

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

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

April 2021 UPDATED 4.January 2023

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

Event 10401001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/01	15:11:20.57			-22.0400	-179.1300				624.5	2.1		28		147.28	153.28	m i ke	BGR
	10401007																

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.05		PKPdf	15:29:57.388	-0.1	22.8		1.56		TAS				m_e	
AHRW	151.05		PKPbc	15:30:04.194	0.2	18.8		2.33		TAS				m_e	
AHRW	151.05		PKPab	15:30:13.604	-0.5	18.4		4.16		TAS				m_e	
ASSE	148.94		PKPdf	15:29:54.244	0.2	22.8		1.56		TAS				m_e	
ASSE	148.94		PKPbc	15:29:59.161	0.1	18.8		2.33		TAS				m_e	
BFO	153.01		PKPdf	15:29:59.703		22.8		1.56		TAS				m_e	
BFO	153.01		PKPbc	15:30:08.401	-0.4	18.8		2.33		TAS				m_e	
BFO	153.01		PKPab	15:30:22.202		18.4		4.16		TAS				m_e	
BRG	149.39		PKPdf	15:29:54.265	-0.2	22.8		1.56		TAS				m_e	
BRG	149.39		PKPbc	15:30:00.473	0.2	18.8		2.33		TAS				m_e	
BRG	149.39		PKPab	15:30:07.182	0.5	18.4		4.16		TAS				m_e	
BSEG	147.28		PKPbc	15:29:55.121	-0.2	18.8		2.33		TAS				m_e	
BSEG	147.28		PKPab	15:29:58.668	0.3	18.4		4.16		TAS				m_e	
BUG	150.15		PKPdf	15:29:55.839	-0.2	22.8		1.56		TAS				m_e	
BUG	150.15		PKPbc	15:30:02.035	0.1	18.8		2.33		TAS				m_e	
CLL	149.22		PKPdf	15:29:53.912	-0.1	22.8		1.56		TAS				m_e	
CLL	149.22		PKPbc	15:29:59.928	-0.1	18.8		2.33		TAS				m_e	
CLL	149.22		PKPab	15:30:06.163	0.1	18.4		4.16		TAS				m_e	
CLL	149.22		pPKPbc	15:32:22.299						T__				m_e	
CLZ	149.27		PKPdf	15:29:54.540	0.2	22.8		1.56		TAS				m_e	
CLZ	149.27		PKPbc	15:30:00.362	0.1	18.8		2.33		TAS				m_e	
CLZ	149.27		PKPab	15:30:06.729	0.2	18.4		4.16		TAS				m_e	

CLZ	149.27	pPKPbc	15:32:22.008				T__	m_e
FLT1	148.64	PKPdf	15:29:53.201	0.1	22.8	1.56	TAS	m_e
FLT1	148.64	PKPbc	15:29:58.203	-0.0	18.8	2.33	TAS	m_e
FLT1	148.64	PKPab	15:30:03.855	-0.3	18.4	4.16	TAS	m_e
FLT1	148.64	pPKPbc	15:32:20.333				T__	m_e
FUR	152.56	PKPdf	15:29:59.742		22.8	1.56	TAS	m_e
FUR	152.56	PKPbc	15:30:07.395	-0.3	18.8	2.33	TAS	m_e
FUR	152.56	PKPab	15:30:20.880		18.4	4.16	TAS	m_e
GEC2	151.30	PKPdf	15:29:57.146	0.4	22.8	1.56	TAS	m_e
GEC2	151.30	PKPbc	15:30:04.698	0.4	18.8	2.33	TAS	m_e
GEC2	151.30	PKPab	15:30:14.948	0.0	18.4	4.16	TAS	m_e
GOR1	148.00	PKPdf	15:29:52.411	0.4	22.8	1.56	TAS	m_e
GOR1	148.00	PKPbc	15:29:56.855	-0.2	18.8	2.33	TAS	m_e
GOR1	148.00	PKPab	15:30:01.341	-0.3	18.4	4.16	TAS	m_e
GRA1	151.14	PKPdf	15:29:57.262	-0.2	22.8	1.56	TAS	m_e
GRA1	151.14	PKPbc	15:30:04.504	0.2	18.8	2.33	TAS	m_e
GRA1	151.14	PKPab	15:30:14.746	-0.1	18.4	4.16	TAS	m_e
GTTG	149.63	PKPdf	15:29:55.137	-0.2	22.8	1.56	TAS	m_e
GTTG	149.63	PKPbc	15:30:01.041	-0.1	18.8	2.33	TAS	m_e
GTTG	149.63	PKPab	15:30:08.527	0.2	18.4	4.16	TAS	m_e
HLG	147.38	PKPbc	15:29:55.557	-0.2	18.8	2.33	TAS	m_e
HLG	147.38	PKPab	15:29:59.331	-0.1	18.4	4.16	TAS	m_e
IBBN	149.24	PKPdf	15:29:54.682	0.6	22.8	1.56	TAS	m_e
IBBN	149.24	PKPbc	15:29:59.937	0.4	18.8	2.33	TAS	m_e
IBBN	149.24	PKPab	15:30:06.385	-0.2	18.4	4.16	TAS	m_e
KAST	150.22	PKPdf	15:29:55.796	-0.2	22.8	1.56	TAS	m_e
KAST	150.22	PKPbc	15:30:02.352	-0.1	18.8	2.33	TAS	m_e
MOX	150.15	PKPdf	15:29:55.315	-0.2	22.8	1.56	TAS	m_e
MOX	150.15	PKPbc	15:30:02.142	0.3	18.8	2.33	TAS	m_e
MOX	150.15	PKPab	15:30:10.035	-0.6	18.4	4.16	TAS	m_e
NEUB	149.60	PKPdf	15:29:55.403	-0.3	22.8	1.56	TAS	m_e
NEUB	149.60	PKPbc	15:30:00.948	0.3	18.8	2.33	TAS	m_e
NEUB	149.60	PKPab	15:30:08.238	-0.3	18.4	4.16	TAS	m_e
PLN	150.18	PKPdf	15:29:55.427	0.1	22.8	1.56	TAS	m_e
PLN	150.18	PKPbc	15:30:02.255	0.1	18.8	2.33	TAS	m_e
PLN	150.18	PKPab	15:30:10.417	-0.1	18.4	4.16	TAS	m_e
RETH	148.58	PKPdf	15:29:53.160	-0.2	22.8	1.56	TAS	m_e
RETH	148.58	PKPbc	15:29:58.217	-0.3	18.8	2.33	TAS	m_e
RETH	148.58	PKPab	15:30:03.442	-0.1	18.4	4.16	TAS	m_e
RUE	147.96	PKPdf	15:29:52.400	-0.1	22.8	1.56	TAS	m_e
RUE	147.96	PKPbc	15:29:56.680	-0.1	18.8	2.33	TAS	m_e
RUE	147.96	PKPab	15:30:01.124	0.1	18.4	4.16	TAS	m_e
STU	152.43	PKPdf	15:29:59.746	0.1	22.8	1.56	TAS	m_e
STU	152.43	PKPbc	15:30:07.314	-0.3	18.8	2.33	TAS	m_e
STU	152.43	PKPab	15:30:20.056		18.4	4.16	TAS	m_e
TANN	150.18	PKPdf	15:29:55.478	-0.1	22.8	1.56	TAS	m_e
TANN	150.18	PKPbc	15:30:02.358	0.2	18.8	2.33	TAS	m_e
TANN	150.18	PKPab	15:30:10.723	0.3	18.4	4.16	TAS	m_e
TNS	151.16	PKPdf	15:29:57.268	0.2	22.8	1.56	TAS	m_e

./bul2104.txt Wed Jan 11 09:16:10 2023 3

TNS	151.16	PKPbc	15:30:04.582	-0.0	18.8	2.33	TAS	m_e
TNS	151.16	PKPab	15:30:14.395	0.3	18.4	4.16	TAS	m_e
UBR	153.28	PKPdf	15:30:00.629		22.8	1.56	TAS	m_e
UBR	153.28	PKPbc	15:30:08.909		18.8	2.33	TAS	m_e
WET	151.25	PKPdf	15:29:57.152	0.5	22.8	1.56	TAS	m_e
WET	151.25	PKPbc	15:30:04.639	-0.2	18.8	2.33	TAS	m_e
WET	151.25	PKPab	15:30:15.141	0.5	18.4	4.16	TAS	m_e
WLF	152.03	PKPdf	15:29:59.267	-0.5	22.8	1.56	TAS	m_e
WLF	152.03	PKPbc	15:30:06.962	0.0	18.8	2.33	TAS	m_e
WLF	152.03	PKPab	15:30:18.297		18.4	4.16	TAS	m_e

Event 10402002 Northern Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/02	22:44:04.100			7.3170	-76.0760				33.0				26	79.44	84.41	m i ke	BGR
10402008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10402008
Ms	4.4		BGR	10402008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.05		P	22:56:11.503	-0.1	272.7		5.19		TAS		41.1	1.46	m_e mb	5.2
ASSE	82.28		P	22:56:23.884	0.5	272.7		5.19		TAS		15.0	0.98	m_e mb	5.1
BFO	80.87		P	22:56:15.217	0.5	272.7		5.19		TAS		6.4	0.99	m_e mb	4.6
BRG	84.39		P	22:56:33.789		272.7		5.19		TAS				m_e	
BSEG	82.01		P	22:56:21.563	0.5	272.7		5.19		TAS		17.5	1.21	m_e mb	5.1
BUG	80.18		P	22:56:11.748	-0.5	272.7		5.19		TAS		28.8	1.39	m_e mb	5.0
CLL	83.77		P	22:56:30.539	-0.4	272.7		5.19		TAS				m_e	
CLZ	82.11		P	22:56:22.414	0.7	272.7		5.19		TAS		22.0	1.32	m_e mb	5.1
FLT1	82.62		P	22:56:24.461	0.1	272.7		5.19		TAS		28.2	1.36	m_e mb	5.3
FUR	82.85		P	22:56:25.802	-0.2	272.7		5.19		TAS				m_e	
GEC2	84.41		P	22:56:34.056		272.7		5.19		TAS				m_e	
GOR1	82.63		P	22:56:25.432	-0.3	272.7		5.19		TAS				m_e	
GRA1	82.73		P	22:56:25.664	0.1	272.7		5.19		TAS				m_e	
GRA1	82.73		L	23:28:24.056						T__		175.8	21.20	a_e Ms	4.4
GTTG	81.86		P	22:56:21.408	0.1	272.7		5.19		TAS		10.2	0.89	m_e mb	5.0
IBBN	80.49		P	22:56:13.362	-0.5	272.7		5.19		TAS		13.9	0.96	m_e mb	4.9
MOX	82.94		P	22:56:26.747	0.3	272.7		5.19		TAS				m_e	
MOX	82.94		L	23:28:54.784						T__		161.3	21.20	a_e Ms	4.4
PLN	83.29		P	22:56:28.217	-0.4	272.7		5.19		TAS				m_e	
RETH	81.46		P	22:56:19.424	0.4	272.7		5.19		TAS		44.5	1.45	m_e mb	5.3
RGN	83.74		P	22:56:30.461	-0.1	272.7		5.19		TAS				m_e	
RUE	84.16		P	22:56:32.860		272.7		5.19		TAS				m_e	
STU	81.44		P	22:56:19.001	-0.1	272.7		5.19		TAS		36.4	1.14	m_e mb	5.3
TANN	83.49		P	22:56:29.749	0.2	272.7		5.19		TAS				m_e	

TNS	80.93	P	22:56:16.624	0.2	272.7	5.19	TAS	14.8	1.21	m_e	mb	4.9
UBR	82.08	P	22:56:22.649	-0.5	272.7	5.19	TAS	43.3	1.71	m_e	mb	5.3
WET	83.85	P	22:56:31.504	-0.2	272.7	5.19	TAS			m_e		
WLF	79.44	P	22:56:08.350	-0.1	272.7	5.19	TAS	33.4	1.17	m_e	mb	5.2

Event 10403002 East of South Sandwich Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/03	01:16:39.80			-59.6260	-7.7480				10.0			10		110.08	111.07	m i ke	NEIC
OrigID 10403041																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.3		BGR	10403008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	110.08		Pdiff	01:31:07.278		181.2		4.80		TAS				m_e		
GRA1	110.08		PP	01:35:07.827		190.1		6.44		TAS				m_e		
GRA1	110.08		L	02:17:20.929						T__		8145.2	21.20	a_e	Ms	6.2
MOX	111.07		L	02:21:16.661						T__		9170.5	18.10	a_e	Ms	6.4

Event 10403004 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2021/04/03	06:10:14.60	2.20	0.76	35.2680	22.7500	48.9	38.9	26	34.0					27	345	12.82	20.59	m i ke	NEIC
OrigID 10403043																			

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	10403010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ARSA	13.14		Pn	06:13:16.368						T__				m_e		
BFO	16.87		P	06:14:10.588	-0.7	144.5		10.98		TAS		5.9	0.79	m_e	mb	3.8
BIOA	14.15		Pn	06:13:32.108						T__				m_e		
BRG	16.84		P	06:14:10.574	-0.5	144.5		10.98		TAS				m_e		
BSEG	20.59		P	06:14:50.616		144.5		10.98		TAS		69.3	0.82	m_e	mb	5.0
BUG	19.62		P	06:14:41.845		144.5		10.98		TAS				m_e		
CLL	17.50		P	06:14:17.664	-0.1	144.5		10.98		TAS		13.7	0.65	m_e	mb	4.2
CLZ	18.79		P	06:14:32.094		144.5		10.98		TAS		13.4	0.76	m_e	mb	4.2
FETA	14.80		P	06:13:49.227	0.7	144.5		10.98		TAS				m_e		
FLT1	18.92		P	06:14:32.863		144.5		10.98		TAS		9.2	0.68	m_e	mb	4.1
FUR	15.44		P	06:13:55.264	0.2	144.5		10.98		TAS				m_e		
GEC2	15.12		P	06:13:52.378	0.2	144.5		10.98		TAS				m_e		
GOR1	19.48		P	06:14:40.214		144.5		10.98		TAS		31.6	1.36	m_e	mb	4.4

./bul2104.txt

Wed Jan 11 09:16:10 2023

5

GRA1	16.70	P	06:14:09.252	1.6	144.5	10.98	TAS	37.8	0.78	m_e	mb	4.6
GTTG	18.68	P	06:14:31.588		144.5	10.98	TAS			m_e		
IBBN	20.10	P	06:14:47.097		144.5	10.98	TAS	11.5	0.71	m_e	mb	4.2
KAST	18.98	P	06:14:34.365		144.5	10.98	TAS	8.4	0.87	m_e	mb	4.0
LESA	14.29	Pn	06:13:34.930				T__			m_e		
MOA	14.07	Pn	06:13:29.640				T__			m_e		
MOX	17.36	P	06:14:16.572	1.0	144.5	10.98	TAS			m_e		
NEUB	17.77	P	06:14:21.651	0.4	144.5	10.98	TAS	46.6	1.02	m_e	mb	4.6
OBKA	12.82	Pn	06:13:13.546				T__			m_e		
PLN	17.04	P	06:14:12.978	-0.7	144.5	10.98	TAS	19.9	1.72	m_e	mb	4.0
RETH	19.88	P	06:14:44.977		144.5	10.98	TAS	83.1	1.69	m_e	mb	4.7
RUE	18.34	P	06:14:26.823	-0.8	144.5	10.98	TAS	34.7	0.96	m_e	mb	4.5
SQTA	14.74	P	06:13:47.983	0.5	144.5	10.98	TAS			m_e		
STU	16.80	P	06:14:10.946	-0.1	144.5	10.98	TAS			m_e		
TANN	16.88	P	06:14:10.903	1.4	144.5	10.98	TAS	17.3	1.00	m_e	mb	4.1
TNS	18.21	P	06:14:26.305	-0.3	144.5	10.98	TAS	33.9	1.25	m_e	mb	4.3
UBR	15.57	P	06:13:56.427	0.4	144.5	10.98	TAS			m_e		
WET	15.65	P	06:13:57.537	-0.1	144.5	10.98	TAS			m_e		
WLF	18.82	P	06:14:33.074		144.5	10.98	TAS	26.2	0.87	m_e	mb	4.5
WTTA	14.59	Pn	06:13:39.992				T__			m_e		

Event 10403006 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/03	16:43:40.00			-3.9160	-12.3660				33.0			9		55.07	59.16	m i ke	BGR
	10403012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10403012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	59.09	P		16:53:38.589		208.3		7.06		TAS		9.5	1.39	m_e	mb	4.6
CLL	59.16	P		16:53:39.224		208.3		7.06		TAS		3.1	0.89	m_e	mb	4.3
FUR	55.87	P		16:53:16.017		208.3		7.06		TAS		38.4	1.34	m_e	mb	5.3
GEC2	57.27	P		16:53:25.913		208.3		7.06		TAS		12.1	0.89	m_e	mb	4.9
GRA1	57.19	P		16:53:25.306		208.3		7.06		TAS		5.4	0.76	m_e	mb	4.7
MOX	58.15	P		16:53:32.094		208.3		7.06		TAS		9.8	1.15	m_e	mb	4.7
PLN	58.18	P		16:53:31.850		208.3		7.06		TAS		2.1	0.95	m_e	mb	4.2
TANN	58.21	P		16:53:32.208		208.3		7.06		TAS		9.2	1.16	m_e	mb	4.7
TNS	56.86	P		16:53:22.998		208.3		7.06		TAS		10.2	1.10	m_e	mb	4.8
UBR	55.07	P		16:53:10.063		208.3		7.06		TAS		12.9	0.98	m_e	mb	4.9
WET	57.25	P		16:53:25.561		208.3		7.06		TAS		8.5	1.06	m_e	mb	4.7

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
10403007 Banda Sea	2021/04/03	18:42:01.90			-5.1650	128.1070				329.0			6		109.12	113.38	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
AHRW	113.36		sPKiKP	19:03:03.835		74.2		2.20		TAS					m_e
ASSE	110.69		PKiKP	18:59:55.596	0.3	72.2		1.78		TAS					m_e
BFO	113.38		PKiKP	18:59:59.172		72.2		1.78		TAS					m_e
BRG	109.12		PKiKP	18:59:51.992	0.0	72.2		1.78		TAS					m_e
BSEG	110.28		PKiKP	18:59:54.537	-0.6	72.2		1.78		TAS					m_e
BSEG	110.28		sPKiKP	19:02:57.029		74.2		2.20		TAS					m_e
BUG	112.91		PKiKP	18:59:58.971	-0.1	72.2		1.78		TAS					m_e
CLL	109.57		PKiKP	18:59:52.759	-0.3	72.2		1.78		TAS					m_e
CLZ	110.96		PKiKP	18:59:55.443	0.3	72.2		1.78		TAS					m_e
CLZ	110.96		sPKiKP	19:02:57.899		74.2		2.20		TAS					m_e
FLT1	110.29		PKiKP	18:59:53.602	0.0	72.2		1.78		TAS					m_e
FUR	111.57		PKiKP	18:59:56.210		72.2		1.78		TAS					m_e
GEC2	109.83		PKiKP	18:59:52.835		72.2		1.78		TAS					m_e
GRA1	111.14		PKiKP	18:59:55.136		72.2		1.78		TAS					m_e
GTTG	111.30		PKiKP	18:59:55.750	0.1	72.2		1.78		TAS					m_e
IBBN	112.30		PKiKP	18:59:57.621	0.1	72.2		1.78		TAS					m_e
KAST	112.32		PKiKP	18:59:58.051	-0.2	72.2		1.78		TAS					m_e
KAST	112.32		sPKiKP	19:03:01.109		74.2		2.20		TAS					m_e
MOX	110.60		PKiKP	18:59:55.421	0.2	72.2		1.78		TAS					m_e
NEUB	110.34		PKiKP	18:59:54.446	-0.4	72.2		1.78		TAS					m_e
PLN	110.32		PKiKP	18:59:54.789	0.2	72.2		1.78		TAS					m_e
RETH	111.23		sPKiKP	19:03:00.282		74.2		2.20		TAS					m_e
STU	112.69		PKiKP	18:59:58.339		72.2		1.78		TAS					m_e
TANN	110.16		PKiKP	18:59:53.526	-0.1	72.2		1.78		TAS					m_e
TNS	112.65		PKiKP	18:59:57.845		72.2		1.78		TAS					m_e
UBR	112.46		PKiKP	18:59:57.360		72.2		1.78		TAS					m_e
WET	110.27		PKiKP	18:59:53.296		72.2		1.78		TAS					m_e
WET	110.27		sPKiKP	19:02:56.913		74.2		2.20		TAS					m_e

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
10403008 Mid-Indian Ridge	2021/04/03	20:26:02.35			-9.1390	67.2140				33.0					76.23	76.53	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10403014

Ms 4.4 BGR 10403014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.23		P	20:37:48.579		122.7		6.83		TAS		7.8	1.01	m_e	mb 4.8
GRA1	76.23		L	21:13:27.991						T__		146.2	21.30	a_e	Ms 4.3
MOX	76.53		L	21:09:06.026						T__		251.8	20.70	a_e	Ms 4.5

Event 10404001 Namibia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/04	01:41:00.93			-19.6140	15.2960				10.0			9		67.19	73.41	m i ke	BGR
OrigID 10404007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	10404007
Ms	4.8		BGR	10404007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	70.26		P	01:52:16.453	0.6	175.9		6.19		TAS		137.0	1.25	a_e	mb 5.9
ASSE	71.59		P	01:52:24.203	0.2	175.9		6.19		TAS		107.1	1.30	a_e	mb 5.8
BFO	67.96		S	02:00:59.854	-1.2	179.7		10.14		TAS				m_e	
BFO	67.96		P	01:52:01.303	-0.6	175.9		6.19		TAS		36.0	0.95	a_e	mb 5.6
BRG	70.23		S	02:01:25.089		179.7		10.14		TAS				m_e	
BRG	70.23		P	01:52:15.887	0.5	175.9		6.19		TAS		25.2	0.90	m_e	mb 5.3
BSEG	73.41		P	01:52:34.703	0.6	175.9		6.19		TAS		91.1	1.00	a_e	mb 5.9
BUG	71.14		P	01:52:21.153	0.1	175.9		6.19		TAS		83.4	1.03	a_e	mb 5.8
CLL	70.68		P	01:52:18.653	-0.1	175.9		6.19		TAS		73.4	1.21	m_e	mb 5.7
CLZ	71.32		P	01:52:22.303	-0.2	175.9		6.19		TAS		54.2	1.18	a_e	mb 5.6
FLT1	71.76		P	01:52:24.853	-0.3	175.9		6.19		TAS		36.3	1.01	a_e	mb 5.5
FUR	67.60		P	01:51:59.453		175.9		6.19		TAS		281.7	1.09	a_e	mb 6.4
GEC2	68.20		S	02:01:03.534	0.6	179.7		10.14		TAS				m_e	
GEC2	68.20		P	01:52:03.703	-0.4	175.9		6.19		TAS		132.8	1.26	a_e	mb 6.0
GOR1	72.42		P	01:52:29.553	0.1	175.9		6.19		TAS		187.1	1.41	a_e	mb 6.0
GRA1	69.13		S	02:01:13.523	0.3	179.7		10.14		TAS				m_e	
GRA1	69.13		P	01:52:09.238	0.5	175.9		6.19		TAS		205.9	1.09	m_e	mb 6.3
GRA1	69.13		L	02:23:03.282						T__		568.9	21.80	a_e	Ms 4.8
GTTG	71.05		S	02:01:32.449		179.7		10.14		TAS				m_e	
GTTG	71.05		P	01:52:21.103	0.0	175.9		6.19		TAS		164.8	1.45	a_e	mb 6.0
IBBN	71.95		P	01:52:26.653	-0.1	175.9		6.19		TAS		129.2	1.29	a_e	mb 5.9
KAST	70.81		P	01:52:19.503	0.1	175.9		6.19		TAS		96.4	1.10	a_e	mb 5.8
MOX	70.07		P	01:52:14.553	-0.2	175.9		6.19		TAS		47.8	1.00	a_e	mb 5.6
MOX	70.07		L	02:23:08.506						T__		702.7	19.60	a_e	Ms 4.9
NEUB	70.61		P	01:52:18.103	-0.3	175.9		6.19		TAS		154.6	0.99	a_e	mb 6.1
PLN	69.89		P	01:52:13.553	0.4	175.9		6.19		TAS		15.9	1.34	a_e	mb 5.0
RETH	72.27		P	01:52:29.103	0.2	175.9		6.19		TAS		260.8	1.49	a_e	mb 6.1
RUE	71.83		P	01:52:25.853	-0.5	175.9		6.19		TAS		136.3	1.15	a_e	mb 6.0

