52		P	15:38:46.965		22.6		5.76		TAS		44.3	1.28	m_e	mb	5.4

./bul2103.txt

Wed Jan 11 09:16:10 2023

66

WET	75.45	P	15:38:35.742	0.3	22.6	5.76	TAS	44.1	0.92	m_e	mb	5.6
WET	75.45	L	16:16:48.562				T__	1161.6	18.90	a_e	Ms	5.2
WLF	76.58	P	15:38:41.738		22.6	5.76	TAS	30.1	1.21	m_e	mb	5.3

Event 10320009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/20	15:42:38.70			-23.0900	171.6900				10.0					146.09	151.49	m i ke	EMSC
	10320041																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	10320015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.49		PKPbc	16:02:34.177		35.2		2.22		TAS				m_e	
BFO	151.49		L	17:06:17.672						T__		384.1	21.20	a_e	Ms 5.2
BRG	147.28		PKPbc	16:02:24.209		35.2		2.22		TAS				m_e	
BSEG	146.09		L	17:09:05.481						T__		404.9	20.20	a_e	Ms 5.2
CLL	147.31		PKPbc	16:02:24.122		35.2		2.22		TAS				m_e	
CLL	147.31		L	17:10:02.729						T__		443.5	21.60	a_e	Ms 5.2
CLZ	147.83		PKPbc	16:02:25.742		35.2		2.22		TAS				m_e	
FLT1	147.13		PKPbc	16:02:23.222		35.2		2.22		TAS				m_e	
FUR	150.47		L	17:08:35.272						T__		291.5	20.20	a_e	Ms 5.1
GEC2	148.92		PKPbc	16:02:28.857		35.2		2.22		TAS				m_e	
GEC2	148.92		L	17:08:52.642						T__		491.9	21.90	a_e	Ms 5.3
GRA1	149.29		PKPbc	16:02:27.782		35.2		2.22		TAS				m_e	
GRA1	149.29		L	17:12:11.807						T__		418.7	21.60	a_e	Ms 5.2
GTTG	148.22		PKPbc	16:02:26.685		35.2		2.22		TAS				m_e	
IBBN	148.27		PKPbc	16:02:27.122		35.2		2.22		TAS				m_e	
MOX	148.37		L	17:11:43.260						T__		366.2	20.70	a_e	Ms 5.2
NEUB	147.87		PKPbc	16:02:25.683		35.2		2.22		TAS				m_e	
PLN	148.29		PKPbc	16:02:26.827		35.2		2.22		TAS				m_e	
RETH	147.41		PKPbc	16:02:24.776		35.2		2.22		TAS				m_e	
STU	150.81		PKPbc	16:02:33.110		35.2		2.22		TAS				m_e	
TANN	148.23		PKPbc	16:02:26.460		35.2		2.22		TAS				m_e	
TNS	149.85		L	17:06:41.214						T__		443.1	21.60	a_e	Ms 5.2
UBR	151.34		PKPbc	16:02:34.217		35.2		2.22		TAS				m_e	
WET	149.04		PKPbc	16:02:28.918		35.2		2.22		TAS				m_e	
WET	149.04		L	17:05:11.430						T__		374.0	21.60	a_e	Ms 5.2
WLF	151.08		PKPbc	16:02:33.804		35.2		2.22		TAS				m_e	

Event 10320010 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2021/03/20 22:50:39.40 35.1800 27.6400 10.0 11 17.09 20.52 m i ke EMSC
 10320042

Magnitude Err Nsta Author OrigID
 mb 4.5 BGR 10320016
 Ms 3.6 BGR 10320016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	19.26		P	22:55:01.526	-0.1	135.2		12.04		TAS		20.3	1.11	m_e	mb 4.3
CLL	19.26		L	23:03:13.780						T__		226.5	20.70	a_e	Ms 3.5
FUR	17.77		P	22:54:43.035	-0.5	135.2		12.04		TAS		46.8	0.88	m_e	mb 4.6
GEC2	17.09		P	22:54:36.406	0.5	135.2		12.04		TAS				m_e	
GRA1	18.83		P	22:54:56.049	0.5	135.2		12.04		TAS		61.3	1.18	m_e	mb 4.7
GRA1	18.83		L	23:04:11.722						T__		466.0	18.40	a_e	Ms 3.8
MOX	19.33		P	22:55:02.761	-0.2	135.2		12.04		TAS		27.2	1.04	m_e	mb 4.4
MOX	19.33		L	23:04:11.903						T__		348.5	21.10	a_e	Ms 3.6
PLN	18.98		P	22:54:59.120	0.6	135.2		12.04		TAS		12.5	0.86	m_e	mb 4.2
STU	19.23		P	22:55:01.102	0.2	135.2		12.04		TAS		57.5	0.85	m_e	mb 4.8
TANN	18.80		P	22:54:56.357	-0.8	135.2		12.04		TAS		12.7	0.89	m_e	mb 4.2
TNS	20.52		P	22:55:16.617		135.2		12.04		TAS		42.2	0.75	m_e	mb 4.8
UBR	18.07		P	22:54:46.439	0.3	135.2		12.04		TAS		27.3	0.83	m_e	mb 4.4
WET	17.68		P	22:54:42.486	-0.6	135.2		12.04		TAS		39.3	0.89	m_e	mb 4.5

Event 10320011 Colombia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/03/20 23:46:11.38 5.1550 -69.8180 10.0 14 77.03 82.10 m i ke BGR
 10320017

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10320017
 Ms 3.8 BGR 10320017

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	82.10		P	23:58:31.351		266.5		5.38		TAS		7.0	0.99	m_e	mb 4.8
BUG	77.95		P	23:58:08.912	0.1	266.5		5.38		TAS		23.0	1.13	m_e	mb 5.2
CLL	81.52		L	00:40:18.779						T__		45.1	18.30	a_e	Ms 3.9
CLZ	79.91		P	23:58:19.767	-0.3	266.5		5.38		TAS		15.9	1.09	m_e	mb 4.9
GEC2	81.89		P	23:58:30.101		266.5		5.38		TAS		7.5	0.76	m_e	mb 4.9
GRA1	80.30		P	23:58:22.663		266.5		5.38		TAS		32.1	1.74	m_e	mb 5.0
GRA1	80.30		L	00:35:15.303						T__		68.8	18.00	a_e	Ms 4.0
IBBN	78.35		P	23:58:11.547	-0.1	266.5		5.38		TAS		28.3	1.14	m_e	mb 5.3
MOX	80.61		L	00:36:25.461						T__		20.5	18.00	a_e	Ms 3.5
PLN	80.95		P	23:58:25.190		266.5		5.38		TAS		2.7	0.92	m_e	mb 4.3
RETH	79.37		P	23:58:17.098	-0.2	266.5		5.38		TAS		23.0	1.33	m_e	mb 5.0

STU	78.92	P	23:58:14.355	0.7	266.5	5.38	TAS	39.3	0.79	m_e	mb	5.5
TANN	81.14	P	23:58:26.338		266.5	5.38	TAS	10.5	1.10	m_e	mb	4.8
TNS	78.56	P	23:58:12.712	0.2	266.5	5.38	TAS	12.8	0.97	m_e	mb	4.9
UBR	79.44	P	23:58:17.299	-0.1	266.5	5.38	TAS	20.1	1.07	m_e	mb	5.1
WET	81.36	P	23:58:27.880		266.5	5.38	TAS	12.5	1.14	m_e	mb	4.8
WLF	77.03	P	23:58:04.062	-0.2	266.5	5.38	TAS	17.3	0.78	m_e	mb	5.2

Event 10321006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/21	20:58:26.82			50.6420	155.5410				33.0			11		72.93	77.34	m i ke	BGR
	10321012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10321012
Ms	3.7		BGR	10321012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	77.34	P		21:10:16.672		22.5		5.76		TAS		3.5	0.83	m_e	mb	4.5
CLL	73.44	P		21:09:54.273	0.4	22.5		5.76		TAS		6.4	0.84	m_e	mb	4.7
CLZ	73.59	P		21:09:56.190	0.1	22.5		5.76		TAS		6.8	0.91	m_e	mb	4.7
FLT1	72.93	P		21:09:51.236	0.0	22.5		5.76		TAS		8.4	0.93	m_e	mb	4.9
GEC2	75.52	P		21:10:06.464		22.5		5.76		TAS		3.0	0.80	m_e	mb	4.5
GRA1	75.38	P		21:10:06.188		22.5		5.76		TAS		12.1	0.89	m_e	mb	4.9
GRA1	75.38	L		21:45:16.564						T__		30.1	19.00	a_e	Ms	3.6
KAST	74.63	P		21:10:01.510		22.5		5.76		TAS		7.7	0.96	m_e	mb	4.7
MOX	74.40	P		21:10:00.232		22.5		5.76		TAS		2.5	0.65	m_e	mb	4.4
MOX	74.40	L		21:44:10.271						T__		42.0	18.60	a_e	Ms	3.8
PLN	74.41	P		21:10:00.122		22.5		5.76		TAS		1.3	0.89	m_e	mb	4.0
TNS	75.54	P		21:10:06.807		22.5		5.76		TAS		6.1	0.70	m_e	mb	4.8
WET	75.46	P		21:10:06.631		22.5		5.76		TAS		6.0	0.82	m_e	mb	4.8

