

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

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

November 2022

UPDATED 18.December 2023

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

Event 21101003 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/01	08:30:10.86			24.0470	122.7130				126.9			13		81.17	87.51	m i ke	BGR
OrigID 21101009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	21101009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	82.64		P	08:42:20.360	-0.6	59.6		4.86		TAS		9.1	1.12	m_e mb	4.9
BSEG	83.00		P	08:42:21.303	-0.1	59.6		4.86		TAS		23.3	1.28	m_e mb	5.3
BUG	85.91		P	08:42:35.574		59.6		4.86		TAS		49.0	1.34	m_e mb	5.5
CLL	82.94		P	08:42:22.453	-1.0	59.6		4.86		TAS		6.9	0.89	m_e mb	4.9
CLL	82.94		pP	08:42:52.486	0.3	60.0		6.15		TAS				m_e	
CLZ	84.07		P	08:42:26.898		59.6		4.86		TAS		11.6	1.19	m_e mb	5.0
CLZ	84.07		pP	08:42:59.828		60.0		6.15		TAS				m_e	
FLT1	83.37		pP	08:42:55.066		60.0		6.15		TAS				m_e	
FUR	85.52		P	08:42:34.064		59.6		4.86		TAS		24.8	0.89	m_e mb	5.3
GEC2	83.78		P	08:42:24.248	0.0	59.6		4.86		TAS		13.8	1.09	m_e mb	5.1
GRA1	84.75		P	08:42:29.934		59.6		4.86		TAS		17.0	1.13	m_e mb	5.2
MOX	84.04		pP	08:42:58.702		60.0		6.15		TAS				m_e	
RGN	81.17		P	08:42:12.912	-0.0	59.6		4.86		TAS		162.1	1.16	m_e mb	6.0
TNS	85.97		P	08:42:36.181		59.6		4.86		TAS		14.5	1.24	m_e mb	5.0
UBR	86.44		P	08:42:37.860		59.6		4.86		TAS		20.9	1.19	m_e mb	5.2
WET	84.10		P	08:42:26.837		59.6		4.86		TAS		8.5	1.27	m_e mb	4.8
WET	84.10		pP	08:42:59.354		60.0		6.15		TAS				m_e	
WLF	87.51		P	08:42:44.253		59.6		4.86		TAS		26.9	1.09	m_e mb	5.5

Event 21102002 North Pacific Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/02	04:53:13.00			31.5040	-133.3510				10.0			29		89.17	94.65	m i ke	USGS
OrigID 21102020																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	21102008
Ms	5.6		BGR	21102008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	91.02		P	05:06:18.318	0.0	330.3		4.66		TAS		55.1	1.57	a_e	mb	5.6
ASSE	90.84		P	05:06:17.368	0.3	330.3		4.66		TAS		138.2	1.46	a_e	mb	6.1
BFO	93.33		P	05:06:28.968	-0.1	330.3		4.66		TAS		28.4	1.66	a_e	mb	5.4
BRG	92.93		P	05:06:26.768	0.2	330.3		4.66		TAS		54.6	1.54	a_e	mb	5.8
BSEG	89.17		P	05:06:09.618	0.5	330.3		4.66		TAS		68.7	1.14	a_e	mb	5.8
BUG	90.33		P	05:06:14.518	-0.5	330.3		4.66		TAS		86.4	1.63	a_e	mb	5.7
CLL	92.26		P	05:06:23.368	-0.2	330.3		4.66		TAS		52.5	1.16	a_e	mb	5.8
CLZ	91.00		P	05:06:18.418	0.6	330.3		4.66		TAS		104.4	1.51	a_e	mb	5.9
FLT1	90.84		P	05:06:16.818	-0.2	330.3		4.66		TAS		142.0	1.76	a_e	mb	6.0
FUR	94.48		P	05:06:34.268	0.0	330.3		4.66		TAS		65.3	1.07	a_e	mb	6.0
GEC2	94.65		P	05:06:34.618	-0.2	330.3		4.66		TAS		37.5	1.53	a_e	mb	5.6
GOR1	90.29		P	05:06:15.118	0.8	330.3		4.66		TAS		213.7	1.63	a_e	mb	6.1
GRA1	93.13		P	05:06:28.168	0.3	330.3		4.66		TAS		103.5	1.43	a_e	mb	6.1
GRA1	93.13		L	05:46:36.218						T__		2110.1	21.80	a_e	Ms	5.6
GTTG	91.12		P	05:06:18.818	0.3	330.3		4.66		TAS		97.8	1.53	a_e	mb	5.9
IBBN	89.76		P	05:06:12.218	-0.0	330.3		4.66		TAS		184.1	1.71	a_e	mb	6.0
KAST	90.92		P	05:06:17.618	-0.0	330.3		4.66		TAS		27.8	1.51	a_e	mb	5.4
MOX	92.42		P	05:06:24.318	-0.1	330.3		4.66		TAS		42.2	1.27	a_e	mb	5.7
MOX	92.42		L	05:47:28.011						T__		2990.1	20.30	a_e	Ms	5.7
NEUB	91.99		P	05:06:22.168	-0.2	330.3		4.66		TAS		66.3	1.14	a_e	mb	5.9
PLN	92.73		P	05:06:25.668	-0.2	330.3		4.66		TAS		11.4	1.19	a_e	mb	5.2
RETH	89.91		P	05:06:12.118	-0.7	330.3		4.66		TAS				a_e		
RGN	89.49		P	05:06:09.518	-0.9	330.3		4.66		TAS		390.4	1.53	a_e	mb	6.4
RUE	91.46		P	05:06:19.568	-0.1	330.3		4.66		TAS		21.3	0.76	a_e	mb	5.5
SCHI	90.43		P	05:06:15.268	0.4	330.3		4.66		TAS		93.6	0.77	a_e	mb	6.2
STU	93.25		P	05:06:28.568	-0.1	330.3		4.66		TAS		35.4	0.95	a_e	mb	5.8
TANN	92.89		P	05:06:26.568	0.0	330.3		4.66		TAS		38.6	1.21	a_e	mb	5.7
TNS	91.76		P	05:06:21.668	0.0	330.3		4.66		TAS		109.5	2.08	a_e	mb	5.8
UBR	94.50		P	05:06:34.518	0.1	330.3		4.66		TAS		73.5	1.63	a_e	mb	5.8
WET	94.13		P	05:06:32.418	0.0	330.3		4.66		TAS		43.6	1.59	a_e	mb	5.5
WLF	91.43		P	05:06:20.772	-4.2	330.3		4.66		TAS		17.1	1.12	m_e	mb	5.3

Event 21103001 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/11/03 20:47:45.00 53.7910 -35.4870 10.0 25 25.72 30.60 m i ke USGS
 21103019

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 21103007
 Ms 5.2 BGR 21103007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	25.99	P		20:53:21.960	1.5	296.3		8.76		TAS		37.4	1.20	m_e	mb 4.9
ASSE	27.45	P		20:53:33.490	1.2	296.3		8.76		TAS		22.2	1.18	m_e	mb 4.8
BFO	27.70	P		20:53:34.547	-0.5	296.3		8.76		TAS		65.0	1.51	m_e	mb 5.2
BRG	29.83	P		20:53:52.949	-0.4	296.3		8.76		TAS		15.1	0.93	m_e	mb 4.8
BSEG	26.62	P		20:53:22.284	-1.2	296.3		8.76		TAS		66.9	1.31	m_e	mb 5.2
BUG	25.75	P		20:53:17.602	-0.6	296.3		8.76		TAS		59.6	1.38	m_e	mb 5.0
CLL	29.11	P		20:53:46.813	-0.1	296.3		8.76		TAS		41.7	1.03	m_e	mb 5.2
CLZ	27.39	P		20:53:31.966	-0.0	296.3		8.76		TAS		42.8	1.08	m_e	mb 5.1
FLT1	27.70	P		20:53:33.955	-0.3	296.3		8.76		TAS		28.1	1.01	m_e	mb 5.0
FUR	29.51	P		20:53:50.898	-0.2	296.3		8.76		TAS		60.7	1.14	m_e	mb 5.3
GEC2	30.60	P		20:54:00.861	0.1	296.3		8.76		TAS		41.7	1.16	m_e	mb 5.2
GOR1	27.50	P		20:53:33.974	2.1	296.3		8.76		TAS		177.2	1.81	m_e	mb 5.6
GRA1	28.77	P		20:53:45.215	0.5	296.3		8.76		TAS		44.3	1.15	m_e	mb 5.2
GRA1	28.77	L		21:04:29.265						T__		5689.6	18.10	a_e	Ms 5.2
GTTG	27.27	P		20:53:31.605	0.5	296.3		8.76		TAS		76.0	0.98	m_e	mb 5.4
IBBN	25.72	P		20:53:16.948	-0.5	296.3		8.76		TAS		102.9	0.93	m_e	mb 5.4
KAST	26.51	P		20:53:23.124	-1.7	296.3		8.76		TAS		38.2	1.15	m_e	mb 5.0
MOX	28.58	P		20:53:42.614	-0.3	296.3		8.76		TAS		15.2	0.92	m_e	mb 4.8
MOX	28.58	L		21:03:46.892						T__		5052.7	21.70	a_e	Ms 5.1
PLN	28.96	P		20:53:46.222	0.0	296.3		8.76		TAS		14.9	1.09	m_e	mb 4.7
RUE	29.08	P		20:53:45.645	-0.0	296.3		8.76		TAS		33.1	0.79	m_e	mb 5.2
STU	28.00	P		20:53:38.000	0.1	296.3		8.76		TAS		23.0	0.88	m_e	mb 5.0
TANN	29.17	P		20:53:47.556	-0.4	296.3		8.76		TAS		31.4	0.92	m_e	mb 5.1
TNS	26.92	P		20:53:28.221	-0.4	296.3		8.76		TAS		51.4	1.23	m_e	mb 5.1
UBR	29.06	P		20:53:46.957	0.1	296.3		8.76		TAS		17.1	0.89	m_e	mb 4.9
WET	29.98	P		20:53:55.447	0.1	296.3		8.76		TAS		14.6	1.09	m_e	mb 4.7
WLF	25.82	P		20:53:19.348	0.6	296.3		8.76		TAS		47.1	1.35	m_e	mb 4.9