./bul2104.txt

Wed Jan 11 09:16:10 2023

8

STU	68.33	P	01:52:04.003	-0.1	175.9	6.19	TAS	236.6	1.12	a_e	mb	6.3
TANN	69.81	S	02:01:20.883	0.3	179.7	10.14	TAS			m_e		
TANN	69.81	P	01:52:13.757	0.2	175.9	6.19	TAS	72.8	1.35	m_e	mb	5.6
TNS	69.83	P	01:52:13.698	0.2	175.9	6.19	TAS	71.9	0.80	m_e	mb	5.8
UBR	67.19	S	02:00:53.436	0.6	179.7	10.14	TAS			m_e		
UBR	67.19	P	01:51:56.353		175.9	6.19	TAS	65.4	1.01	a_e	mb	5.8
WET	68.52	S	02:01:08.265	-0.7	179.7	10.14	TAS			m_e		
WET	68.52	P	01:52:05.303	-0.1	175.9	6.19	TAS	94.0	1.35	a_e	mb	5.8
WLF	69.49	S	02:01:13.523	-0.3	179.7	10.14	TAS			m_e		
WLF	69.49	P	01:52:11.203	0.1	175.9	6.19	TAS	194.1	1.17	a_e	mb	6.2

Event 10404005 Gulf of California, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/04	18:43:35.48			23.7310	-108.2090				33.0					88.88	89.26	m i ke	BGR
OrigID 10404011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	10404011
Ms	5.1		BGR	10404011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	89.26		P	18:56:27.745		307.1		4.10		TAS		10.8	1.23	m_e	mb	4.9
GRA1	89.26		L	19:35:16.470						T__		654.2	19.70	a_e	Ms	5.1
MOX	88.88		L	19:33:43.005						T__		795.4	19.60	a_e	Ms	5.1

Event 10405001 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/05	00:31:45.48			32.8950	139.5880				33.0					85.79	85.79	m i ke	BGR
OrigID 10405007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10405007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	85.79		P	00:44:20.861		47.6		4.38		TAS		5.1	1.06	m_e	mb	4.6

Event 10405002 Southeast of Loyalty Islands

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

OrigID
 2021/04/05 01:42:40.72 -22.1580 172.1180 94.3 2.0 25 145.34 150.79 m i ke BGR
 10405008

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	146.77		PKPbc	02:02:11.290	0.1	35.6		2.70		TAS					a_e	
ASSE	146.77		pPKPab	02:02:40.310	0.1	35.9		3.41		TAS					m_e	
BFO	150.79		PKPbc	02:02:21.399	-0.5	35.6		2.70		TAS					m_e	
BRG	146.61		PKPbc	02:02:10.490	-0.1	35.6		2.70		TAS					a_e	
BRG	146.61		pPKPbc	02:02:36.222	0.0	35.8		2.80		TAS					m_e	
BRG	146.61		pPKPab	02:02:39.461	-0.1	35.9		3.41		TAS					m_e	
BSEG	145.34		PKPbc	02:02:06.740	-0.7	35.6		2.70		TAS					a_e	
CLL	146.63		PKPbc	02:02:10.340	-0.3	35.6		2.70		TAS					m_e	
CLL	146.63		pPKPbc	02:02:36.067	0.4	35.8		2.80		TAS					m_e	
CLL	146.63		pPKPab	02:02:39.305	-0.1	35.9		3.41		TAS					m_e	
CLZ	147.11		PKPbc	02:02:12.490	0.4	35.6		2.70		TAS					a_e	
FLT1	146.41		PKPbc	02:02:09.740	-0.4	35.6		2.70		TAS					a_e	
FLT1	146.41		pPKPab	02:02:38.870	0.2	35.9		3.41		TAS					m_e	
FUR	149.82		PKPbc	02:02:18.986	-0.3	35.6		2.70		TAS					m_e	
GEC2	148.28		PKPbc	02:02:15.240	0.0	35.6		2.70		TAS					m_e	
GEC2	148.28		pPKPbc	02:02:41.034		35.8		2.80		TAS					m_e	
GOR1	145.84		PKPbc	02:02:08.490	-0.2	35.6		2.70		TAS					a_e	
GRA1	148.60		PKPbc	02:02:16.131	0.1	35.6		2.70		TAS					m_e	
GRA1	148.60		pPKPbc	02:02:42.192		35.8		2.80		TAS					m_e	
GTTG	147.50		PKPbc	02:02:13.490	0.4	35.6		2.70		TAS					a_e	
IBBN	147.51		PKPbc	02:02:13.390	-0.1	35.6		2.70		TAS					a_e	
IBBN	147.51		pPKPab	02:02:43.019		35.9		3.41		TAS					m_e	
KAST	148.29		PKPbc	02:02:15.590	0.2	35.6		2.70		TAS					a_e	
MOX	147.68		PKPbc	02:02:13.740	0.2	35.6		2.70		TAS					a_e	
MOX	147.68		pPKPab	02:02:43.173		35.9		3.41		TAS					m_e	
NEUB	147.17		PKPbc	02:02:12.190	0.1	35.6		2.70		TAS					a_e	
NEUB	147.17		pPKPbc	02:02:37.750		35.8		2.80		TAS					m_e	
PLN	147.61		PKPbc	02:02:13.540	0.2	35.6		2.70		TAS					a_e	
PLN	147.61		pPKPab	02:02:42.824		35.9		3.41		TAS					m_e	
RETH	146.66		PKPbc	02:02:10.990	-0.0	35.6		2.70		TAS					a_e	
RUE	145.40		PKPbc	02:02:07.576	0.2	35.6		2.70		TAS					m_e	
STU	150.11		PKPbc	02:02:20.090	0.0	35.6		2.70		TAS					a_e	
TANN	147.55		PKPbc	02:02:13.390	0.3	35.6		2.70		TAS					a_e	
TANN	147.55		pPKPbc	02:02:39.062		35.8		2.80		TAS					m_e	
TANN	147.55		pPKPab	02:02:42.527		35.9		3.41		TAS					m_e	
TNS	149.13		PKPbc	02:02:17.740	0.2	35.6		2.70		TAS					a_e	
UBR	150.67		PKPbc	02:02:21.090	-0.5	35.6		2.70		TAS					a_e	
UBR	150.67		pPKPbc	02:02:47.412		35.8		2.80		TAS					m_e	
WET	148.39		PKPbc	02:02:15.690	0.2	35.6		2.70		TAS					a_e	
WLF	150.33		PKPbc	02:02:21.390	0.4	35.6		2.70		TAS					a_e	

Event 10405004 East of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/05	07:37:50.96			-37.5900	-179.0400				33.0			27		162.36	167.94	m i ke	BGR
OrigID 10405010																	

Magnitude	Err	Nsta	Author	OrigID
Ms 6.1			BGR	10405010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	166.26		PKPdf	07:57:55.323	0.1	53.8		0.93		TAS					m_e
AHRW	166.26		PKPab	07:58:54.001	-0.5	33.6		4.29		TAS					m_e
ASSE	163.88		PKPdf	07:57:53.655	0.9	53.8		0.93		TAS					m_e
ASSE	163.88		PKPab	07:58:43.852	0.2	33.6		4.29		TAS					m_e
BFO	167.94		PKPdf	07:57:55.207	-0.7	53.8		0.93		TAS					m_e
BFO	167.94		PKPab	07:59:01.290	0.4	33.6		4.29		TAS					m_e
BRG	163.78		PKPdf	07:57:51.581	-0.2	53.8		0.93		TAS					m_e
BRG	163.78		PKPab	07:58:43.236	0.1	33.6		4.29		TAS					m_e
BSEG	162.36		PKPdf	07:57:50.971	-0.9	53.8		0.93		TAS					m_e
BSEG	162.36		PKPab	07:58:37.106	-0.5	33.6		4.29		TAS					m_e
BUG	165.38		PKPdf	07:57:54.448	-0.2	53.8		0.93		TAS					m_e
BUG	165.38		PKPab	07:58:50.302	-0.6	33.6		4.29		TAS					m_e
CLL	163.80		PKPdf	07:57:51.647	-0.4	53.8		0.93		TAS					m_e
CLL	163.80		PKPab	07:58:43.718	0.7	33.6		4.29		TAS					m_e
CLZ	164.22		PKPdf	07:57:53.216	0.2	53.8		0.93		TAS					m_e
CLZ	164.22		PKPab	07:58:44.151	-0.9	33.6		4.29		TAS					m_e
FLT1	163.53		PKPdf	07:57:52.094	-0.2	53.8		0.93		TAS					m_e
FLT1	163.53		PKPab	07:58:42.537	0.5	33.6		4.29		TAS					m_e
FUR	166.98		PKPdf	07:57:55.079	0.5	53.8		0.93		TAS					m_e
FUR	166.98		PKPab	07:58:57.552	0.6	33.6		4.29		TAS					m_e
GEC2	165.41		PKPdf	07:57:52.841	-0.2	53.8		0.93		TAS					m_e
GEC2	165.41		PKPab	07:58:49.607	-1.0	33.6		4.29		TAS					m_e
GOR1	162.94		PKPdf	07:57:52.253	0.3	53.8		0.93		TAS					m_e
GOR1	162.94		PKPab	07:58:40.019	0.4	33.6		4.29		TAS					m_e
GRA1	165.78		PKPdf	07:57:53.977	0.2	53.8		0.93		TAS					m_e
GRA1	165.78		PKPab	07:58:52.019	0.5	33.6		4.29		TAS					m_e
GRA1	165.78		L	09:13:05.718						T__		2530.3	21.10	a_e Ms	6.1
GTTG	164.60		PKPdf	07:57:53.607	0.3	53.8		0.93		TAS					m_e
GTTG	164.60		PKPab	07:58:47.102	0.4	33.6		4.29		TAS					m_e
IBBN	164.46		PKPdf	07:57:54.042	0.1	53.8		0.93		TAS					m_e
IBBN	164.46		PKPab	07:58:47.391	0.3	33.6		4.29		TAS					m_e
KAST	165.33		PKPdf	07:57:54.350	0.1	53.8		0.93		TAS					m_e
KAST	165.33		PKPab	07:58:50.369	0.2	33.6		4.29		TAS					m_e
MOX	164.84		PKPdf	07:57:52.930	-0.1	53.8		0.93		TAS					m_e
MOX	164.84		PKPab	07:58:47.531	0.0	33.6		4.29		TAS					m_e
MOX	164.84		L	09:22:59.984						T__		2717.2	19.00	a_e Ms	6.1
NEUB	164.33		PKPdf	07:57:53.687	1.0	53.8		0.93		TAS					m_e

./bul2104.txt

Wed Jan 11 09:16:10 2023

11

NEUB	164.33	PKPab	07:58:44.798	-0.5	33.6	4.29	TAS	m_e
PLN	164.78	PKPdf	07:57:52.467	-0.4	53.8	0.93	TAS	m_e
PLN	164.78	PKPab	07:58:47.358	0.1	33.6	4.29	TAS	m_e
RETH	163.69	PKPdf	07:57:52.534	-0.4	53.8	0.93	TAS	m_e
RETH	163.69	PKPab	07:58:43.411	0.1	33.6	4.29	TAS	m_e
RUE	162.57	PKPdf	07:57:51.219	0.1	53.8	0.93	TAS	m_e
RUE	162.57	PKPab	07:58:37.509	-0.2	33.6	4.29	TAS	m_e
STU	167.27	PKPdf	07:57:55.682	0.4	53.8	0.93	TAS	m_e
STU	167.27	PKPab	07:58:58.012	0.1	33.6	4.29	TAS	m_e
TANN	164.72	PKPdf	07:57:52.562	-0.2	53.8	0.93	TAS	m_e
TANN	164.72	PKPab	07:58:47.252	0.2	33.6	4.29	TAS	m_e
TNS	166.21	PKPdf	07:57:54.851	0.0	53.8	0.93	TAS	m_e
TNS	166.21	PKPab	07:58:54.003	0.2	33.6	4.29	TAS	m_e
UBR	167.84	PKPdf	07:57:55.009	-0.4	53.8	0.93	TAS	m_e
UBR	167.84	PKPab	07:59:00.059	-0.4	33.6	4.29	TAS	m_e
WET	165.55	PKPdf	07:57:53.374	0.1	53.8	0.93	TAS	m_e
WET	165.55	PKPab	07:58:50.562	-0.3	33.6	4.29	TAS	m_e
WLF	167.29	PKPdf	07:57:56.327	0.1	53.8	0.93	TAS	m_e
WLF	167.29	PKPab	07:58:59.038	-0.0	33.6	4.29	TAS	m_e

Event 10405005 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/05	08:10:37.35			-17.1540	179.0040				600.0			26		141.00	148.14	m i ke	BGR
OrigID 10405011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.98		PKPab	08:30:14.534		21.0		4.24		TAS					m_e
ASSE	143.82		PKPab	08:30:04.474	-0.0	21.0		4.24		TAS					m_e
ASSE	143.82		pPKPbc	08:32:46.211	0.1	21.5		2.42		TAS					m_e
BFO	147.90		PKPab	08:30:21.124		21.0		4.24		TAS					m_e
BRG	144.22		PKPab	08:30:05.646	0.6	21.0		4.24		TAS					m_e
BRG	144.22		pPKPbc	08:32:47.488	-0.2	21.5		2.42		TAS					m_e
BSEG	142.17		pPKPbc	08:32:42.700	0.3	21.5		2.42		TAS					m_e
CLL	144.07		PKPab	08:30:04.995	0.8	21.0		4.24		TAS					m_e
CLL	144.07		pPKPbc	08:32:46.930	0.2	21.5		2.42		TAS					m_e
CLZ	144.15		PKPab	08:30:05.386	0.0	21.0		4.24		TAS					m_e
FLT1	143.51		PKPab	08:30:02.977	-0.4	21.0		4.24		TAS					m_e
FLT1	143.51		pPKPbc	08:32:45.455	0.1	21.5		2.42		TAS					m_e
FUR	147.40		pPKPbc	08:32:55.144		21.5		2.42		TAS					m_e
GEC2	146.13		PKPab	08:30:14.175		21.0		4.24		TAS					m_e
GEC2	146.13		pPKPbc	08:32:51.812		21.5		2.42		TAS					m_e
GRA1	145.99		PKPab	08:30:13.979		21.0		4.24		TAS					m_e
GTTG	144.51		PKPab	08:30:06.779	-0.5	21.0		4.24		TAS					m_e

./bul2104.txt

Wed Jan 11 09:16:10 2023

12

IBBN	144.16	pPKPbc	08:32:47.558	0.1	21.5	2.42	TAS	m_e
KAST	145.12	pPKPbc	08:32:49.262		21.5	2.42	TAS	m_e
MOX	145.01	PKPab	08:30:09.193	-0.1	21.0	4.24	TAS	m_e
MOX	145.01	pPKPbc	08:32:49.235	-0.1	21.5	2.42	TAS	m_e
NEUB	144.46	pPKPbc	08:32:47.976	-0.2	21.5	2.42	TAS	m_e
PLN	145.03	pPKPbc	08:32:49.008	0.2	21.5	2.42	TAS	m_e
RETH	143.49	PKPab	08:30:02.990	-0.3	21.0	4.24	TAS	m_e
RETH	143.49	pPKPbc	08:32:45.406	-0.1	21.5	2.42	TAS	m_e
RGN	141.00	pPKPbc	08:32:39.328	-0.1	21.5	2.42	TAS	m_e
RUE	142.80	pPKPbc	08:32:44.158	-0.2	21.5	2.42	TAS	m_e
STU	147.30	PKPab	08:30:18.472		21.0	4.24	TAS	m_e
TANN	145.02	pPKPbc	08:32:48.998	0.5	21.5	2.42	TAS	m_e
TNS	146.06	PKPab	08:30:13.914		21.0	4.24	TAS	m_e
TNS	146.06	pPKPbc	08:32:51.537		21.5	2.42	TAS	m_e
UBR	148.14	PKPab	08:30:22.323		21.0	4.24	TAS	m_e
WET	146.08	PKPab	08:30:14.435		21.0	4.24	TAS	m_e
WLF	146.97	pPKPbc	08:32:54.729		21.5	2.42	TAS	m_e

Event 10405006 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
2021/04/05	13:43:05.58			53.8410	163.4340				33.0					74.09	74.09	m i ke	BGR
OrigID 10405012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10405012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	74.09		P	13:54:37.490		14.5		5.15		TAS		10.5	0.93	m_e mb	4.8

Event 10405007 Sikkim, India

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/05	15:20:10.93			27.6970	88.9830				33.0					61.70	61.70	m i ke	BGR
OrigID 10405013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	10405013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	61.70		P	15:30:25.427		88.3		5.81		TAS		29.7	1.80	m_e mb	5.2

Event 10406003 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/06	08:16:14.30			-29.4800	-176.8300				10.0			10		156.62	160.68	m i ke	EMSC
OrigID 10406035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	10406009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	156.62		PKPab	08:36:39.844	0.2	19.1		4.45		TAS					m_e
BFO	160.68		PKPab	08:36:57.629		19.1		4.45		TAS					m_e
CLL	156.92		PKPab	08:36:40.270	0.1	19.1		4.45		TAS					m_e
CLZ	156.95		PKPab	08:36:40.318		19.1		4.45		TAS					m_e
GEC2	158.99		PKPab	08:36:50.499		19.1		4.45		TAS					m_e
GRA1	158.83		PKP	08:36:48.448		19.1		4.45		TAS					m_e
GRA1	158.83		L	09:52:46.795						T__		1695.6	20.20	a_e Ms	5.9
GTTG	157.30		PKPab	08:36:42.826		19.1		4.45		TAS					m_e
KAST	157.87		PKPab	08:36:45.100		19.1		4.45		TAS					m_e
MOX	157.85		PKPab	08:36:45.427		19.1		4.45		TAS					m_e
MOX	157.85		L	09:55:29.990						T__		1012.2	20.10	a_e Ms	5.7
WET	158.94		PKPab	08:36:49.447		19.1		4.45		TAS					m_e
WLF	159.63		PKPab	08:36:53.509		19.1		4.45		TAS					m_e

Event 10406004 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/06	08:54:20.10	3.81	0.66	45.2080	16.1900	57.8	11.1	137	5.0			22	304	1.73	7.23	m i ke	ZAG
OrigID 10406009																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.4		BGR	10406010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	2.09		Pn	08:54:56.015	-0.2					T__					m_e ML 3.9
BFO	6.23		Pn	08:55:53.099	-1.7					T__					m_e ML 4.6
BIOA	3.04		Pn	08:55:09.921	0.2					T__					m_e ML 4.2
DAVA	4.84		Pn	08:55:35.996	-0.2					T__					m_e ML 4.6
FETA	4.21		Pn	08:55:27.820	0.4					T__					m_e ML 4.4
GEC2	4.01		Pn	08:55:22.911	0.2					T__					m_e ML 4.2
KBA	2.72		Pn	08:55:05.761	-0.1					T__					m_e ML 4.2
LESA	3.29		Pn	08:55:14.396	0.7					T__					m_e ML 4.2
MANZ	5.52		Pn	08:55:43.315	-0.1					T__					m_e ML 4.4
MOA	2.96		Pn	08:55:09.025	0.8					T__					m_e ML 4.1

MOTA	4.12	Pn	08:55:25.887	0.0	T__	m_e ML	4.4
MOX	6.24	Pn	08:55:53.423	0.0	T__	m_e ML	4.6
NORI	5.18	Pn	08:55:38.513	-1.0	T__	m_e ML	4.6
OBKA	1.73	Pn	08:54:51.481	-0.6	T__	m_e	
RETA	4.39	Pn	08:55:29.708	0.1	T__	m_e ML	4.3
RJOB	3.45	Pn	08:55:16.322	0.8	T__	m_e ML	3.9
ROTZ	5.30	Pn	08:55:39.452	-1.0	T__	m_e ML	4.3
SQTA	4.00	Pn	08:55:25.364	1.1	T__	m_e ML	4.4
TNS	7.23	Pn	08:56:08.187	0.5	T__	m_e ML	4.8
UBR	4.87	Pn	08:55:35.584	-0.6	T__	m_e ML	4.7
WTTA	3.77	Pn	08:55:21.443	0.6	T__	m_e ML	4.5
ZUGS	4.23	Pn	08:55:27.375	0.0	T__	m_e ML	4.6

Event 10406005 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/06	10:07:46.70			-29.6700	-176.5700				10.0			23		155.16	161.21	m i ke	EMSC
	10406037																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	156.85		PKPab	10:28:12.963	-0.5	19.4		4.34		TAS				m_e	
BFO	160.91		PKPab	10:28:30.168		19.4		4.34		TAS				m_e	
BRG	157.33		PKPab	10:28:15.095	0.2	19.4		4.34		TAS				m_e	
BSEG	155.16		PKPab	10:28:05.819	-0.3	19.4		4.34		TAS				m_e	
BUG	157.98		PKPab	10:28:17.769	-0.3	19.4		4.34		TAS				m_e	
CLL	157.16		PKPab	10:28:13.921	-0.1	19.4		4.34		TAS				m_e	
CLZ	157.18		PKPab	10:28:14.417	-0.0	19.4		4.34		TAS				m_e	
FLT1	156.56		PKPab	10:28:11.573	-0.4	19.4		4.34		TAS				m_e	
FUR	160.50		PKPab	10:28:29.183		19.4		4.34		TAS				m_e	
GEC2	159.24		PKPab	10:28:23.648		19.4		4.34		TAS				m_e	
GOR1	155.91		PKPab	10:28:09.334	-0.0	19.4		4.34		TAS				m_e	
GRA1	159.07		PKPab	10:28:22.977	0.2	19.4		4.34		TAS				m_e	
GTTG	157.53		PKPab	10:28:15.849	-0.3	19.4		4.34		TAS				m_e	
IBBN	157.08		PKPab	10:28:13.921	0.0	19.4		4.34		TAS				m_e	
KAST	158.09		PKPab	10:28:18.365	0.2	19.4		4.34		TAS				m_e	
MOX	158.09		PKPab	10:28:17.979	0.4	19.4		4.34		TAS				m_e	
PLN	158.12		PKPab	10:28:18.449	-0.3	19.4		4.34		TAS				m_e	
STU	160.34		PKPab	10:28:28.124		19.4		4.34		TAS				m_e	
TANN	158.12		PKPab	10:28:18.785	0.1	19.4		4.34		TAS				m_e	
TNS	159.04		PKPab	10:28:22.474	-0.4	19.4		4.34		TAS				m_e	
UBR	161.21		PKPab	10:28:32.118		19.4		4.34		TAS				m_e	
WET	159.19		PKPab	10:28:23.564		19.4		4.34		TAS				m_e	
WLF	159.84		PKPab	10:28:26.559	0.3	19.4		4.34		TAS				m_e	