Event 10321007 Bering Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/21	21:13:30.83			57.2940	164.8890				33.0			9		67.09	72.84	m i ke	BGR
	10321013																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10321013
Ms	4.4		BGR	10321013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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BFO	72.84	P	21:24:54.957	14.7	6.08	TAS	16.4	1.50	m_e	mb	4.9
BFO	72.84	L	21:59:17.324			T__	177.8	20.90	a_e	Ms	4.3
BRG	69.45	P	21:24:34.338	14.7	6.08	TAS	13.9	1.22	m_e	mb	5.0
BSEG	67.09	L	21:56:42.065			T__	278.5	18.80	a_e	Ms	4.5
CLL	69.20	P	21:24:32.906	14.7	6.08	TAS	20.8	1.20	m_e	mb	5.2
CLL	69.20	L	21:56:09.897			T__	230.9	20.80	a_e	Ms	4.4
FUR	72.53	L	21:59:14.224			T__	161.7	21.50	a_e	Ms	4.3
GEC2	71.45	P	21:24:46.602	14.7	6.08	TAS	3.9	0.77	m_e	mb	4.6
GEC2	71.45	L	21:58:57.553			T__	275.6	21.30	a_e	Ms	4.5
GRA1	71.06	P	21:24:44.649	14.7	6.08	TAS	11.9	0.82	m_e	mb	5.1
GRA1	71.06	L	21:58:55.375			T__	201.2	19.40	a_e	Ms	4.4
MOX	70.07	P	21:24:38.397	14.7	6.08	TAS	9.4	1.08	m_e	mb	4.8
MOX	70.07	L	21:55:59.776			T__	222.1	21.30	a_e	Ms	4.4
PLN	70.14	P	21:24:39.025	14.7	6.08	TAS	1.6	0.77	m_e	mb	4.2
TANN	70.15	P	21:24:39.033	14.7	6.08	TAS	18.7	1.52	m_e	mb	5.0
TNS	70.97	L	21:59:31.945			T__	146.4	19.50	a_e	Ms	4.2
WET	71.30	P	21:24:46.018	14.7	6.08	TAS	10.9	1.05	m_e	mb	4.9
WET	71.30	L	21:57:57.497			T__	257.9	20.40	a_e	Ms	4.5

Event 10322004 Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/22	04:37:37.29			2.0870	-71.6450				33.0			19		80.54	85.61	m i ke	BGR
OrigID 10322010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	10322010
Ms	4.2		BGR	10322010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	81.80	P		04:49:53.120		265.9		5.10		TAS		33.8	1.19	m_e	mb	5.3
BRG	85.61	P		04:50:13.896	0.4	265.9		5.10		TAS		20.6	0.93	m_e	mb	5.2
BSEG	83.59	P		04:50:02.982	-0.9	265.9		5.10		TAS		33.4	0.90	m_e	mb	5.6
BUG	81.48	P		04:49:51.760	-0.1	265.9		5.10		TAS		49.8	0.91	m_e	mb	5.5
CLL	85.04	P		04:50:10.619	0.1	265.9		5.10		TAS		18.5	0.81	m_e	mb	5.4
CLL	85.04	L		05:22:15.334						T__		108.5	20.20	a_e	Ms	4.2
CLZ	83.44	P		04:50:02.270	-0.0	265.9		5.10		TAS		36.9	0.91	m_e	mb	5.6
FLT1	84.01	P		04:50:04.760	6.4	265.9		5.10		TAS		38.5	0.97	m_e	mb	5.6
GEC2	85.39	P		04:50:12.581		265.9		5.10		TAS		28.7	0.84	m_e	mb	5.5
GRA1	83.81	L		05:25:19.470						T__		114.9	20.20	a_e	Ms	4.2
IBBN	81.88	P		04:49:53.973	-0.3	265.9		5.10		TAS		107.0	1.16	m_e	mb	5.9
KAST	82.16	P		04:49:55.201	0.1	265.9		5.10		TAS		28.2	1.31	m_e	mb	5.2
MOX	84.13	P		04:50:05.820	0.0	265.9		5.10		TAS		10.0	0.93	a_e	mb	5.0
MOX	84.13	L		05:23:53.056						T__		118.6	19.40	a_e	Ms	4.3
PLN	84.46	P		04:50:07.864	-0.9	265.9		5.10		TAS		11.1	1.03	m_e	mb	5.0
RETH	82.90	P		04:49:59.470	-0.2	265.9		5.10		TAS		40.2	1.01	m_e	mb	5.6

Magnitude Err Nsta Author OrigID
 Ms 4.5 BGR 10322012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	166.54		PKPab	18:36:18.884		47.1		3.86		TAS				m_e	
BRG	162.15		PKPab	18:35:59.664		47.1		3.86		TAS				m_e	
BSEG	161.39		PKPab	18:35:56.219		47.1		3.86		TAS				m_e	
CLL	162.30		PKPab	18:36:00.162		47.1		3.86		TAS				m_e	
CLZ	163.03		PKPab	18:36:03.429		47.1		3.86		TAS				m_e	
GRA1	164.24		PKPab	18:36:08.743		47.1		3.86		TAS				m_e	
GRA1	164.24		L	19:01:45.467						T__		57.9	19.30	a_e Ms	4.5
IBBN	163.60		PKPab	18:36:05.676		47.1		3.86		TAS				m_e	
KAST	164.28		PKPab	18:36:08.276		47.1		3.86		TAS				m_e	
MOX	163.39		PKPab	18:36:05.219		47.1		3.86		TAS				m_e	
MOX	163.39		L	19:07:22.521						T__		72.2	20.40	a_e Ms	4.5
NEUB	162.93		PKPab	18:36:03.288		47.1		3.86		TAS				m_e	
PLN	163.25		PKPab	18:36:04.938		47.1		3.86		TAS				m_e	
RETH	162.69		PKPab	18:36:01.953		47.1		3.86		TAS				m_e	
TANN	163.16		PKPab	18:36:04.131		47.1		3.86		TAS				m_e	
TNS	165.05		PKPab	18:36:12.456		47.1		3.86		TAS				m_e	
WLF	166.37		PKPab	18:36:18.700		47.1		3.86		TAS				m_e	

Event 10322007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/22	19:51:24.80			-18.3000	-178.1400				554.0					143.75	149.84	m i ke	EMSC

OrigID
10322039

Magnitude Err Nsta Author OrigID
 Ms 4.2 BGR 10322013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.47		PKPab	20:10:11.047		11.1		3.86		TAS				m_e	
BFO	149.50		PKPbc	20:10:12.631		14.4		2.69		TAS				m_e	
BFO	149.50		PKPab	20:10:19.323		11.1		3.86		TAS				m_e	
BRG	146.03		PKPbc	20:10:03.972		14.4		2.69		TAS				m_e	
BSEG	143.75		PKPdf	20:09:56.947						TAS				m_e	
CLL	145.82		PKPbc	20:10:03.170		14.4		2.69		TAS				m_e	
CLZ	145.78		PKPbc	20:10:03.234		14.4		2.69		TAS				m_e	
CLZ	145.78		L	20:51:56.912						T__		42.1	19.30	a_e Ms	4.2
FLT1	145.17		PKPbc	20:10:01.021		14.4		2.69		TAS				m_e	
FUR	149.16		PKPbc	20:10:12.310		14.4		2.69		TAS				m_e	
GEC2	147.98		PKPbc	20:10:09.327		14.4		2.69		TAS				m_e	
GRA1	147.71		PKPbc	20:10:08.816		14.4		2.69		TAS				m_e	
GRA1	147.71		PKPab	20:10:12.716		11.1		3.86		TAS				m_e	
GRA1	147.71		L	20:58:34.843						T__		38.3	18.10	a_e Ms	4.2

GTTG	146.12	PKPbc	20:10:04.228	14.4	2.69	TAS	m_e
IBBN	145.66	PKPbc	20:10:02.657	14.4	2.69	TAS	m_e
KAST	146.67	PKPbc	20:10:05.319	14.4	2.69	TAS	m_e
MOX	146.72	PKPbc	20:10:05.768	14.4	2.69	TAS	m_e
NEUB	146.16	PKPbc	20:10:04.293	14.4	2.69	TAS	m_e
PLN	146.77	PKPbc	20:10:05.832	14.4	2.69	TAS	m_e
RETH	145.05	PKPbc	20:10:00.539	14.4	2.69	TAS	m_e
STU	148.94	PKPab	20:10:16.789	11.1	3.86	TAS	m_e
TANN	146.77	PKPbc	20:10:05.864	14.4	2.69	TAS	m_e
TNS	147.63	PKPbc	20:10:08.353	14.4	2.69	TAS	m_e
TNS	147.63	PKPab	20:10:12.010	11.1	3.86	TAS	m_e
UBR	149.84	PKPbc	20:10:13.465	14.4	2.69	TAS	m_e
WLF	148.43	PKPbc	20:10:10.674	14.4	2.69	TAS	m_e