Event 21104001 Turkey
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2022/11/04 00:29:21.00 38.3570 27.2180 10.0 16.10 16.10 m i ke USGS
 21104019

Magnitude Err Nsta Author OrigID

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

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GRA1 16.10 P 00:33:12.361 128.7 11.35 TAS m_e

Event 21104002 El Salvador

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2022/11/04 04:26:07.40 13.0250 -89.8150 47.0 87.17 87.17 m i ke BGR
21104008

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 21104008
Ms 5.3 BGR 21104008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 87.17 S 04:49:38.146 T__ m_e
GRA1 87.17 SS 04:55:36.228 T__ m_e
GRA1 87.17 P 04:38:48.015 278.3 5.41 TAS 20.5 1.15 m_e mb 5.2
GRA1 87.17 pP 04:39:01.723 T__ m_e
GRA1 87.17 PP 04:42:19.799 T__ m_e
GRA1 87.17 L 05:15:00.085 T__ 1349.9 21.80 a_e Ms 5.3

Event 21104004 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2022/11/04 07:35:01.35 -21.0400 -179.1800 564.9 19 146.29 152.30 m i ke BGR
21104010

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
ASSE 147.96 PKPbc 07:53:43.269 0.2 17.9 2.36 TAS m_e
BFO 152.03 PKPbc 07:53:52.732 17.9 2.36 TAS m_e
BRG 148.42 PKPbc 07:53:44.789 -0.3 17.9 2.36 TAS m_e
BRG 148.42 PKPab 07:53:49.914 20.1 4.43 TAS m_e
BSEG 146.29 PKPbc 07:53:38.946 -0.1 17.9 2.36 TAS m_e
CLL 148.25 PKPbc 07:53:44.060 0.2 17.9 2.36 TAS m_e
CLZ 148.28 PKPbc 07:53:44.437 0.2 17.9 2.36 TAS m_e
CLZ 148.28 PKPab 07:53:49.414 20.1 4.43 TAS m_e
FLT1 147.66 PKPbc 07:53:42.320 0.2 17.9 2.36 TAS m_e
FUR 151.58 PKPbc 07:53:51.864 17.9 2.36 TAS m_e
FUR 151.58 PKPab 07:54:03.889 20.1 4.43 TAS m_e
GEC2 150.33 PKPbc 07:53:49.174 17.9 2.36 TAS m_e
GEC2 150.33 pPKPbc 07:55:59.610 20.1 4.43 TAS m_e
GTTG 148.64 PKPbc 07:53:45.157 0.2 17.9 2.36 TAS m_e

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KAST	149.23	PKPbc	07:53:46.487	-0.1	17.9	2.36	TAS	m_e
MOX	149.18	PKPbc	07:53:46.437	-0.3	17.9	2.36	TAS	m_e
NEUB	148.63	PKPbc	07:53:45.084	0.0	17.9	2.36	TAS	m_e
PLN	149.21	PKPbc	07:53:46.587		17.9	2.36	TAS	m_e
STU	151.44	PKPbc	07:53:51.646		17.9	2.36	TAS	m_e
TANN	149.20	PKPbc	07:53:46.637		17.9	2.36	TAS	m_e
TANN	149.20	PKPab	07:53:53.316		20.1	4.43	TAS	m_e
TNS	150.17	PKPbc	07:53:48.787		17.9	2.36	TAS	m_e
UBR	152.30	PKPbc	07:53:53.337		17.9	2.36	TAS	m_e
WLF	151.03	PKPbc	07:53:51.036		17.9	2.36	TAS	m_e

Event 21104006 Gulf of California, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/04	10:02:56.29			29.1870	-112.5910				14.3					86.89	86.89	m i ke	BGR
OrigID																	
21104012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	21104012
Ms	6.6		BGR	21104012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	86.89		S	10:26:14.904						T__					m_e	
GRA1	86.89		P	10:15:39.890		312.4		4.28		TAS		123.0	1.67	m_e	mb	5.8
GRA1	86.89		pP	10:15:44.052						T__					m_e	
GRA1	86.89		L	10:54:35.871						T__		23863.5	18.20	a_e	Ms	6.6

Event 21105001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/05	00:15:04.15			-21.5400	-177.4400				399.5	8.2		28		147.04	153.13	m i ke	BGR
OrigID																	
21105007																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.75		PKPdf	00:34:04.184	-0.3	17.3		1.56		TAS					m_e
AHRW	150.75		PKPbc	00:34:09.653	-0.1	15.7		2.41		TAS					m_e
AHRW	150.75		pPKPbc	00:35:45.997		8.0		2.37		TAS					m_e
ASSE	148.74		PKPdf	00:34:01.034	0.1	17.3		1.56		TAS					m_e
ASSE	148.74		PKPbc	00:34:04.759	0.4	15.7		2.41		TAS					m_e
ASSE	148.74		PKPab	00:34:09.647	-0.1	14.8		4.30		TAS					m_e
BFO	152.78		PKPbc	00:34:14.093		15.7		2.41		TAS					m_e

BFO	152.78	PKPab	00:34:26.647		14.8	4.30	TAS	m_e
BFO	152.78	pPKPbc	00:35:50.759		8.0	2.37	TAS	m_e
BRG	149.32	PKPdf	00:34:01.996	0.1	17.3	1.56	TAS	m_e
BRG	149.32	PKPbc	00:34:06.323	0.2	15.7	2.41	TAS	m_e
BRG	149.32	PKPab	00:34:12.231	0.3	14.8	4.30	TAS	m_e
BRG	149.32	pPKPbc	00:35:43.435		8.0	2.37	TAS	m_e
BSEG	147.04	PKPdf	00:33:58.291	-0.1	17.3	1.56	TAS	m_e
BSEG	147.04	PKPbc	00:34:00.300	-0.3	15.7	2.41	TAS	m_e
BUG	149.84	PKPdf	00:34:02.604	0.1	17.3	1.56	TAS	m_e
BUG	149.84	PKPbc	00:34:07.340	0.2	15.7	2.41	TAS	m_e
BUG	149.84	PKPab	00:34:14.219	0.2	14.8	4.30	TAS	m_e
CLL	149.11	PKPdf	00:34:01.448	-0.0	17.3	1.56	TAS	m_e
CLL	149.11	PKPbc	00:34:05.697	0.3	15.7	2.41	TAS	m_e
CLL	149.11	PKPab	00:34:11.136	0.1	14.8	4.30	TAS	m_e
CLZ	149.06	PKPdf	00:34:01.718	0.1	17.3	1.56	TAS	m_e
CLZ	149.06	PKPbc	00:34:05.884	0.1	15.7	2.41	TAS	m_e
FLT1	148.46	PKPdf	00:34:00.405	0.0	17.3	1.56	TAS	m_e
FLT1	148.46	PKPbc	00:34:03.820	-0.1	15.7	2.41	TAS	m_e
FLT1	148.46	PKPab	00:34:08.243	-0.2	14.8	4.30	TAS	m_e
FUR	152.45	PKPdf	00:34:06.586		17.3	1.56	TAS	m_e
FUR	152.45	PKPbc	00:34:13.452		15.7	2.41	TAS	m_e
FUR	152.45	PKPab	00:34:25.685		14.8	4.30	TAS	m_e
GEC2	151.26	PKPdf	00:34:04.880		17.3	1.56	TAS	m_e
GEC2	151.26	PKPbc	00:34:10.804	-0.2	15.7	2.41	TAS	m_e
GEC2	151.26	PKPab	00:34:20.460		14.8	4.30	TAS	m_e
GEC2	151.26	pPKPbc	00:35:49.358		8.0	2.37	TAS	m_e
GOR1	147.81	PKPbc	00:34:02.436	-0.2	15.7	2.41	TAS	m_e
GRA1	151.00	PKPbc	00:34:10.393	0.4	15.7	2.41	TAS	m_e
GRA1	151.00	PKPab	00:34:19.488		14.8	4.30	TAS	m_e
GTTG	149.41	PKPdf	00:34:02.088	0.1	17.3	1.56	TAS	m_e
GTTG	149.41	PKPbc	00:34:06.636	-0.2	15.7	2.41	TAS	m_e
GTTG	149.41	PKPab	00:34:12.105	0.1	14.8	4.30	TAS	m_e
HLG	147.07	PKPbc	00:34:00.613	-0.2	15.7	2.41	TAS	m_e
IBBN	148.94	PKPdf	00:34:01.332	-0.3	17.3	1.56	TAS	m_e
IBBN	148.94	PKPbc	00:34:05.281	0.1	15.7	2.41	TAS	m_e
KAST	149.95	PKPdf	00:34:03.075	0.1	17.3	1.56	TAS	m_e
KAST	149.95	PKPbc	00:34:07.887	0.2	15.7	2.41	TAS	m_e
KAST	149.95	PKPab	00:34:14.539	-0.0	14.8	4.30	TAS	m_e
KAST	149.95	pPKPbc	00:35:44.070		8.0	2.37	TAS	m_e
MOX	150.01	PKPdf	00:34:02.909	-0.1	17.3	1.56	TAS	m_e
MOX	150.01	PKPbc	00:34:07.952	0.3	15.7	2.41	TAS	m_e
MOX	150.01	PKPab	00:34:14.839	0.2	14.8	4.30	TAS	m_e
MOX	150.01	pPKPbc	00:35:45.267		8.0	2.37	TAS	m_e
NEUB	149.46	PKPdf	00:34:02.173	-0.1	17.3	1.56	TAS	m_e
NEUB	149.46	PKPbc	00:34:06.650	0.2	15.7	2.41	TAS	m_e
NEUB	149.46	PKPab	00:34:12.598	-0.3	14.8	4.30	TAS	m_e
PLN	150.06	PKPdf	00:34:03.125	0.5	17.3	1.56	TAS	m_e
PLN	150.06	PKPbc	00:34:08.119	-0.1	15.7	2.41	TAS	m_e
PLN	150.06	PKPab	00:34:15.266	-0.2	14.8	4.30	TAS	m_e