Event 10406007 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/06	15:12:34.39			35.1290	44.6630				33.0			35		24.89	31.54	m i ke	BGR
OrigID 10406013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10406013
Ms	4.4		BGR	10406013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	31.17		P	15:18:50.464		108.2		8.91		TAS		115.4	1.31	m_e	mb	5.6
ARSA	24.89		P	15:17:54.048	-0.1	108.2		8.91		TAS		78.2	0.85	m_e	mb	5.5
ASSE	29.53		P	15:18:35.242	0.9	108.2		8.91		TAS		54.3	1.38	m_e	mb	5.2
BFO	29.85		P	15:18:37.966	0.0	108.2		8.91		TAS		79.3	2.25	m_e	mb	5.2
BIOA	26.24		P	15:18:05.724	-0.4	108.2		8.91		TAS		116.8	1.13	m_e	mb	5.4
BRG	27.16		P	15:18:13.920	-0.3	108.2		8.91		TAS		46.9	1.21	m_e	mb	5.1
BSEG	30.43		P	15:18:42.826	0.1	108.2		8.91		TAS		54.5	1.39	m_e	mb	5.2
BUG	31.30		P	15:18:51.624		108.2		8.91		TAS		105.8	1.31	m_e	mb	5.6
CLL	27.88		P	15:18:20.106	-0.5	108.2		8.91		TAS		68.1	1.33	m_e	mb	5.3
CLZ	29.60		P	15:18:35.926	0.8	108.2		8.91		TAS		92.2	1.30	m_e	mb	5.5
FLT1	29.28		P	15:18:32.455	-0.2	108.2		8.91		TAS		111.8	1.40	m_e	mb	5.5
FUR	27.90		P	15:18:21.461	-0.6	108.2		8.91		TAS		207.5	1.19	m_e	mb	5.8
GEC2	26.56		P	15:18:09.473	0.1	108.2		8.91		TAS		64.9	1.36	m_e	mb	5.2
GOR1	29.50		P	15:18:35.084	0.2	108.2		8.91		TAS		135.6	1.42	m_e	mb	5.6
GRA1	28.37		P	15:18:25.522	0.8	108.2		8.91		TAS		162.3	1.21	m_e	mb	5.7
GRA1	28.37		L	15:32:22.992						T__		984.2	18.00	a_e	Ms	4.5
GTTG	29.73		P	15:18:37.135	0.1	108.2		8.91		TAS		73.7	1.32	m_e	mb	5.3
IBBN	31.27		P	15:18:51.280		108.2		8.91		TAS		200.4	1.24	m_e	mb	5.9
KAST	30.54		P	15:18:44.857		108.2		8.91		TAS		80.5	1.30	m_e	mb	5.5
KBA	26.26		P	15:18:06.474	0.5	108.2		8.91		TAS		88.2	0.95	m_e	mb	5.4
LESA	26.79		P	15:18:10.432	-0.4	108.2		8.91		TAS		154.0	1.76	m_e	mb	5.4
MOA	25.88		P	15:18:02.623	-0.5	108.2		8.91		TAS		127.1	1.11	m_e	mb	5.5
MOTA	27.80		P	15:18:19.111	-0.1	108.2		8.91		TAS		59.7	0.91	m_e	mb	5.4
MOX	28.45		P	15:18:25.250	-0.3	108.2		8.91		TAS		24.9	1.33	m_e	mb	4.9
MOX	28.45		L	15:30:25.848						T__		720.7	19.90	a_e	Ms	4.3
NEUB	28.55		P	15:18:25.916	-0.5	108.2		8.91		TAS		53.1	1.22	m_e	mb	5.2
OBKA	25.31		P	15:17:59.168	1.9	108.2		8.91		TAS		97.2	1.06	m_e	mb	5.5
PLN	28.07		P	15:18:22.024	-0.8	108.2		8.91		TAS		10.6	1.50	m_e	mb	4.5
RETH	30.50		P	15:18:44.392	-0.6	108.2		8.91		TAS		161.5	1.32	m_e	mb	5.8
RUE	27.92		P	15:18:20.006	0.6	108.2		8.91		TAS		35.4	0.68	m_e	mb	5.3
STU	29.39		P	15:18:33.791	-0.2	108.2		8.91		TAS		98.6	1.08	m_e	mb	5.6
TANN	27.86		P	15:18:20.494	-0.5	108.2		8.91		TAS		89.7	1.94	m_e	mb	5.3
TNS	30.24		P	15:18:42.343	0.3	108.2		8.91		TAS		194.2	1.38	m_e	mb	5.8
UBR	28.54		P	15:18:27.068	0.8	108.2		8.91		TAS		100.7	1.04	m_e	mb	5.6
WET	27.17		P	15:18:14.364	-0.4	108.2		8.91		TAS		94.4	1.30	m_e	mb	5.4

WLF	31.54	P	15:18:52.978	108.2	8.91	TAS	81.2	1.10	m_e	mb	5.6
WTTA	27.43	P	15:18:16.463	0.1 108.2	8.91	TAS	132.5	1.30	m_e	mb	5.5

Event 10406009 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/06	21:48:40.72			31.8710	93.0550				33.0					61.41	61.41	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10406015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	61.41		P	21:58:53.080		78.0		6.36		TAS		16.3	1.09	m_e	mb	4.8

Event 10407010 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2021/04/07	09:53:29.20			-29.1400	-176.5000				15.0					26	154.65	160.72	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
Ms	6.3		BGR	10407016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	158.37		SS	10:37:46.619	1.0	17.9		10.91		TAS				a_e		
ASSE	156.34		SS	10:37:20.719	-5.6	17.9		10.91		TAS				a_e		
BFO	160.40		SS	10:38:04.419	-0.5	17.9		10.91		TAS				a_e		
BRG	156.84		SS	10:37:26.219	0.5	17.9		10.91		TAS				a_e		
BSEG	154.65		SS	10:37:04.369	-1.1	17.9		10.91		TAS				a_e		
BUG	157.46		SS	10:37:35.069	1.3	17.9		10.91		TAS				a_e		
CLL	156.67		SS	10:37:23.319	0.1	17.9		10.91		TAS				a_e		
CLZ	156.67		SS	10:37:24.169	-0.0	17.9		10.91		TAS				a_e		
FLT1	156.05		SS	10:37:17.269	0.3	17.9		10.91		TAS				a_e		
FUR	160.00		SS	10:37:59.919	-0.5	17.9		10.91		TAS				a_e		
GEC2	158.76		SS	10:37:47.919	0.2	17.9		10.91		TAS				a_e		
GRA1	158.57		SS	10:37:44.919	-0.2	17.9		10.91		TAS				a_e		
GRA1	158.57		PKPab	10:14:01.859		18.8		3.90		TAS				m_e		
GRA1	158.57		L	11:27:29.166						T__		4236.9	19.20	a_e	Ms	6.3
GTTG	157.02		SS	10:37:28.419	-0.6	17.9		10.91		TAS				a_e		
HLG	154.69		SS	10:37:02.919	0.7	17.9		10.91		TAS				a_e		
IBBN	156.56		SS	10:37:18.519	-0.7	17.9		10.91		TAS				a_e		
KAST	157.57		SS	10:37:35.869	0.4	17.9		10.91		TAS				a_e		

./bul2104.txt

Wed Jan 11 09:16:10 2023

17

MOX	157.59	SS	10:37:34.269	-0.1	17.9	10.91	TAS									a_e	
MOX	157.59	L	11:32:18.683				T__				4462.3	18.90	a_e Ms			6.3	
NEUB	157.04	SS	10:37:27.219	1.0	17.9	10.91	TAS									a_e	
PLN	157.62	SS	10:37:33.719	2.7	17.9	10.91	TAS									a_e	
RUE	155.40	SS	10:37:10.919	0.1	17.9	10.91	TAS									a_e	
STU	159.83	SS	10:37:58.269	-0.5	17.9	10.91	TAS									a_e	
TANN	157.62	SS	10:37:34.269	-0.6	17.9	10.91	TAS									a_e	
TNS	158.53	SS	10:37:45.819	0.3	17.9	10.91	TAS									a_e	
UBR	160.72	SS	10:38:07.519		17.9	10.91	TAS									a_e	
WET	158.70	SS	10:37:46.419	0.2	17.9	10.91	TAS									m_e	
WLF	159.32	SS	10:37:55.002	-0.3	17.9	10.91	TAS									m_e	

Event 10407008 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/07	18:48:00.00			-28.9120	-176.5270				10.0			10		155.83	158.35	m i ke	NEIC
	10407047																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	10407014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	156.12		PKPab	19:08:25.571	-0.2	21.5		3.99		TAS					m_e
BRG	156.62		PKPab	19:08:26.976	-0.3	21.5		3.99		TAS					m_e
CLL	156.44		PKPab	19:08:26.157	0.1	21.5		3.99		TAS					m_e
CLZ	156.44		PKPab	19:08:27.036		21.5		3.99		TAS					m_e
FLT1	155.83		PKPab	19:08:23.974	-0.0	21.5		3.99		TAS					m_e
GRA1	158.35		PKPab	19:08:33.716		21.5		3.99		TAS					m_e
GRA1	158.35		L	20:23:14.896						T__		1142.3	20.00	a_e Ms	5.7
GTTG	156.79		PKPab	19:08:28.280		21.5		3.99		TAS					m_e
MOX	157.36		PKPab	19:08:30.206		21.5		3.99		TAS					m_e
MOX	157.36		L	20:22:15.735						T__		774.0	19.10	a_e Ms	5.5
PLN	157.40		PKPab	19:08:29.973		21.5		3.99		TAS					m_e
TANN	157.40		PKPab	19:08:30.912		21.5		3.99		TAS					m_e

Event 10407009 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/07	19:31:53.96			51.7540	-169.6400				33.0					78.80	78.80	m i ke	BGR
	10407015																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10407015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.80		P	19:43:52.536		0.4		4.81		TAS		10.5	1.00	m_e mb	4.8

Event 10408002 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/08	00:33:48.20	2.61	0.98	36.4400	27.2300	61.2	60.0	95	14.0			24	347	15.86	20.99	m i ke	NOA
OrigID 10408071																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.2		BGR	10408008
Ms	3.6		BGR	10408008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.21		P	00:38:25.977	-0.2	132.0		10.88		TAS		19.0	0.93	m_e mb	4.3
ASSE	19.57		P	00:38:21.057	-1.6	132.0		10.88		TAS		34.7	1.58	m_e mb	4.3
BFO	18.27		P	00:38:06.286	1.1	132.0		10.88		TAS		12.5	0.97	m_e mb	4.0
BRG	17.29		P	00:37:55.397	1.2	132.0		10.88		TAS		5.9	1.13	m_e mb	3.6
CLL	18.00		P	00:38:01.878	-0.2	132.0		10.88		TAS		3.2	0.82	m_e mb	3.5
CLZ	19.50		P	00:38:18.601	1.3	132.0		10.88		TAS		12.7	0.97	m_e mb	4.1
FLT1	19.49		P	00:38:18.638	-0.6	132.0		10.88		TAS		17.5	1.16	m_e mb	4.2
FUR	16.58		P	00:37:47.279	-0.6	132.0		10.88		TAS		31.7	0.96	m_e mb	4.4
GEC2	15.86		P	00:37:37.183	-2.9	132.0		10.88		TAS		17.6	1.14	m_e mb	4.1
GOR1	19.96		P	00:38:23.845	-0.1	132.0		10.88		TAS		27.1	1.11	m_e mb	4.4
GRA1	17.61		P	00:38:02.729	3.5	132.0		10.88		TAS		12.2	0.88	m_e mb	4.0
GRA1	17.61		L	00:45:23.690						T__		298.0	19.40	a_e Ms	3.5
GTTG	19.47		P	00:38:18.313	0.2	132.0		10.88		TAS		29.1	0.99	m_e mb	4.5
IBBN	20.99		P	00:38:36.092		132.0		10.88		TAS		45.4	1.43	m_e mb	4.6
KAST	19.96		P	00:38:23.197	0.9	132.0		10.88		TAS		21.0	1.37	m_e mb	4.2
MOX	18.10		P	00:38:05.208	1.0	132.0		10.88		TAS		12.5	1.11	m_e mb	4.0
MOX	18.10		L	00:46:00.927						T__		320.5	18.80	a_e Ms	3.6
NEUB	18.43		P	00:38:08.140	0.7	132.0		10.88		TAS		23.2	1.19	m_e mb	4.2
PLN	17.74		P	00:38:00.239	-0.0	132.0		10.88		TAS		10.8	1.36	m_e mb	3.8
RETH	20.57		P	00:38:30.504		132.0		10.88		TAS		25.4	1.12	m_e mb	4.5
STU	18.05		P	00:38:04.187	0.6	132.0		10.88		TAS		40.9	1.20	m_e mb	4.4
TANN	17.56		P	00:37:57.332	-0.8	132.0		10.88		TAS		30.7	1.69	m_e mb	4.2
TNS	19.32		P	00:38:16.568	-0.9	132.0		10.88		TAS		25.9	1.20	m_e mb	4.3
UBR	16.92		P	00:37:52.678	1.9	132.0		10.88		TAS		38.5	1.39	m_e mb	4.3
WET	16.45		P	00:37:44.616	-2.0	132.0		10.88		TAS		20.0	1.35	m_e mb	4.1
WLF	20.20		P	00:38:26.388	-1.4	132.0		10.88		TAS		23.7	1.02	m_e mb	4.4

Event 10408006 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/08	17:10:22.39			63.8900	-149.3800				79.6	1.9		29		60.83	67.49	m i k e	BGR
10408012																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	10408012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	64.31		P	17:20:50.149	0.1	351.0		6.54		TAS		106.4	1.06	a_e	mb	6.0
ASSE	63.16		P	17:20:42.399	-0.2	351.0		6.54		TAS		82.2	1.11	a_e	mb	5.8
ASSE	63.16		pP	17:21:02.453		350.0		6.56		TAS				m_e		
BFO	66.64		P	17:21:05.099	-0.2	351.0		6.54		TAS		135.8	1.24	m_e	mb	6.0
BRG	64.72		P	17:20:52.599	0.0	351.0		6.54		TAS		99.7	0.88	a_e	mb	6.1
BSEG	61.34		P	17:20:30.449	-0.2	351.0		6.54		TAS		107.4	0.94	a_e	mb	5.7
BSEG	61.34		pP	17:20:51.142	-0.2	350.0		6.56		TAS				m_e		
BUG	63.45		P	17:20:44.099	-0.3	351.0		6.54		TAS		286.2	1.16	a_e	mb	6.4
CLL	64.20		P	17:20:48.949	-0.3	351.0		6.54		TAS		200.3	1.42	a_e	mb	6.2
CLL	64.20		pP	17:21:09.687		350.0		6.56		TAS				m_e		
CLZ	63.41		P	17:20:44.499	0.3	351.0		6.54		TAS		263.7	1.15	m_e	mb	6.4
FLT1	63.02		P	17:20:40.949	-0.7	351.0		6.54		TAS		54.5	0.80	a_e	mb	5.7
FLT1	63.02		pP	17:21:01.669	0.1	350.0		6.56		TAS				m_e		
FUR	67.14		P	17:21:08.199	-0.4	351.0		6.54		TAS		233.6	0.79	a_e	mb	6.5
GEC2	66.70		P	17:21:05.699	0.1	351.0		6.54		TAS		102.7	0.87	a_e	mb	6.1
GOR1	62.38		P	17:20:37.599	0.2	351.0		6.54		TAS		94.2	1.23	a_e	mb	5.9
GOR1	62.38		pP	17:20:57.844	-0.4	350.0		6.56		TAS				m_e		
GRA1	65.62		P	17:20:58.899	0.2	351.0		6.54		TAS		102.8	1.07	m_e	mb	6.0
GTTG	63.66		P	17:20:46.149	0.3	351.0		6.54		TAS		324.0	1.11	a_e	mb	6.5
HLG	60.83		P	17:20:27.199	-0.1	351.0		6.54		TAS		319.9	0.98	a_e	mb	6.1
IBBN	62.66		P	17:20:39.299	0.0	351.0		6.54		TAS		296.7	1.08	a_e	mb	6.3
KAST	63.82		P	17:20:46.949	0.1	351.0		6.54		TAS		104.3	1.22	a_e	mb	5.9
MOX	64.72		P	17:20:52.749	-0.0	351.0		6.54		TAS		153.4	0.89	a_e	mb	6.2
NEUB	64.20		P	17:20:49.149	-0.1	351.0		6.54		TAS		319.3	1.36	a_e	mb	6.4
PLN	64.93		P	17:20:54.099	-0.0	351.0		6.54		TAS		35.9	0.88	a_e	mb	5.6
PLN	64.93		pP	17:21:14.686		350.0		6.56		TAS				m_e		
RETH	62.42		P	17:20:37.649	-0.1	351.0		6.54		TAS		46.3	0.98	a_e	mb	5.6
RGN	61.02		P	17:20:28.599	0.2	351.0		6.54		TAS		110.2	0.85	a_e	mb	5.7
RUE	63.12		P	17:20:42.299	0.2	351.0		6.54		TAS		391.3	1.44	a_e	mb	6.3
STU	66.31		P	17:21:03.049	-0.1	351.0		6.54		TAS		171.8	1.04	a_e	mb	6.2
STU	66.31		pP	17:21:23.342		350.0		6.56		TAS				m_e		
TANN	65.03		P	17:20:54.999	0.2	351.0		6.54		TAS		137.5	1.17	a_e	mb	6.1
TNS	64.79		P	17:20:53.249	0.0	351.0		6.54		TAS		207.5	1.47	a_e	mb	6.2
UBR	67.49		P	17:21:10.699	-0.2	351.0		6.54		TAS		129.3	1.01	a_e	mb	6.1
WET	66.33		P	17:21:03.599	0.3	351.0		6.54		TAS		110.4	1.01	a_e	mb	6.0
WLF	65.05		P	17:20:55.249	0.5	351.0		6.54		TAS		206.1	1.04	a_e	mb	6.3

./bul2104.txt Wed Jan 11 09:16:10 2023 20

Event 10409002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/09	11:23:34.58			-17.5830	-178.2280				500.0			7		143.03	149.13	m i ke	BGR
10409008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.73		PKPbc	11:43:06.938	0.2	16.7		2.91		TAS					m_e
BFO	148.78		PKPbc	11:43:18.187		16.7		2.91		TAS					m_e
BRG	145.31		PKPbc	11:43:08.905	0.2	16.7		2.91		TAS					m_e
BSEG	143.03		PKPbc	11:43:01.566	-0.2	16.7		2.91		TAS					m_e
CLL	145.10		PKPbc	11:43:08.109	0.2	16.7		2.91		TAS					m_e
CLZ	145.06		PKPbc	11:43:08.150	0.3	16.7		2.91		TAS					m_e
FLT1	144.45		PKPbc	11:43:05.818	-0.0	16.7		2.91		TAS					m_e
FUR	148.44		PKPbc	11:43:17.711		16.7		2.91		TAS					m_e
GEC2	147.26		PKPbc	11:43:14.331	-0.5	16.7		2.91		TAS					m_e
GOR1	143.80		PKPbc	11:43:04.039	-0.0	16.7		2.91		TAS					m_e
GTTG	145.41		PKPbc	11:43:09.239	0.1	16.7		2.91		TAS					m_e
HLG	143.08		PKPbc	11:43:02.381	-0.5	16.7		2.91		TAS					m_e
IBBN	144.94		PKPbc	11:43:08.077	-0.3	16.7		2.91		TAS					m_e
KAST	145.95		PKPbc	11:43:10.766	0.2	16.7		2.91		TAS					m_e
MOX	146.00		PKPbc	11:43:10.676	0.2	16.7		2.91		TAS					m_e
NEUB	145.45		PKPbc	11:43:09.246	0.1	16.7		2.91		TAS					m_e
PLN	146.05		PKPbc	11:43:10.969	0.3	16.7		2.91		TAS					m_e
RETH	144.33		PKPbc	11:43:05.863	-0.3	16.7		2.91		TAS					m_e
RUE	143.84		PKPbc	11:43:03.978	0.2	16.7		2.91		TAS					m_e
STU	148.22		PKPbc	11:43:17.134		16.7		2.91		TAS					m_e
TANN	146.06		PKPbc	11:43:11.009	0.1	16.7		2.91		TAS					m_e
TNS	146.91		PKPbc	11:43:13.544	-0.1	16.7		2.91		TAS					m_e
UBR	149.13		PKPbc	11:43:19.216		16.7		2.91		TAS					m_e
WET	147.17		PKPbc	11:43:14.200	0.0	16.7		2.91		TAS					m_e
WLF	147.71		PKPbc	11:43:16.338	0.0	16.7		2.91		TAS					m_e

Event 10410002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/10	04:15:50.53			-19.8270	170.8230				48.0	1.0		25		142.75	148.18	m i ke	BGR
10410008																	

Magnitude Err Nsta Author OrigID
Ms 4.6 BGR 10410008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.69		PKPbc	04:35:28.248	0.4	35.9		3.16		TAS					m_e

./bul2104.txt

Wed Jan 11 09:16:10 2023

21

ASSE	144.17	PKPbc	04:35:20.390	-0.4	35.9	3.16	TAS											m_e
BFO	148.18	PKPbc	04:35:32.315		35.9	3.16	TAS											m_e
BRG	144.00	PKPbc	04:35:19.412	0.2	35.9	3.16	TAS											m_e
BSEG	142.75	PKPbc	04:35:15.927	0.0	35.9	3.16	TAS											m_e
BUG	145.84	PKPbc	04:35:25.586	-0.3	35.9	3.16	TAS											m_e
BUG	145.84	pPKPbc	04:35:40.281				T__											m_e
CLL	144.02	PKPbc	04:35:19.368	0.1	35.9	3.16	TAS											m_e
CLZ	144.51	PKPbc	04:35:21.743	0.1	35.9	3.16	TAS											m_e
FLT1	143.81	PKPbc	04:35:18.753	-0.3	35.9	3.16	TAS											m_e
FUR	147.20	PKPbc	04:35:29.844		35.9	3.16	TAS											m_e
FUR	147.20	pPKPbc	04:35:44.040				T__											m_e
GEC2	145.66	PKPbc	04:35:24.968	-0.5	35.9	3.16	TAS											m_e
GEC2	145.66	pPKPbc	04:35:39.425				T__											m_e
GRA1	145.99	PKPbc	04:35:26.393	-0.6	35.9	3.16	TAS											m_e
GRA1	145.99	L	05:42:07.866				T__			101.5	18.10	a_e Ms					4.6	
GTTG	144.90	PKPbc	04:35:23.149	0.1	35.9	3.16	TAS											m_e
IBBN	144.93	PKPbc	04:35:23.083	0.5	35.9	3.16	TAS											m_e
KAST	145.69	PKPbc	04:35:25.375	-0.2	35.9	3.16	TAS											m_e
MOX	145.07	PKPbc	04:35:23.153	0.3	35.9	3.16	TAS											m_e
MOX	145.07	pPKPbc	04:35:37.559				T__											m_e
MOX	145.07	L	05:33:31.042				T__			106.8	19.30	a_e Ms					4.6	
NEUB	144.56	PKPbc	04:35:21.602	0.3	35.9	3.16	TAS											m_e
PLN	145.00	PKPbc	04:35:23.156	0.4	35.9	3.16	TAS											m_e
PLN	145.00	pPKPbc	04:35:37.590				T__											m_e
RETH	144.07	PKPbc	04:35:19.975	0.0	35.9	3.16	TAS											m_e
STU	147.50	PKPbc	04:35:30.894		35.9	3.16	TAS											m_e
STU	147.50	pPKPbc	04:35:45.027				T__											m_e
TANN	144.94	PKPbc	04:35:22.861	0.1	35.9	3.16	TAS											m_e
TANN	144.94	pPKPbc	04:35:37.057				T__											m_e
TNS	146.53	PKPbc	04:35:28.168	-0.1	35.9	3.16	TAS											m_e
UBR	148.06	PKPbc	04:35:32.011		35.9	3.16	TAS											m_e
WET	145.77	PKPbc	04:35:25.449	0.0	35.9	3.16	TAS											m_e
WLF	147.74	PKPbc	04:35:32.287	0.1	35.9	3.16	TAS											m_e
WLF	147.74	pPKPbc	04:35:46.879				T__											m_e

Event 10412024 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/12	14:01:54.47			29.6510	129.5870				33.0			22		81.57	86.34	m i ke	BGR
	10412030																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10412030
Ms	5.3		BGR	10412030