Event 10323002 Svalbard, Norway, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/23	14:09:30.60			76.0600	7.1560				33.0			14		22.22	28.47	m i ke	BGR
OrigID 10323008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10323008
Ms	4.1		BGR	10323008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	27.80		L	14:26:59.275						T__		638.8	22.00	a_e Ms	4.2
BRG	25.39		P	14:14:54.321		357.8		9.06		TAS		62.3	1.63	m_e mb	5.1
BSEG	22.22		P	14:14:25.586	-0.1	357.8		9.06		TAS		42.7	1.10	m_e mb	4.8
BSEG	22.22		L	14:23:36.787						T__		624.7	20.90	a_e Ms	4.0
BUG	24.68		P	14:14:47.570	0.0	357.8		9.06		TAS		15.9	0.77	m_e mb	4.8
CLL	24.92		P	14:14:50.099	0.5	357.8		9.06		TAS		43.7	1.45	m_e mb	5.0
CLL	24.92		L	14:25:38.795						T__		660.4	20.70	a_e Ms	4.1
CLZ	24.31		P	14:14:44.732	-0.2	357.8		9.06		TAS		71.4	1.92	m_e mb	4.9
FUR	28.01		L	14:27:13.841						T__		423.3	21.80	a_e Ms	4.0
GEC2	27.41		P	14:15:13.051		357.8		9.06		TAS		22.5	1.31	m_e mb	4.7
GEC2	27.41		L	14:26:43.983						T__		639.7	20.80	a_e Ms	4.2
GRA1	26.48		L	14:26:17.897						T__		480.7	21.00	a_e Ms	4.0
KAST	24.92		P	14:14:50.097	-0.4	357.8		9.06		TAS		55.5	1.69	m_e mb	5.0
MOX	25.54		P	14:14:55.957		357.8		9.06		TAS		65.8	1.69	m_e mb	5.0
MOX	25.54		L	14:25:47.868						T__		416.5	20.10	a_e Ms	4.0
NEUB	24.99		P	14:14:50.874		357.8		9.06		TAS		68.1	1.49	m_e mb	5.2
PLN	25.71		P	14:14:57.372		357.8		9.06		TAS		12.6	1.27	m_e mb	4.4
RETH	23.40		P	14:14:36.653	-0.1	357.8		9.06		TAS		101.3	1.99	m_e mb	5.0
TANN	25.79		P	14:14:58.152		357.8		9.06		TAS		63.8	1.59	m_e mb	5.0
TNS	25.90		P	14:14:58.887		357.8		9.06		TAS		18.9	1.34	m_e mb	4.5
TNS	25.90		L	14:25:29.391						T__		858.8	21.60	a_e Ms	4.2

UBR	28.47	P	14:15:22.083	357.8	9.06	TAS	42.9	1.70	m_e	mb	5.0
WET	27.08	L	14:26:54.640			T__	466.4	20.30	a_e	Ms	4.0

Event 10323003 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/23	21:14:22.39			41.3740	81.0470				33.0			21		45.94	51.06	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10323009
Ms	5.0		BGR	10323009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	50.20		P	21:23:13.375		71.9		7.75		TAS		12.3	0.95	m_e	mb	4.8
BFO	50.20		L	21:47:44.453						T__		1281.5	18.60	a_e	Ms	5.0
BRG	45.94		P	21:22:40.714	0.1	71.9		7.75		TAS		12.6	0.92	m_e	mb	4.9
BSEG	47.28		L	21:42:10.981						T__		881.2	18.10	a_e	Ms	4.8
CLL	46.40		P	21:22:43.982	0.8	71.9		7.75		TAS		25.0	0.83	m_e	mb	5.3
CLL	46.40		L	21:45:17.672						T__		1846.9	20.20	a_e	Ms	5.0
CLZ	47.82		P	21:22:54.648	-0.1	71.9		7.75		TAS		15.0	1.08	m_e	mb	5.0
FLT1	47.17		P	21:22:49.823	-0.2	71.9		7.75		TAS		14.5	0.88	m_e	mb	5.1
FUR	48.41		P	21:23:00.632	0.0	71.9		7.75		TAS		48.0	1.14	m_e	mb	5.5
FUR	48.41		L	21:47:06.915						T__		1449.6	18.90	a_e	Ms	5.0
GEC2	46.67		P	21:22:46.634	-0.0	71.9		7.75		TAS		11.2	0.91	m_e	mb	5.0
GEC2	46.67		L	21:45:54.085						T__		2120.6	18.30	a_e	Ms	5.1
GOR1	46.95		P	21:22:49.109	0.1	71.9		7.75		TAS		36.5	1.05	m_e	mb	5.4
GRA1	47.95		P	21:22:57.080	0.4	71.9		7.75		TAS		36.7	0.83	m_e	mb	5.5
GRA1	47.95		L	21:46:21.358						T__		1851.1	18.30	a_e	Ms	5.1
GTTG	48.15		P	21:22:58.200	-0.0	71.9		7.75		TAS		40.3	0.89	m_e	mb	5.6
IBBN	49.22		P	21:23:06.252		71.9		7.75		TAS		19.8	0.83	m_e	mb	5.2
KAST	49.18		P	21:23:05.802	-0.0	71.9		7.75		TAS		8.9	0.98	m_e	mb	4.8
MOX	47.42		P	21:22:52.285	0.3	71.9		7.75		TAS		14.1	0.95	m_e	mb	5.1
MOX	47.42		L	21:45:48.996						T__		1249.3	18.00	a_e	Ms	4.9
NEUB	47.17		P	21:22:50.202	-0.6	71.9		7.75		TAS		29.8	0.86	m_e	mb	5.4
PLN	47.14		P	21:22:50.122	-0.2	71.9		7.75		TAS		4.9	1.05	m_e	mb	4.6
STU	49.51		P	21:23:08.644		71.9		7.75		TAS		45.2	0.92	m_e	mb	5.4
TANN	46.97		P	21:22:48.985	-0.1	71.9		7.75		TAS		15.0	0.90	m_e	mb	5.1
TNS	49.48		P	21:23:08.320		71.9		7.75		TAS		13.0	1.03	m_e	mb	4.8
TNS	49.48		L	21:45:32.190						T__		833.8	20.00	a_e	Ms	4.7
UBR	49.31		P	21:23:06.982		71.9		7.75		TAS		31.4	0.79	m_e	mb	5.4
WET	47.09		P	21:22:49.993	-0.3	71.9		7.75		TAS		14.3	1.04	m_e	mb	5.0
WET	47.09		L	21:46:09.558						T__		1972.5	18.50	a_e	Ms	5.1
WLF	51.06		P	21:23:20.589		71.9		7.75		TAS		23.1	0.91	m_e	mb	5.1

Event 10325004 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/25	00:43:56.97			43.1300	-29.5620				10.0					25.29	30.26	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10325010
Ms	3.8		BGR	10325010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	28.23		P	00:49:50.899		272.3		8.80		TAS		6.9	0.85	m_e	mb	4.5
BFO	26.75		L	00:58:28.953						T__		282.9	18.00	a_e	Ms	3.9
BSEG	28.15		P	00:49:49.458		272.3		8.80		TAS		11.2	0.79	m_e	mb	4.8
BSEG	28.15		L	01:00:08.916						T__		223.7	18.40	a_e	Ms	3.8
CLL	29.67		L	01:00:46.428						T__		208.3	18.70	a_e	Ms	3.8
FUR	28.72		L	00:58:58.444						T__		214.8	19.80	a_e	Ms	3.8
GEC2	30.26		P	00:50:08.109		272.3		8.80		TAS		8.0	1.23	m_e	mb	4.4
GEC2	30.26		L	01:00:38.359						T__		239.5	20.60	a_e	Ms	3.8
GRA1	28.58		P	00:49:52.747		272.3		8.80		TAS		4.5	0.83	m_e	mb	4.3
GRA1	28.58		L	00:59:52.686						T__		303.9	18.50	a_e	Ms	3.9
IBBN	26.45		P	00:49:34.156		272.3		8.80		TAS		10.5	1.02	m_e	mb	4.4
MOX	28.80		L	01:00:19.043						T__		220.6	18.70	a_e	Ms	3.8
PLN	29.15		P	00:49:58.167		272.3		8.80		TAS		1.4	0.89	m_e	mb	3.8
TNS	26.78		L	00:57:27.537						T__		218.5	21.80	a_e	Ms	3.7
WET	29.69		P	00:50:02.863		272.3		8.80		TAS		4.9	1.05	m_e	mb	4.3
WET	29.69		L	01:00:12.289						T__		234.7	18.50	a_e	Ms	3.9
WLF	25.29		P	00:49:23.339		272.3		8.80		TAS		19.3	1.15	m_e	mb	4.7

Event 10325005 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/25	03:40:37.60			-28.9900	-176.7500				10.0					155.22	159.80	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	10325011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	156.16		PKPab	04:00:58.877		19.3		3.96		TAS				m_e	
BRG	156.64		PKPab	04:01:00.863		19.3		3.96		TAS				m_e	
CLZ	156.48		PKPab	04:01:00.501		19.3		3.96		TAS				m_e	
FUR	159.80		PKPab	04:01:14.751		19.3		3.96		TAS				m_e	
GOR1	155.22		PKPab	04:00:55.376		19.3		3.96		TAS				m_e	

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GRA1	158.38	PKPab	04:01:08.795	19.3	3.96	TAS										m_e
GRA1	158.38	L	05:03:40.008			T__					98.7	21.10	a_e	Ms		4.6
GTTG	156.84	PKPab	04:01:01.907	19.3	3.96	TAS										m_e
MOX	157.39	L	05:00:55.893			T__					92.4	19.00	a_e	Ms		4.6
TNS	158.35	PKPab	04:01:08.503	19.3	3.96	TAS										m_e
WET	158.50	PKPab	04:01:09.236	19.3	3.96	TAS										m_e