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RUE	147.85	PKPbc	00:34:02.380	-0.2	15.7	2.41	TAS	m_e
SCHI	147.21	PKPbc	00:34:00.797	-0.0	15.7	2.41	TAS	m_e
STU	152.23	PKPdf	00:34:06.566		17.3	1.56	TAS	m_e
STU	152.23	PKPbc	00:34:13.141	-0.5	15.7	2.41	TAS	m_e
STU	152.23	PKPab	00:34:24.375		14.8	4.30	TAS	m_e
STU	152.23	pPKPbc	00:35:48.683		8.0	2.37	TAS	m_e
TANN	150.07	PKPdf	00:34:03.149	0.1	17.3	1.56	TAS	m_e
TANN	150.07	PKPbc	00:34:08.200	0.2	15.7	2.41	TAS	m_e
TANN	150.07	PKPab	00:34:15.270		14.8	4.30	TAS	m_e
TNS	150.91	PKPdf	00:34:04.586		17.3	1.56	TAS	m_e
TNS	150.91	PKPbc	00:34:10.234	-0.2	15.7	2.41	TAS	m_e
TNS	150.91	PKPab	00:34:18.859		14.8	4.30	TAS	m_e
TNS	150.91	pPKPbc	00:35:46.660		8.0	2.37	TAS	m_e
UBR	153.13	PKPdf	00:34:07.470		17.3	1.56	TAS	m_e
UBR	153.13	PKPbc	00:34:14.832		15.7	2.41	TAS	m_e
UBR	153.13	pPKPbc	00:35:52.502		8.0	2.37	TAS	m_e
WET	151.18	PKPdf	00:34:04.845		17.3	1.56	TAS	m_e
WET	151.18	PKPbc	00:34:10.630	0.0	15.7	2.41	TAS	m_e
WET	151.18	PKPab	00:34:20.323		14.8	4.30	TAS	m_e
WLF	151.70	PKPdf	00:34:06.342		17.3	1.56	TAS	m_e
WLF	151.70	PKPbc	00:34:12.502	-0.4	15.7	2.41	TAS	m_e
WLF	151.70	PKPab	00:34:22.630		14.8	4.30	TAS	m_e
WLF	151.70	pPKPbc	00:35:48.933		8.0	2.37	TAS	m_e

Event 21106001 Celebes Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/06	00:03:13.00		2.5300	124.6570				239.3				15		100.54	106.03	m i ke	USGS
21106019																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	105.14		PP	00:21:21.437		69.7		7.50		TAS					m_e
ASSE	102.45		Pdiff	00:16:41.887	0.2	71.4		4.47		TAS					m_e
BFO	105.24		Pdiff	00:16:53.549		71.4		4.47		TAS					m_e
BFO	105.24		PP	00:21:21.515		69.7		7.50		TAS					m_e
BRG	100.94		Pdiff	00:16:34.993	-0.4	71.4		4.47		TAS					m_e
BRG	100.94		PP	00:20:49.958	0.3	69.7		7.50		TAS					m_e
BSEG	101.99		Pdiff	00:16:40.045	0.2	71.4		4.47		TAS					m_e
BSEG	101.99		PP	00:20:56.949	0.1	69.7		7.50		TAS					m_e
BUG	104.66		Pdiff	00:16:51.715		71.4		4.47		TAS					m_e
CLL	101.37		Pdiff	00:16:36.525	0.1	71.4		4.47		TAS					m_e
CLL	101.37		PP	00:20:53.057	-0.9	69.7		7.50		TAS					m_e
CLZ	102.72		Pdiff	00:16:43.375	0.3	71.4		4.47		TAS					m_e
FLT1	102.05		Pdiff	00:16:39.607	0.0	71.4		4.47		TAS					m_e

FLT1	102.05	PP	00:20:58.825	-0.3	69.7	7.50	TAS	m_e
FUR	103.46	Pdiff	00:16:45.970	-0.3	71.4	4.47	TAS	m_e
FUR	103.46	PP	00:21:09.035		69.7	7.50	TAS	m_e
GEC2	101.72	Pdiff	00:16:38.335	0.0	71.4	4.47	TAS	m_e
GEC2	101.72	PP	00:20:55.754	-0.2	69.7	7.50	TAS	m_e
GOR1	101.78	Pdiff	00:16:39.116	0.0	71.4	4.47	TAS	m_e
GRA1	102.98	Pdiff	00:16:44.274	0.2	71.4	4.47	TAS	m_e
GTTG	103.07	Pdiff	00:16:44.834	-0.0	71.4	4.47	TAS	m_e
IBBN	104.04	Pdiff	00:16:49.247	0.2	71.4	4.47	TAS	m_e
KAST	104.09	Pdiff	00:16:49.402	0.1	71.4	4.47	TAS	m_e
MOX	102.41	Pdiff	00:16:41.565	-0.1	71.4	4.47	TAS	m_e
MOX	102.41	PP	00:21:01.066	-0.7	69.7	7.50	TAS	m_e
NEUB	102.13	Pdiff	00:16:40.354	-0.0	71.4	4.47	TAS	m_e
PLN	102.14	Pdiff	00:16:40.349	-0.0	71.4	4.47	TAS	m_e
PLN	102.14	PP	00:20:59.106	0.4	69.7	7.50	TAS	m_e
RUE	100.54	Pdiff	00:16:33.439	0.2	71.4	4.47	TAS	m_e
SCHI	100.79	Pdiff	00:16:34.886	0.0	71.4	4.47	TAS	m_e
STU	104.54	Pdiff	00:16:51.092	0.3	71.4	4.47	TAS	m_e
TANN	101.98	Pdiff	00:16:39.634	-0.2	71.4	4.47	TAS	m_e
TANN	101.98	PP	00:20:57.990	0.2	69.7	7.50	TAS	m_e
TNS	104.45	Pdiff	00:16:50.889	-0.5	71.4	4.47	TAS	m_e
TNS	104.45	PP	00:21:16.627		69.7	7.50	TAS	m_e
UBR	104.37	Pdiff	00:16:49.737	-0.2	71.4	4.47	TAS	m_e
UBR	104.37	PP	00:21:15.402		69.7	7.50	TAS	m_e
WET	102.14	Pdiff	00:16:40.402	-0.6	71.4	4.47	TAS	m_e
WET	102.14	PP	00:20:58.733	0.1	69.7	7.50	TAS	m_e
WLF	106.03	Pdiff	00:16:58.125		71.4	4.47	TAS	m_e
WLF	106.03	PP	00:21:28.513		69.7	7.50	TAS	m_e

Event 21106002 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/06	03:51:56.84			-17.9530	-12.9630				20.7					70.71	70.71	m i ke	BGR
21106008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	21106008
Ms	4.8		BGR	21106008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	70.71		S	04:12:42.776						T__				m_e	
GRA1	70.71		P	04:03:13.155		201.7		6.45		TAS		7.7	1.06	m_e mb	4.8
GRA1	70.71		pP	04:03:19.039						T__				m_e	
GRA1	70.71		L	04:31:24.292						T__		576.2	20.40	a_e Ms	4.8

Event 21106003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/06	04:23:34.25			43.2670	146.5690				26.6	3.6		25		76.08	81.55	m i ke	BGR
OrigID 21106009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	21106009
Ms	5.1		BGR	21106009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	80.01		P	04:35:40.097	-0.3	31.4		5.46		TAS		66.1	1.53	m_e	mb	5.3
AHRW	80.01		pP	04:35:47.816		32.9		5.39		TAS				m_e		
AHRW	80.01		sP	04:35:51.026		31.4		5.56		TAS				m_e		
ASSE	77.51		P	04:35:26.338	0.2	31.4		5.46		TAS		57.7	1.57	m_e	mb	5.5
ASSE	77.51		pP	04:35:34.244	-0.3	32.9		5.39		TAS				m_e		
ASSE	77.51		sP	04:35:37.249	0.2	31.4		5.56		TAS				m_e		
BFO	81.55		P	04:35:48.142		31.4		5.46		TAS		24.3	1.37	m_e	mb	5.2
BFO	81.55		pP	04:35:56.258		32.9		5.39		TAS				m_e		
BRG	77.48		P	04:35:26.071	-0.2	31.4		5.46		TAS		32.8	1.47	m_e	mb	5.2
BRG	77.48		pP	04:35:33.624	-0.0	32.9		5.39		TAS				m_e		
BRG	77.48		sP	04:35:36.814	-0.2	31.4		5.56		TAS				m_e		
BSEG	76.08		P	04:35:18.547	0.2	31.4		5.46		TAS		35.2	1.07	m_e	mb	5.4
BSEG	76.08		sP	04:35:29.181	0.4	31.4		5.56		TAS				m_e		
BUG	79.16		P	04:35:35.235	0.1	31.4		5.46		TAS		42.4	1.38	m_e	mb	5.3
BUG	79.16		pP	04:35:42.921		32.9		5.39		TAS				m_e		
BUG	79.16		sP	04:35:46.110	-0.0	31.4		5.56		TAS				m_e		
CLL	77.44		P	04:35:25.674	0.4	31.4		5.46		TAS		36.8	1.06	m_e	mb	5.4
CLL	77.44		sP	04:35:36.356	0.4	31.4		5.56		TAS				m_e		
CLZ	77.85		P	04:35:28.647	0.0	31.4		5.46		TAS		84.4	1.31	m_e	mb	5.7
CLZ	77.85		pP	04:35:36.679	-0.0	32.9		5.39		TAS				m_e		
CLZ	77.85		sP	04:35:39.429	0.1	31.4		5.56		TAS				m_e		
FLT1	77.16		P	04:35:24.006	-0.1	31.4		5.46		TAS		45.3	1.11	m_e	mb	5.5
FLT1	77.16		pP	04:35:31.792	0.1	32.9		5.39		TAS				m_e		
FLT1	77.16		sP	04:35:34.650	0.1	31.4		5.56		TAS				m_e		
FUR	80.70		P	04:35:44.021		31.4		5.46		TAS		35.4	1.17	m_e	mb	5.3
FUR	80.70		pP	04:35:50.634		32.9		5.39		TAS				m_e		
FUR	80.70		sP	04:35:55.056		31.4		5.56		TAS				m_e		
GEC2	79.27		P	04:35:35.978	0.1	31.4		5.46		TAS		27.9	1.55	m_e	mb	5.0
GEC2	79.27		sP	04:35:46.900	0.1	31.4		5.56		TAS				m_e		
GOR1	76.57		P	04:35:21.428	-0.3	31.4		5.46		TAS		167.5	1.59	m_e	mb	5.9
GOR1	76.57		sP	04:35:32.366	-0.4	31.4		5.56		TAS				m_e		
GRA1	79.41		P	04:35:37.242	-0.2	31.4		5.46		TAS		53.1	1.20	m_e	mb	5.3
GRA1	79.41		pP	04:35:43.939		32.9		5.39		TAS				m_e		
GRA1	79.41		sP	04:35:48.122		31.4		5.56		TAS				m_e		
GRA1	79.41		L	05:16:52.341						T__		790.4	18.20	a_e	Ms	5.1
GTTG	78.24		P	04:35:30.539	0.0	31.4		5.46		TAS		48.5	1.28	m_e	mb	5.5