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

AHRW	85.31	P	14:14:26.918		50.3	5.11	TAS	8.3	0.91	m_e	mb	5.0
BSEG	81.57	P	14:14:07.389	-0.7	50.3	5.11	TAS	8.3	0.59	m_e	mb	5.0
CLL	81.96	P	14:14:08.693	0.2	50.3	5.11	TAS	8.1	1.04	m_e	mb	4.8
CLZ	82.89	P	14:14:14.220	0.1	50.3	5.11	TAS	43.0	1.37	m_e	mb	5.5
DAVA	86.10	P	14:14:29.244		50.3	5.11	TAS	8.1	1.05	m_e	mb	4.8
FLT1	82.17	P	14:14:09.565	-0.2	50.3	5.11	TAS	40.9	1.73	m_e	mb	5.3
FUR	84.81	P	14:14:25.013		50.3	5.11	TAS	13.3	0.68	m_e	mb	5.3
GEC2	83.13	P	14:14:15.954	-0.3	50.3	5.11	TAS	6.4	0.99	m_e	mb	4.8
GOR1	81.72	P	14:14:08.337	-0.9	50.3	5.11	TAS	30.7	1.29	m_e	mb	5.3
GRA1	83.86	P	14:14:20.242	-0.3	50.3	5.11	TAS	80.0	1.62	m_e	mb	5.7
GRA1	83.86	L	14:54:46.538				T__	891.2	21.80	a_e	Ms	5.1
GTTG	83.28	P	14:14:16.693	1.0	50.3	5.11	TAS	18.1	0.97	m_e	mb	5.3
IBBN	83.80	P	14:14:18.667	-1.3	50.3	5.11	TAS	19.4	0.96	m_e	mb	5.3
KAST	84.23	P	14:14:20.674		50.3	5.11	TAS	36.1	1.64	m_e	mb	5.3
LESA	84.55	P	14:14:22.264		50.3	5.11	TAS	11.7	1.09	m_e	mb	5.0
MOX	83.06	P	14:14:15.608	1.1	50.3	5.11	TAS	5.5	0.97	m_e	mb	4.8
MOX	83.06	L	14:54:34.816				T__	1860.7	18.40	a_e	Ms	5.5
NEUB	82.63	P	14:14:12.622	0.6	50.3	5.11	TAS	30.9	1.28	m_e	mb	5.4
PLN	82.89	P	14:14:13.454	-0.1	50.3	5.11	TAS	8.7	1.96	m_e	mb	4.7
RETH	82.78	P	14:14:13.788	0.6	50.3	5.11	TAS	26.8	1.33	m_e	mb	5.3
TANN	82.78	P	14:14:13.400	0.6	50.3	5.11	TAS	18.8	1.61	m_e	mb	5.1
TNS	84.87	P	14:14:24.666		50.3	5.11	TAS	23.0	1.58	m_e	mb	5.2
WET	83.37	P	14:14:16.743	0.4	50.3	5.11	TAS	5.2	1.06	m_e	mb	4.7
WLF	86.34	P	14:14:31.530		50.3	5.11	TAS	25.0	1.35	m_e	mb	5.2

Event 10413002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/13	19:20:01.81			-17.1810	-177.7250				500.0			18		142.70	148.82	m i ke	BGR
10413008																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.45		PKPbc	19:38:50.372		15.7		2.82		TAS					m_e
BRG	145.03		PKPbc	19:38:41.470	-0.6	15.7		2.82		TAS					m_e
BSEG	142.70		PKPbc	19:38:33.797	0.2	15.7		2.82		TAS					m_e
CLL	144.81		PKPbc	19:38:40.714	0.2	15.7		2.82		TAS					m_e
CLZ	144.74		PKPbc	19:38:40.897	0.3	15.7		2.82		TAS					m_e
FLT1	144.13		PKPbc	19:38:38.458	0.2	15.7		2.82		TAS					m_e
FUR	148.15		PKPbc	19:38:50.024		15.7		2.82		TAS					m_e
GEC2	146.99		PKPbc	19:38:46.401		15.7		2.82		TAS					m_e
GRA1	146.69		PKPbc	19:38:46.371		15.7		2.82		TAS					m_e
GTTG	145.08		PKPbc	19:38:41.905	0.4	15.7		2.82		TAS					m_e
IBBN	144.59		PKPbc	19:38:40.508	0.1	15.7		2.82		TAS					m_e
NEUB	145.14		PKPbc	19:38:41.813	-0.5	15.7		2.82		TAS					m_e

./bul2104.txt

Wed Jan 11 09:16:10 2023

23

PLN	145.75	PKPbc	19:38:43.577	15.7	2.82	TAS	m_e
RETH	144.00	PKPbc	19:38:38.286	0.4 15.7	2.82	TAS	m_e
TANN	145.77	PKPbc	19:38:43.737	15.7	2.82	TAS	m_e
TNS	146.57	PKPbc	19:38:46.142	15.7	2.82	TAS	m_e
UBR	148.82	PKPbc	19:38:51.542	15.7	2.82	TAS	m_e
WLF	147.35	PKPbc	19:38:48.455	15.7	2.82	TAS	m_e

Event 10413003 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/13	20:28:16.64			36.9390	26.1460				33.0			24		14.96	20.21	m i ke	BGR
10413009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	19.27		P	20:32:39.801	1.1	134.2		11.07		TAS					m_e
ASSE	18.70		P	20:32:32.970	0.5	134.2		11.07		TAS					m_e
BFO	17.31		P	20:32:18.079		134.2		11.07		TAS					m_e
BRG	16.43		P	20:32:11.072	-0.3	134.2		11.07		TAS					m_e
BSEG	20.21		P	20:32:49.290	-0.5	134.2		11.07		TAS					m_e
CLL	17.14		P	20:32:15.922	0.2	134.2		11.07		TAS					m_e
CLZ	18.61		P	20:32:31.649	-1.0	134.2		11.07		TAS					m_e
FLT1	18.62		P	20:32:31.592	-0.1	134.2		11.07		TAS					m_e
FUR	15.64		P	20:32:01.431		134.2		11.07		TAS					m_e
GEC2	14.96		P	20:31:49.705		134.2		11.07		TAS					m_e
GOR1	19.11		P	20:32:37.417	-1.3	134.2		11.07		TAS					m_e
GRA1	16.70		P	20:32:10.530	1.8	134.2		11.07		TAS					m_e
GTTG	18.57		P	20:32:32.252	0.8	134.2		11.07		TAS					m_e
IBBN	20.08		P	20:32:47.858	-0.8	134.2		11.07		TAS					m_e
KAST	19.04		P	20:32:36.615	0.0	134.2		11.07		TAS					m_e
MOX	17.20		P	20:32:17.243	-0.3	134.2		11.07		TAS					m_e
NEUB	17.54		P	20:32:21.316	0.6	134.2		11.07		TAS					m_e
PLN	16.85		P	20:32:13.717	-1.1	134.2		11.07		TAS					m_e
RETH	19.69		P	20:32:43.846	-0.4	134.2		11.07		TAS					m_e
TANN	16.67		P	20:32:10.729	-2.6	134.2		11.07		TAS					m_e
TNS	18.39		P	20:32:29.900	-2.6	134.2		11.07		TAS					m_e
UBR	15.96		P	20:32:02.259		134.2		11.07		TAS					m_e
WET	15.55		P	20:31:56.299	0.1	134.2		11.07		TAS					m_e
WLF	19.24		P	20:32:39.542	1.3	134.2		11.07		TAS					m_e

Event 10414003 Off west coast of northern Sumatera, Indonesia

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

OrigID
 2021/04/14 10:55:24.19 0.9060 95.3480 33.0 15 83.84 88.81 m i ke BGR
 10414009

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 10414009
 Ms 4.8 BGR 10414009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.22		pP	11:08:23.837						T__		43.9	1.03	m_e	
BFO	87.36		P	11:08:08.306		93.1		5.00		TAS		67.0	1.87	m_e mb	5.5
BFO	87.36		pP	11:08:19.132						T__		67.0	1.87	m_e	
BRG	83.88		P	11:07:51.258		93.1		5.00		TAS		44.8	1.07	m_e mb	5.6
BRG	83.88		pP	11:08:02.317						T__		44.8	1.07	m_e	
BSEG	86.35		P	11:08:03.317	0.3	93.1		5.00		TAS		110.6	1.27	m_e mb	5.8
BSEG	86.35		pP	11:08:14.176						T__		110.6	1.27	m_e	
BUG	88.11		pP	11:08:22.907						T__		73.0	1.09	m_e	
CLL	84.52		P	11:07:54.716	0.5	93.1		5.00		TAS		34.3	1.12	m_e mb	5.5
CLZ	86.19		P	11:08:03.382	0.3	93.1		5.00		TAS		47.2	1.13	m_e mb	5.5
CLZ	86.19		pP	11:08:13.690						T__		47.2	1.13	m_e	
GEC2	83.84		P	11:07:51.142		93.1		5.00		TAS		75.1	1.16	m_e mb	5.8
GEC2	83.84		pP	11:08:02.219						T__		75.1	1.16	m_e	
GOR1	85.69		pP	11:08:10.835						T__		57.6	1.25	m_e	
GRA1	85.52		pP	11:08:10.639						T__		36.0	0.98	m_e	
GRA1	85.52		L	11:54:45.182						T__		370.9	20.00	a_e Ms	4.8
KAST	87.38		P	11:08:08.995	-0.2	93.1		5.00		TAS		56.9	1.26	m_e mb	5.6
KAST	87.38		pP	11:08:19.285						T__		56.9	1.26	m_e	
MOX	85.33		P	11:07:58.891		93.1		5.00		TAS		59.1	1.49	m_e mb	5.6
MOX	85.33		pP	11:08:09.308						T__		59.1	1.49	m_e	
MOX	85.33		L	11:55:43.840						T__		451.1	18.30	a_e Ms	4.9
PLN	84.98		P	11:07:56.710		93.1		5.00		TAS		7.9	0.99	m_e mb	4.9
PLN	84.98		pP	11:08:07.744						T__		7.9	0.99	m_e	
RETH	86.86		P	11:08:06.498	-0.0	93.1		5.00		TAS		66.8	1.22	m_e mb	5.6
RETH	86.86		pP	11:08:16.716						T__		66.8	1.22	m_e	
RUE	84.15		P	11:07:53.237	-0.0	93.1		5.00		TAS		102.1	1.03	m_e mb	6.0
RUE	84.15		pP	11:08:04.019						T__		102.1	1.03	m_e	
TANN	84.78		P	11:07:56.386		93.1		5.00		TAS		24.8	1.17	m_e mb	5.3
TANN	84.78		pP	11:08:06.483						T__		24.8	1.17	m_e	
TNS	87.33		P	11:08:08.944		93.1		5.00		TAS		45.0	1.26	m_e mb	5.5
TNS	87.33		pP	11:08:19.425						T__		45.0	1.26	m_e	
UBR	86.14		pP	11:08:13.058						T__		15.1	0.99	m_e	
WET	84.40		P	11:07:54.643		93.1		5.00		TAS		34.0	1.05	m_e mb	5.5
WET	84.40		pP	11:08:05.122						T__		34.0	1.05	m_e	
WLF	88.81		P	11:08:16.341		93.1		5.00		TAS		95.8	1.41	m_e mb	5.8
WLF	88.81		pP	11:08:26.318						T__		95.8	1.41	m_e	

Event 10416001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/15	23:57:12.93			46.0300	152.3490				16.7					78.74	78.74	m i ke	BGR
OrigID 10416007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	10416007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.74		P	00:09:11.279		27.4		4.88		TAS		5.6	0.92	m_e	4.6
GRA1	78.74		pP	00:09:16.094						T__				m_e	

Event 10416003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/16	16:40:32.18			-22.4100	-179.6400				617.0	1.9		29		147.15	153.52	m i ke	BGR
OrigID 10416009																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.21		PKPbc	16:59:12.133	0.0	19.4		2.37		TAS				m_e	
ASSE	149.21		PKPab	16:59:18.208		17.4		4.18		TAS				m_e	
ASSE	149.21		pPKPbc	17:01:32.968						T__				m_e	
BFO	153.28		PKPab	16:59:35.077		17.4		4.18		TAS				m_e	
BRG	149.60		PKPbc	16:59:13.312	-0.2	19.4		2.37		TAS				m_e	
BRG	149.60		PKPab	16:59:19.873		17.4		4.18		TAS				m_e	
BSEG	147.55		PKPbc	16:59:07.954	0.0	19.4		2.37		TAS				m_e	
BUG	150.44		PKPbc	16:59:14.879		19.4		2.37		TAS				m_e	
CLL	149.45		PKPbc	16:59:12.858	-0.3	19.4		2.37		TAS				m_e	
CLL	149.45		PKPab	16:59:18.965		17.4		4.18		TAS				m_e	
CLZ	149.53		PKPbc	16:59:13.156	0.0	19.4		2.37		TAS				m_e	
CLZ	149.53		PKPab	16:59:19.419		17.4		4.18		TAS				m_e	
FLT1	148.90		PKPbc	16:59:11.012	0.3	19.4		2.37		TAS				m_e	
FLT1	148.90		PKPab	16:59:16.441		17.4		4.18		TAS				m_e	
FUR	152.78		PKPab	16:59:33.649		17.4		4.18		TAS				m_e	
GEC2	151.50		PKPbc	16:59:17.602		19.4		2.37		TAS				m_e	
GOR1	148.26		PKPbc	16:59:09.963	0.1	19.4		2.37		TAS				m_e	
GRA1	151.38		PKPbc	16:59:17.451		19.4		2.37		TAS				m_e	
GRA1	151.38		PKPab	16:59:27.494		17.4		4.18		TAS				m_e	
GTTG	149.90		PKPbc	16:59:14.001	-0.4	19.4		2.37		TAS				m_e	
HLG	147.69		PKPbc	16:59:08.578	0.1	19.4		2.37		TAS				m_e	
IBBN	149.53		PKPbc	16:59:12.801	0.2	19.4		2.37		TAS				m_e	
IBBN	149.53		PKPab	16:59:19.015		17.4		4.18		TAS				m_e	
KAST	150.50		PKPbc	16:59:15.381		19.4		2.37		TAS				m_e	

KHUS	147.17	PKPbc	16:59:07.341	-0.1	19.4	2.37	TAS	m_e
LNIZ	147.15	PKPbc	16:59:07.017	-0.2	19.4	2.37	TAS	m_e
LNIZ	147.15	PKPab	16:59:09.779	-0.2	17.4	4.18	TAS	m_e
LUEB	149.40	PKPbc	16:59:12.706	0.2	19.4	2.37	TAS	m_e
LUEB	149.40	pPKPbc	17:01:32.993				T__	m_e
MOX	150.40	PKPbc	16:59:14.978		19.4	2.37	TAS	m_e
MOX	150.40	PKPab	16:59:22.851		17.4	4.18	TAS	m_e
NEUB	149.85	PKPbc	16:59:13.514	0.1	19.4	2.37	TAS	m_e
NEUB	149.85	PKPab	16:59:20.983		17.4	4.18	TAS	m_e
PLN	150.42	PKPbc	16:59:15.179		19.4	2.37	TAS	m_e
RETH	148.86	PKPbc	16:59:11.266	-0.1	19.4	2.37	TAS	m_e
RETH	148.86	pPKPbc	17:01:32.087				T__	m_e
RUE	148.19	PKPbc	16:59:09.738	0.1	19.4	2.37	TAS	m_e
RUE	148.19	PKPab	16:59:13.918	-0.3	17.4	4.18	TAS	m_e
STU	152.69	PKPab	16:59:32.738		17.4	4.18	TAS	m_e
TANN	150.41	PKPbc	16:59:15.129		19.4	2.37	TAS	m_e
TNS	151.44	PKPbc	16:59:17.451		19.4	2.37	TAS	m_e
TNS	151.44	PKPab	16:59:27.039		17.4	4.18	TAS	m_e
UBR	153.52	PKPbc	16:59:21.998		19.4	2.37	TAS	m_e
WLF	152.33	PKPbc	16:59:19.823		19.4	2.37	TAS	m_e
WLF	152.33	PKPab	16:59:31.199		17.4	4.18	TAS	m_e

Event 10416005 Talaud Islands, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/16	20:55:09.20			3.5800	126.8300				19.0					103.46	103.46	m i ke	NEIC
OrigID 10416044																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	103.46		Pdiff	21:09:09.451		67.7		3.96		TAS					m_e

Event 10416006 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/16	22:13:09.60			-28.5700	-176.2600				10.0				9	154.12	159.51	m i ke	NEIC
OrigID 10416045																	

Magnitude Err Nsta Author OrigID

Ms	5.0		BGR	10416012
----	-----	--	-----	----------

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

./bul2104.txt

Wed Jan 11 09:16:10 2023

27

ASSE	155.82	pPKPab	22:33:42.678	-0.4					T__							m_e
BSEG	154.12	PKPab	22:33:24.272	-0.4	17.9		4.36		TAS							m_e
BSEG	154.12	pPKPab	22:33:35.949	-0.4					T__							m_e
CLL	156.17	PKPab	22:33:32.305	-0.4	17.9		4.36		TAS							m_e
CLZ	156.15	PKPab	22:33:32.704	-0.4	17.9		4.36		TAS							m_e
CLZ	156.15	pPKPab	22:33:44.460	-0.4					T__							m_e
FLT1	155.54	PKPab	22:33:29.613	-0.4	17.9		4.36		TAS							m_e
FLT1	155.54	pPKPab	22:33:40.976	-0.4					T__							m_e
FUR	159.51	PKPab	22:33:47.636	-0.4	17.9		4.36		TAS							m_e
GRA1	158.07	PKPab	22:33:41.370	-0.4	17.9		4.36		TAS							m_e
GRA1	158.07	L	23:39:02.972						T__		186.8	21.80		a_e Ms		4.9
HLG	154.15	PKPab	22:33:25.616	-0.4	17.9		4.36		TAS							m_e
KAST	157.04	PKPab	22:33:38.027	-0.4	17.9		4.36		TAS							m_e
MOX	157.08	L	23:44:30.973						T__		378.3	21.20		a_e Ms		5.2
PLN	157.13	PKPab	22:33:36.942	-0.4	17.9		4.36		TAS							m_e
PLN	157.13	pPKPab	22:33:48.541	-0.4					T__							m_e
TNS	158.00	PKPab	22:33:41.148	-0.4	17.9		4.36		TAS							m_e

Event 10417001 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/17	01:04:50.25			4.5450	95.5210				93.6	4.3		26		81.18	86.17	m i ke	BGR
10417007																	

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 10417007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.54		P	01:17:17.949	0.1	91.4		5.20		TAS		17.5	1.01	m_e mb	5.1
ASSE	83.28		P	01:17:05.910	-0.1	91.4		5.20		TAS		12.1	0.91	m_e mb	5.1
ASSE	83.28		sP	01:17:40.737						T__				m_e	
BFO	84.78		P	01:17:13.479	-0.2	91.4		5.20		TAS		9.2	0.87	m_e mb	5.0
BFO	84.78		sP	01:17:47.951						T__				m_e	
BRG	81.18		P	01:16:55.195	0.1	91.4		5.20		TAS		11.4	0.94	m_e mb	4.9
BRG	81.18		sP	01:17:29.964						T__				m_e	
BSEG	83.53		P	01:17:07.634	0.1	91.4		5.20		TAS		25.0	1.03	m_e mb	5.4
BSEG	83.53		sP	01:17:42.660						T__				m_e	
BUG	85.39		P	01:17:16.925	0.0	91.4		5.20		TAS		25.2	1.01	m_e mb	5.4
BUG	85.39		sP	01:17:51.708						T__				m_e	
CLL	81.80		P	01:16:58.033	-0.1	91.4		5.20		TAS		8.8	1.02	m_e mb	4.8
CLL	81.80		sP	01:17:32.975						T__				m_e	
CLZ	83.46		P	01:17:07.002	-0.1	91.4		5.20		TAS		17.2	0.86	m_e mb	5.3
CLZ	83.46		pP	01:17:31.836						T__				m_e	
CLZ	83.46		sP	01:17:41.741						T__				m_e	
FLT1	82.94		P	01:17:03.436	0.1	91.4		5.20		TAS		7.0	0.69	m_e mb	5.0
FLT1	82.94		pP	01:17:28.938						T__				m_e	

FLT1	82.94	sP	01:17:37.926							T__						m_e	
FUR	82.81	P	01:17:03.471		91.4		5.20			TAS	11.3	0.84	m_e	mb			5.1
GEC2	81.23	P	01:16:55.722	-0.3	91.4		5.20			TAS	20.1	0.87	m_e	mb			5.2
GEC2	81.23	sP	01:17:30.332							T__						m_e	
GOR1	82.91	P	01:17:03.983	0.2	91.4		5.20			TAS	12.6	1.04	m_e	mb			5.1
GOR1	82.91	pP	01:17:28.497							T__						m_e	
GOR1	82.91	sP	01:17:38.341							T__						m_e	
GRA1	82.88	P	01:17:04.430	0.1	91.4		5.20			TAS	10.2	0.86	m_e	mb			5.1
GRA1	82.88	pP	01:17:28.285							T__						m_e	
GRA1	82.88	sP	01:17:39.107							T__						m_e	
GTTG	83.71	P	01:17:08.176	-0.3	91.4		5.20			TAS	15.6	0.95	m_e	mb			5.2
GTTG	83.71	sP	01:17:43.041							T__						m_e	
IBBN	85.07	P	01:17:15.409	-0.1	91.4		5.20			TAS	29.8	0.93	m_e	mb			5.5
KAST	84.68	P	01:17:13.331	0.1	91.4		5.20			TAS	5.3	0.91	m_e	mb			4.8
KAST	84.68	sP	01:17:47.887							T__						m_e	
MOX	82.65	P	01:17:02.685	-0.0	91.4		5.20			TAS	4.3	0.79	m_e	mb			4.7
MOX	82.65	sP	01:17:37.502							T__						m_e	
NEUB	82.57	P	01:17:02.283	-0.1	91.4		5.20			TAS	20.6	0.93	m_e	mb			5.3
NEUB	82.57	sP	01:17:37.322							T__						m_e	
PLN	82.30	P	01:17:00.917	0.1	91.4		5.20			TAS	2.5	0.86	m_e	mb			4.4
PLN	82.30	sP	01:17:35.925							T__						m_e	
RETH	84.09	P	01:17:10.331	0.1	91.4		5.20			TAS	12.8	1.10	m_e	mb			5.1
RETH	84.09	sP	01:17:44.923							T__						m_e	
RUE	81.39	P	01:16:56.358	-0.8	91.4		5.20			TAS	42.5	0.72	m_e	mb			5.6
RUE	81.39	sP	01:17:31.116							T__						m_e	
STU	84.20	P	01:17:10.862	-0.1	91.4		5.20			TAS	25.6	0.71	m_e	mb			5.6
STU	84.20	pP	01:17:36.096							T__						m_e	
TANN	82.10	P	01:17:00.018	0.2	91.4		5.20			TAS	9.7	1.22	m_e	mb			4.8
TANN	82.10	pP	01:17:23.660							T__						m_e	
TANN	82.10	sP	01:17:34.788							T__						m_e	
TNS	84.67	P	01:17:13.366	0.5	91.4		5.20			TAS	10.7	1.07	m_e	mb			5.0
TNS	84.67	sP	01:17:48.219							T__						m_e	
UBR	83.59	P	01:17:07.462		91.4		5.20			TAS	8.2	0.71	m_e	mb			5.1
UBR	83.59	pP	01:17:32.603							T__						m_e	
UBR	83.59	sP	01:17:42.386							T__						m_e	
WLF	86.17	P	01:17:21.249	0.4	91.4		5.20			TAS	9.9	1.07	m_e	mb			4.9
WLF	86.17	sP	01:17:56.282							T__						m_e	

Event 10417002 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/17	01:27:21.00			21.4500	146.0000				10.0					97.64	98.53	m i ke	EMSC
	10417034																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	10417008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	98.53		Pdiff	01:40:59.651						T__				m_e	
GRA1	98.53		L	02:28:41.389						T__		695.7	18.40	a_e	Ms 5.2
MOX	97.64		L	02:28:13.090						T__		417.1	18.90	a_e	Ms 5.0