Event 10325006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/25	03:57:20.00			-26.1300	178.5500				591.0					149.53	156.58	m i ke	EMSC
10325038																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8	BGR		10325012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	154.68		PKPdf	04:16:05.138		27.8		1.27		TAS					m_e	
AHRW	154.68		PKPab	04:16:32.880		23.9		4.28		TAS					m_e	
ASSE	152.39		PKPdf	04:16:02.029		27.8		1.27		TAS					m_e	
ASSE	152.39		PKPbc	04:16:10.000		25.7		2.12		TAS					m_e	
ASSE	152.39		PKPab	04:16:23.200		23.9		4.28		TAS					m_e	
BFO	156.48		PKPbc	04:16:18.286		25.7		2.12		TAS					m_e	
BFO	156.48		PKPab	04:16:40.947		23.9		4.28		TAS					m_e	
BRG	152.57		PKPdf	04:16:02.383		27.8		1.27		TAS					m_e	
BRG	152.57		PKPbc	04:16:10.724		25.7		2.12		TAS					m_e	
BRG	152.57		PKPab	04:16:24.223		23.9		4.28		TAS					m_e	
BSEG	150.81		PKPbc	04:16:06.707		25.7		2.12		TAS					m_e	
BSEG	150.81		PKPab	04:16:16.785		23.9		4.28		TAS					m_e	
BUG	153.79		PKPab	04:16:28.822		23.9		4.28		TAS					m_e	
CLL	152.49		PKPdf	04:16:02.380		27.8		1.27		TAS					m_e	
CLL	152.49		PKPbc	04:16:10.291		25.7		2.12		TAS					m_e	
CLL	152.49		PKPab	04:16:23.899		23.9		4.28		TAS					m_e	
CLL	152.49		L	05:19:31.880						T__		144.3	18.00	a_e	Ms	4.8
CLZ	152.73		PKPdf	04:16:03.128		27.8		1.27		TAS					m_e	
CLZ	152.73		PKPbc	04:16:11.158		25.7		2.12		TAS					m_e	
CLZ	152.73		PKPab	04:16:25.160		23.9		4.28		TAS					m_e	
FLT1	152.07		PKPdf	04:16:02.144		27.8		1.27		TAS					m_e	
FLT1	152.07		PKPbc	04:16:09.425		25.7		2.12		TAS					m_e	
FLT1	152.07		PKPab	04:16:21.694		23.9		4.28		TAS					m_e	
FUR	155.78		PKPab	04:16:38.393		23.9		4.28		TAS					m_e	
GEC2	154.38		PKPdf	04:16:04.861		27.8		1.27		TAS					m_e	
GEC2	154.38		PKPbc	04:16:14.545		25.7		2.12		TAS					m_e	
GEC2	154.38		PKPab	04:16:31.973		23.9		4.28		TAS					m_e	
GOR1	151.45		PKPdf	04:16:01.635		27.8		1.27		TAS					m_e	
GOR1	151.45		PKPbc	04:16:08.283		25.7		2.12		TAS					m_e	

GOR1	151.45	PKPab	04:16:19.737	23.9	4.28	TAS				m_e	
GRA1	154.45	PKPdf	04:16:05.261	27.8	1.27	TAS				m_e	
GRA1	154.45	PKPab	04:16:32.605	23.9	4.28	TAS				m_e	
GRA1	154.45	L	05:22:39.460			T__	133.6	18.50	a_e Ms		4.8
GTTG	153.10	PKPdf	04:16:03.640	27.8	1.27	TAS				m_e	
GTTG	153.10	PKPbc	04:16:11.956	25.7	2.12	TAS				m_e	
GTTG	153.10	PKPab	04:16:26.702	23.9	4.28	TAS				m_e	
HLG	151.06	PKPbc	04:16:07.456	25.7	2.12	TAS				m_e	
HLG	151.06	PKPab	04:16:17.637	23.9	4.28	TAS				m_e	
IBBN	152.87	PKPdf	04:16:03.089	27.8	1.27	TAS				m_e	
IBBN	152.87	PKPab	04:16:25.475	23.9	4.28	TAS				m_e	
KAST	153.78	PKPdf	04:16:04.193	27.8	1.27	TAS				m_e	
KAST	153.78	PKPbc	04:16:13.127	25.7	2.12	TASS				m_e	
KAST	153.78	PKPab	04:16:29.138	23.9	4.28	TAS				m_e	
MOX	153.48	PKPdf	04:16:03.800	27.8	1.27	TAS				m_e	
MOX	153.48	PKPbc	04:16:12.536	25.7	2.12	TAS				m_e	
MOX	153.48	PKPab	04:16:28.079	23.9	4.28	TAS				m_e	
MOX	153.48	L	05:19:35.032			T__	104.6	21.50	a_e Ms		4.6
NEUB	152.95	PKPdf	04:16:03.522	27.8	1.27	TAS				m_e	
NEUB	152.95	PKPbc	04:16:11.394	25.7	2.12	TAS				m_e	
NEUB	152.95	PKPab	04:16:25.790	23.9	4.28	TAS				m_e	
PLN	153.47	PKPdf	04:16:03.800	27.8	1.27	TAS				m_e	
PLN	153.47	PKPbc	04:16:12.497	25.7	2.12	TAS				m_e	
PLN	153.47	PKPab	04:16:28.197	23.9	4.28	TAS				m_e	
RETH	152.14	PKPdf	04:16:01.868	27.8	1.27	TAS				m_e	
RETH	152.14	PKPbc	04:16:09.700	25.7	2.12	TAS				m_e	
RETH	152.14	PKPab	04:16:22.127	23.9	4.28	TAS				m_e	
RGN	149.53	PKPdf	04:15:59.128	27.8	1.27	TAS				m_e	
RGN	149.53	PKPbc	04:16:03.832	25.7	2.12	TAS				m_e	
RGN	149.53	PKPab	04:16:11.415	23.9	4.28	TAS				m_e	
RUE	151.23	PKPbc	04:16:07.849	25.7	2.12	TAS				m_e	
RUE	151.23	PKPab	04:16:18.504	23.9	4.28	TAS				m_e	
STU	155.85	PKPdf	04:16:07.009	27.8	1.27	TAS				m_e	
STU	155.85	PKPbc	04:16:17.853	25.7	2.12	TAS				m_e	
STU	155.85	PKPab	04:16:38.550	23.9	4.28	TAS				m_e	
TANN	153.44	PKPdf	04:16:03.837	27.8	1.27	TAS				m_e	
TANN	153.44	PKPbc	04:16:12.497	25.7	2.12	TAS				m_e	
TANN	153.44	PKPab	04:16:28.192	23.9	4.28	TAS				m_e	
TNS	154.69	PKPdf	04:16:05.632	27.8	1.27	TAS				m_e	
TNS	154.69	PKPbc	04:16:15.254	25.7	2.12	TAS				m_e	
TNS	154.69	PKPab	04:16:33.155	23.9	4.28	TAS				m_e	
UBR	156.58	PKPdf	04:16:07.624	27.8	1.27	TAS				m_e	
UBR	156.58	PKPbc	04:16:18.680	25.7	2.12	TAS				m_e	
UBR	156.58	PKPab	04:16:41.734	23.9	4.28	TAS				m_e	
WET	154.41	PKPdf	04:16:04.941	27.8	1.27	TAS				m_e	
WET	154.41	PKPab	04:16:32.052	23.9	4.28	TAS				m_e	
WLF	155.70	PKPdf	04:16:07.324	27.8	1.27	TAS				m_e	
WLF	155.70	PKPbc	04:16:17.695	25.7	2.12	TAS				m_e	
WLF	155.70	PKPab	04:16:37.763	23.9	4.28	TAS				m_e	

Event 10325007 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/25	16:19:55.00			-17.0600	-172.2900				10.0					145.48	147.23	m i ke	EMSC
OrigID 10325039																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.1		BGR	10325013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	145.48		L	17:54:06.415						T__		33.2	21.50	a_e Ms	4.1
GRA1	147.23		PKPbc	16:39:45.392		6.2		1.87		TAS				m_e	
GRA1	147.23		L	17:52:34.525						T__		35.2	20.00	a_e Ms	4.2
MOX	146.25		L	17:49:47.735						T__		35.8	18.60	a_e Ms	4.2

Event 10325008 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/25	23:36:55.81			46.9060	148.7540				33.0				21	73.40	78.96	m i ke	BGR
OrigID 10325014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10325014
Ms	4.7		BGR	10325014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.33		P	23:48:46.582		28.3		5.65		TAS		17.5	1.22	m_e mb	5.1
ASSE	74.90		P	23:48:32.598	0.3	28.3		5.65		TAS		8.1	0.88	m_e mb	4.8
BFO	78.96		P	23:48:55.560		28.3		5.65		TAS		6.0	0.89	m_e mb	4.6
BFO	78.96		L	00:29:29.584						T__		142.2	18.10	a_e Ms	4.3
BRG	75.00		P	23:48:33.055	-0.1	28.3		5.65		TAS		6.0	0.80	m_e mb	4.7
BSEG	73.40		P	23:48:24.144	0.1	28.3		5.65		TAS		8.3	0.79	m_e mb	4.8
BSEG	73.40		L	00:23:48.833						T__		279.0	21.20	a_e Ms	4.5
CLL	74.92		P	23:48:32.395	-0.1	28.3		5.65		TAS		22.1	0.70	m_e mb	5.3
CLL	74.92		L	00:25:43.139						T__		391.3	18.90	a_e Ms	4.7
CLZ	75.24		P	23:48:34.860	0.2	28.3		5.65		TAS		15.6	0.83	m_e mb	5.1
FLT1	74.55		P	23:48:30.381	-0.3	28.3		5.65		TAS		15.8	0.76	m_e mb	5.1
FUR	78.21		L	00:27:34.081						T__		393.7	19.30	a_e Ms	4.8
GEC2	76.83		P	23:48:43.516	0.2	28.3		5.65		TAS		5.4	0.73	m_e mb	4.8
GEC2	76.83		L	00:27:21.173						T__		325.0	20.20	a_e Ms	4.6
GRA1	76.88		P	23:48:43.796		28.3		5.65		TAS		25.6	1.08	m_e mb	5.3
GRA1	76.88		L	00:27:46.885						T__		429.6	18.00	a_e Ms	4.8