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GTTG	78.24	sP	04:35:41.427	0.0	31.4	5.56	TAS							m_e	
IBBN	78.26	P	04:35:30.443	0.0	31.4	5.46	TAS	65.7	1.31	m_e	mb				5.6
IBBN	78.26	sP	04:35:41.319	0.0	31.4	5.56	TAS							m_e	
KAST	79.02	P	04:35:34.768	0.5	31.4	5.46	TAS	38.5	1.27	m_e	mb				5.3
KAST	79.02	pP	04:35:42.506		32.9	5.39	TAS							m_e	
KAST	79.02	sP	04:35:45.567	-0.1	31.4	5.56	TAS							m_e	
MOX	78.47	P	04:35:31.642	0.0	31.4	5.46	TAS	48.1	1.53	m_e	mb				5.3
MOX	78.47	pP	04:35:39.328		32.9	5.39	TAS							m_e	
MOX	78.47	sP	04:35:42.516	0.4	31.4	5.56	TAS							m_e	
MOX	78.47	L	05:16:24.130				T__	737.7	18.40	a_e	Ms				5.0
NEUB	77.95	P	04:35:28.632	0.1	31.4	5.46	TAS	48.2	1.21	m_e	mb				5.5
NEUB	77.95	sP	04:35:39.368	0.0	31.4	5.56	TAS							m_e	
PLN	78.42	P	04:35:31.405	-0.1	31.4	5.46	TAS	14.4	1.53	m_e	mb				4.8
PLN	78.42	sP	04:35:42.247	-0.0	31.4	5.56	TAS							m_e	
RUE	76.20	P	04:35:19.058	-0.5	31.4	5.46	TAS	124.9	1.49	m_e	mb				5.8
RUE	76.20	sP	04:35:29.817	-0.5	31.4	5.56	TAS							m_e	
STU	80.88	P	04:35:44.627		31.4	5.46	TAS	67.0	1.17	m_e	mb				5.6
STU	80.88	pP	04:35:52.407		32.9	5.39	TAS							m_e	
STU	80.88	sP	04:35:55.553		31.4	5.56	TAS							m_e	
TANN	78.38	P	04:35:31.186	0.1	31.4	5.46	TAS	44.7	1.78	m_e	mb				5.3
TANN	78.38	pP	04:35:39.241		32.9	5.39	TAS							m_e	
TNS	79.86	P	04:35:39.344	-0.4	31.4	5.46	TAS	38.7	1.45	m_e	mb				5.1
TNS	79.86	sP	04:35:50.145		31.4	5.56	TAS							m_e	
UBR	81.52	P	04:35:47.932		31.4	5.46	TAS	52.8	1.90	m_e	mb				5.3
WET	79.31	P	04:35:36.696	0.2	31.4	5.46	TAS	49.3	1.42	m_e	mb				5.3
WET	79.31	pP	04:35:43.488		32.9	5.39	TAS							m_e	
WET	79.31	sP	04:35:47.582	-0.4	31.4	5.56	TAS							m_e	

Event 21107001 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/07	03:25:19.93			37.0800	71.4300				57.1	0.5		28		42.51	47.62	m i ke	BGR
21107007																	

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 21107007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	46.88		P	03:33:44.711	-0.0	84.1		7.93		TAS		51.5	0.91	a_e	mb	5.7
ASSE	44.45		P	03:33:24.750	0.1	84.1		7.93		TAS		14.5	0.93	m_e	mb	4.7
BFO	46.46		P	03:33:40.661		84.1		7.93		TAS		28.5	0.86	a_e	mb	5.3
BFO	46.46		pP	03:33:55.389	-0.5					T__					m_e	
BRG	42.51		P	03:33:09.861	-0.1	84.1		7.93		TAS		54.6	0.86	m_e	mb	5.3
BSEG	44.52		P	03:33:26.211	0.1	84.1		7.93		TAS		58.3	0.83	a_e	mb	5.5
BUG	46.62		P	03:33:42.561	-0.6	84.1		7.93		TAS		40.6	0.90	a_e	mb	5.6
CLL	43.07		P	03:33:13.861	-0.3	84.1		7.93		TAS		34.0	0.79	a_e	mb	5.1

CLZ	44.66	P	03:33:27.111	-0.1	84.1	7.93	TAS	104.8	1.47	a_e	mb	5.5
FLT1	44.08	P	03:33:21.911	0.0	84.1	7.93	TAS	104.6	0.88	a_e	mb	5.6
FUR	44.54	P	03:33:26.261		84.1	7.93	TAS	112.1	1.26	a_e	mb	5.7
GEC2	42.86	P	03:33:12.421	0.6	84.1	7.93	TAS	14.5	0.87	m_e	mb	4.7
GOR1	43.99	P	03:33:21.837	-0.6	84.1	7.93	TAS	92.0	1.15	m_e	mb	5.4
GRA1	44.37	P	03:33:25.561	0.2	84.1	7.93	TAS	137.9	1.44	a_e	mb	5.5
GTTG	44.94	P	03:33:29.511	-0.7	84.1	7.93	TAS	91.4	0.91	a_e	mb	5.7
IBBN	46.21	P	03:33:39.361	-0.6	84.1	7.93	TAS	80.8	0.86	a_e	mb	5.8
KAST	45.95	P	03:33:36.783	-0.2	84.1	7.93	TAS	14.2	1.07	m_e	mb	4.9
MOX	44.00	P	03:33:21.861	-0.0	84.1	7.93	TAS	26.5	0.84	a_e	mb	5.0
NEUB	43.85	P	03:33:20.411	-0.1	84.1	7.93	TAS	71.4	0.88	a_e	mb	5.4
PLN	43.68	P	03:33:19.211	0.1	84.1	7.93	TAS	6.9	0.81	a_e	mb	4.4
RGN	42.74	P	03:33:11.866	0.8	84.1	7.93	TAS	140.9	0.87	m_e	mb	5.7
RUE	42.52	P	03:33:09.411	-0.5	84.1	7.93	TAS	73.1	0.96	a_e	mb	5.4
SCHI	43.05	P	03:33:14.104	0.3	84.1	7.93	TAS	77.1	0.92	m_e	mb	5.4
STU	45.81	P	03:33:36.211	0.2	84.1	7.93	TAS	95.0	1.07	a_e	mb	5.8
TANN	43.49	P	03:33:17.811	0.9	84.1	7.93	TAS	31.7	1.13	a_e	mb	5.0
TNS	46.07	P	03:33:38.261	0.1	84.1	7.93	TAS	27.6	1.08	a_e	mb	5.2
UBR	45.40	P	03:33:32.461		84.1	7.93	TAS	52.8	0.92	a_e	mb	5.5
WET	43.36	P	03:33:16.611	-0.3	84.1	7.93	TAS	29.0	1.45	a_e	mb	4.8
WET	43.36	pP	03:33:31.535	-0.5			T__			m_e		
WLF	47.62	P	03:33:50.661	0.0	84.1	7.93	TAS	72.5	0.84	a_e	mb	5.8

Event 21107003 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/07	10:56:27.76			52.1800	159.4300				29.4	4.0		21		71.04	76.99	m i ke	BGR
OrigID 21107009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	21107009
Ms	4.7		BGR	21107009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.89		P	11:08:06.888	-0.3	19.8		5.83		TAS		22.5	1.21	m_e	mb 5.1
AHRW	74.89		pP	11:08:16.432		20.6		5.94		TAS				m_e	
ASSE	72.67		P	11:07:53.922	-0.4	19.8		5.83		TAS		18.3	0.93	m_e	mb 5.2
BFO	76.75		P	11:08:17.477		19.8		5.83		TAS		8.3	1.00	m_e	mb 4.8
BFO	76.75		pP	11:08:25.747		20.6		5.94		TAS				m_e	
BRG	73.14		P	11:07:56.252	0.4	19.8		5.83		TAS		13.2	1.06	m_e	mb 5.0
BSEG	71.04		P	11:07:44.471	-0.1	19.8		5.83		TAS		59.0	1.50	m_e	mb 5.5
BSEG	71.04		pP	11:07:52.551	-0.1	20.6		5.94		TAS				m_e	
BUG	73.99		P	11:08:01.546	0.0	19.8		5.83		TAS		151.9	2.09	m_e	mb 5.7
BUG	73.99		pP	11:08:10.006		20.6		5.94		TAS				m_e	
CLZ	73.00		P	11:07:56.302	-0.1	19.8		5.83		TAS		61.7	1.33	m_e	mb 5.6
CLZ	73.00		pP	11:08:04.588	0.9	20.6		5.94		TAS				m_e	