Event 10417004 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/17	15:45:23.96			54.4690	158.0690				33.0			19		68.60	74.56	m i ke	BGR
OrigID 10417010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	10417010
Ms	4.1		BGR	10417010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	70.24		P	15:56:32.445	-0.2	19.5		5.98		TAS		10.6	1.05	a_e	mb 4.9
BFO	74.32		P	15:56:56.195		19.5		5.98		TAS		9.5	0.96	a_e	mb 4.8
BRG	70.71		P	15:56:35.295	0.3	19.5		5.98		TAS		6.5	0.82	a_e	mb 4.8
BRG	70.71		PcP	15:56:53.590						T__				m_e	
BSEG	68.60		P	15:56:22.354	0.3	19.5		5.98		TAS		9.3	0.74	m_e	mb 5.1
CLL	70.51		P	15:56:33.945	0.3	19.5		5.98		TAS		20.7	0.80	m_e	mb 5.3
CLZ	70.57		P	15:56:34.795	-0.1	19.5		5.98		TAS		19.7	0.86	a_e	mb 5.3
CLZ	70.57		PcP	15:56:53.223						T__				m_e	
FLT1	69.93		P	15:56:30.309	-0.3	19.5		5.98		TAS		9.6	0.90	m_e	mb 4.9
FLT1	69.93		PcP	15:56:50.017						T__				m_e	
GEC2	72.66		P	15:56:47.245		19.5		5.98		TAS		8.1	0.78	a_e	mb 4.9
GOR1	69.30		P	15:56:27.095	0.0	19.5		5.98		TAS		13.2	1.02	a_e	mb 5.1
GRA1	72.42		P	15:56:45.995		19.5		5.98		TAS		21.0	0.71	a_e	mb 5.4
GRA1	72.42		L	16:31:05.857						T__		125.2	21.50	a_e	Ms 4.2
HLG	68.83		PcP	15:56:48.005						T__				m_e	
MOX	71.44		P	15:56:39.795	0.2	19.5		5.98		TAS		13.7	0.98	a_e	mb 5.0
MOX	71.44		L	16:31:35.602						T__		92.2	22.00	a_e	Ms 4.0
NEUB	70.89		P	15:56:36.317	0.4	19.5		5.98		TAS		14.3	0.67	m_e	mb 5.2
PLN	71.47		P	15:56:40.145	-0.2	19.5		5.98		TAS		3.5	0.83	a_e	mb 4.5
RETH	69.92		P	15:56:30.984	-0.4	19.5		5.98		TAS		6.4	0.88	m_e	mb 4.8
RETH	69.92		PcP	15:56:50.297						T__				m_e	
RUE	69.25		P	15:56:26.695	-0.1	19.5		5.98		TAS		25.2	0.63	a_e	mb 5.6
TANN	71.47		P	15:56:40.224		19.5		5.98		TAS		5.7	1.02	m_e	mb 4.7
TNS	72.49		P	15:56:46.315		19.5		5.98		TAS		12.1	0.60	m_e	mb 5.2
UBR	74.56		P	15:56:58.245		19.5		5.98		TAS		13.0	0.86	a_e	mb 5.0
WLF	73.47		P	15:56:52.113		19.5		5.98		TAS		7.5	0.67	m_e	mb 4.8
WLF	73.47		PcP	15:57:05.242						T__				m_e	

Event 10417005 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/17	17:08:01.60			36.4500	27.1700				11.0					17.58	17.58	m i ke	EMSC
OrigID 10417037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	10417011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	17.58		P	17:12:09.167		132.8		12.40		TAS		127.2	1.93	m_e mb	4.7

Event 10418001 Near west coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	00:29:26.69			39.7750	139.3970				57.7	2.2		10		75.22	82.04	m i ke	BGR
OrigID 10418007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10418007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.71		P	00:41:31.535	-0.1	37.9		5.42		TAS		62.8	0.99	a_e mb	5.8
ASSE	78.10		P	00:41:17.835	-0.0	37.9		5.42		TAS		64.0	1.04	a_e mb	5.5
ASSE	78.10		pP	00:41:34.284	0.1					T__				m_e	
BFO	82.04		P	00:41:38.585	-0.2	37.9		5.42		TAS		85.6	1.03	a_e mb	5.9
BRG	77.80		P	00:41:16.435	0.0	37.9		5.42		TAS		67.8	0.90	a_e mb	5.6
BSEG	76.80		P	00:41:10.885	0.1	37.9		5.42		TAS		116.0	0.89	a_e mb	5.9
BUG	79.91		P	00:41:26.985	-0.3	37.9		5.42		TAS		46.3	0.94	a_e mb	5.6
CLL	77.84		P	00:41:16.285	-0.3	37.9		5.42		TAS		95.9	0.89	a_e mb	5.7
CLZ	78.44		P	00:41:19.985	0.3	37.9		5.42		TAS		79.3	0.93	a_e mb	5.6
CLZ	78.44		pP	00:41:36.095						T__				m_e	
FLT1	77.72		P	00:41:15.335	-0.6	37.9		5.42		TAS		85.9	0.83	a_e mb	5.7
FLT1	77.72		pP	00:41:32.025	-0.0					T__				m_e	
FUR	81.00		P	00:41:33.585	0.2	37.9		5.42		TAS		146.0	0.91	a_e mb	6.2
FUR	81.00		pP	00:41:49.978						T__				m_e	
GEC2	79.46		P	00:41:25.335	0.0	37.9		5.42		TAS		41.0	0.94	a_e mb	5.4
GOR1	77.18		P	00:41:13.285	0.3	37.9		5.42		TAS		121.1	1.26	a_e mb	5.8
GRA1	79.81		P	00:41:27.635	0.6	37.9		5.42		TAS		112.0	0.94	m_e mb	6.0
GRA1	79.81		pP	00:41:43.339						T__				m_e	
GTTG	78.83		P	00:41:21.835	0.1	37.9		5.42		TAS		72.7	0.93	a_e mb	5.7
GTTG	78.83		pP	00:41:38.010						T__				m_e	
HLG	77.46		P	00:41:14.285	0.1	37.9		5.42		TAS		179.3	1.03	a_e mb	6.0
IBBN	79.03		P	00:41:22.485	-0.1	37.9		5.42		TAS		78.9	0.80	a_e mb	5.8

KAST	79.68	P	00:41:26.185	0.0	37.9	5.42	TAS	37.0	1.01	a_e	mb	5.5
MOX	78.90	P	00:41:22.285	0.1	37.9	5.42	TAS	40.2	1.00	a_e	mb	5.4
MOX	78.90	pP	00:41:38.220				T__				m_e	
NEUB	78.41	P	00:41:19.485	-0.1	37.9	5.42	TAS	91.0	0.88	a_e	mb	5.7
PLN	78.81	P	00:41:21.885	0.1	37.9	5.42	TAS	13.4	1.07	a_e	mb	4.9
RETH	78.10	P	00:41:17.785	0.0	37.9	5.42	TAS	62.8	1.03	a_e	mb	5.5
RETH	78.10	pP	00:41:34.007	-0.1			T__				m_e	
RGN	75.22	P	00:41:02.385	-0.2	37.9	5.42	TAS	127.1	0.86	a_e	mb	6.1
RUE	76.63	P	00:41:10.185	0.0	37.9	5.42	TAS	95.6	1.10	a_e	mb	5.7
RUE	76.63	pP	00:41:26.168	-0.0			T__				m_e	
STU	81.35	P	00:41:35.035	-0.1	37.9	5.42	TAS	131.4	0.86	a_e	mb	6.2
TANN	78.75	P	00:41:21.535	0.1	37.9	5.42	TAS	25.9	1.07	a_e	mb	5.2
TNS	80.46	P	00:41:30.335	-0.1	37.9	5.42	TAS	34.2	0.85	a_e	mb	5.5
TNS	80.46	pP	00:41:46.840				T__				m_e	
UBR	81.86	P	00:41:37.635	-0.3	37.9	5.42	TAS	38.1	1.09	a_e	mb	5.5
WLF	81.77	P	00:41:37.635	0.4	37.9	5.42	TAS	64.9	1.19	a_e	mb	5.7

Event 10418002 Eastern Gulf of Aden

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	02:02:40.30			13.1000	50.4300				10.0					48.59	48.59	m i ke	EMSC
10418034																	

Magnitude Err Nsta Author OrigID
mb 4.3 BGR 10418008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	48.59		P	02:11:27.179		124.8		8.67		TAS		3.7	1.13	m_e	mb 4.3

Event 10418003 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
2021/04/18	03:09:13.40			-37.3800	179.9200				10.0					165.20	165.20	m i ke	EMSC
10418035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	165.20		PKP	03:30:14.844		37.8		3.65		TAS				m_e	

Event 10418004 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	06:41:50.89			29.4300	50.3600				33.0				28	33.97	39.30	m i ke	BGR
10418010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10418010
MBB	6.2		BGR	10418010
Ms	5.5		BGR	10418010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	38.58		S	06:55:06.803		112.5		15.46		TAS					m_e
AHRW	38.58		P	06:49:11.993	0.1	111.1		8.63		TAS		27.7	1.11	a_e	MBB 5.9
ASSE	36.98		S	06:54:42.588		112.5		15.46		TAS					m_e
ASSE	36.98		P	06:48:57.843	-0.2	111.1		8.63		TAS		96.6	1.21	a_e	MBB 6.2
BFO	37.19		S	06:54:41.535		112.5		15.46		TAS					m_e
BFO	37.19		P	06:48:59.543	0.4	111.1		8.63		TAS		82.6	1.66	a_e	MBB 5.9
BRG	34.60		S	06:54:05.991	0.1	112.5		15.46		TAS					m_e
BRG	34.60		P	06:48:37.193	-0.4	111.1		8.63		TAS		40.9	1.06	a_e	MBB 6.1
BSEG	37.88		S	06:54:56.898		112.5		15.46		TAS					m_e
BSEG	37.88		P	06:49:05.543	0.3	111.1		8.63		TAS		189.6	1.22	a_e	MBB 6.2
BUG	38.73		S	06:55:11.228		112.5		15.46		TAS					m_e
BUG	38.73		P	06:49:13.193	-0.1	111.1		8.63		TAS		85.0	1.10	a_e	MBB 6.1
CLL	35.32		S	06:54:17.055	-1.4	112.5		15.46		TAS					m_e
CLL	35.32		P	06:48:43.343	-0.4	111.1		8.63		TAS		114.8	1.15	a_e	MBB 6.2
CLZ	37.04		S	06:54:43.799		112.5		15.46		TAS					m_e
CLZ	37.04		P	06:48:58.543	-0.1	111.1		8.63		TAS		190.6	1.05	a_e	MBB 6.2
FLT1	36.73		S	06:54:38.797		112.5		15.46		TAS					m_e
FLT1	36.73		P	06:48:55.493	-0.3	111.1		8.63		TAS		196.7	1.08	a_e	MBB 6.3
FUR	35.26		S	06:54:15.685	1.2	112.5		15.46		TAS					m_e
FUR	35.26		P	06:48:43.043	0.4	111.1		8.63		TAS		244.4	0.99	a_e	MBB 6.4
GEC2	33.97		S	06:53:54.818	-0.6	112.5		15.46		TAS					m_e
GEC2	33.97		P	06:48:32.143	0.2	111.1		8.63		TAS		26.7	0.90	a_e	MBB 6.1
GOR1	36.96		P	06:48:57.793	0.2	111.1		8.63		TAS		391.1	1.23	a_e	MBB 6.5
GRA1	35.78		S	06:54:24.168	1.5	112.5		15.46		TAS					m_e
GRA1	35.78		P	06:48:47.693	-0.0	111.1		8.63		TAS		131.2	1.06	a_e	MBB 6.3
GRA1	35.78		L	07:05:26.274						T__		9775.9	18.80	a_e	Ms 5.6
GTTG	37.17		S	06:54:45.566		112.5		15.46		TAS					m_e
GTTG	37.17		P	06:48:59.793	-0.0	111.1		8.63		TAS		144.7	1.27	a_e	MBB 6.1
HLG	39.30		S	06:55:17.328		112.5		15.46		TAS					m_e
HLG	39.30		P	06:49:17.243	-0.4	111.1		8.63		TAS		272.9	1.28	a_e	MBB 6.3
IBBN	38.71		S	06:55:10.227		112.5		15.46		TAS					m_e
IBBN	38.71		P	06:49:13.193	0.1	111.1		8.63		TAS		296.9	1.27	a_e	MBB 6.3
KAST	37.97		S	06:54:59.585		112.5		15.46		TAS					m_e
KAST	37.97		P	06:49:06.943	0.2	111.1		8.63		TAS		126.7	1.32	a_e	MBB 6.1
MOX	35.88		S	06:54:26.750		112.5		15.46		TAS					m_e
MOX	35.88		P	06:48:48.543	-0.1	111.1		8.63		TAS		46.0	1.21	a_e	MBB 6.0
MOX	35.88		L	07:05:38.425						T__		7725.9	19.80	a_e	Ms 5.5

NEUB	35.99	S	06:54:26.697		112.5		15.46		TAS									m_e
NEUB	35.99	P	06:48:49.343	-0.3	111.1		8.63		TAS	59.8	0.97	a_e	MBB					6.2
PLN	35.50	S	06:54:21.112	0.4	112.5		15.46		TAS									m_e
PLN	35.50	P	06:48:45.343	-0.0	111.1		8.63		TAS	18.7	1.47	a_e	MBB					5.6
RETH	37.95	P	06:49:06.693	0.3	111.1		8.63		TAS	321.4	1.38	a_e	MBB					6.4
RGN	36.57	S	06:54:35.812		112.5		15.46		TAS									m_e
RGN	36.57	P	06:48:53.993	1.0	111.1		8.63		TAS	324.0	1.09	a_e	MBB					6.6
RUE	35.38	S	06:54:17.161	-0.2	112.5		15.46		TAS									m_e
RUE	35.38	P	06:48:43.543	-0.3	111.1		8.63		TAS	213.9	1.22	a_e	MBB					6.4
STU	36.76	S	06:54:36.075		112.5		15.46		TAS									m_e
STU	36.76	P	06:48:55.343	-0.4	111.1		8.63		TAS	72.1	0.99	a_e	MBB					6.2
TANN	35.29	S	06:54:16.844	1.0	112.5		15.46		TAS									m_e
TANN	35.29	P	06:48:43.493	-0.1	111.1		8.63		TAS	66.6	1.41	m_e	MBB					6.0
TNS	37.65	P	06:49:03.693	-0.1	111.1		8.63		TAS	131.9	1.47	a_e	MBB					6.1
UBR	35.87	S	06:54:22.851		112.5		15.46		TAS									m_e
UBR	35.87	P	06:48:48.143	0.6	111.1		8.63		TAS	92.0	1.13	a_e	MBB					6.3
WLF	38.92	P	06:49:14.193	-0.3	111.1		8.63		TAS	71.7	1.15	a_e	MBB					5.7

Event 10418005 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	07:48:03.10			-19.4000	169.4600				104.0					145.08	145.08	m i ke	NEIC
10418044																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.08		PKP	08:07:28.013		37.7		3.02		TAS					m_e

Event 10418006 Myanmar-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	13:24:34.40			22.0390	93.7230				33.0				26	66.76	71.97	m i ke	BGR
10418012																	

Magnitude Err Nsta Author OrigID

mb	5.5		BGR	10418012
Ms	4.6		BGR	10418012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	71.20		P	13:35:49.370	0.1	80.7		6.24		TAS		18.8	0.81	a_e	mb	5.3
ASSE	68.69		P	13:35:33.370	0.1	80.7		6.24		TAS		23.2	1.20	a_e	mb	5.3
BFO	70.86		P	13:35:46.720	-0.4	80.7		6.24		TAS		18.4	1.15	a_e	mb	5.1

BRG	66.84	P	13:35:22.170	0.0	80.7	6.24	TAS	46.2	1.19	a_e	mb	5.6
BSEG	68.63	P	13:35:33.420	0.1	80.7	6.24	TAS	41.0	0.89	a_e	mb	5.7
BUG	70.89	P	13:35:47.220	-0.0	80.7	6.24	TAS	31.3	1.21	a_e	mb	5.3
CLL	67.38	P	13:35:25.120	-0.2	80.7	6.24	TAS	35.7	1.27	a_e	mb	5.5
CLZ	68.92	P	13:35:35.270	-0.2	80.7	6.24	TAS	41.2	1.00	a_e	mb	5.6
FLT1	68.32	P	13:35:30.670	0.2	80.7	6.24	TAS	44.7	1.39	a_e	mb	5.5
FUR	68.96	P	13:35:35.570		80.7	6.24	TAS	56.0	1.22	a_e	mb	5.7
GEC2	67.26	P	13:35:25.020	-0.5	80.7	6.24	TAS	40.7	0.82	m_e	mb	5.7
GOR1	68.18	P	13:35:30.570	-0.2	80.7	6.24	TAS	84.6	1.34	a_e	mb	5.8
GRA1	68.74	P	13:35:34.670	0.1	80.7	6.24	TAS	96.5	1.59	a_e	mb	5.8
GRA1	68.74	L	14:09:27.266				T__	321.8	22.00	a_e	Ms	4.5
GTTG	69.22	P	13:35:37.020	-0.4	80.7	6.24	TAS	56.3	1.25	a_e	mb	5.7
IBBN	70.43	P	13:35:44.370	-0.2	80.7	6.24	TAS	42.1	1.10	a_e	mb	5.5
KAST	70.24	P	13:35:43.270	0.0	80.7	6.24	TAS	10.4	0.78	a_e	mb	5.0
MOX	68.34	P	13:35:31.570	0.1	80.7	6.24	TAS	35.2	1.18	a_e	mb	5.5
MOX	68.34	L	14:07:32.529				T__	399.7	21.10	a_e	Ms	4.6
NEUB	68.16	P	13:35:30.170	0.1	80.7	6.24	TAS	43.7	0.95	a_e	mb	5.7
PLN	68.02	P	13:35:29.570	-0.0	80.7	6.24	TAS	11.9	1.15	a_e	mb	5.0
RETH	69.39	P	13:35:37.920	-0.0	80.7	6.24	TAS	23.5	1.37	a_e	mb	5.2
RUE	66.76	P	13:35:21.320	-0.6	80.7	6.24	TAS	83.4	1.14	a_e	mb	5.9
STU	70.21	P	13:35:43.270	0.2	80.7	6.24	TAS	159.6	1.17	a_e	mb	6.0
TANN	67.84	P	13:35:28.470	0.3	80.7	6.24	TAS	22.3	0.92	a_e	mb	5.4
TNS	70.40	P	13:35:44.370	0.7	80.7	6.24	TAS	36.7	0.99	a_e	mb	5.5
UBR	69.82	P	13:35:40.320		80.7	6.24	TAS	22.6	0.72	a_e	mb	5.4
WLF	71.97	P	13:35:54.520	0.3	80.7	6.24	TAS	98.3	1.06	a_e	mb	5.9

Event 10418007 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	14:11:39.54			23.2670	121.5810				33.0			26		81.97	87.54	m i ke	BGR
10418013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10418013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.56		P	14:24:18.700	-0.0	59.9		5.04		TAS		46.5	1.43	a_e	mb 5.4
ASSE	83.80		P	14:24:04.900	0.2	59.9		5.04		TAS		27.5	1.35	a_e	mb 5.3
BFO	87.07		P	14:24:20.750	-0.0	59.9		5.04		TAS		22.1	1.29	a_e	mb 5.1
BRG	82.64		P	14:23:58.800	0.0	59.9		5.04		TAS		18.3	1.33	m_e	mb 5.1
BSEG	83.07		P	14:24:01.150	0.2	59.9		5.04		TAS		18.8	1.14	a_e	mb 5.2
BUG	85.96		P	14:24:15.596	0.1	59.9		5.04		TAS		35.2	0.89	m_e	mb 5.5
CLL	82.95		P	14:24:00.050	-0.2	59.9		5.04		TAS		16.3	0.93	a_e	mb 5.2
CLZ	84.11		P	14:24:06.700	-0.1	59.9		5.04		TAS		38.6	1.19	a_e	mb 5.5
FLT1	83.40		P	14:24:02.250	0.3	59.9		5.04		TAS		32.0	1.44	a_e	mb 5.3
FUR	85.47		P	14:24:13.750		59.9		5.04		TAS		65.6	0.89	a_e	mb 5.8

GEC2	83.73	P	14:24:04.550	-0.5	59.9	5.04	TAS	28.0	1.03	a_e	mb	5.4
GOR1	83.04	P	14:24:01.100	-0.1	59.9	5.04	TAS	62.6	1.37	a_e	mb	5.7
GRA1	84.74	P	14:24:09.900	-0.2	59.9	5.04	TAS	30.3	1.04	a_e	mb	5.5
GTTG	84.48	P	14:24:08.400	-0.4	59.9	5.04	TAS	22.2	0.86	a_e	mb	5.4
IBBN	85.24	P	14:24:12.100	0.1	59.9	5.04	TAS	29.1	1.11	a_e	mb	5.4
KAST	85.49	P	14:24:13.400	-0.1	59.9	5.04	TAS	16.6	1.15	a_e	mb	5.1
MOX	84.04	P	14:24:05.900	0.0	59.9	5.04	TAS	24.6	1.21	a_e	mb	5.3
NEUB	83.68	P	14:24:03.950	-0.1	59.9	5.04	TAS	17.7	0.91	a_e	mb	5.3
PLN	83.82	P	14:24:04.900	0.1	59.9	5.04	TAS	7.4	1.16	a_e	mb	4.8
RETH	84.18	P	14:24:06.850	0.1	59.9	5.04	TAS	59.1	1.82	a_e	mb	5.5
RUE	81.97	P	14:23:55.450	-0.5	59.9	5.04	TAS	35.6	0.89	a_e	mb	5.5
STU	86.35	P	14:24:17.400	0.5	59.9	5.04	TAS	36.0	0.86	a_e	mb	5.5
TANN	83.68	P	14:24:04.150	-0.1	59.9	5.04	TAS	44.4	1.88	a_e	mb	5.4
TNS	85.99	P	14:24:15.950	0.4	59.9	5.04	TAS	20.5	1.23	a_e	mb	5.1
UBR	86.40	P	14:24:17.850		59.9	5.04	TAS	19.6	0.98	a_e	mb	5.2
WLF	87.54	P	14:24:23.600	0.1	59.9	5.04	TAS	51.3	0.97	a_e	mb	5.8

Event 10418008 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	14:14:41.35			23.7290	121.0560				33.0			24		80.59	86.88	m i ke	BGR
10418014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	10418014
MBB	6.3		BGR	10418014
Ms	6.3		BGR	10418014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.90		S	14:37:57.704		60.3		10.71		TAS				m_e	
AHRW	85.90		P	14:27:17.182	-0.1	60.0		5.09		TAS		56.1	1.16	a_e	MBB 6.2
ASSE	83.15		S	14:37:27.933		60.3		10.71		TAS				m_e	
ASSE	83.15		P	14:27:03.232	0.0	60.0		5.09		TAS		68.0	1.41	a_e	MBB 6.4
BFO	86.41		S	14:38:00.256		60.3		10.71		TAS				m_e	
BFO	86.41		P	14:27:19.332	-0.5	60.0		5.09		TAS		19.5	1.11	a_e	MBB 6.0
BRG	81.98		S	14:37:12.113	0.4	60.3		10.71		TAS				m_e	
BRG	81.98		P	14:26:57.132	-0.1	60.0		5.09		TAS		149.0	1.83	a_e	MBB 6.2
BSEG	82.42		S	14:37:18.407	-0.2	60.3		10.71		TAS				m_e	
BSEG	82.42		P	14:26:59.532	0.0	60.0		5.09		TAS		44.3	1.02	a_e	MBB 6.4
BUG	85.31		S	14:37:52.941		60.3		10.71		TAS				m_e	
BUG	85.31		P	14:27:13.982	-0.2	60.0		5.09		TAS		86.4	1.09	a_e	MBB 6.4
CLL	82.29		S	14:37:16.706	0.7	60.3		10.71		TAS				m_e	
CLL	82.29		P	14:26:58.432	-0.4	60.0		5.09		TAS		51.5	1.07	m_e	MBB 6.2
CLZ	83.45		S	14:37:30.315		60.3		10.71		TAS				m_e	
CLZ	83.45		P	14:27:05.182	0.4	60.0		5.09		TAS		98.6	1.08	a_e	MBB 6.4
FLT1	82.75		S	14:37:18.577	-0.6	60.3		10.71		TAS				m_e	