GTTG	75.62	P	23:48:36.927	-0.2	28.3	5.65	TAS	11.9	0.93	m_e	mb	5.0
IBBN	75.56	P	23:48:36.184	0.1	28.3	5.65	TAS	19.7	0.81	m_e	mb	5.3
KAST	76.37	P	23:48:40.945	-0.1	28.3	5.65	TAS	10.9	0.94	m_e	mb	5.0
MOX	75.92	P	23:48:38.233	0.5	28.3	5.65	TAS	7.0	0.87	m_e	mb	4.8
MOX	75.92	L	00:26:49.410				T__	398.1	19.80	a_e	Ms	4.7
NEUB	75.39	P	23:48:35.277	0.1	28.3	5.65	TAS	16.7	0.99	m_e	mb	5.1
PLN	75.89	P	23:48:38.390	-0.0	28.3	5.65	TAS	2.7	0.91	m_e	mb	4.4
RETH	74.73	P	23:48:31.773	-0.1	28.3	5.65	TAS	9.2	0.80	m_e	mb	4.9
RUE	73.66	P	23:48:25.766	-0.3	28.3	5.65	TAS	19.4	0.83	m_e	mb	5.2
TANN	75.86	P	23:48:38.176	0.1	28.3	5.65	TAS	4.5	1.04	m_e	mb	4.5
TNS	77.23	P	23:48:45.294		28.3	5.65	TAS	6.8	0.69	m_e	mb	4.9
TNS	77.23	L	00:27:24.537				T__	297.9	18.20	a_e	Ms	4.7
WET	76.84	P	23:48:44.056	-0.1	28.3	5.65	TAS	12.6	0.94	m_e	mb	5.0
WET	76.84	L	00:27:39.532				T__	493.4	18.60	a_e	Ms	4.8

Event 10326001 Leeward Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/26	04:51:36.11		15.4380	-60.4320				33.0				17		63.95	68.33	m i ke	BGR
OrigID 10326007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	10326007
Ms	5.7		BGR	10326007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	63.95		S	05:10:38.229		265.8		12.01		TAS				m_e	
AHRW	63.95		P	05:02:06.219		266.3		6.40		TAS		678.1	3.91	m_e	mb 6.2
ASSE	66.36		S	05:11:06.393		265.8		12.01		TAS				m_e	
ASSE	66.36		P	05:02:21.172	0.1	266.3		6.40		TAS		948.3	10.59	m_e	mb 6.0
BFO	64.52		S	05:10:42.735		265.8		12.01		TAS				m_e	
BRG	68.33		S	05:11:29.300		265.8		12.01		TAS				m_e	
BRG	68.33		P	05:02:33.803	0.4	266.3		6.40		TAS		765.5	12.17	m_e	mb 5.8
BSEG	66.33		S	05:11:04.516		265.8		12.01		TAS				m_e	
BSEG	66.33		P	05:02:20.829	-0.1	266.3		6.40		TAS		770.6	3.86	m_e	mb 6.3
BUG	64.19		S	05:10:38.229		265.8		12.01		TAS				m_e	
BUG	64.19		P	05:02:07.003	0.4	266.3		6.40		TAS		756.1	4.05	m_e	mb 6.3
CLL	67.75		S	05:11:22.541		265.8		12.01		TAS				m_e	
CLL	67.75		P	05:02:30.239	-0.0	266.3		6.40		TAS		647.2	12.49	m_e	mb 5.7
CLZ	66.15		S	05:11:03.389		265.8		12.01		TAS				m_e	
CLZ	66.15		P	05:02:19.824	-0.3	266.3		6.40		TAS		444.8	5.27	m_e	mb 5.9
FLT1	66.73		S	05:11:08.646		265.8		12.01		TAS				m_e	
FLT1	66.73		P	05:02:23.349	-0.2	266.3		6.40		TAS		823.6	10.61	m_e	mb 5.9
FUR	66.48		S	05:11:06.018		265.8		12.01		TAS				m_e	
GEC2	68.11		S	05:11:25.169		265.8		12.01		TAS				m_e	
GOR1	66.82		P	05:02:24.179	-0.1	266.3		6.40		TAS		743.8	4.95	m_e	mb 6.2

Station	Mag	Type	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
GRA1	66.53	S	05:11:07.144		265.8					12.01										
GRA1	66.53	P	05:02:22.718		266.3					6.40			577.8	12.05		m_e mb			5.7	
GRA1	66.53	L	05:28:02.269										4876.3	18.50		a_e Ms			5.8	
GTTG	65.87	S	05:11:00.760		265.8					12.01										
GTTG	65.87	P	05:02:18.168	-0.3	266.3					6.40			512.2	6.50		m_e mb			5.9	
HLG	64.94	S	05:10:47.993		265.8					12.01										
IBBN	64.60	S	05:10:44.613		265.8					12.01										
KAST	64.87	S	05:10:47.228		265.8					12.01										
KAST	64.87	P	05:02:11.357	-0.2	266.3					6.40			378.1	5.74		m_e mb			5.8	
MOX	66.84	S	05:11:12.402		265.8					12.01										
MOX	66.84	L	05:25:38.458										5418.3	21.60		a_e Ms			5.7	
NEUB	66.97	S	05:11:13.153		265.8					12.01										
PLN	67.17	S	05:11:17.284		265.8					12.01										
PLN	67.17	P	05:02:26.441		266.3					6.40			169.3	8.69		m_e mb			5.3	
RETH	65.63	P	05:02:16.271	0.0	266.3					6.40			796.9	5.22		m_e mb			6.2	
RGN	68.14	S	05:11:28.925		265.8					12.01										
RUE	68.29	S	05:11:27.047		265.8					12.01										
STU	65.14	S	05:10:50.246		265.8					12.01										
TANN	67.36	S	05:11:19.537		265.8					12.01										
TANN	67.36	P	05:02:27.418		266.3					6.40			615.6	12.45		m_e mb			5.7	
TNS	64.79	S	05:10:48.744		265.8					12.01										
TNS	64.79	P	05:02:10.870		266.3					6.40			722.9	9.96		m_e mb			5.9	
UBR	65.66	S	05:10:58.507		265.8					12.01										
WET	67.58	S	05:11:21.023		265.8					12.01										
WET	67.58	P	05:02:29.198		266.3					6.40			690.3	11.75		m_e mb			5.8	

Event 10326002 Northeast of Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/26	22:02:01.30			25.4870	124.8090				33.0				27	81.88	87.43	m i ke	BGR
	10326008																

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	10326008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.43		P	22:14:39.407	-0.1	56.2		5.04		TAS		346.4	1.30	m_e mb	6.3
ASSE	83.67		P	22:14:25.889	0.1	56.2		5.04		TAS		1011.3	2.11	m_e mb	6.7
BFO	87.09		P	22:14:42.517	0.1	56.2		5.04		TAS		522.8	1.43	m_e mb	6.5
BRG	82.64		P	22:14:20.050	-0.3	56.2		5.04		TAS		157.0	1.20	m_e mb	6.1
BSEG	82.83		P	22:14:21.764	0.2	56.2		5.04		TAS		287.6	1.34	m_e mb	6.3
BUG	85.79		P	22:14:36.424	0.3	56.2		5.04		TAS		646.7	1.37	m_e mb	6.6
CLL	82.91		P	22:14:21.637	0.0	56.2		5.04		TAS		246.7	1.17	m_e mb	6.3
CLZ	83.98		P	22:14:27.793	-0.1	56.2		5.04		TAS		638.1	1.38	m_e mb	6.7
FLT1	83.27		P	22:14:23.223	0.4	56.2		5.04		TAS		117.6	1.03	m_e mb	6.1
FUR	85.57		P	22:14:36.044		56.2		5.04		TAS		1280.4	1.28	m_e mb	6.9

GEC2	83.85	P	22:14:26.777	-0.5	56.2	5.04	TAS	174.6	1.20	m_e	mb	6.2
GOR1	82.87	P	22:14:21.954	-0.1	56.2	5.04	TAS	1884.6	2.46	m_e	mb	6.9
GRA1	84.75	P	22:14:31.664	0.1	56.2	5.04	TAS	893.7	1.41	m_e	mb	6.8
GTTG	84.36	P	22:14:29.430	-0.3	56.2	5.04	TAS	679.5	1.43	m_e	mb	6.7
IBBN	85.03	P	22:14:32.743	0.1	56.2	5.04	TAS	933.1	1.40	m_e	mb	6.8
KAST	85.35	P	22:14:34.584	-0.6	56.2	5.04	TAS	419.3	1.43	m_e	mb	6.5
MOX	84.01	P	22:14:27.285	-0.1	56.2	5.04	TAS	420.0	1.64	m_e	mb	6.4
NEUB	83.62	P	22:14:25.572	-0.2	56.2	5.04	TAS	430.7	1.54	m_e	mb	6.5
PLN	83.81	P	22:14:26.397	0.0	56.2	5.04	TAS	150.1	1.78	m_e	mb	5.9
RETH	83.99	P	22:14:27.539	0.1	56.2	5.04	TAS	478.2	1.46	m_e	mb	6.5
RUE	81.88	P	22:14:16.623	-0.6	56.2	5.04	TAS	500.6	1.20	m_e	mb	6.5
STU	86.36	P	22:14:39.027	0.7	56.2	5.04	TAS	986.8	1.19	m_e	mb	6.8
TANN	83.68	P	22:14:25.762	-0.1	56.2	5.04	TAS	279.2	1.64	m_e	mb	6.2
TNS	85.91	P	22:14:37.123	0.5	56.2	5.04	TAS	374.0	1.40	m_e	mb	6.3
UBR	86.49	P	22:14:40.117		56.2	5.04	TAS	798.6	1.34	m_e	mb	6.7
WET	84.14	P	22:14:28.364	-0.3	56.2	5.04	TAS	607.3	2.06	m_e	mb	6.5
WLF	87.43	P	22:14:44.612	0.2	56.2	5.04	TAS	501.1	1.28	m_e	mb	6.5