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FLT1	72.36	P	11:07:51.579	0.2	19.8	5.83	TAS	43.4	1.42	m_e	mb	5.4
FLT1	72.36	pP	11:07:59.875	-0.2	20.6	5.94	TAS			m_e		
GEC2	75.08	P	11:08:08.078		19.8	5.83	TAS	19.9	1.34	m_e	mb	5.0
GOR1	71.73	P	11:07:48.669	-0.6	19.8	5.83	TAS	31.9	1.18	m_e	mb	5.3
GRA1	74.85	P	11:08:07.133		19.8	5.83	TAS	64.8	1.57	m_e	mb	5.4
GRA1	74.85	pP	11:08:15.390		20.6	5.94	TAS			m_e		
GRA1	74.85	L	11:42:05.392				T__	486.3	21.60	a_e	Ms	4.8
IBBN	73.07	P	11:07:56.333	-0.1	19.8	5.83	TAS	251.6	2.41	m_e	mb	5.9
IBBN	73.07	pP	11:08:04.626	-0.1	20.6	5.94	TAS			m_e		
KAST	74.00	P	11:08:01.901	0.0	19.8	5.83	TAS	30.3	1.55	m_e	mb	5.1
MOX	73.87	P	11:08:00.901	0.1	19.8	5.83	TAS	13.6	1.10	m_e	mb	4.9
MOX	73.87	pP	11:08:09.167		20.6	5.94	TAS			m_e		
MOX	73.87	L	11:41:36.620				T__	416.2	20.90	a_e	Ms	4.7
PLN	73.90	P	11:08:01.151	-0.2	19.8	5.83	TAS	11.9	1.40	m_e	mb	4.7
PLN	73.90	pP	11:08:09.569		20.6	5.94	TAS			m_e		
RUE	71.68	P	11:07:48.106	0.4	19.8	5.83	TAS	60.9	1.14	m_e	mb	5.6
SCHI	71.08	pP	11:07:52.594	-0.5	20.6	5.94	TAS			m_e		
TANN	73.90	P	11:08:01.151		19.8	5.83	TAS	45.6	1.62	m_e	mb	5.2
TNS	74.92	P	11:08:07.228		19.8	5.83	TAS	84.5	1.79	m_e	mb	5.5
TNS	74.92	pP	11:08:15.631		20.6	5.94	TAS			m_e		
UBR	76.99	P	11:08:19.028		19.8	5.83	TAS	16.0	1.14	m_e	mb	5.0
WET	74.99	P	11:08:07.889		19.8	5.83	TAS	56.8	1.56	m_e	mb	5.4
WET	74.99	pP	11:08:16.104		20.6	5.94	TAS			m_e		

Event 21108001 Cuba region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/08	11:33:41.82			21.5090	-76.1040				14.7					72.19	72.19	m i ke	BGR
21108007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	21108007
Ms	4.5		BGR	21108007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	72.19		P	11:45:05.800		276.2		7.11		TAS		18.5	0.85	m_e	mb	5.2
GRA1	72.19		pP	11:45:09.978						T__				m_e		
GRA1	72.19		L	12:18:07.802						T__		244.1	19.30	a_e	Ms	4.5

Event 21108002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/08	14:30:06.16			16.3670	120.7900				170.0				23	87.11	92.66	m i ke	BGR

21108008

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	21108008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	92.04		P	14:42:54.498		64.7		4.66		TAS		68.3	2.05	m_e	mb	5.6
BRG	87.65		P	14:42:34.539	0.2	64.7		4.66		TAS		21.4	0.91	m_e	mb	5.5
BSEG	88.39		P	14:42:38.147	0.0	64.7		4.66		TAS		26.6	0.83	m_e	mb	5.6
BUG	91.18		P	14:42:50.792	0.0	64.7		4.66		TAS		18.8	1.01	m_e	mb	5.4
CLL	88.02		P	14:42:35.912	-0.1	64.7		4.66		TAS		16.8	0.96	m_e	mb	5.3
CLZ	89.28		P	14:42:42.458	0.0	64.7		4.66		TAS		12.9	0.86	m_e	mb	5.2
FLT1	88.59		P	14:42:38.239	-0.3	64.7		4.66		TAS		8.2	0.92	m_e	mb	5.0
FUR	90.35		P	14:42:47.346		64.7		4.66		TAS		27.3	0.72	m_e	mb	5.6
GEC2	88.60		P	14:42:39.007		64.7		4.66		TAS		13.2	0.84	m_e	mb	5.2
GOR1	88.27		P	14:42:37.525	-0.7	64.7		4.66		TAS		40.0	1.13	m_e	mb	5.7
GRA1	89.73		P	14:42:44.383		64.7		4.66		TAS		11.0	1.03	m_e	mb	5.0
GTTG	89.64		P	14:42:43.922	-0.0	64.7		4.66		TAS		11.5	0.71	m_e	mb	5.2
IBBN	90.50		P	14:42:47.861	-0.2	64.7		4.66		TAS		19.8	0.87	m_e	mb	5.5
MOX	89.09		P	14:42:41.219	0.1	64.7		4.66		TAS		12.3	1.03	m_e	mb	5.1
NEUB	88.77		P	14:42:39.641	0.3	64.7		4.66		TAS		55.0	1.34	m_e	mb	5.6
PLN	88.85		P	14:42:40.066	-0.5	64.7		4.66		TAS		23.9	2.03	m_e	mb	5.1
RUE	87.11		P	14:42:32.026	0.1	64.7		4.66		TAS		43.8	0.93	m_e	mb	5.6
STU	91.32		P	14:42:51.645		64.7		4.66		TAS		40.0	0.51	m_e	mb	6.0
TANN	88.70		P	14:42:39.341	0.3	64.7		4.66		TAS		11.7	1.12	m_e	mb	5.0
TNS	91.09		P	14:42:50.680	-0.2	64.7		4.66		TAS		40.7	1.60	m_e	mb	5.5
UBR	91.27		P	14:42:51.187		64.7		4.66		TAS		23.0	0.89	m_e	mb	5.5
WET	88.97		P	14:42:40.813		64.7		4.66		TAS		12.7	1.04	m_e	mb	5.1
WLF	92.66		P	14:42:58.220		64.7		4.66		TAS		17.7	0.78	m_e	mb	5.6

Event 21108004 Nepal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/08	15:22:35.00			29.3310	81.1940				10.0					55.59	55.59	m i ke	USGS

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	21108010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	55.59		P	15:32:14.038		83.8		6.30		TAS		14.0	1.18	m_e	mb	4.9
GRA1	55.59		pP	15:32:17.866						T__		137.6	2.12	m_e		

Event 21108005 Nepal-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/08	20:27:17.09			28.8000	81.8600				16.2	4.0		6		54.54	59.64	m i ke	BGR
OrigID 21108011																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	21108011
MBB	6.4		BGR	21108011
Ms	5.3		BGR	21108011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	58.91		P	20:37:16.957		84.7		7.09		TAS		130.9	1.16	m_e	MBB 6.3
AHRW	58.91		pP	20:37:21.331		84.2		7.04		TAS				m_e	
AHRW	58.91		PP	20:39:28.023		85.7		8.76		TAS				m_e	
ASSE	56.48		P	20:36:59.501	-0.2	84.7		7.09		TAS		524.3	2.26	m_e	MBB 6.3
BFO	58.45		P	20:37:12.941	0.1	84.7		7.09		TAS		34.6	0.90	m_e	MBB 6.1
BFO	58.45		pP	20:37:17.330		84.2		7.04		TAS				m_e	
BRG	54.54		P	20:36:45.875	-0.1	84.7		7.09		TAS		179.6	0.85	m_e	MBB 6.5
BRG	54.54		pP	20:36:50.324	-0.1	84.2		7.04		TAS				m_e	
BSEG	56.55		P	20:37:00.465	0.6	84.7		7.09		TAS		190.6	0.85	m_e	MBB 6.5
BSEG	56.55		pP	20:37:04.869	0.2	84.2		7.04		TAS				m_e	
BSEG	56.55		PP	20:39:07.411		85.7		8.76		TAS				m_e	
BUG	58.66		P	20:37:15.119		84.7		7.09		TAS		149.1	0.90	m_e	MBB 6.4
BUG	58.66		pP	20:37:19.523		84.2		7.04		TAS				m_e	
CLL	55.10		P	20:36:49.178	-0.8	84.7		7.09		TAS		72.2	0.98	m_e	MBB 6.2
CLL	55.10		pP	20:36:53.898	0.3	84.2		7.04		TAS				m_e	
CLZ	56.69		P	20:37:01.412	0.2	84.7		7.09		TAS		240.3	0.92	m_e	MBB 6.4
CLZ	56.69		pP	20:37:05.678	0.0	84.2		7.04		TAS				m_e	
FLT1	56.12		P	20:36:56.491	-0.6	84.7		7.09		TAS		180.5	0.96	m_e	MBB 6.4
FLT1	56.12		pP	20:37:01.056	0.7	84.2		7.04		TAS				m_e	
FUR	56.52		P	20:37:00.204	0.6	84.7		7.09		TAS		217.3	0.81	m_e	MBB 6.7
FUR	56.52		pP	20:37:04.666	0.7	84.2		7.04		TAS				m_e	
FUR	56.52		PP	20:39:05.593		85.7		8.76		TAS				m_e	
GEC2	54.85		P	20:36:47.957	0.1	84.7		7.09		TAS		57.0	0.80	m_e	MBB 6.3
GEC2	54.85		pP	20:36:52.520	-0.0	84.2		7.04		TAS				m_e	
GOR1	56.03		P	20:36:56.493	0.1	84.7		7.09		TAS		290.2	1.12	m_e	MBB 6.6
GOR1	56.03		pP	20:37:00.908	-0.4	84.2		7.04		TAS				m_e	
GRA1	56.38		S	20:44:49.640						T__				m_e	
GRA1	56.38		SS	20:48:44.330						T__				m_e	
GRA1	56.38		P	20:36:59.474	0.6	84.7		7.09		TAS		643.2	1.66	m_e	mb 6.4
GRA1	56.38		pP	20:37:04.121	0.4	84.2		7.04		TAS				m_e	
GRA1	56.38		PP	20:39:05.654		85.7		8.76		TAS				m_e	
GRA1	56.38		L	21:04:19.971						T__		1864.4	18.10	a_e	Ms 5.2
GTTG	56.97		P	20:37:03.431	0.2	84.7		7.09		TAS		182.8	1.03	m_e	MBB 6.4
GTTG	56.97		pP	20:37:07.817	-0.1	84.2		7.04		TAS				m_e	
GTTG	56.97		PP	20:39:09.891		85.7		8.76		TAS				m_e	
IBBN	58.24		P	20:37:12.172	-0.0	84.7		7.09		TAS		684.9	1.71	m_e	MBB 6.6
IBBN	58.24		pP	20:37:15.515		84.2		7.04		TAS				m_e	