FLT1	82.75	P	14:27:00.632	-0.6	60.0	5.09	TAS	49.4	1.04	a_e	MBB	6.3
FUR	84.81	P	14:27:12.232	0.6	60.0	5.09	TAS	154.8	0.93	a_e	MBB	6.5
GEC2	83.07	S	14:37:27.593		60.3	10.71	TAS			m_e		
GEC2	83.07	P	14:27:03.032	0.2	60.0	5.09	TAS	66.3	1.01	a_e	MBB	6.3
GOR1	82.38	P	14:26:59.632	0.3	60.0	5.09	TAS	120.8	1.24	a_e	MBB	6.4
GRA1	84.08	S	14:37:36.439		60.3	10.71	TAS			m_e		
GRA1	84.08	P	14:27:08.382	0.4	60.0	5.09	TAS	78.8	1.01	a_e	MBB	6.3
GRA1	84.08	PP	14:30:22.954	7.4	56.9	7.48	TAS			m_e		
GRA1	84.08	L	15:08:35.811				T__	10599.1	20.80	a_e	Ms	6.2
GTTG	83.83	S	14:37:33.888		60.3	10.71	TAS			m_e		
GTTG	83.83	P	14:27:06.882	0.2	60.0	5.09	TAS	45.7	0.86	a_e	MBB	6.3
HLG	83.52	S	14:37:32.357		60.3	10.71	TAS			m_e		
HLG	83.52	P	14:27:05.482	0.4	60.0	5.09	TAS	139.4	1.34	m_e	MBB	6.6
IBBN	84.59	P	14:27:10.482	-0.1	60.0	5.09	TAS	100.3	1.07	a_e	MBB	6.4
KAST	84.83	S	14:37:38.111		60.3	10.71	TAS			m_e		
KAST	84.83	P	14:27:11.832	0.0	60.0	5.09	TAS	26.6	1.00	a_e	MBB	6.3
MOX	83.38	S	14:37:30.825		60.3	10.71	TAS			m_e		
MOX	83.38	P	14:27:04.432	0.0	60.0	5.09	TAS	42.0	1.17	a_e	MBB	6.4
MOX	83.38	L	15:08:20.461				T__	15660.9	18.40	a_e	Ms	6.4
NEUB	83.02	S	14:37:24.871	0.9	60.3	10.71	TAS			m_e		
NEUB	83.02	P	14:27:02.482	-0.1	60.0	5.09	TAS	98.2	1.11	a_e	MBB	6.4
PLN	83.16	S	14:37:27.763		60.3	10.71	TAS			m_e		
PLN	83.16	P	14:27:03.282	0.0	60.0	5.09	TAS	13.5	1.05	a_e	MBB	5.8
RETH	83.53	P	14:27:05.232	0.1	60.0	5.09	TAS	110.7	1.61	a_e	MBB	6.4
RGN	80.59	S	14:37:02.754	3.0	60.3	10.71	TAS			m_e		
RGN	80.59	P	14:26:49.832	-0.3	60.0	5.09	TAS	163.5	1.25	a_e	MBB	6.2
RUE	81.32	S	14:37:09.561	-1.3	60.3	10.71	TAS			m_e		
RUE	81.32	P	14:26:53.782	-0.1	60.0	5.09	TAS	119.0	1.08	a_e	MBB	6.4
STU	85.69	S	14:37:55.663		60.3	10.71	TAS			m_e		
STU	85.69	P	14:27:15.882	-0.3	60.0	5.09	TAS	66.6	0.96	a_e	MBB	6.6
TANN	83.02	S	14:37:26.232	4.5	60.3	10.71	TAS			m_e		
TANN	83.02	P	14:27:02.632	0.0	60.0	5.09	TAS	30.6	1.16	a_e	MBB	6.2
TNS	85.33	S	14:37:55.152		60.3	10.71	TAS			m_e		
TNS	85.33	P	14:27:14.432	0.1	60.0	5.09	TAS	68.8	1.40	a_e	MBB	6.3
UBR	85.73	S	14:37:55.663		60.3	10.71	TAS			m_e		
UBR	85.73	P	14:27:16.232	-0.1	60.0	5.09	TAS	39.8	1.02	a_e	MBB	6.3
WLF	86.88	S	14:38:07.061		60.3	10.71	TAS			m_e		
WLF	86.88	P	14:27:22.182	-0.1	60.0	5.09	TAS	121.2	0.99	a_e	MBB	6.2

Event 10418009 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	15:17:25.21			61.8000	-25.7600				33.0			26		20.30	25.43	m i ke	BGR
	10418015																

Magnitude Err Nsta Author OrigID

mb 4.9 BGR 10418015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.19		P	15:22:05.103		314.6		10.10		TAS		21.7	0.95	m_e	mb 4.5
ASSE	21.77		P	15:22:15.873	0.3	314.6		10.10		TAS		111.4	1.48	m_e	mb 5.0
BFO	23.35		P	15:22:31.037		314.6		10.10		TAS		19.9	1.08	m_e	mb 4.6
BRG	24.14		P	15:22:38.663	-0.2	314.6		10.10		TAS		33.7	1.46	m_e	mb 4.7
BSEG	20.47		P	15:22:00.370	-0.8	314.6		10.10		TAS		41.1	1.18	m_e	mb 4.5
BUG	20.66		P	15:22:02.716	-0.2	314.6		10.10		TAS		49.1	1.25	m_e	mb 4.6
CLL	23.41		P	15:22:31.037	0.4	314.6		10.10		TAS		222.6	2.48	m_e	mb 5.2
CLZ	21.82		P	15:22:16.564	-1.5	314.6		10.10		TAS		182.7	2.02	m_e	mb 5.1
FLT1	21.91		P	15:22:16.225	0.8	314.6		10.10		TAS		75.1	1.32	m_e	mb 4.8
FUR	24.81		P	15:22:45.525		314.6		10.10		TAS		13.3	0.61	m_e	mb 4.6
GEC2	25.43		P	15:22:51.173	-0.5	314.6		10.10		TAS		35.6	1.94	m_e	mb 4.8
GOR1	21.52		P	15:22:12.291	1.6	314.6		10.10		TAS		92.7	1.41	m_e	mb 4.9
GRA1	23.68		P	15:22:34.527	0.6	314.6		10.10		TAS		100.1	1.75	m_e	mb 5.1
GTTG	21.83		P	15:22:16.336	-0.3	314.6		10.10		TAS		94.5	1.38	m_e	mb 4.9
IBBN	20.30		P	15:22:00.120	0.7	314.6		10.10		TAS		154.6	2.14	m_e	mb 4.9
KAST	21.34		P	15:22:11.040	-0.0	314.6		10.10		TAS		36.9	1.40	m_e	mb 4.5
MOX	23.20		P	15:22:29.874	-0.4	314.6		10.10		TAS		64.1	1.43	m_e	mb 5.0
NEUB	22.91		P	15:22:27.071	-0.0	314.6		10.10		TAS		219.0	2.20	m_e	mb 5.2
PLN	23.57		P	15:22:33.364	1.0	314.6		10.10		TAS		53.8	1.91	m_e	mb 4.8
RETH	20.77		P	15:22:04.234	-0.5	314.6		10.10		TAS		117.6	1.59	m_e	mb 4.9
RUE	23.01		P	15:22:27.749	0.0	314.6		10.10		TAS		132.9	1.48	m_e	mb 5.2
STU	23.42		P	15:22:32.602	0.3	314.6		10.10		TAS		508.4	1.95	m_e	mb 5.7
TANN	23.75		P	15:22:34.993	-0.4	314.6		10.10		TAS		109.3	2.06	m_e	mb 5.0
TNS	22.04		P	15:22:17.582	-1.3	314.6		10.10		TAS		36.9	1.38	m_e	mb 4.5
UBR	24.63		P	15:22:43.961		314.6		10.10		TAS		30.1	1.00	m_e	mb 4.8
WLF	21.40		P	15:22:11.577	1.0	314.6		10.10		TAS		67.0	1.87	m_e	mb 4.7

Event 10418011 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	16:15:57.35			-22.2100	-179.4400				600.0			23		147.39	153.12	m i ke	BGR
OrigID 10418017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.05		PKPbc	16:34:38.281	0.3	19.8		2.34		TAS				m_e	
BFO	153.12		PKPbc	16:34:47.678		19.8		2.34		TAS				m_e	
BFO	153.12		PKPab	16:35:02.041		18.2		4.18		TAS				m_e	
BRG	149.47		PKPbc	16:34:39.831	0.0	19.8		2.34		TAS				m_e	
BRG	149.47		PKPab	16:34:47.129	-0.2	18.2		4.18		TAS				m_e	
BSEG	147.39		PKPbc	16:34:34.604	0.0	19.8		2.34		TAS				m_e	
BSEG	147.39		PKPab	16:34:38.706	-0.2	18.2		4.18		TAS				m_e	

CLL	149.31	PKPbc	16:34:39.147	0.2	19.8	2.34	TAS	m_e
CLL	149.31	PKPab	16:34:46.286	-0.1	18.2	4.18	TAS	m_e
CLZ	149.38	PKPbc	16:34:39.694	-0.0	19.8	2.34	TAS	m_e
FLT1	148.75	PKPbc	16:34:37.551	-0.1	19.8	2.34	TAS	m_e
FLT1	148.75	PKPab	16:34:43.724	0.2	18.2	4.18	TAS	m_e
FUR	152.64	PKPab	16:35:00.948		18.2	4.18	TAS	m_e
GEC2	151.37	PKPbc	16:34:43.977		19.8	2.34	TAS	m_e
GEC2	151.37	PKPab	16:34:55.446		18.2	4.18	TAS	m_e
GOR1	148.11	PKPbc	16:34:36.285	-0.3	19.8	2.34	TAS	m_e
GRA1	151.23	PKPbc	16:34:43.569	-0.4	19.8	2.34	TAS	m_e
GTTG	149.74	PKPbc	16:34:40.150	0.2	19.8	2.34	TAS	m_e
GTTG	149.74	PKPab	16:34:48.266		18.2	4.18	TAS	m_e
IBBN	149.36	PKPab	16:34:46.328	0.2	18.2	4.18	TAS	m_e
KAST	150.34	PKPbc	16:34:41.791	0.2	19.8	2.34	TAS	m_e
MOX	150.25	PKPbc	16:34:41.385	-0.1	19.8	2.34	TAS	m_e
MOX	150.25	PKPab	16:34:50.391		18.2	4.18	TAS	m_e
NEUB	149.70	PKPbc	16:34:40.332	0.1	19.8	2.34	TAS	m_e
NEUB	149.70	PKPab	16:34:48.148		18.2	4.18	TAS	m_e
PLN	150.27	PKPbc	16:34:41.684	-0.2	19.8	2.34	TAS	m_e
RETH	148.70	PKPbc	16:34:37.679	-0.3	19.8	2.34	TAS	m_e
RUE	148.04	PKPbc	16:34:36.275	-0.1	19.8	2.34	TAS	m_e
STU	152.53	PKPbc	16:34:46.611		19.8	2.34	TAS	m_e
TANN	150.27	PKPbc	16:34:41.569	0.2	19.8	2.34	TAS	m_e
TANN	150.27	PKPab	16:34:50.742		18.2	4.18	TAS	m_e
TNS	151.28	PKPbc	16:34:44.082		19.8	2.34	TAS	m_e
WLF	152.16	PKPbc	16:34:46.333		19.8	2.34	TAS	m_e

Event 10418012 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	17:03:40.00			-30.3200	-177.0700				10.0					159.59	159.59	m i ke	EMSC
10418044																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.59		PKP	17:24:15.646		21.0		4.09		TAS					m_e

Event 10418014 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/18	22:17:45.70			29.6300	50.6100				10.0					35.79	35.79	m i ke	EMSC
10418046																	

Magnitude Err Nsta Author OrigID
 mb 4.2 BGR 10418020

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 35.79 P 22:24:43.676 109.2 9.66 TAS 4.2 1.13 m_e mb 4.2

Event 10419001 Vanuatu Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/04/19 00:41:38.07 -20.9280 169.2080 33.0 21 144.26 148.59 m i ke BGR
 10419007

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 ASSE 144.63 PKPbc 01:01:09.833 0.5 38.6 3.02 TAS a_e
 BFO 148.59 PKPbc 01:01:21.280 38.6 3.02 TAS m_e
 BRG 144.32 PKPbc 01:01:08.483 0.4 38.6 3.02 TAS a_e
 CLL 144.38 PKPbc 01:01:08.483 0.3 38.6 3.02 TAS a_e
 CLZ 144.97 PKPbc 01:01:11.183 -0.0 38.6 3.02 TAS a_e
 FLT1 144.26 PKPbc 01:01:08.181 0.1 38.6 3.02 TAS m_e
 FUR 147.50 PKPbc 01:01:18.433 38.6 3.02 TAS a_e
 GEC2 145.92 PKPbc 01:01:13.933 -0.0 38.6 3.02 TAS m_e
 GRA1 146.35 PKPbc 01:01:15.001 -0.5 38.6 3.02 TAS m_e
 GTTG 145.36 PKPbc 01:01:12.433 0.1 38.6 3.02 TAS a_e
 IBBN 145.47 PKPbc 01:01:12.583 -0.0 38.6 3.02 TAS a_e
 KAST 146.19 PKPbc 01:01:14.257 0.3 38.6 3.02 TAS m_e
 MOX 145.45 PKPbc 01:01:12.483 0.3 38.6 3.02 TAS a_e
 NEUB 144.96 PKPbc 01:01:10.833 0.3 38.6 3.02 TAS a_e
 PLN 145.36 PKPbc 01:01:12.233 -0.3 38.6 3.02 TAS a_e
 RETH 144.58 PKPbc 01:01:09.238 0.3 38.6 3.02 TAS m_e
 STU 147.89 PKPbc 01:01:19.553 38.6 3.02 TAS m_e
 TANN 145.29 PKPbc 01:01:12.033 0.2 38.6 3.02 TAS a_e
 TNS 146.99 PKPbc 01:01:17.283 38.6 3.02 TAS a_e
 UBR 148.38 PKPbc 01:01:20.583 38.6 3.02 TAS a_e
 WLF 148.26 PKPbc 01:01:21.233 38.6 3.02 TAS a_e

Event 10419002 Near east coast of eastern Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/04/19 04:06:22.27 38.6900 141.5530 33.0 17 78.53 83.81 m i ke BGR
 10419008

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 10419008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.85		P	04:18:26.153	0.3	37.0		5.29		TAS		6.7	1.16	m_e mb	4.5
BFO	83.81		P	04:18:47.009		37.0		5.29		TAS		8.2	0.85	m_e mb	5.0
BRG	79.59		P	04:18:24.936	-0.2	37.0		5.29		TAS		4.3	0.80	m_e mb	4.4
BSEG	78.53		P	04:18:19.291	-0.4	37.0		5.29		TAS		10.2	0.87	m_e mb	4.9
CLL	79.62		P	04:18:24.936	-0.0	37.0		5.29		TAS		8.7	0.73	m_e mb	4.8
CLZ	80.19		P	04:18:28.098	0.3	37.0		5.29		TAS		7.8	0.94	m_e mb	4.6
FLT1	79.48		P	04:18:23.959	-0.3	37.0		5.29		TAS		8.5	0.69	m_e mb	4.8
GEC2	81.27		P	04:18:33.846		37.0		5.29		TAS		3.9	0.66	m_e mb	4.6
GOR1	78.93		P	04:18:21.814	-0.0	37.0		5.29		TAS		25.6	1.44	m_e mb	5.0
GRA1	81.59		P	04:18:36.097		37.0		5.29		TAS		10.3	0.80	m_e mb	5.0
GTTG	80.58		P	04:18:30.447	0.0	37.0		5.29		TAS		7.6	0.76	m_e mb	4.8
IBBN	80.76		P	04:18:31.350	0.0	37.0		5.29		TAS		11.1	0.66	m_e mb	5.0
KAST	81.43		P	04:18:34.624		37.0		5.29		TAS		5.0	0.94	m_e mb	4.6
MOX	80.68		P	04:18:30.684	-0.3	37.0		5.29		TAS		2.3	0.68	m_e mb	4.3
NEUB	80.18		P	04:18:28.040	-0.1	37.0		5.29		TAS		10.9	0.94	m_e mb	4.8
RETH	79.84		P	04:18:25.944	-0.1	37.0		5.29		TAS		5.5	0.81	m_e mb	4.5
UBR	83.65		P	04:18:46.498		37.0		5.29		TAS		3.6	0.73	m_e mb	4.7

Event 10419003 Banda Sea
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/04/19 07:07:37.30 -7.8000 127.7200 85.0 22 110.65 116.08 m i ke NEIC
 10419042

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	112.58		PKPdf	07:26:03.211	0.3	74.3		1.93		TAS				m_e	
BFO	115.16		PKPdf	07:26:07.412		74.3		1.93		TAS				m_e	
BRG	110.95		PKPdf	07:25:59.839	-0.1	74.3		1.93		TAS				m_e	
BSEG	112.23		PKPdf	07:26:02.738	-0.3	74.3		1.93		TAS				m_e	
CLL	111.42		PKPdf	07:26:00.667	0.3	74.3		1.93		TAS				m_e	
CLZ	112.84		PKPdf	07:26:03.921	0.3	74.3		1.93		TAS				m_e	
FLT1	112.19		PKPdf	07:26:02.206	0.1	74.3		1.93		TAS				m_e	
FUR	113.32		PKPdf	07:26:04.572	0.0	74.3		1.93		TAS				m_e	
GEC2	111.59		PKPdf	07:26:01.259	0.1	74.3		1.93		TAS				m_e	
GOR1	111.96		PKPdf	07:26:01.851	-0.2	74.3		1.93		TAS				m_e	
GRA1	112.95		PKPdf	07:26:03.331	0.3	74.3		1.93		TAS				m_e	
GTTG	113.17		PKPdf	07:26:04.572	-0.2	74.3		1.93		TAS				m_e	
HLG	113.50		PKPdf	07:26:05.223	-0.1	74.3		1.93		TAS				m_e	
KAST	114.20		PKPdf	07:26:06.347	-0.4	74.3		1.93		TAS				m_e	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	10420007
Ms	5.6		BGR	10420007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	87.54		P	00:11:20.066	0.2	94.1		4.92		TAS		136.9	1.10	a_e	mb	6.2
AHRW	87.54		pP	00:11:32.333						T__				m_e		
ASSE	85.34		P	00:11:08.966	-0.1	94.1		4.92		TAS		123.3	1.12	a_e	mb	6.0
ASSE	85.34		pP	00:11:21.082						T__				m_e		
BFO	86.68		P	00:11:15.216	-0.4	94.1		4.92		TAS		45.3	0.97	a_e	mb	5.6
BFO	86.68		pP	00:11:27.531						T__				m_e		
BRG	83.20		S	00:21:20.881	-1.8	92.7		6.30		TAS				m_e		
BRG	83.20		P	00:10:58.716	0.2	94.1		4.92		TAS		113.3	1.03	a_e	mb	6.0
BRG	83.20		pP	00:11:11.094						T__				m_e		
BSEG	85.67		P	00:11:10.866	0.2	94.1		4.92		TAS		287.4	1.13	a_e	mb	6.3
BSEG	85.67		pP	00:11:23.079						T__				m_e		
BUG	87.42		P	00:11:19.216	-0.1	94.1		4.92		TAS		167.1	1.00	a_e	mb	6.1
BUG	87.42		pP	00:11:31.743						T__				m_e		
CLL	83.83		S	00:21:22.634	-0.1	92.7		6.30		TAS				m_e		
CLL	83.83		P	00:11:01.316	-0.4	94.1		4.92		TAS		95.5	1.02	a_e	mb	6.0
CLL	83.83		pP	00:11:13.812						T__				m_e		
CLZ	85.51		P	00:11:10.066	0.1	94.1		4.92		TAS		135.5	1.11	a_e	mb	6.1
FLT1	85.01		P	00:11:06.666	-0.8	94.1		4.92		TAS		58.3	1.06	a_e	mb	5.7
FUR	84.70		S	00:21:30.230		92.7		6.30		TAS				m_e		
FUR	84.70		P	00:11:05.616	-0.3	94.1		4.92		TAS		64.9	0.97	a_e	mb	5.8
FUR	84.70		pP	00:11:18.126						T__				m_e		
GEC2	83.15		S	00:21:21.271	0.8	92.7		6.30		TAS				m_e		
GEC2	83.15		P	00:10:58.616	0.3	94.1		4.92		TAS		176.1	1.10	a_e	mb	6.2
GEC2	83.15		pP	00:11:10.798						T__				m_e		
GOR1	85.01		P	00:11:07.516	0.0	94.1		4.92		TAS		240.7	1.49	a_e	mb	6.2
GOR1	85.01		pP	00:11:19.812						T__				m_e		
GRA1	84.84		P	00:11:07.066	0.5	94.1		4.92		TAS		125.5	1.02	a_e	mb	6.1
GRA1	84.84		L	00:57:43.962						T__		2398.2	19.10	a_e	Ms	5.6
GTTG	85.75		S	00:21:36.851		92.7		6.30		TAS				m_e		
GTTG	85.75		P	00:11:11.216	0.1	94.1		4.92		TAS		206.6	1.37	a_e	mb	6.1
GTTG	85.75		pP	00:11:23.329						T__				m_e		
HLG	87.11		S	00:21:44.836		92.7		6.30		TAS				m_e		
HLG	87.11		P	00:11:17.816	0.0	94.1		4.92		TAS		88.9	0.87	a_e	mb	5.9
IBBN	87.14		S	00:21:44.836		92.7		6.30		TAS				m_e		
IBBN	87.14		P	00:11:17.966	0.0	94.1		4.92		TAS		228.0	0.93	a_e	mb	6.3
IBBN	87.14		pP	00:11:30.422						T__				m_e		
KAST	86.70		P	00:11:15.916	0.1	94.1		4.92		TAS		132.5	1.14	a_e	mb	6.0
MOX	84.65		S	00:21:29.061		92.7		6.30		TAS				m_e		
MOX	84.65		P	00:11:05.816	0.1	94.1		4.92		TAS		77.3	1.08	m_e	mb	5.8
MOX	84.65		L	00:58:51.788						T__		2285.9	18.90	a_e	Ms	5.6
NEUB	84.59		S	00:21:29.451		92.7		6.30		TAS				m_e		
NEUB	84.59		P	00:11:05.216	-0.2	94.1		4.92		TAS		160.8	0.98	a_e	mb	6.2
NEUB	84.59		pP	00:11:17.768						T__				m_e		
PLN	84.30		S	00:21:27.893		92.7		6.30		TAS				m_e		

PLN	84.30	P	00:11:04.016	0.1	94.1	4.92	TAS	26.0	1.00	a_e	mb	5.4
PLN	84.30	pP	00:11:16.193				T__				m_e	
RETH	86.18	P	00:11:13.216	-0.0	94.1	4.92	TAS	179.1	1.19	a_e	mb	6.1
RGN	83.96	S	00:21:26.140	-0.3	92.7	6.30	TAS				m_e	
RGN	83.96	P	00:11:02.416	0.1	94.1	4.92	TAS	195.1	1.05	a_e	mb	6.3
RGN	83.96	pP	00:11:14.415				T__				m_e	
RUE	83.47	S	00:21:20.297	0.4	92.7	6.30	TAS				m_e	
RUE	83.47	P	00:10:59.866	-0.0	94.1	4.92	TAS	364.3	1.01	a_e	mb	6.6
RUE	83.47	pP	00:11:12.264				T__				m_e	
STU	86.12	P	00:11:12.766	-0.1	94.1	4.92	TAS	89.3	0.97	a_e	mb	5.9
STU	86.12	pP	00:11:25.142				T__				m_e	
TANN	84.10	S	00:21:27.113		92.7	6.30	TAS				m_e	
TANN	84.10	P	00:11:03.066	0.1	94.1	4.92	TAS	65.7	1.09	a_e	mb	5.8
TNS	86.65	P	00:11:15.816	0.3	94.1	4.92	TAS	95.8	1.10	a_e	mb	5.8
TNS	86.65	pP	00:11:27.803				T__				m_e	
UBR	85.46	P	00:11:09.466	-0.1	94.1	4.92	TAS	47.1	1.01	a_e	mb	5.7
UBR	85.46	pP	00:11:21.814				T__				m_e	
WLF	88.12	P	00:11:22.966	0.2	94.1	4.92	TAS	240.6	1.34	a_e	mb	6.3
WLF	88.12	pP	00:11:35.196				T__				m_e	