Event 10327001 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/27	07:00:09.96			70.8840	-1.9990				33.0			24		17.84	23.95	m i ke	BGR
10327007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10327007
Ms	4.0		BGR	10327007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	20.81	P		07:04:47.957	-0.3	348.5		10.63		TAS		123.5	0.97	m_e	mb	5.2
ASSE	19.65	P		07:04:36.176	0.1	348.5		10.63		TAS		132.7	1.29	m_e	mb	5.0
BFO	23.12	P		07:05:13.073		348.5		10.63		TAS		366.6	1.46	m_e	mb	5.7
BRG	21.35	P		07:04:54.236	0.1	348.5		10.63		TAS		96.1	0.94	m_e	mb	5.1
BSEG	17.84	P		07:04:16.991	1.4	348.5		10.63		TAS		535.9	2.23	m_e	mb	5.3
BUG	19.94	P		07:04:38.473	-0.0	348.5		10.63		TAS		148.8	1.22	m_e	mb	5.1
CLL	20.78	P		07:04:48.351	0.3	348.5		10.63		TAS		178.2	1.41	m_e	mb	5.2
CLZ	19.90	P		07:04:38.856	-0.1	348.5		10.63		TAS		67.7	1.00	m_e	mb	4.8
FLT1	19.53	P		07:04:34.721	0.1	348.5		10.63		TAS		62.7	0.87	m_e	mb	4.9
FUR	23.62	P		07:05:18.127		348.5		10.63		TAS		105.2	0.93	m_e	mb	5.4
GEC2	23.29	P		07:05:15.370		348.5		10.63		TAS		84.0	1.03	m_e	mb	5.2
GRA1	22.11	P		07:05:02.506	-0.7	348.5		10.63		TAS		166.3	1.19	m_e	mb	5.3
GRA1	22.11	L		07:13:14.126						T__		657.8	21.20	a_e	Ms	4.0
KAST	20.29	P		07:04:43.067	0.1	348.5		10.63		TAS		92.3	0.89	m_e	mb	5.0
MOX	21.23	P		07:04:53.394	1.5	348.5		10.63		TAS		394.8	1.76	m_e	mb	5.5
MOX	21.23	L		07:12:46.753						T__		579.0	22.00	a_e	Ms	3.9
NEUB	20.72	P		07:04:47.727	-0.1	348.5		10.63		TAS		136.4	0.86	m_e	mb	5.3

PLN	21.46	P	07:04:55.844	0.2	348.5	10.63	TAS	53.9	0.84	m_e	mb	4.9
RETH	18.89	P	07:04:27.982	-0.5	348.5	10.63	TAS	371.1	2.21	m_e	mb	5.2
RUE	19.77	P	07:04:38.243	-0.4	348.5	10.63	TAS	144.6	0.78	m_e	mb	5.3
STU	22.77	P	07:05:09.167		348.5	10.63	TAS	441.5	1.34	m_e	mb	5.8
TANN	21.57	P	07:04:56.839	0.5	348.5	10.63	TAS	245.3	1.52	m_e	mb	5.4
TNS	21.26	P	07:04:53.240	-0.2	348.5	10.63	TAS	105.2	1.10	m_e	mb	5.1
UBR	23.95	P	07:05:20.976		348.5	10.63	TAS	50.0	0.93	m_e	mb	5.0
WET	22.87	P	07:05:10.929	-1.2	348.5	10.63	TAS	290.3	1.72	m_e	mb	5.5
WLF	21.60	P	07:04:56.456	0.5	348.5	10.63	TAS	73.6	1.00	m_e	mb	5.1

Event 10327002 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/27	13:47:59.68	0.87	1.02	42.5190	15.9730	20.0	8.9	7	10.0				32 218	4.12	12.02	m i ke	BGR
10327008																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.9		BGR	10327008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	10.08		Pn	13:50:22.566	1.1					T__				m_e	
ARSA	4.74		Pn	13:49:09.184	-0.3					T__				m_e	ML 5.5
BALST	7.59		Pn	13:49:47.192	-0.8					T__				m_e	ML 5.8
BIOA	5.43		Pn	13:49:19.076	0.3					T__				m_e	ML 5.9
BRG	8.47		Pn	13:49:59.749	0.0					T__				m_e	ML 6.1
BSEG	12.02		Pn	13:50:48.946	1.5					T__				m_e	
CLZ	10.07		Pn	13:50:22.563	1.3					T__				m_e	
DAVA	6.43		Pn	13:49:34.260	1.9					T__				m_e	ML 5.9
FETA	5.84		Pn	13:49:26.135	1.7					T__				m_e	ML 5.7
GEC2	6.52		Pn	13:49:33.143	-0.4					T__				m_e	ML 5.9
GTTG	9.91		Pn	13:50:18.837	-0.3					T__				m_e	
KBA	4.92		Pn	13:49:11.747	-0.3					T__				m_e	ML 5.7
LESA	5.43		Pn	13:49:18.885	0.0					T__				m_e	ML 5.7
MLR	7.77		Pn	13:49:51.256	0.8					T__				m_e	ML 5.5
MOA	5.46		Pn	13:49:19.509	0.2					T__				m_e	ML 5.7
MOTA	5.93		Pn	13:49:25.577	-0.0					T__				m_e	ML 5.9
MOX	8.66		Pn	13:50:01.438	-0.9					T__				m_e	ML 6.1
NEUB	9.14		Pn	13:50:08.712	-0.0					T__				m_e	
OBKA	4.12		Pn	13:49:00.948	-0.2					T__				m_e	ML 6.0
PLN	8.39		Pn	13:49:58.043	-0.6					T__				m_e	ML 5.8
PSZ	6.06		Pn	13:49:24.925	-2.5					T__				m_e	ML 5.8
RETA	6.19		Pn	13:49:29.533	0.5					T__				m_e	ML 6.0
RETH	11.14		Pn	13:50:35.934	0.2					T__				m_e	
SOP	5.18		Pn	13:49:15.346	-0.1					T__				m_e	ML 5.8
SQTA	5.79		Pn	13:49:24.131	0.5					T__				m_e	ML 5.8
SSB			Pn	13:50:00.138	-2.7					T__				m_e	

STU	7.84	Pn	13:49:50.188	-1.2	T__	m_e	ML	6.5
SULZ	7.48	Pn	13:49:47.551	1.0	T__	m_e	ML	6.9
TANN	8.26	Pn	13:49:56.069	-0.8	T__	m_e	ML	6.0
TIRR	9.25	Pn	13:50:10.867	0.6	T__	m_e		
WET	6.97	Pn	13:49:38.683	-0.8	T__	m_e	ML	5.9
WTTA	5.65	Pn	13:49:22.057	0.2	T__	m_e	ML	5.9