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IBBN	58.24	PP	20:39:21.630		85.7	8.76	TAS							m_e	
KAST	57.98	P	20:37:09.792	0.0	84.7	7.09	TAS	54.0	1.07	m_e	MBB	6.2			
KAST	57.98	pP	20:37:14.617	0.3	84.2	7.04	TAS			m_e					
MOX	56.03	SS	20:48:37.612				T__			m_e					
MOX	56.03	S	20:44:40.826				T__			m_e					
MOX	56.03	P	20:36:56.609	0.1	84.7	7.09	TAS	93.7	0.87	m_e	MBB	6.3			
MOX	56.03	pP	20:37:01.039	0.2	84.2	7.04	TAS			m_e					
MOX	56.03	L	21:03:03.895				T__	2738.9	18.60	a_e	Ms	5.4			
NEUB	55.88	P	20:36:55.244	-0.2	84.7	7.09	TAS	183.1	0.87	m_e	MBB	6.4			
NEUB	55.88	pP	20:36:59.763	0.1	84.2	7.04	TAS			m_e					
PLN	55.70	P	20:36:54.122	-0.0	84.7	7.09	TAS	30.1	0.92	m_e	MBB	5.9			
PLN	55.70	pP	20:36:58.703	-0.2	84.2	7.04	TAS			m_e					
RGN	54.76	P	20:36:47.554	0.5	84.7	7.09	TAS	227.5	0.82	m_e	MBB	6.6			
RUE	54.55	P	20:36:45.618	-0.4	84.7	7.09	TAS	196.2	0.86	m_e	MBB	6.5			
RUE	54.55	pP	20:36:50.062	-0.4	84.2	7.04	TAS			m_e					
SCHI	55.08	P	20:36:49.696	0.1	84.7	7.09	TAS	436.4	1.12	m_e	MBB	6.6			
SCHI	55.08	pP	20:36:54.274	0.1	84.2	7.04	TAS			m_e					
STU	57.81	P	20:37:09.213	0.0	84.7	7.09	TAS	392.9	0.85	m_e	MBB	6.9			
TANN	55.51	P	20:36:52.869	0.0	84.7	7.09	TAS	80.3	0.96	m_e	MBB	6.4			
TANN	55.51	pP	20:36:57.289	0.0	84.2	7.04	TAS			m_e					
TNS	58.09	P	20:37:11.141	-0.1	84.7	7.09	TAS	81.3	0.82	a_e	MBB	6.3			
UBR	57.37	P	20:37:05.551	-0.6	84.7	7.09	TAS	105.2	0.86	m_e	MBB	6.5			
UBR	57.37	pP	20:37:10.147	0.1	84.2	7.04	TAS			m_e					
WET	55.36	P	20:36:51.585	0.0	84.7	7.09	TAS	132.7	1.34	m_e	MBB	6.2			
WET	55.36	pP	20:36:56.254	-0.1	84.2	7.04	TAS			m_e					
WLF	59.64	P	20:37:22.186		84.7	7.09	TAS	127.1	1.04	m_e	MBB	6.4			
WLF	59.64	pP	20:37:26.764		84.2	7.04	TAS			m_e					

Event 21109001 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	06:07:30.58	0.36	1.00	44.0630	13.3200	6.7	4.4	12	10.0			56	201	2.59	10.83	m i ke	BGR
OrigID 21109007																	

Magnitude Err Nsta Author OrigID
 ML 6.0 BGR 21109007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	7.74		Pn	06:09:21.277	0.4					T__				m_e	ML 6.1
ARSA	3.54		Pn	06:08:23.731	-0.5					T__				m_e	ML 5.6
BALST	5.12		Sn	06:09:42.349	2.4					T__				m_e	
BALST	5.12		Pn	06:08:45.537	0.0					T__				m_e	ML 5.8
BFO	5.49		Pn	06:08:50.061	-0.5					T__				m_e	ML 5.8
BIOA	3.63		Pn	06:08:25.791	0.3					T__				m_e	ML 6.0
BRG	6.82		Pn	06:09:07.071	-1.4					T__				m_e	ML 6.0
BSEG	10.07		Pn	06:09:51.696	-0.5					T__				m_e	

BUD	5.25	Pn	06:08:46.941	-0.3	T__	m_e	
BUG	8.42	Pn	06:09:30.432	0.4	T__	m_e ML	6.1
CKRC	4.80	Pn	06:08:41.552	0.3	T__	m_e	
CLL	7.25	Sn	06:10:28.264	-1.4	T__	m_e	
CLL	7.25	Pn	06:09:13.124	-1.1	T__	m_e ML	6.3
CLZ	8.03	Pn	06:09:24.335	-0.3	T__	m_e ML	6.2
DAVA	4.02	Sn	06:09:12.392	-1.9	T__	m_e	
DAVA	4.02	Pn	06:08:31.753	1.0	T__	m_e ML	5.8
DPC	6.61	Pn	06:09:04.495	-1.5	T__	m_e	
FETA	3.47	Sn	06:09:02.162	0.8	T__	m_e	
FETA	3.47	Pn	06:08:24.614	1.3	T__	m_e ML	5.6
FUR	4.34	Pn	06:08:34.520	-0.5	T__	m_e ML	6.3
GEC2	4.79	Sn	06:09:34.202	2.0	T__	m_e	
GEC2	4.79	Pn	06:08:40.662	-0.4	T__	m_e ML	6.0
GOR1	9.03	Pn	06:09:39.127	1.0	T__	m_e	
GRA1	5.81	Pn	06:08:53.321	-1.5	T__	m_e ML	6.3
GTTG	7.81	Sn	06:10:43.056	0.1	T__	m_e	
GTTG	7.81	Pn	06:09:22.066	0.2	T__	m_e ML	6.3
JAVC	5.66	Pn	06:08:53.445	0.7	T__	m_e	
KAST	7.87	Pn	06:09:22.515	-0.0	T__	m_e ML	6.0
KBA	3.01	Sn	06:08:51.559	0.8	T__	m_e	
KBA	3.01	Pn	06:08:17.431	0.3	T__	m_e ML	5.6
KHC	5.07	Pn	06:08:44.247	-0.6	T__	m_e	
KRUC	5.43	Pn	06:08:48.828	-0.9	T__	m_e	
LESA	3.39	Pn	06:08:22.435	0.2	T__	m_e ML	5.7
MLR	9.09	Pn	06:09:41.486	2.4	T__	m_e	
MOA	3.84	Pn	06:08:28.359	0.1	T__	m_e ML	5.6
MORC	6.40	Pn	06:09:02.568	-0.2	T__	m_e	
MOTA	3.63	Pn	06:08:26.478	1.0	T__	m_e ML	5.9
MOX	6.68	Pn	06:09:05.184	-1.4	T__	m_e ML	5.9
NEUB	7.21	Pn	06:09:12.921	-0.8	T__	m_e	
NKC	6.20	Pn	06:08:59.374	-0.7	T__	m_e	
OBKA	2.59	Sg	06:08:53.068	0.1	T__	m_e	
OBKA	2.59	Pn	06:08:12.534	1.1	T__	m_e	
OKC	6.64	Pn	06:09:06.741	0.6	T__	m_e	
PLN	6.47	Pn	06:09:03.471	-0.3	T__	m_e ML	5.5
PLONS	4.07	Pn	06:08:32.561	1.2	T__	m_e ML	5.6
PRU	5.98	Pn	06:08:56.170	-1.0	T__	m_e	
PSZ	5.98	Pn	06:08:57.256	0.1	T__	m_e	
PVCC	6.52	Pn	06:09:03.340	-1.1	T__	m_e	
RETA	3.86	Sn	06:09:10.536	0.0	T__	m_e	
RETA	3.86	Pn	06:08:29.458	0.9	T__	m_e ML	5.8
SLE	5.00	Sn	06:09:37.346	0.2	T__	m_e	
SLE	5.00	Pn	06:08:43.141	-0.8	T__	m_e ML	6.5
SOP	4.26	Pn	06:08:33.965	-0.1	T__	m_e	
SQTA	3.49	Sn	06:09:00.208	-1.5	T__	m_e	
SQTA	3.49	Pn	06:08:24.408	0.9	T__	m_e ML	6.0
SSB	6.37	Pn	06:08:59.930	-2.5	T__	m_e	
SULZ	5.02	Sn	06:09:39.041	1.3	T__	m_e	

SULZ	5.02	Pn	06:08:43.500	-0.8	T__	m_e	ML	6.9
TANN	6.38	Sn	06:10:09.349	0.0	T__	m_e		
TANN	6.38	Pn	06:09:01.585	-0.9	T__	m_e	ML	6.0
TIRR	10.83	Pn	06:10:03.634	1.2	T__	m_e		
TNS	7.00	Sn	06:10:23.324	-0.4	T__	m_e		
TNS	7.00	Pn	06:09:10.575	-0.2	T__	m_e	ML	6.2
TREC	5.44	Pn	06:08:48.800	-1.0	T__	m_e		
UBR	4.25	Pn	06:08:34.115	0.2	T__	m_e	ML	6.1
VRAC	5.71	Pn	06:08:53.205	-0.2	T__	m_e		
WET	5.09	Sn	06:09:40.899	1.7	T__	m_e		
WET	5.09	Pn	06:08:44.187	-0.9	T__	m_e	ML	5.8
WILA	4.56	Pn	06:08:38.568	0.6	T__	m_e	ML	6.1
WLF	7.44	Pn	06:09:17.952	1.1	T__	m_e	ML	6.0
WTTA	3.41	Pn	06:08:23.966	1.5	T__	m_e	ML	6.0

Event 21109004 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	08:40:05.66			35.8450	141.7320				33.0					84.13	84.13	m i ke	BGR
OrigID 21109010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	21109010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.13		P	08:52:32.693		44.3		4.69		TAS		16.3	1.03	m_e mb	5.2

Event 21109005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	09:38:47.71			-26.4500	179.2800				663.9				28	150.02	157.09	m i ke	BGR
OrigID 21109011																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	155.13		PKPdf	09:57:26.085	0.1	27.4		1.32		TAS				m_e	
AHRW	155.13		PKPbc	09:57:36.925	0.2	26.0		2.12		TAS				m_e	
AHRW	155.13		PKPab	09:57:54.150		24.3		4.22		TAS				m_e	
ASSE	152.88		PKPdf	09:57:22.882	-0.1	27.4		1.32		TAS				m_e	
ASSE	152.88		PKPbc	09:57:32.111	0.0	26.0		2.12		TAS				m_e	
ASSE	152.88		PKPab	09:57:44.312	-0.0	24.3		4.22		TAS				m_e	
BFO	156.97		PKPdf	09:57:27.954	-0.2	27.4		1.32		TAS				m_e	