Event 10420002 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/20	05:09:52.90			36.4300	27.1500				12.0					17.58	17.58	m i ke	EMSC
10420034																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	10420008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	17.58		P	05:14:01.343		132.9		12.33		TAS		23.8	1.42	m_e	mb	4.1

Event 10420005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2021/04/20	15:12:01.60			-18.0200	-177.5000				586.0					21	143.56	149.68	m i ke	EMSC
10420037																		

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	149.31		PKPbc	15:30:47.294		15.3		2.80		TAS					m_e		
BRG	145.89		PKPbc	15:30:38.272	0.2	15.3		2.80		TAS					m_e		

BSEG	143.56	PKPbc	15:30:31.139	-0.3	15.3	2.80	TAS	m_e
CLL	145.67	PKPbc	15:30:37.433	0.2	15.3	2.80	TAS	m_e
CLZ	145.59	PKPbc	15:30:37.958	0.1	15.3	2.80	TAS	m_e
FLT1	144.99	PKPbc	15:30:35.440	0.0	15.3	2.80	TAS	m_e
FUR	149.01	PKPbc	15:30:46.874		15.3	2.80	TAS	m_e
GEC2	147.86	PKPbc	15:30:43.465		15.3	2.80	TAS	m_e
GRA1	147.55	PKPbc	15:30:42.857		15.3	2.80	TAS	m_e
GTTG	145.94	PKPbc	15:30:38.692	0.3	15.3	2.80	TAS	m_e
HLG	143.58	PKPbc	15:30:31.716	-0.2	15.3	2.80	TAS	m_e
KAST	146.47	PKPbc	15:30:40.003	-0.3	15.3	2.80	TAS	m_e
MOX	146.56	PKPbc	15:30:40.213	0.4	15.3	2.80	TAS	m_e
NEUB	146.00	PKPbc	15:30:39.112	0.2	15.3	2.80	TAS	m_e
PLN	146.62	PKPbc	15:30:40.423	0.1	15.3	2.80	TAS	m_e
RETH	144.85	PKPbc	15:30:35.125	-0.1	15.3	2.80	TAS	m_e
STU	148.76	PKPbc	15:30:46.297		15.3	2.80	TAS	m_e
TANN	146.63	PKPbc	15:30:40.528	-0.0	15.3	2.80	TAS	m_e
TNS	147.43	PKPbc	15:30:42.783	-0.5	15.3	2.80	TAS	m_e
UBR	149.68	PKPbc	15:30:48.290		15.3	2.80	TAS	m_e
WLF	148.20	PKPbc	15:30:45.406		15.3	2.80	TAS	m_e

Event 10420008 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/20	17:39:41.33			36.0100	139.0550				33.0			24		79.99	85.15	m i ke	BGR
OrigID 10420014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10420014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.89		P	17:52:06.597	0.3	40.1		5.19		TAS		11.6	0.87	a_e mb	5.1
ASSE	81.24		P	17:51:52.647	0.3	40.1		5.19		TAS		7.1	0.96	a_e mb	4.8
ASSE	81.24		PP	17:54:59.286	0.1	41.1		8.37		TAS				m_e	
BFO	85.15		P	17:52:12.647		40.1		5.19		TAS		23.0	1.18	a_e mb	5.2
BRG	80.85		P	17:51:50.697	-0.2	40.1		5.19		TAS		10.2	0.91	m_e mb	4.8
BSEG	79.99		P	17:51:46.297	-0.1	40.1		5.19		TAS		18.5	1.03	a_e mb	5.0
BUG	83.10		P	17:52:02.292	0.1	40.1		5.19		TAS		10.4	0.75	m_e mb	5.1
CLL	80.92		P	17:51:50.797	-0.1	40.1		5.19		TAS		26.9	1.01	a_e mb	5.2
CLL	80.92		PP	17:54:56.788	0.2	41.1		8.37		TAS				m_e	
CLZ	81.58		P	17:51:54.897	0.1	40.1		5.19		TAS		24.0	1.17	a_e mb	5.2
CLZ	81.58		PP	17:55:02.168		41.1		8.37		TAS				m_e	
FLT1	80.87		P	17:51:50.247	0.3	40.1		5.19		TAS		17.0	0.97	a_e mb	5.0
FLT1	80.87		PP	17:54:55.732	-0.0	41.1		8.37		TAS				m_e	
FUR	84.04		P	17:52:07.447	-0.4	40.1		5.19		TAS		29.2	0.90	a_e mb	5.5
GEC2	82.47		P	17:51:59.097	-0.1	40.1		5.19		TAS		5.4	0.74	a_e mb	4.9
GOR1	80.34		P	17:51:48.391	-0.6	40.1		5.19		TAS		38.3	1.27	m_e mb	5.3

Station	Mag	Type	Time	Lat	Lon	Smaj	Smin	Az	Depth	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	82.89	P	17:52:01.997	0.1	40.1		5.19			TAS		33.8	1.05	a_e	mb	5.5
GTTG	81.97	P	17:51:56.647	-0.1	40.1		5.19			TAS		13.8	0.81	a_e	mb	5.1
GTTG	81.97	PP	17:55:05.530		41.1		8.37			TAS				m_e		
IBBN	82.23	P	17:51:57.747	0.6	40.1		5.19			TAS		17.9	0.61	a_e	mb	5.5
KAST	82.85	P	17:52:00.961	0.0	40.1		5.19			TAS		6.6	0.88	m_e	mb	4.9
MOX	82.00	P	17:51:56.797	-0.2	40.1		5.19			TAS		6.0	0.77	a_e	mb	4.8
MOX	82.00	PP	17:55:05.434		41.1		8.37			TAS				m_e		
NEUB	81.52	P	17:51:54.097	0.1	40.1		5.19			TAS		28.0	1.03	a_e	mb	5.3
NEUB	81.52	PP	17:55:00.727		41.1		8.37			TAS				m_e		
PLN	81.90	P	17:51:56.297	-0.1	40.1		5.19			TAS		1.9	0.95	a_e	mb	4.2
PLN	81.90	PP	17:55:04.377		41.1		8.37			TAS				m_e		
RETH	81.28	P	17:51:53.308	0.2	40.1		5.19			TAS		25.6	1.34	m_e	mb	5.2
STU	84.44	P	17:52:09.297		40.1		5.19			TAS		93.6	1.32	a_e	mb	5.8
TANN	81.82	P	17:51:56.000	0.1	40.1		5.19			TAS		3.3	0.82	m_e	mb	4.5
TANN	81.82	PP	17:55:03.724		41.1		8.37			TAS				m_e		
TNS	83.61	P	17:52:05.097	-0.1	40.1		5.19			TAS		6.6	0.90	a_e	mb	4.9
WLF	84.95	P	17:52:12.297		40.1		5.19			TAS		36.4	1.51	a_e	mb	5.4

Event 10421001 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/21	13:28:26.40			29.7900	89.5900				10.0					60.65	60.65	m i ke	EMSC
OrigID 10421033																	

Magnitude Err Nsta Author OrigID
 mb 4.5 BGR 10421007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	60.65		P	13:38:39.003		77.6		5.84		TAS		7.2	0.98	m_e	mb	4.5

Event 10421002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/21	21:49:44.90			-21.1600	-177.0000				272.0					150.71	150.71	m i ke	EMSC
OrigID 10421034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.71		PKP	22:09:05.468		15.9		1.89		TAS				m_e	

Event 10422001 Off coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/22	00:17:15.10			-33.9600	-72.2800				10.0					111.26	111.93	m i ke	EMSC
OrigID 10422033																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	10422007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	111.26		PP	00:36:32.608						T__					m_e
GRA1	111.26		L	01:19:55.038						T__		805.4	20.90	a_e	Ms 5.3
MOX	111.93		L	01:21:36.313						T__		827.3	21.20	a_e	Ms 5.3

Event 10422007 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/22	12:07:48.60			62.7000	-24.8300				10.0					23.50	23.50	m i ke	EMSC
OrigID 10422039																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	10422013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.50		P	12:12:59.444		317.2		9.63		TAS		17.4	1.45	m_e mb	4.4

Event 10423001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/23	02:13:45.93			-23.8470	-178.1780				33.0				16	149.20	153.08	m i ke	BGR
OrigID 10423007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.88		PKPbc	02:33:35.512	0.0	19.3		2.27		TAS					m_e
BRG	151.36		PKPbc	02:33:36.605	-0.1	19.3		2.27		TAS					m_e
BSEG	149.20		PKPbc	02:33:31.697	0.3	19.3		2.27		TAS					m_e
CLL	151.18		PKPbc	02:33:36.035	0.1	19.3		2.27		TAS					m_e
CLZ	151.21		PKPbc	02:33:36.583	0.0	19.3		2.27		TAS					m_e
FLT1	150.59		PKPbc	02:33:34.638	-0.0	19.3		2.27		TAS					m_e
GOR1	149.94		PKPbc	02:33:33.499	-0.0	19.3		2.27		TAS					m_e

GTTG	151.56	PKPbc	02:33:37.118	-0.1	19.3	2.27	TAS	m_e
IBBN	151.14	PKPbc	02:33:36.352	0.0	19.3	2.27	TAS	m_e
KAST	152.13	PKPbc	02:33:38.470	-0.2	19.3	2.27	TAS	m_e
NEUB	151.56	PKPbc	02:33:37.164		19.3	2.27	TAS	m_e
PLN	152.14	PKPbc	02:33:38.292		19.3	2.27	TAS	m_e
RETH	150.50	PKPbc	02:33:34.719		19.3	2.27	TAS	m_e
RUE	149.92	PKPbc	02:33:33.153		19.3	2.27	TAS	m_e
TANN	152.14	PKPbc	02:33:38.336		19.3	2.27	TAS	m_e
TNS	153.08	PKPbc	02:33:40.445		19.3	2.27	TAS	m_e

Event 10423003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/23	23:10:59.25			-21.8570	-176.6300				33.0			27		147.46	153.59	m i ke	BGR
10423009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.13		PKPbc	23:30:49.112	0.3	15.4		2.42		TAS					m_e
ASSE	149.17		PKPbc	23:30:44.130	0.4	15.4		2.42		TAS					m_e
BFO	153.20		PKPbc	23:30:53.656		15.4		2.42		TAS					m_e
BRG	149.80		PKPbc	23:30:45.885	0.1	15.4		2.42		TAS					m_e
BSEG	147.46		PKPbc	23:30:39.635	-0.1	15.4		2.42		TAS					m_e
BUG	150.22		PKPbc	23:30:46.829	0.1	15.4		2.42		TAS					m_e
CLL	149.58		PKPbc	23:30:45.208	0.3	15.4		2.42		TAS					m_e
CLZ	149.49		PKPbc	23:30:45.376	0.2	15.4		2.42		TAS					m_e
FLT1	148.90		PKPbc	23:30:43.188	-0.1	15.4		2.42		TAS					m_e
FUR	152.91		PKPbc	23:30:53.078	-0.7	15.4		2.42		TAS					m_e
GEC2	151.76		PKPbc	23:30:50.408	0.1	15.4		2.42		TAS					m_e
GOR1	148.24		PKPbc	23:30:41.814	-0.2	15.4		2.42		TAS					m_e
GRA1	151.45		PKPbc	23:30:49.938	-0.1	15.4		2.42		TAS					m_e
GTTG	149.84		PKPbc	23:30:46.124	-0.2	15.4		2.42		TAS					m_e
IBBN	149.33		PKPbc	23:30:44.733	0.1	15.4		2.42		TAS					m_e
KAST	150.36		PKPbc	23:30:47.313	0.3	15.4		2.42		TAS					m_e
MOX	150.46		PKPbc	23:30:47.410	0.2	15.4		2.42		TAS					m_e
NEUB	149.91		PKPbc	23:30:46.037	0.1	15.4		2.42		TAS					m_e
PLN	150.52		PKPbc	23:30:47.725	-0.1	15.4		2.42		TAS					m_e
RETH	148.74		PKPbc	23:30:43.070	-0.1	15.4		2.42		TAS					m_e
RUE	148.32		PKPbc	23:30:41.792	-0.3	15.4		2.42		TAS					m_e
STU	152.66		PKPbc	23:30:52.716	-0.3	15.4		2.42		TAS					m_e
TANN	150.53		PKPbc	23:30:47.678	0.2	15.4		2.42		TAS					m_e
TNS	151.32		PKPbc	23:30:49.685	-0.1	15.4		2.42		TAS					m_e
UBR	153.59		PKPbc	23:30:54.105		15.4		2.42		TAS					m_e
WET	151.66		PKPbc	23:30:50.154	0.4	15.4		2.42		TAS					m_e
WLF	152.07		PKPbc	23:30:51.990	-0.1	15.4		2.42		TAS					m_e

Event 10424001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/24	00:23:09.35			-17.7130	-174.9900				33.0			16		143.44	149.25	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.28		PKPbc	00:42:43.830	0.0	11.1		2.83		TAS				m_e	
BFO	149.25		PKPbc	00:42:54.104		11.1		2.83		TAS				m_e	
BSEG	143.53		PKPbc	00:42:38.269	0.1	11.1		2.83		TAS				m_e	
CLL	145.80		PKPbc	00:42:45.305	0.6	11.1		2.83		TAS				m_e	
CLZ	145.59		PKPbc	00:42:45.070	0.1	11.1		2.83		TAS				m_e	
GTTG	145.92		PKPbc	00:42:45.744	0.0	11.1		2.83		TAS				m_e	
HLG	143.44		PKPbc	00:42:38.423	-0.5	11.1		2.83		TAS				m_e	
MOX	146.63		PKPbc	00:42:47.558		11.1		2.83		TAS				m_e	
NEUB	146.07		PKPbc	00:42:45.941	-0.2	11.1		2.83		TAS				m_e	
PLN	146.72		PKPbc	00:42:47.755		11.1		2.83		TAS				m_e	
RETH	144.79		PKPbc	00:42:42.521	0.1	11.1		2.83		TAS				m_e	
RUE	144.54		PKPbc	00:42:41.244	0.5	11.1		2.83		TAS				m_e	
STU	148.74		PKPbc	00:42:53.264		11.1		2.83		TAS				m_e	
TANN	146.74		PKPbc	00:42:47.890		11.1		2.83		TAS				m_e	
TNS	147.36		PKPbc	00:42:50.248		11.1		2.83		TAS				m_e	
WLF	148.02		PKPbc	00:42:52.138		11.1		2.83		TAS				m_e	

Event 10424005 Socotra region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/24	18:00:34.51			12.6970	55.4260				33.0			14		49.84	54.84	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	10424011
Ms	4.7		BGR	10424011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	53.19		P	18:09:49.527	-0.1	119.9		7.47		TAS		272.1	2.66	m_e mb	5.7
BRG	50.80		P	18:09:31.790		119.9		7.47		TAS		96.7	2.35	m_e mb	5.3
CLL	51.53		P	18:09:37.279	0.0	119.9		7.47		TAS		203.1	2.29	m_e mb	5.7
CLZ	53.21		P	18:09:50.254	0.3	119.9		7.47		TAS		264.6	2.50	m_e mb	5.7
FLT1	53.00		P	18:09:47.917	0.1	119.9		7.47		TAS		328.8	2.61	m_e mb	5.8

GEC2	49.84	P	18:09:24.331		119.9	7.47	TAS	94.7	2.38	m_e	mb	5.3
GOR1	53.31	P	18:09:50.558	-0.3	119.9	7.47	TAS	295.6	2.58	m_e	mb	5.8
GRA1	51.66	L	18:33:54.688				T__	830.9	21.40	a_e	Ms	4.7
IBBN	54.84	P	18:10:01.829	0.4	119.9	7.47	TAS	309.5	2.48	m_e	mb	5.9
KAST	53.96	P	18:09:55.416	-0.4	119.9	7.47	TAS	180.8	2.80	m_e	mb	5.6
MOX	51.93	L	18:36:53.066				T__	614.3	21.30	a_e	Ms	4.6
NEUB	52.13	P	18:09:42.069		119.9	7.47	TAS	44.8	1.17	m_e	mb	5.3
PLN	51.55	P	18:09:37.957		119.9	7.47	TAS	81.5	2.47	m_e	mb	5.2
RETH	54.19	P	18:09:57.105	-0.2	119.9	7.47	TAS	135.3	2.05	m_e	mb	5.6
RUE	51.77	P	18:09:38.399	-0.1	119.9	7.47	TAS			m_e		
TANN	51.35	P	18:09:36.019		119.9	7.47	TAS	187.5	2.51	m_e	mb	5.6

Event 10425001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/25	22:27:35.81			-21.6120	-176.5210				33.0			27		146.20	153.36	m i ke	BGR
	10425007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.90		PKPbc	22:47:25.170	-0.2	15.1		2.44		TAS					m_e
ASSE	148.95		PKPbc	22:47:20.435	0.1	15.1		2.44		TAS					m_e
BFO	152.97		PKPbc	22:47:29.693	-0.4	15.1		2.44		TAS					m_e
BRG	149.59		PKPbc	22:47:22.066	0.2	15.1		2.44		TAS					m_e
BSEG	147.23		PKPbc	22:47:15.964	-0.2	15.1		2.44		TAS					m_e
BUG	149.99		PKPbc	22:47:22.908	-0.2	15.1		2.44		TAS					m_e
CLL	149.36		PKPbc	22:47:21.435	0.1	15.1		2.44		TAS					m_e
CLZ	149.27		PKPbc	22:47:21.698	0.6	15.1		2.44		TAS					m_e
FLT1	148.67		PKPbc	22:47:19.594	-0.0	15.1		2.44		TAS					m_e
GEC2	151.55		PKPbc	22:47:26.432	-0.3	15.1		2.44		TAS					m_e
GOR1	148.02		PKPbc	22:47:18.279	0.2	15.1		2.44		TAS					m_e
GRA1	151.23		PKPbc	22:47:25.959	0.1	15.1		2.44		TAS					m_e
GTTG	149.61		PKPbc	22:47:22.224	0.3	15.1		2.44		TAS					m_e
HLG	147.22		PKPbc	22:47:16.385	-0.0	15.1		2.44		TAS					m_e
IBBN	149.09		PKPbc	22:47:20.961	0.1	15.1		2.44		TAS					m_e
KAST	150.13		PKPbc	22:47:23.486	0.2	15.1		2.44		TAS					m_e
MOX	150.24		PKPbc	22:47:23.644	0.2	15.1		2.44		TAS					m_e
NEUB	149.69		PKPbc	22:47:22.329	0.2	15.1		2.44		TAS					m_e
PLN	150.30		PKPbc	22:47:23.802	0.2	15.1		2.44		TAS					m_e
RETH	148.51		PKPbc	22:47:19.225	-0.1	15.1		2.44		TAS					m_e
RGN	146.20		PKPbc	22:47:12.650	-0.9	15.1		2.44		TAS					m_e
RUE	148.10		PKPbc	22:47:18.279	0.0	15.1		2.44		TAS					m_e
TANN	150.31		PKPbc	22:47:23.960	0.3	15.1		2.44		TAS					m_e
TNS	151.09		PKPbc	22:47:25.853	0.2	15.1		2.44		TAS					m_e
UBR	153.36		PKPbc	22:47:30.693		15.1		2.44		TAS					m_e

WET	151.44	PKPbc	22:47:26.169	-0.2	15.1	2.44	TAS	m_e
WLF	151.83	PKPbc	22:47:27.852	0.1	15.1	2.44	TAS	m_e

Event 10426001 Central Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/25	23:50:52.16			-12.2500	-71.9600				33.0			18		91.73	96.86	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	10426007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.54		P	00:04:00.202	0.1	256.9		4.57		TAS		16.7	0.95	m_e mb	5.4
ASSE	95.13		P	00:04:12.521	0.3	256.9		4.57		TAS		20.6	1.38	m_e mb	5.4
BRG	96.86		P	00:04:19.940	0.3	256.9		4.57		TAS		10.5	1.09	m_e mb	5.4
BSEG	95.33		P	00:04:12.847	-0.2	256.9		4.57		TAS		11.1	1.01	m_e mb	5.2
CLZ	94.88		P	00:04:11.222	0.2	256.9		4.57		TAS		23.0	1.19	m_e mb	5.5
FLT1	95.51		P	00:04:13.484	0.4	256.9		4.57		TAS		5.3	0.91	m_e mb	5.0
GEC2	96.32		P	00:04:17.174		256.9		4.57		TAS		9.0	1.14	m_e mb	5.2
GTTG	94.56		P	00:04:09.767	-0.1	256.9		4.57		TAS		26.1	1.29	m_e mb	5.5
IBBN	93.43		P	00:04:04.075	-0.4	256.9		4.57		TAS		22.9	1.09	m_e mb	5.5
MOX	95.37		P	00:04:13.186	0.0	256.9		4.57		TAS		4.1	0.98	m_e mb	4.8
PLN	95.67		P	00:04:14.798	-0.1	256.9		4.57		TAS		2.8	1.04	m_e mb	4.7
RETH	94.49		P	00:04:09.306	-0.3	256.9		4.57		TAS		24.8	1.29	m_e mb	5.4
STU	93.41		P	00:04:03.920		256.9		4.57		TAS		49.5	1.04	m_e mb	5.9
TANN	95.85		P	00:04:15.637	-0.3	256.9		4.57		TAS		16.7	1.29	m_e mb	5.4
TNS	93.31		P	00:04:03.761	-0.2	256.9		4.57		TAS		22.0	1.00	m_e mb	5.5
UBR	93.73		P	00:04:05.765		256.9		4.57		TAS		22.1	1.02	m_e mb	5.4
WET	95.85		P	00:04:15.319		256.9		4.57		TAS		20.2	1.43	m_e mb	5.5
WLF	91.73		P	00:03:56.560	0.1	256.9		4.57		TAS		35.5	1.05	m_e mb	5.6

Event 10426002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/26	02:18:08.16			-24.1500	173.4420				33.0			14		148.70	152.99	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
BRG	148.93		PKPbc	02:37:52.600	0.2	35.0		2.47		TAS				m_e	
CLL	148.94		PKPbc	02:37:52.523	0.1	35.0		2.47		TAS				m_e	

./bul2104.txt

Wed Jan 11 09:16:10 2023

51

CLZ	149.40	PKPbc	02:37:54.322	0.0	35.0	2.47	TAS	m_e
FLT1	148.70	PKPbc	02:37:51.875	0.3	35.0	2.47	TAS	m_e
GEC2	150.60	PKPbc	02:37:56.972		35.0	2.47	TAS	m_e
GTTG	149.78	PKPbc	02:37:55.302	-0.1	35.0	2.47	TAS	m_e
IBBN	149.77	PKPbc	02:37:55.135	0.3	35.0	2.47	TAS	m_e
KAST	150.56	PKPbc	02:37:57.037	0.2	35.0	2.47	TAS	m_e
MOX	149.98	PKPbc	02:37:55.412	0.2	35.0	2.47	TAS	m_e
PLN	149.92	PKPbc	02:37:55.349	-0.0	35.0	2.47	TAS	m_e
STU	152.41	PKPbc	02:38:01.438		35.0	2.47	TAS	m_e
TANN	149.86	PKPbc	02:37:55.273	0.1	35.0	2.47	TAS	m_e
UBR	152.99	PKPbc	02:38:02.438		35.0	2.47	TAS	m_e
WET	150.71	PKPbc	02:37:57.403	-0.3	35.0	2.47	TAS	m_e