Event 10328001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/28	00:26:52.14			33.1760	140.9400				33.0			26		82.96	88.37	m i ke	BGR
OrigID 10328007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10328007
Ms	5.5		BGR	10328007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	87.12	P		00:39:33.526	0.1	40.2		4.94		TAS		103.1	1.04	m_e	mb	5.9
ASSE	84.47	P		00:39:19.739	0.2	40.2		4.94		TAS		57.1	1.13	m_e	mb	5.7
BFO	88.37	P		00:39:39.506		40.2		4.94		TAS		53.4	0.98	m_e	mb	5.8
BRG	84.08	P		00:39:18.460	-0.1	40.2		4.94		TAS		77.1	1.08	m_e	mb	5.8
BSEG	83.22	P		00:39:14.335	0.2	40.2		4.94		TAS		53.6	0.83	m_e	mb	5.8
BUG	86.33	P		00:39:29.626	0.1	40.2		4.94		TAS		132.4	0.90	m_e	mb	6.1
CLL	84.15	P		00:39:18.589	-0.1	40.2		4.94		TAS		126.1	0.96	m_e	mb	6.1
CLZ	84.81	P		00:39:22.613	-0.1	40.2		4.94		TAS		143.2	1.00	m_e	mb	6.2
FLT1	84.09	P		00:39:18.244	0.4	40.2		4.94		TAS		80.7	0.94	m_e	mb	5.9
FUR	87.26	P		00:39:34.039		40.2		4.94		TAS		83.4	0.85	m_e	mb	5.9
GEC2	85.69	P		00:39:26.626	-0.3	40.2		4.94		TAS		77.5	0.93	m_e	mb	5.8
GOR1	83.56	P		00:39:16.519	-0.1	40.2		4.94		TAS		273.7	1.67	m_e	mb	6.2
GRA1	86.12	P		00:39:29.156	0.1	40.2		4.94		TAS		203.2	0.97	m_e	mb	6.2
GRA1	86.12	L		01:21:37.759						T__		1985.6	18.80	a_e	Ms	5.5
GTTG	85.20	P		00:39:24.338	-0.4	40.2		4.94		TAS		116.6	0.90	m_e	mb	6.1
IBBN	85.46	P		00:39:25.487	-0.8	40.2		4.94		TAS		149.0	1.11	m_e	mb	6.0
KAST	86.08	P		00:39:28.569	-0.1	40.2		4.94		TAS		95.4	0.87	m_e	mb	5.9
MOX	85.22	P		00:39:24.326	0.1	40.2		4.94		TAS		83.8	0.95	m_e	mb	6.0
MOX	85.22	L		01:21:31.411						T__		1799.1	21.40	a_e	Ms	5.4
NEUB	84.74	P		00:39:21.795	0.1	40.2		4.94		TAS		169.0	0.94	m_e	mb	6.2
PLN	85.12	P		00:39:23.866	0.1	40.2		4.94		TAS		25.5	0.96	m_e	mb	5.4
RETH	84.51	P		00:39:20.888	0.1	40.2		4.94		TAS		117.2	1.30	m_e	mb	6.0
RUE	82.96	P		00:39:12.955	-0.4	40.2		4.94		TAS		112.9	1.19	m_e	mb	6.0
STU	87.67	P		00:39:36.401	-0.3	40.2		4.94		TAS		418.6	1.47	m_e	mb	6.5
TANN	85.05	P		00:39:23.520	0.1	40.2		4.94		TAS		53.5	0.93	m_e	mb	5.8
TNS	86.83	P		00:39:32.376	0.5	40.2		4.94		TAS		62.5	0.97	m_e	mb	5.7
WET	85.82	P		00:39:27.534	0.0	40.2		4.94		TAS		58.6	0.99	m_e	mb	5.7
WLF	88.18	P		00:39:38.931	0.3	40.2		4.94		TAS		118.3	1.21	m_e	mb	6.1

Event 10328002 Azores Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/28	23:01:46.56			42.7070	-28.9800				33.0			13		25.11	30.06	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10328008
Ms	5.0		BGR	10328008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	26.54		P	23:07:19.821		271.3		8.91		TAS		64.9	1.29	m_e mb	5.2
BSEG	28.06		P	23:07:32.065	-0.6	271.3		8.91		TAS		298.5	1.77	m_e mb	5.8
CLZ	27.90		P	23:07:31.351	-0.2	271.3		8.91		TAS		56.4	1.23	m_e mb	5.3
FLT1	28.46		P	23:07:35.712	-0.2	271.3		8.91		TAS		32.0	1.25	m_e mb	5.0
FUR	28.51		P	23:07:37.719		271.3		8.91		TAS		92.1	1.19	m_e mb	5.5
GEC2	30.06		P	23:07:51.232		271.3		8.91		TAS		92.0	1.40	m_e mb	5.4
GRA1	28.40		L	23:17:23.744						T__		4073.4	20.60	a_e Ms	5.0
MOX	28.64		P	23:07:38.463		271.3		8.91		TAS		77.0	1.78	m_e mb	5.2
MOX	28.64		L	23:17:10.230						T__		3552.1	18.00	a_e Ms	5.0
PLN	28.99		P	23:07:41.489		271.3		8.91		TAS		6.8	1.00	m_e mb	4.4
RETH	27.35		P	23:07:26.292	-0.3	271.3		8.91		TAS		175.4	1.79	m_e mb	5.5
STU	27.10		P	23:07:24.682		271.3		8.91		TAS		236.2	1.31	m_e mb	5.8
UBR	27.76		P	23:07:31.539		271.3		8.91		TAS		59.3	1.31	m_e mb	5.3
WET	29.50		P	23:07:46.249		271.3		8.91		TAS		29.0	1.16	m_e mb	5.0
WLF	25.11		P	23:07:06.667		271.3		8.91		TAS		62.7	1.01	m_e mb	5.3

Event 10329001 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/29	17:27:25.20			33.7100	87.8500				33.0			23		54.73	60.09	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10329007
Ms	5.5		BGR	10329007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	59.26		P	17:37:22.324	0.3	75.3		7.10		TAS		23.9	1.24	m_e mb	5.1
BFO	59.13		P	17:37:21.025		75.3		7.10		TAS		10.7	0.50	m_e mb	5.1
BRG	54.95		P	17:36:51.715	0.1	75.3		7.10		TAS		20.8	1.04	m_e mb	5.1
BSEG	56.46		P	17:37:02.702	-0.4	75.3		7.10		TAS		28.6	1.13	m_e mb	5.2

CLL	55.44	P	17:36:54.889	-0.2	75.3	7.10	TAS	15.2	1.02	m_e	mb	5.0
CLZ	56.91	P	17:37:05.860	-0.2	75.3	7.10	TAS	61.9	1.33	m_e	mb	5.5
FLT1	56.28	P	17:37:00.479	-0.4	75.3	7.10	TAS	45.3	1.30	m_e	mb	5.3
FUR	57.29	P	17:37:09.019		75.3	7.10	TAS	77.4	1.27	m_e	mb	5.6
GEC2	55.56	P	17:36:56.560		75.3	7.10	TAS	31.1	1.00	m_e	mb	5.3
GRA1	56.93	P	17:37:06.503	-0.2	75.3	7.10	TAS	32.8	1.02	m_e	mb	5.3
GRA1	56.93	L	18:02:40.186				T__	3366.1	21.10	a_e	Ms	5.4
GTTG	57.23	P	17:37:08.185	-0.1	75.3	7.10	TAS	56.0	1.28	m_e	mb	5.4
IBBN	58.35	P	17:37:15.677	0.2	75.3	7.10	TAS	49.5	1.30	m_e	mb	5.4
MOX	56.44	P	17:37:02.379	0.6	75.3	7.10	TAS	21.6	1.17	m_e	mb	5.1
MOX	56.44	L	18:02:03.837				T__	4212.9	21.00	a_e	Ms	5.5
NEUB	56.22	P	17:37:00.635	-0.2	75.3	7.10	TAS	25.9	0.90	m_e	mb	5.3
PLN	56.15	P	17:37:00.200	0.4	75.3	7.10	TAS	5.8	1.12	m_e	mb	4.5
RETH	57.30	P	17:37:08.430	-0.6	75.3	7.10	TAS	17.9	1.24	m_e	mb	5.0
RUE	54.73	P	17:36:49.659	0.2	75.3	7.10	TAS	34.8	1.00	m_e	mb	5.3
STU	58.45	P	17:37:16.725		75.3	7.10	TAS	128.2	1.32	m_e	mb	5.8
TANN	55.97	P	17:36:59.055	-0.1	75.3	7.10	TAS	21.6	1.18	m_e	mb	5.1
TNS	58.51	P	17:37:16.956	-0.6	75.3	7.10	TAS	28.3	1.24	m_e	mb	5.2
UBR	58.18	P	17:37:14.547		75.3	7.10	TAS	29.3	1.24	m_e	mb	5.2
WET	56.01	P	17:36:59.790		75.3	7.10	TAS	19.8	1.11	m_e	mb	5.0
WLF	60.09	P	17:37:28.459	0.6	75.3	7.10	TAS	34.9	1.17	m_e	mb	5.3

Event 10330001 Beaufort Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/30	00:06:29.12			74.4110	-132.1740				33.0			23		49.40	55.49	m i ke	BGR
10330007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10330007
Ms	4.2		BGR	10330007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	54.61		P	00:15:52.987		348.5		7.34		TAS		33.7	1.12	m_e	mb	5.3
BRG	52.85		P	00:15:40.391	-0.1	348.5		7.34		TAS		14.2	1.02	m_e	mb	4.8
BSEG	49.40		P	00:15:15.147	0.2	348.5		7.34		TAS		36.3	0.96	m_e	mb	5.4
BUG	51.43		P	00:15:29.749	-0.0	348.5		7.34		TAS		83.8	1.72	m_e	mb	5.4
CLL	52.31		P	00:15:36.052	-0.0	348.5		7.34		TAS		22.3	1.04	m_e	mb	5.0
CLZ	51.45		P	00:15:30.629	0.1	348.5		7.34		TAS		24.9	0.97	m_e	mb	5.1
FLT1	51.09		P	00:15:27.071	-0.2	348.5		7.34		TAS		14.8	0.94	m_e	mb	4.9
GEC2	54.81		P	00:15:55.172		348.5		7.34		TAS		21.5	1.08	m_e	mb	5.1
GRA1	53.67		P	00:15:46.574	-0.1	348.5		7.34		TAS		28.2	0.98	m_e	mb	5.3
GRA1	53.67		L	00:39:41.357						T__		193.2	21.20	a_e	Ms	4.1
GTTG	51.69		P	00:15:32.456	-0.1	348.5		7.34		TAS		46.9	1.04	m_e	mb	5.3
IBBN	50.65		P	00:15:24.463	0.4	348.5		7.34		TAS		56.3	1.19	m_e	mb	5.4
KAST	51.82		P	00:15:33.062	-0.1	348.5		7.34		TAS		38.1	1.10	m_e	mb	5.2