BFO	156.97	PKPbc	09:57:40.589	-0.3	26.0	2.12	TAS	m_e
BFO	156.97	PKPab	09:58:02.135		24.3	4.22	TAS	m_e
BRG	153.10	PKPdf	09:57:23.189	0.3	27.4	1.32	TAS	m_e
BRG	153.10	PKPbc	09:57:32.639	0.1	26.0	2.12	TAS	m_e
BRG	153.10	PKPab	09:57:45.193	-0.1	24.3	4.22	TAS	m_e
BSEG	151.28	PKPdf	09:57:20.763	-0.2	27.4	1.32	TAS	m_e
BSEG	151.28	PKPbc	09:57:28.754	-0.1	26.0	2.12	TAS	m_e
BUG	154.24	PKPdf	09:57:24.687	0.1	27.4	1.32	TAS	m_e
BUG	154.24	PKPbc	09:57:34.969	-0.3	26.0	2.12	TAS	m_e
BUG	154.24	PKPab	09:57:49.959	-0.1	24.3	4.22	TAS	m_e
CLL	153.01	PKPdf	09:57:22.881	0.1	27.4	1.32	TAS	m_e
CLL	153.01	PKPbc	09:57:32.292	0.0	26.0	2.12	TAS	m_e
CLZ	153.21	PKPdf	09:57:23.674	-0.1	27.4	1.32	TAS	m_e
CLZ	153.21	PKPbc	09:57:33.172	0.4	26.0	2.12	TAS	m_e
CLZ	153.21	PKPab	09:57:46.264	0.0	24.3	4.22	TAS	m_e
FLT1	152.56	PKPdf	09:57:22.353	-0.1	27.4	1.32	TAS	m_e
FLT1	152.56	PKPbc	09:57:31.253	-0.1	26.0	2.12	TAS	m_e
FLT1	152.56	PKPab	09:57:42.811	-0.1	24.3	4.22	TAS	m_e
FUR	156.31	PKPdf	09:57:27.277	0.2	27.4	1.32	TAS	m_e
FUR	156.31	PKPbc	09:57:39.219	-0.0	26.0	2.12	TAS	m_e
FUR	156.31	PKPab	09:57:59.651		24.3	4.22	TAS	m_e
GEC2	154.93	PKPdf	09:57:25.502	0.1	27.4	1.32	TAS	m_e
GEC2	154.93	PKPbc	09:57:36.184	-0.3	26.0	2.12	TAS	m_e
GEC2	154.93	PKPab	09:57:53.035	0.5	24.3	4.22	TAS	m_e
GOR1	151.93	PKPdf	09:57:21.864	-0.1	27.4	1.32	TAS	m_e
GOR1	151.93	PKPbc	09:57:30.203	0.1	26.0	2.12	TAS	m_e
GOR1	151.93	PKPab	09:57:40.745	0.3	24.3	4.22	TAS	m_e
GRA1	154.96	PKPdf	09:57:25.708	-0.1	27.4	1.32	TAS	m_e
GTTG	153.58	PKPdf	09:57:23.903	0.1	27.4	1.32	TAS	m_e
GTTG	153.58	PKPbc	09:57:33.695	0.1	26.0	2.12	TAS	m_e
GTTG	153.58	PKPab	09:57:47.719	-0.2	24.3	4.22	TAS	m_e
HLG	151.50	PKPbc	09:57:29.525	-0.1	26.0	2.12	TAS	m_e
IBBN	153.32	PKPdf	09:57:23.621	0.2	27.4	1.32	TAS	m_e
IBBN	153.32	PKPbc	09:57:33.216	-0.1	26.0	2.12	TAS	m_e
IBBN	153.32	PKPab	09:57:46.684	-0.1	24.3	4.22	TAS	m_e
KAST	154.24	PKPdf	09:57:24.959	-0.1	27.4	1.32	TAS	m_e
KAST	154.24	PKPbc	09:57:35.252	0.1	26.0	2.12	TAS	m_e
KAST	154.24	PKPab	09:57:50.222	0.2	24.3	4.22	TAS	m_e
MOX	153.99	PKPdf	09:57:24.334	-0.3	27.4	1.32	TAS	m_e
MOX	153.99	PKPbc	09:57:34.469	0.1	26.0	2.12	TAS	m_e
MOX	153.99	PKPab	09:57:49.166	-0.2	24.3	4.22	TAS	m_e
NEUB	153.45	PKPdf	09:57:23.792	0.0	27.4	1.32	TAS	m_e
NEUB	153.45	PKPbc	09:57:33.363	0.1	26.0	2.12	TAS	m_e
NEUB	153.45	PKPab	09:57:46.927	-0.7	24.3	4.22	TAS	m_e
PLN	153.98	PKPdf	09:57:24.313	0.0	27.4	1.32	TAS	m_e
PLN	153.98	PKPbc	09:57:34.497	0.1	26.0	2.12	TAS	m_e
PLN	153.98	PKPab	09:57:49.230	0.0	24.3	4.22	TAS	m_e
PLN	153.98	pPKPbc	10:00:04.340	0.1			T__	m_e
RGN	150.02	PKPdf	09:57:18.837	-0.3	27.4	1.32	TAS	m_e

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RGN	150.02	PKPbc	09:57:25.623	-0.4	26.0	2.12	TAS	m_e
RUE	151.75	PKPdf	09:57:21.382	0.2	27.4	1.32	TAS	m_e
RUE	151.75	PKPbc	09:57:29.575	-0.0	26.0	2.12	TAS	m_e
SCHI	151.23	PKPdf	09:57:20.974	0.3	27.4	1.32	TAS	m_e
SCHI	151.23	PKPbc	09:57:28.526	-0.0	26.0	2.12	TAS	m_e
SCHI	151.23	PKPab	09:57:38.468	0.2	24.3	4.22	TAS	m_e
STU	156.34	PKPdf	09:57:27.700	-0.4	27.4	1.32	TAS	m_e
STU	156.34	PKPbc	09:57:39.387	-0.2	26.0	2.12	TAS	m_e
STU	156.34	PKPab	09:57:59.389		24.3	4.22	TAS	m_e
TANN	153.96	PKPdf	09:57:24.389	0.0	27.4	1.32	TAS	m_e
TANN	153.96	PKPbc	09:57:34.487	0.2	26.0	2.12	TAS	m_e
TANN	153.96	PKPab	09:57:49.087	-0.6	24.3	4.22	TAS	m_e
TNS	155.16	PKPdf	09:57:26.131	0.5	27.4	1.32	TAS	m_e
TNS	155.16	PKPbc	09:57:37.227	0.3	26.0	2.12	TAS	m_e
TNS	155.16	PKPab	09:57:54.124		24.3	4.22	TAS	m_e
UBR	157.09	PKPdf	09:57:28.199		27.4	1.32	TAS	m_e
UBR	157.09	PKPbc	09:57:40.627		26.0	2.12	TAS	m_e
WET	154.94	PKPdf	09:57:25.674	0.1	27.4	1.32	TAS	m_e
WET	154.94	PKPbc	09:57:36.601	0.2	26.0	2.12	TAS	m_e
WET	154.94	PKPab	09:57:53.514	0.3	24.3	4.22	TAS	m_e
WLF	156.14	PKPdf	09:57:27.980	-0.1	27.4	1.32	TAS	m_e
WLF	156.14	PKPbc	09:57:39.642	-0.1	26.0	2.12	TAS	m_e
WLF	156.14	PKPab	09:57:58.955		24.3	4.22	TAS	m_e

Event 21109006 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	09:51:11.51			-23.5830	178.9340				676.4			28		147.19	154.28	m i ke	BGR
21109012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.27		PKPdf	10:09:44.472	-0.2	29.0		1.32		TAS					m_e
AHRW	152.27		PKPbc	10:09:53.390	-0.1	25.5		2.53		TAS					m_e
AHRW	152.27		PKPab	10:10:12.250		24.6		4.08		TAS					m_e
ASSE	150.04		PKPdf	10:09:41.271	0.0	29.0		1.32		TAS					m_e
ASSE	150.04		PKPbc	10:09:47.853	-0.6	25.5		2.53		TAS					m_e
ASSE	150.04		PKPab	10:10:02.681	0.2	24.6		4.08		TAS					m_e
BFO	154.12		PKPdf	10:09:46.459		29.0		1.32		TAS					m_e
BFO	154.12		PKPab	10:10:19.015		24.6		4.08		TAS					m_e
BRG	150.31		PKPdf	10:09:41.514	-0.0	29.0		1.32		TAS					m_e
BRG	150.31		PKPbc	10:09:48.258	0.6	25.5		2.53		TAS					m_e
BRG	150.31		PKPab	10:10:03.419	0.1	24.6		4.08		TAS					m_e
BRG	150.31		pPKPbc	10:12:20.159		31.3		2.66		TAS					m_e
BSEG	148.43		PKPbc	10:09:44.424	-0.0	25.5		2.53		TAS					m_e