Event 10427001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/27	00:22:06.73			-20.6340	-176.2300				33.0				14	146.29	152.03	m i ke	BGR
OrigID 10427007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.03		PKPbc	00:41:59.075		14.2		2.53		TAS					m_e
BRG	148.69		PKPbc	00:41:50.924	-0.3	14.2		2.53		TAS					m_e
BSEG	146.29		PKPbc	00:41:44.501	-0.0	14.2		2.53		TAS					m_e
CLL	148.46		PKPbc	00:41:50.275	0.2	14.2		2.53		TAS					m_e
CLZ	148.34		PKPbc	00:41:50.413	-0.0	14.2		2.53		TAS					m_e
FLT1	147.75		PKPbc	00:41:48.187	0.1	14.2		2.53		TAS					m_e
GEC2	150.67		PKPbc	00:41:55.620		14.2		2.53		TAS					m_e
GOR1	147.10		PKPbc	00:41:46.803	-0.3	14.2		2.53		TAS					m_e
KAST	149.19		PKPbc	00:41:52.394	0.2	14.2		2.53		TAS					m_e
MOX	149.33		PKPbc	00:41:52.622		14.2		2.53		TAS					m_e
NEUB	148.78		PKPbc	00:41:51.220	-0.4	14.2		2.53		TAS					m_e
PLN	149.40		PKPbc	00:41:52.906		14.2		2.53		TAS					m_e
TANN	149.41		PKPbc	00:41:52.944		14.2		2.53		TAS					m_e
TNS	150.15		PKPbc	00:41:54.876		14.2		2.53		TAS					m_e

Event 10427002 Equatorial Guinea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/27	00:41:16.26			1.1200	10.1500				33.0				8	46.40	49.38	m i ke	BGR
OrigID 10427008																	

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10427008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	47.07		P	00:49:45.345		180.7		7.73		TAS		11.4	0.71	m_e mb	5.1
GEC2	47.66		P	00:49:49.763		180.7		7.73		TAS		3.7	0.65	m_e mb	4.7
GRA1	48.42		P	00:49:55.413	0.3	180.7		7.73		TAS		10.3	0.78	m_e mb	5.0
MOX	49.38		P	00:50:02.465	-0.2	180.7		7.73		TAS		5.6	0.69	m_e mb	4.7
TNS	48.96		P	00:49:59.449	0.4	180.7		7.73		TAS		12.1	0.69	m_e mb	5.0
UBR	46.40		P	00:49:39.185		180.7		7.73		TAS		7.3	0.74	m_e mb	4.8
WET	47.92		P	00:49:51.845	-0.7	180.7		7.73		TAS		11.2	0.61	m_e mb	5.2
WLF	48.50		P	00:49:56.263	0.4	180.7		7.73		TAS		15.3	0.80	m_e mb	5.2

Event 10427009 Southern Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/27	17:54:34.95			61.5040	-150.0970				33.0			12		64.82	69.89	m i ke	BGR

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 10427015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	65.57		P	18:05:14.426	0.4	350.5		6.30		TAS		7.2	0.77	m_e mb	5.0
BFO	69.03		P	18:05:36.251		350.5		6.30		TAS		7.4	0.79	m_e mb	5.0
BRG	67.13		P	18:05:24.399	0.1	350.5		6.30		TAS		15.7	0.79	m_e mb	5.3
CLL	66.61		P	18:05:20.938	0.1	350.5		6.30		TAS		14.3	0.78	m_e mb	5.3
CLZ	65.81		P	18:05:16.639	-0.3	350.5		6.30		TAS		24.9	0.85	m_e mb	5.5
GEC2	69.11		P	18:05:37.134		350.5		6.30		TAS		7.9	0.74	m_e mb	5.0
KAST	66.22		P	18:05:18.802	-0.1	350.5		6.30		TAS		6.8	0.95	m_e mb	4.9
MOX	67.13		P	18:05:24.648	0.2	350.5		6.30		TAS		19.3	0.72	m_e mb	5.4
RETH	64.82		P	18:05:09.808	-0.2	350.5		6.30		TAS				m_e	
TANN	67.44		P	18:05:26.651	0.1	350.5		6.30		TAS		9.3	0.83	m_e mb	5.0
TNS	67.19		P	18:05:25.061	-0.2	350.5		6.30		TAS		6.4	0.66	m_e mb	5.0
UBR	69.89		P	18:05:41.787		350.5		6.30		TAS		14.7	0.75	m_e mb	5.2

Event 10428001 Northeastern India

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/28	02:21:24.04			26.2010	92.3730				49.0	0.3		24		62.84	68.11	m i ke	BGR

Magnitude Err Nsta Author OrigID

BSEG	154.93	PKPab	03:17:40.293	0.2	19.3	4.31	TAS	m_e
CLL	156.93	PKPab	03:17:49.679	0.1	19.3	4.31	TAS	m_e
CLZ	156.94	PKPab	03:17:50.085	1.1	19.3	4.31	TAS	m_e
FLT1	156.32	PKPab	03:17:46.672	0.2	19.3	4.31	TAS	m_e
GEC2	159.01	PKPab	03:17:59.009		19.3	4.31	TAS	m_e
GRA1	158.84	PKPab	03:17:58.592		19.3	4.31	TAS	m_e
GTTG	157.30	PKPab	03:17:51.321	0.9	19.3	4.31	TAS	m_e
IBBN	156.84	PKPab	03:17:46.215	-1.9	19.3	4.31	TAS	m_e
NEUB	157.30	PKPab	03:17:51.089	-0.7	19.3	4.31	TAS	m_e
PLN	157.89	PKPab	03:17:53.856	-0.1	19.3	4.31	TAS	m_e
TANN	157.88	PKPab	03:17:53.831	0.9	19.3	4.31	TAS	m_e
WET	158.96	PKPab	03:17:59.303		19.3	4.31	TAS	m_e

Event 10428013 Northeastern India

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/28	19:50:44.89			25.3640	93.0120				43.9	0.3		8		63.98	67.05	m i ke	BGR
OrigID 10428019																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	10428019
Ms	3.5		BGR	10428019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	63.98		P	20:01:14.234	-0.1	78.7		6.45		TAS		5.3	0.60	m_e	mb 5.0
CLZ	66.01		P	20:01:27.734	-0.2	78.7		6.45		TAS		7.1	0.71	m_e	mb 5.0
CLZ	66.01		pP	20:01:40.163						T__					m_e
GEC2	64.47		P	20:01:17.809		78.7		6.45		TAS		9.6	0.61	m_e	mb 5.2
GRA1	65.91		L	20:32:24.955						T__		29.3	20.70	a_e	Ms 3.5
MOX	65.47		P	20:01:24.041	-0.2	78.7		6.45		TAS		1.8	0.73	m_e	mb 4.4
MOX	65.47		L	20:31:48.039						T__		42.8	20.70	a_e	Ms 3.6
PLN	65.16		P	20:01:21.906	0.1	78.7		6.45		TAS		1.1	0.61	m_e	mb 4.2
TANN	64.99		P	20:01:20.900	0.2	78.7		6.45		TAS		2.4	0.67	m_e	mb 4.5
UBR	67.05		P	20:01:34.046		78.7		6.45		TAS		4.9	0.57	m_e	mb 4.9
UBR	67.05		pP	20:01:46.294						T__					m_e
WET	64.95		P	20:01:20.821		78.7		6.45		TAS		4.4	0.66	m_e	mb 4.8
WET	64.95		pP	20:01:33.183						T__					m_e

Event 10429002 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
2021/04/29	03:58:45.80			-37.7200	179.6600				10.0			15		162.14	167.61	m i ke	EMSC
OrigID 10429034																	

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	04:19:38.456	-0.1	39.2		4.47		TAS					m_e	
BFO	167.61		PKPab	04:19:56.219		39.2		4.47		TAS					m_e	
BRG	163.35		PKPab	04:19:37.208		39.2		4.47		TAS					m_e	
BSEG	162.14		PKPab	04:19:32.310	-0.3	39.2		4.47		TAS					m_e	
CLZ	163.94		PKPab	04:19:40.327	0.2	39.2		4.47		TAS					m_e	
FLT1	163.24		PKPab	04:19:36.501	0.4	39.2		4.47		TAS					m_e	
GEC2	164.91		PKPab	04:19:44.186		39.2		4.47		TAS					m_e	
GOR1	162.66		PKPab	04:19:34.722	-0.7	39.2		4.47		TAS					m_e	
GRA1	165.39		PKPab	04:19:46.788		39.2		4.47		TAS					m_e	
GTTG	164.32		PKPab	04:19:42.033	0.2	39.2		4.47		TAS					m_e	
IBBN	164.28		PKPab	04:19:41.624	0.4	39.2		4.47		TAS					m_e	
MOX	164.48		PKPab	04:19:42.395		39.2		4.47		TAS					m_e	
PLN	164.39		PKPab	04:19:42.041		39.2		4.47		TAS					m_e	
RETH	163.47		PKPab	04:19:37.919	-0.2	39.2		4.47		TAS					m_e	
TANN	164.32		PKPab	04:19:41.370		39.2		4.47		TAS					m_e	

Event 10429008 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2021/04/29	10:30:24.95			44.3720	-130.5050				33.0			16		77.09	81.90	m i ke	BGR
10429014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	10429014
Ms	4.6		BGR	10429014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	78.10		P	10:42:19.705	-0.3	333.3		5.38		TAS		112.3	1.96	m_e	mb 5.7
BFO	80.75		P	10:42:33.562		333.3		5.38		TAS		34.1	1.46	m_e	mb 5.2
BRG	80.12		P	10:42:30.696	-0.2	333.3		5.38		TAS		115.7	2.17	m_e	mb 5.4
CLL	79.48		P	10:42:26.729	0.4	333.3		5.38		TAS		19.1	1.14	m_e	mb 4.9
CLZ	78.27		P	10:42:20.933	-0.1	333.3		5.38		TAS		64.8	1.50	m_e	mb 5.5
FLT1	78.07		P	10:42:18.841	-0.2	333.3		5.38		TAS		48.2	1.54	m_e	mb 5.4
GEC2	81.90		P	10:42:39.964		333.3		5.38		TAS		43.4	1.99	m_e	mb 5.2
GOR1	77.50		P	10:42:16.638	0.1	333.3		5.38		TAS		106.2	1.75	m_e	mb 5.7
GRA1	80.43		P	10:42:32.476		333.3		5.38		TAS		272.7	2.58	m_e	mb 5.8
GRA1	80.43		L	11:17:28.202						T__		226.4	20.40	a_e	Ms 4.5
IBBN	77.09		P	10:42:13.985	0.3	333.3		5.38		TAS		41.3	1.07	m_e	mb 5.5
MOX	79.69		P	10:42:27.900		333.3		5.38		TAS		70.0	2.10	m_e	mb 5.2
MOX	79.69		L	11:22:01.235						T__		274.5	18.60	a_e	Ms 4.6
PLN	79.98		P	10:42:29.392		333.3		5.38		TAS		3.6	1.21	m_e	mb 4.2
TANN	80.13		P	10:42:30.416		333.3		5.38		TAS		51.2	1.99	m_e	mb 5.1

TNS	79.13	P	10:42:25.094	333.3	5.38	TAS	105.3	2.15	m_e	mb	5.5
WET	81.39	P	10:42:37.518	333.3	5.38	TAS	19.6	1.58	m_e	mb	5.0
WLF	78.89	P	10:42:23.883	333.3	5.38	TAS	62.4	1.54	m_e	mb	5.4

Event 10429009 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/29	10:35:47.25			44.1330	-130.2030				24.0	0.3		17		76.53	82.03	m i ke	BGR
OrigID 10429015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	10429015
Ms	4.6		BGR	10429015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	78.23	P		10:47:43.605	0.3	333.0		5.37		TAS		66.1	1.84	m_e	mb	5.5
BFO	80.87	P		10:47:57.386		333.0		5.37		TAS		25.4	1.27	m_e	mb	5.1
BRG	80.26	P		10:47:54.447	-0.0	333.0		5.37		TAS		18.2	1.28	m_e	mb	4.8
BSEG	76.53	P		10:47:33.825	0.2	333.0		5.37		TAS		21.0	1.21	m_e	mb	5.1
CLL	79.61	P		10:47:50.496	-0.1	333.0		5.37		TAS		8.6	0.91	m_e	mb	4.7
CLL	79.61	pP		10:47:57.503						T__				m_e		
CLZ	78.40	P		10:47:44.551	0.0	333.0		5.37		TAS		48.4	1.75	m_e	mb	5.2
FLT1	78.21	P		10:47:42.525	-0.2	333.0		5.37		TAS		21.2	1.20	m_e	mb	5.2
GEC2	82.03	P		10:48:03.686		333.0		5.37		TAS		14.1	1.55	m_e	mb	4.9
GOR1	77.64	P		10:47:40.453	-0.1	333.0		5.37		TAS		54.3	1.68	m_e	mb	5.4
GRA1	80.56	L		11:17:28.239						T__		226.3	20.40	a_e	Ms	4.5
IBBN	77.22	P		10:47:37.691	0.4	333.0		5.37		TAS		154.0	1.98	m_e	mb	5.8
IBBN	77.22	pP		10:47:44.571						T__				m_e		
MOX	79.82	P		10:47:51.847	-0.0	333.0		5.37		TAS		28.5	1.58	m_e	mb	5.0
MOX	79.82	L		11:22:01.217						T__		274.5	18.60	a_e	Ms	4.6
PLN	80.12	P		10:47:53.128		333.0		5.37		TAS		9.2	1.92	m_e	mb	4.4
PLN	80.12	pP		10:48:00.036						T__				m_e		
RETH	77.31	P		10:47:38.607	-0.6	333.0		5.37		TAS		43.0	1.54	m_e	mb	5.3
TANN	80.27	P		10:47:54.321		333.0		5.37		TAS		29.0	2.23	m_e	mb	4.8
TANN	80.27	pP		10:48:01.255						T__				m_e		
TNS	79.25	P		10:47:48.604		333.0		5.37		TAS		33.1	1.55	m_e	mb	5.1
WET	81.53	P		10:48:01.002		333.0		5.37		TAS		5.9	1.11	m_e	mb	4.6
WLF	79.00	P		10:47:47.463		333.0		5.37		TAS		86.0	2.16	m_e	mb	5.4

Event 10429010 Off coast of Oregon, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/29	10:58:34.72			44.2130	-131.3560				33.0			21		76.77	82.29	m i ke	BGR
OrigID																	

10429016

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 10429016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.83		P	11:10:33.308	-0.2	333.8		5.35		TAS		98.6	1.30	m_e	mb 5.7
ASSE	78.48		P	11:10:31.705	1.6	333.8		5.35		TAS		151.1	1.47	m_e	mb 5.8
BFO	81.16		P	11:10:45.666		333.8		5.35		TAS		119.3	1.40	m_e	mb 5.7
BRG	80.50		P	11:10:42.645	-0.1	333.8		5.35		TAS		120.9	1.37	m_e	mb 5.8
BSEG	76.77		P	11:10:22.360	0.0	333.8		5.35		TAS		82.9	1.23	m_e	mb 5.7
CLL	79.85		P	11:10:38.960	-0.2	333.8		5.35		TAS		101.2	1.41	m_e	mb 5.5
CLZ	78.65		P	11:10:32.908	0.3	333.8		5.35		TAS		151.0	1.34	m_e	mb 5.8
FLT1	78.45		P	11:10:30.935	0.0	333.8		5.35		TAS		137.9	1.35	m_e	mb 5.8
GEC2	82.28		P	11:10:51.932		333.8		5.35		TAS		52.2	1.39	m_e	mb 5.5
GOR1	77.88		P	11:10:28.517	-0.5	333.8		5.35		TAS		181.5	1.47	m_e	mb 6.0
GRA1	80.82		P	11:10:44.347		333.8		5.35		TAS		159.5	1.43	m_e	mb 5.8
IBBN	77.49		P	11:10:25.768	0.4	333.8		5.35		TAS		261.2	1.40	m_e	mb 6.2
KAST	78.65		P	11:10:34.123	0.1	333.8		5.35		TAS		42.3	1.33	m_e	mb 5.3
MOX	80.07		P	11:10:39.649	0.2	333.8		5.35		TAS		80.9	1.41	m_e	mb 5.5
PLN	80.37		P	11:10:41.488	-0.0	333.8		5.35		TAS		13.8	1.28	m_e	mb 4.7
RETH	77.57		P	11:10:26.758	-0.5	333.8		5.35		TAS		144.7	1.40	m_e	mb 5.9
TANN	80.51		P	11:10:42.588	-0.3	333.8		5.35		TAS		41.9	1.40	m_e	mb 5.3
TNS	79.53		P	11:10:36.871	0.3	333.8		5.35		TAS		95.5	1.38	m_e	mb 5.5
UBR	82.29		P	11:10:52.262		333.8		5.35		TAS		83.4	1.49	m_e	mb 5.7
WET	81.78		P	11:10:49.074		333.8		5.35		TAS		37.9	1.32	m_e	mb 5.4
WLF	79.30		P	11:10:35.882		333.8		5.35		TAS		114.7	1.42	m_e	mb 5.7

Event 10430004 Northern Sumatera, Indonesia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2021/04/30 16:43:18.02 4.1890 95.0410 33.0 14 81.16 85.51 m i ke BGR
 10430010

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 10430010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.51		P	16:55:52.957		92.0		5.18		TAS		7.0	0.83	m_e	mb 4.9
ASSE	83.26		P	16:55:41.130	-0.3	92.0		5.18		TAS		5.0	0.87	m_e	mb 4.8
BFO	84.72		P	16:55:49.125	0.3	92.0		5.18		TAS		6.1	0.75	m_e	mb 4.9
BRG	81.16		P	16:55:30.411	-0.1	92.0		5.18		TAS		6.5	0.74	m_e	mb 4.7
BSEG	83.53		P	16:55:42.716	-0.0	92.0		5.18		TAS		14.0	0.76	m_e	mb 5.3
BUG	85.37		P	16:55:52.230	-0.1	92.0		5.18		TAS		12.4	0.79	m_e	mb 5.2
CLL	81.78		P	16:55:33.329	-0.4	92.0		5.18		TAS		4.6	0.85	m_e	mb 4.6
CLZ	83.44		P	16:55:41.888	0.5	92.0		5.18		TAS		10.5	0.80	m_e	mb 5.1

FLT1	82.92	P	16:55:39.037	-0.6	92.0	5.18	TAS	4.3	0.80	m_e	mb	4.7
FUR	82.75	P	16:55:38.513	0.3	92.0	5.18	TAS	10.2	0.83	m_e	mb	5.1
GEC2	81.18	P	16:55:30.982		92.0	5.18	TAS	17.3	0.76	m_e	mb	5.2
GRA1	82.84	P	16:55:39.354		92.0	5.18	TAS	13.0	0.88	m_e	mb	5.2
IBBN	85.05	P	16:55:50.478	0.1	92.0	5.18	TAS	10.6	0.75	m_e	mb	5.2
KAST	84.65	P	16:55:48.410	0.3	92.0	5.18	TAS	3.8	0.77	m_e	mb	4.7
MOX	82.62	P	16:55:38.233		92.0	5.18	TAS	4.7	0.68	m_e	mb	4.8
NEUB	82.54	P	16:55:37.578	-0.1	92.0	5.18	TAS	11.4	0.84	m_e	mb	5.1
RGN	81.80	P	16:55:33.610	0.3	92.0	5.18	TAS	47.6	0.78	m_e	mb	5.7
RUE	81.37	P	16:55:31.743	0.1	92.0	5.18	TAS	42.3	0.66	m_e	mb	5.6
TANN	82.07	P	16:55:35.397		92.0	5.18	TAS	2.5	0.77	m_e	mb	4.4
TNS	84.63	P	16:55:48.703		92.0	5.18	TAS	7.8	0.74	m_e	mb	5.0
UBR	83.53	P	16:55:42.589		92.0	5.18	TAS	7.2	0.67	m_e	mb	5.0
WET	81.73	P	16:55:33.645		92.0	5.18	TAS	8.1	0.77	m_e	mb	4.9

Event 10430003 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/30	16:43:21.20		4.5470	94.4740				33.0				17		80.52	84.87	m i ke	BGR
OrigID 10430009																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 10430009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.87		P	16:55:53.238		92.2		5.23		TAS				m_e	
ASSE	82.63		P	16:55:41.629	0.0	92.2		5.23		TAS		2.6	0.71	m_e	
ASSE	82.63		P	16:55:41.470	0.0	92.2		5.23		TAS		5.0	0.87	m_e	mb 4.8
BFO	84.08		P	16:55:48.918		92.2		5.23		TAS		5.7	1.02	m_e	
BFO	84.08		P	16:55:49.036		92.2		5.23		TAS				m_e	
BRG	80.52		P	16:55:30.150	0.1	92.2		5.23		TAS		14.3	1.64	m_e	
BRG	80.52		P	16:55:30.514	0.1	92.2		5.23		TAS		6.5	0.74	m_e	mb 4.7
BSEG	82.91		P	16:55:43.857	-0.1	92.2		5.23		TAS		9.7	0.67	m_e	
BSEG	82.91		P	16:55:43.029	-0.1	92.2		5.23		TAS		14.0	0.76	m_e	mb 5.3
BUG	84.73		P	16:55:52.568		92.2		5.23		TAS				m_e	
CLL	81.14		P	16:55:33.327	-0.2	92.2		5.23		TAS		4.3	0.97	m_e	
CLL	81.14		P	16:55:33.666	-0.2	92.2		5.23		TAS		4.6	0.85	m_e	mb 4.5
CLZ	82.81		P	16:55:42.344	-0.1	92.2		5.23		TAS		3.2	0.73	m_e	
CLZ	82.81		P	16:55:42.520	-0.1	92.2		5.23		TAS		10.5	0.80	m_e	mb 5.1
FLT1	82.29		P	16:55:39.635	-0.0	92.2		5.23		TAS		4.3	0.80	m_e	mb 4.6
FUR	82.11		P	16:55:38.781	-0.0	92.2		5.23		TAS		10.2	0.83	m_e	mb 5.0
GEC2	80.53		P	16:55:30.594	0.2	92.2		5.23		TAS		8.7	0.81	m_e	
GEC2	80.53		P	16:55:30.647	0.2	92.2		5.23		TAS		17.3	0.76	m_e	mb 5.2
GRA1	82.20		P	16:55:39.367	0.1	92.2		5.23		TAS				m_e	
GRA1	82.20		P	16:55:39.203	-0.0	92.2		5.23		TAS		13.0	0.88	m_e	mb 5.1
GTTG	83.05		P	16:55:43.925	0.1	92.2		5.23		TAS		4.6	0.73	m_e	mb 4.8

./bul2104.txt

Wed Jan 11 09:16:10 2023

59

IBBN	84.42	P	16:55:50.944	92.2	5.23	TAS				m_e			
KAST	84.02	P	16:55:48.398	92.2	5.23	TAS	7.3	1.49		m_e			
KAST	84.02	P	16:55:48.917	92.2	5.23	TAS	3.8	0.77		m_e mb		4.7	
MOX	81.98	P	16:55:37.621	-0.0	92.2	5.23	TAS	1.8	0.63		m_e		
MOX	81.98	P	16:55:38.136	-0.0	92.2	5.23	TAS	4.7	0.68		m_e mb		4.7
NEUB	81.91	P	16:55:37.679	-0.0	92.2	5.23	TAS	11.4	0.84		m_e mb		5.0
RGN	81.18	P	16:55:33.765	-0.0	92.2	5.23	TAS	47.6	0.78		m_e mb		5.6
RUE	80.75	P	16:55:31.642	0.1	92.2	5.23	TAS	42.3	0.66		m_e mb		5.6
STU	83.51	P	16:55:46.196	0.7	92.2	5.23	TAS	20.9	0.73		m_e mb		5.5
TANN	81.43	P	16:55:35.221	-0.0	92.2	5.23	TAS	2.5	0.77		m_e mb		4.3
TNS	84.00	P	16:55:48.824		92.2	5.23	TAS	5.5	0.64		m_e		
TNS	84.00	P	16:55:48.749		92.2	5.23	TAS				m_e		
UBR	82.88	P	16:55:42.816	0.1	92.2	5.23	TAS	7.2	0.67		m_e mb		5.0
WET	81.09	P	16:55:33.667	0.2	92.2	5.23	TAS	5.3	0.75		m_e		
WET	81.09	P	16:55:33.549	0.2	92.2	5.23	TAS	7.4	0.85		m_e mb		4.7

Event 10430005 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2021/04/30	20:05:00.66			70.7280	-7.7990				10.0					22.88	22.88	m i ke	BGR
10430011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	10430011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	22.88		P	20:10:01.278		343.0		9.42		TAS		6.0	0.91	m_e mb	4.1