MOX	52.78	P	00:15:40.086	0.4	348.5	7.34	TAS	12.3	0.88	m_e	mb	4.8
MOX	52.78	L	00:36:57.890				T__	226.9	20.00	a_e	Ms	4.2
NEUB	52.27	P	00:15:36.163	0.1	348.5	7.34	TAS	28.0	0.94	m_e	mb	5.2
PLN	53.01	P	00:15:41.640	0.4	348.5	7.34	TAS	10.6	1.30	m_e	mb	4.6
RETH	50.44	P	00:15:22.967	-0.6	348.5	7.34	TAS	33.6	1.36	m_e	mb	5.1
RUE	51.25	P	00:15:28.903	0.3	348.5	7.34	TAS	19.1	0.73	m_e	mb	5.1
STU	54.30	P	00:15:51.014		348.5	7.34	TAS	101.7	0.97	m_e	mb	5.8
TANN	53.12	P	00:15:42.627	0.3	348.5	7.34	TAS	15.4	0.95	m_e	mb	4.9
TNS	52.78	P	00:15:39.808	-0.1	348.5	7.34	TAS	39.5	1.09	m_e	mb	5.3
UBR	55.49	P	00:15:59.810		348.5	7.34	TAS	57.1	0.99	m_e	mb	5.6
WET	54.42	P	00:15:52.423		348.5	7.34	TAS	36.8	1.19	m_e	mb	5.3
WLF	53.00	P	00:15:41.570	-0.3	348.5	7.34	TAS	28.9	0.96	m_e	mb	5.2

Event 10330002 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/30	16:25:01.82	0.18	1.42	47.8430	16.1510	4.4	3.3	19	10.0			27	112	0.32	4.73	m i ke	BGR
OrigID 10330008																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.6		BGR	10330008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	0.73		Sg	16:25:23.403	-1.8					T__				m_e	
ARSA	0.73		Pg	16:25:13.911	-1.8					T__				m_e	ML 4.1
BIOA	1.70		Sg	16:25:55.792	-0.1					T__				m_e	
BIOA	1.70		Pg	16:25:32.283	-1.6					T__				m_e	ML 4.4
BRG	3.36		Sg	16:26:47.666	-0.7					T__				m_e	ML 4.6
BUD	1.97		Sg	16:26:03.911	-0.6					T__				m_e	
BUD	1.97		Pn	16:25:33.005	-1.3					T__				m_e	ML 4.2
BUD	1.97		Pg	16:25:38.056	-0.9					T__				m_e	
CLL	4.02		Sg	16:27:08.376	-1.2					T__				m_e	
CLL	4.02		Pn	16:26:03.869	1.9					T__				m_e	ML 5.2
DAVA	4.28		Sg	16:27:18.955	1.3					T__				m_e	
DAVA	4.28		Pn	16:26:07.532	2.1					T__				m_e	ML 4.9
FETA	3.77		Pn	16:26:00.726	2.1					T__				m_e	
FETA	3.77		Pg	16:26:11.660	-1.1					T__				m_e	
FUR	3.29		Sg	16:26:46.184	-0.0					T__				m_e	
FUR	3.29		Pg	16:26:02.946	-0.8					T__				m_e	ML 4.9
GEC2	1.92		Sg	16:26:02.749	0.0					T__				m_e	
GEC2	1.92		Pn	16:25:35.104	1.5					T__				m_e	ML 4.2
GEC2	1.92		Pg	16:25:36.002	-1.9					T__				m_e	
GRA1	3.75		Sg	16:27:00.661	-0.1					T__				m_e	
GRA1	3.75		Pn	16:26:00.705	2.4					T__				m_e	ML 4.9
GRA1	3.75		Pg	16:26:12.306	-0.1					T__				m_e	
KBA	2.05		Sg	16:26:07.685	0.7					T__				m_e	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10331007
Ms	4.9		BGR	10331007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	54.52		P	00:10:57.425	0.1	52.3		7.39		TAS		19.3	0.80	m_e	mb 5.2
ASSE	51.76		P	00:10:36.854	0.1	52.3		7.39		TAS		26.9	1.28	m_e	mb 5.0
BFO	55.29		P	00:11:02.887	-0.1	52.3		7.39		TAS		12.4	0.76	m_e	mb 5.0
BRG	50.85		P	00:10:30.462	0.0	52.3		7.39		TAS		24.0	0.81	m_e	mb 5.2
BSEG	50.88		P	00:10:30.840	0.3	52.3		7.39		TAS		28.9	0.78	m_e	mb 5.3
BUG	53.86		P	00:10:52.543	-0.4	52.3		7.39		TAS		29.8	0.71	m_e	mb 5.4
CLL	51.08		P	00:10:31.973	0.1	52.3		7.39		TAS		33.9	0.68	m_e	mb 5.4
CLZ	52.08		P	00:10:39.759	0.6	52.3		7.39		TAS		24.7	0.72	m_e	mb 5.2
FLT1	51.36		P	00:10:33.716	-0.4	52.3		7.39		TAS		17.7	0.81	m_e	mb 5.0
FUR	53.87		P	00:10:53.473		52.3		7.39		TAS		42.8	0.82	m_e	mb 5.5
GEC2	52.18		P	00:10:40.573	-0.7	52.3		7.39		TAS		14.0	1.05	m_e	mb 4.8
GOR1	50.94		P	00:10:31.392	0.2	52.3		7.39		TAS		55.0	1.25	m_e	mb 5.3
GRA1	52.96		P	00:10:46.714	0.1	52.3		7.39		TAS		38.8	0.83	m_e	mb 5.4
GRA1	52.96		L	00:33:14.164						T__		807.0	18.10	a_e	Ms 4.8
GTTG	52.46		P	00:10:43.099	-0.0	52.3		7.39		TAS		50.1	0.67	m_e	mb 5.6
IBBN	53.08		P	00:10:46.616	-0.6	52.3		7.39		TAS		40.3	0.66	m_e	mb 5.5
KAST	53.44		P	00:10:49.754	-0.2	52.3		7.39		TAS		14.5	0.73	m_e	mb 5.1
MOX	52.18		P	00:10:40.573	-0.2	52.3		7.39		TAS		22.9	0.83	m_e	mb 5.1
MOX	52.18		L	00:34:42.629						T__		1277.1	19.70	a_e	Ms 5.0
NEUB	51.77		P	00:10:37.319	-0.3	52.3		7.39		TAS		33.9	0.83	m_e	mb 5.3
PLN	52.00		P	00:10:39.294	-0.0	52.3		7.39		TAS		7.3	0.76	m_e	mb 4.7
RETH	52.04		P	00:10:39.337	-0.4	52.3		7.39		TAS		23.6	0.80	m_e	mb 5.2
RGN	49.08		P	00:10:17.005	-0.1	52.3		7.39		TAS		78.7	0.67	m_e	mb 5.9
RUE	50.01		P	00:10:24.070	-0.1	52.3		7.39		TAS		30.4	0.75	m_e	mb 5.3
STU	54.57		P	00:10:58.122	0.5	52.3		7.39		TAS		79.5	0.73	m_e	mb 5.8
TANN	51.88		P	00:10:38.365	0.1	52.3		7.39		TAS		15.2	0.93	m_e	mb 4.9
TNS	54.03		P	00:10:54.287	0.4	52.3		7.39		TAS		21.8	0.85	m_e	mb 5.2
UBR	54.79		P	00:10:59.663		52.3		7.39		TAS		9.7	0.76	m_e	mb 4.9
WET	52.43		P	00:10:42.897	-0.1	52.3		7.39		TAS		21.1	0.95	m_e	mb 5.0

Event 10331002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/03/31	17:39:49.80			-18.4600	-177.5100				599.0			20		143.99	150.11	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.71		PKPbc	17:58:23.359	0.1	15.8		2.70		TAS				m_e	

BFO	149.74	PKPbc	17:58:34.024		15.8	2.70	TAS	m_e
BRG	146.32	PKPbc	17:58:25.472	0.2	15.8	2.70	TAS	m_e
BSEG	143.99	PKPbc	17:58:18.433	0.3	15.8	2.70	TAS	m_e
CLL	146.10	PKPbc	17:58:24.720	0.3	15.8	2.70	TAS	m_e
FLT1	145.42	PKPbc	17:58:22.313	0.3	15.8	2.70	TAS	m_e
GEC2	148.28	PKPbc	17:58:30.221		15.8	2.70	TAS	m_e
GOR1	144.77	PKPbc	17:58:21.245	-0.1	15.8	2.70	TAS	m_e
GTTG	146.37	PKPbc	17:58:25.604	0.3	15.8	2.70	TAS	m_e
HLG	144.01	PKPbc	17:58:18.586	-0.4	15.8	2.70	TAS	m_e
IBBN	145.88	PKPbc	17:58:24.229	-0.1	15.8	2.70	TAS	m_e
KAST	146.90	PKPbc	17:58:26.946	0.3	15.8	2.70	TAS	m_e
MOX	146.99	PKPbc	17:58:27.241	0.5	15.8	2.70	TAS	m_e
NEUB	146.43	PKPbc	17:58:25.751	0.3	15.8	2.70	TAS	m_e
PLN	147.04	PKPbc	17:58:27.438	-0.4	15.8	2.70	TAS	m_e
RETH	145.28	PKPbc	17:58:22.264	0.1	15.8	2.70	TAS	m_e
TANN	147.05	PKPbc	17:58:27.470	-0.6	15.8	2.70	TAS	m_e
TNS	147.86	PKPbc	17:58:29.582		15.8	2.70	TAS	m_e
UBR	150.11	PKPbc	17:58:34.810		15.8	2.70	TAS	m_e
WLF	148.64	PKPbc	17:58:32.087		15.8	2.70	TAS	m_e