BUG	151.37	PKPdf	10:09:43.170	0.1	29.0	1.32	TAS	m_e
BUG	151.37	PKPbc	10:09:51.955	0.3	25.5	2.53	TAS	m_e
BUG	151.37	PKPab	10:10:07.977	0.7	24.6	4.08	TAS	m_e
CLL	150.20	PKPdf	10:09:41.228	0.1	29.0	1.32	TAS	m_e
CLL	150.20	PKPbc	10:09:48.055	-0.4	25.5	2.53	TAS	m_e
CLZ	150.37	PKPdf	10:09:42.064	0.1	29.0	1.32	TAS	m_e
CLZ	150.37	PKPbc	10:09:48.820	-0.7	25.5	2.53	TAS	m_e
CLZ	150.37	PKPab	10:10:04.224	-0.7	24.6	4.08	TAS	m_e
FLT1	149.72	PKPdf	10:09:40.687	0.1	29.0	1.32	TAS	m_e
FLT1	149.72	PKPbc	10:09:46.945	-0.5	25.5	2.53	TAS	m_e
FLT1	149.72	PKPab	10:10:00.955	0.2	24.6	4.08	TAS	m_e
FUR	153.51	PKPdf	10:09:45.657		29.0	1.32	TAS	m_e
FUR	153.51	PKPab	10:10:16.442		24.6	4.08	TAS	m_e
GEC2	152.16	PKPdf	10:09:43.879	-0.3	29.0	1.32	TAS	m_e
GEC2	152.16	PKPbc	10:09:53.403	0.1	25.5	2.53	TAS	m_e
GEC2	152.16	PKPab	10:10:11.156	-0.1	24.6	4.08	TAS	m_e
GRA1	152.15	PKPdf	10:09:44.020	0.1	29.0	1.32	TAS	m_e
GRA1	152.15	PKPbc	10:09:53.608	-0.8	25.5	2.53	TAS	m_e
GRA1	152.15	PKPab	10:10:11.948	-0.3	24.6	4.08	TAS	m_e
GTTG	150.74	PKPdf	10:09:42.372	0.0	29.0	1.32	TAS	m_e
GTTG	150.74	PKPbc	10:09:50.912	0.9	25.5	2.53	TAS	m_e
GTTG	150.74	PKPab	10:10:05.768	0.4	24.6	4.08	TAS	m_e
HLG	148.63	PKPbc	10:09:45.097	-0.2	25.5	2.53	TAS	m_e
IBBN	150.46	PKPdf	10:09:42.259	-0.3	29.0	1.32	TAS	m_e
IBBN	150.46	PKPbc	10:09:50.271	0.7	25.5	2.53	TAS	m_e
IBBN	150.46	PKPab	10:10:04.773	-0.2	24.6	4.08	TAS	m_e
KAST	151.39	PKPdf	10:09:43.412	0.5	29.0	1.32	TAS	m_e
KAST	151.39	PKPbc	10:09:52.141	0.1	25.5	2.53	TAS	m_e
KAST	151.39	PKPab	10:10:08.205	-0.4	24.6	4.08	TAS	m_e
MOX	151.17	PKPdf	10:09:42.712	0.0	29.0	1.32	TAS	m_e
MOX	151.17	PKPbc	10:09:51.422	0.4	25.5	2.53	TAS	m_e
MOX	151.17	PKPab	10:10:07.330	0.0	24.6	4.08	TAS	m_e
NEUB	150.63	PKPdf	10:09:42.067	0.1	29.0	1.32	TAS	m_e
NEUB	150.63	PKPbc	10:09:50.461	0.8	25.5	2.53	TAS	m_e
NEUB	150.63	PKPab	10:10:05.069	0.8	24.6	4.08	TAS	m_e
PLN	151.17	PKPdf	10:09:42.767	-0.1	29.0	1.32	TAS	m_e
PLN	151.17	PKPbc	10:09:51.520	-0.1	25.5	2.53	TAS	m_e
PLN	151.17	PKPab	10:10:07.325	0.4	24.6	4.08	TAS	m_e
RGN	147.19	PKPbc	10:09:41.494	0.3	25.5	2.53	TAS	m_e
RUE	148.94	PKPbc	10:09:45.408	-0.1	25.5	2.53	TAS	m_e
SCHI	148.40	PKPbc	10:09:44.359	0.1	25.5	2.53	TAS	m_e
STU	153.51	PKPdf	10:09:45.986		29.0	1.32	TAS	m_e
STU	153.51	PKPab	10:10:16.389		24.6	4.08	TAS	m_e
TANN	151.15	PKPdf	10:09:42.718	0.2	29.0	1.32	TAS	m_e
TANN	151.15	PKPbc	10:09:51.963	0.3	25.5	2.53	TAS	m_e
TANN	151.15	PKPab	10:10:07.353	-0.3	24.6	4.08	TAS	m_e
TNS	152.31	PKPdf	10:09:44.577		29.0	1.32	TAS	m_e
TNS	152.31	PKPbc	10:09:54.218	-0.1	25.5	2.53	TAS	m_e
TNS	152.31	PKPab	10:10:12.506		24.6	4.08	TAS	m_e

./bul2211.txt Thu Feb 15 10:44:56 2024 21

UBR	154.28	PKPdf	10:09:46.600	29.0	1.32	TAS	m_e
UBR	154.28	PKPbc	10:09:58.912	25.5	2.53	TAS	m_e
UBR	154.28	PKPab	10:10:19.762	24.6	4.08	TAS	m_e
WET	152.16	PKPdf	10:09:44.081	-0.1 29.0	1.32	TAS	m_e
WET	152.16	PKPbc	10:09:53.564	-0.3 25.5	2.53	TAS	m_e
WET	152.16	PKPab	10:10:11.741	-0.4 24.6	4.08	TAS	m_e
WLF	153.27	PKPdf	10:09:46.454	29.0	1.32	TAS	m_e
WLF	153.27	PKPbc	10:09:56.689	0.0 25.5	2.53	TAS	m_e
WLF	153.27	PKPab	10:10:17.173	24.6	4.08	TAS	m_e

Event 21109007 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	10:14:38.18			-25.8200	177.8200				671.3	0.6		29		149.04	156.06	m i ke	BGR
21109013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	154.23		PKPdf	10:33:15.054	-0.0	27.9		1.32		TAS					m_e
AHRW	154.23		PKPab	10:33:42.547		24.3		4.28		TAS					m_e
ASSE	151.91		PKPdf	10:33:11.798	-0.2	27.9		1.32		TAS					m_e
ASSE	151.91		PKPbc	10:33:19.376	0.0	24.6		2.14		TAS					m_e
BFO	155.99		PKPdf	10:33:17.107		27.9		1.32		TAS					m_e
BFO	155.99		PKPab	10:33:50.551		24.3		4.28		TAS					m_e
BRG	152.04		PKPdf	10:33:12.129	-0.1	27.9		1.32		TAS					m_e
BRG	152.04		PKPbc	10:33:19.918	0.0	24.6		2.14		TAS					m_e
BSEG	150.35		PKPbc	10:33:15.966	-0.0	24.6		2.14		TAS					m_e
BUG	153.34		PKPdf	10:33:13.686	0.1	27.9		1.32		TAS					m_e
BUG	153.34		PKPbc	10:33:22.099	0.0	24.6		2.14		TAS					m_e
CLL	151.97		PKPdf	10:33:11.822	0.1	27.9		1.32		TAS					m_e
CLL	151.97		PKPbc	10:33:19.562	-0.1	24.6		2.14		TAS					m_e
CLZ	152.25		PKPdf	10:33:12.694	0.1	27.9		1.32		TAS					m_e
CLZ	152.25		PKPbc	10:33:20.463	0.4	24.6		2.14		TAS					m_e
CLZ	152.25		PKPab	10:33:34.666	-0.1	24.3		4.28		TAS					m_e
FLT1	151.58		PKPdf	10:33:11.289	0.3	27.9		1.32		TAS					m_e
FLT1	151.58		PKPbc	10:33:18.509	-0.1	24.6		2.14		TAS					m_e
FUR	155.26		PKPdf	10:33:16.336		27.9		1.32		TAS					m_e
FUR	155.26		PKPab	10:33:47.984		24.3		4.28		TAS					m_e
GEC2	153.83		PKPdf	10:33:14.486	0.5	27.9		1.32		TAS					m_e
GEC2	153.83		PKPbc	10:33:23.620		24.6		2.14		TAS					m_e
GEC2	153.83		PKPab	10:33:41.532		24.3		4.28		TAS					m_e
GOR1	150.97		PKPdf	10:33:10.861	0.0	27.9		1.32		TAS					m_e
GOR1	150.97		PKPbc	10:33:17.450	0.1	24.6		2.14		TAS					m_e
GRA1	153.94		PKPdf	10:33:14.708	0.1	27.9		1.32		TAS					m_e
GRA1	153.94		PKPbc	10:33:23.952	-0.3	24.6		2.14		TAS					m_e

GRA1	153.94	PKPab	10:33:42.362		24.3	4.28	TAS	m_e
GTTG	152.62	PKPdf	10:33:12.868	-0.3	27.9	1.32	TAS	m_e
GTTG	152.62	PKPbc	10:33:21.012	0.1	24.6	2.14	TAS	m_e
GTTG	152.62	PKPab	10:33:36.103	-0.0	24.3	4.28	TAS	m_e
HLG	150.62	PKPbc	10:33:16.684	-0.0	24.6	2.14	TAS	m_e
IBBN	152.43	PKPdf	10:33:12.628	-0.1	27.9	1.32	TAS	m_e
IBBN	152.43	PKPab	10:33:35.001	-0.4	24.3	4.28	TAS	m_e
KAST	153.32	PKPdf	10:33:13.952	-0.1	27.9	1.32	TAS	m_e
KAST	153.32	PKPbc	10:33:22.355	0.2	24.6	2.14	TAS	m_e
KAST	153.32	PKPab	10:33:38.698		24.3	4.28	TAS	m_e
MOX	152.98	PKPdf	10:33:13.296	-0.1	27.9	1.32	TAS	m_e
MOX	152.98	PKPbc	10:33:21.700	-0.4	24.6	2.14	TAS	m_e
MOX	152.98	PKPab	10:33:37.660	0.1	24.3	4.28	TAS	m_e
MOX	152.98	pPKPbc	10:35:52.970				T__	m_e
NEUB	152.45	PKPdf	10:33:12.735	-0.1	27.9	1.32	TAS	m_e
NEUB	152.45	PKPbc	10:33:20.643	0.1	24.6	2.14	TAS	m_e
NEUB	152.45	PKPab	10:33:35.296	0.1	24.3	4.28	TAS	m_e
PLN	152.95	PKPdf	10:33:13.260	0.1	27.9	1.32	TAS	m_e
PLN	152.95	PKPbc	10:33:21.743	-0.0	24.6	2.14	TAS	m_e
PLN	152.95	PKPab	10:33:37.728	0.2	24.3	4.28	TAS	m_e
PLN	152.95	pPKPbc	10:35:52.801				T__	m_e
RGN	149.04	PKPbc	10:33:12.965	-0.2	24.6	2.14	TAS	m_e
RUE	150.72	PKPdf	10:33:10.615	-0.2	27.9	1.32	TAS	m_e
RUE	150.72	PKPbc	10:33:16.934	0.0	24.6	2.14	TAS	m_e
SCHI	150.24	PKPbc	10:33:15.896	0.1	24.6	2.14	TAS	m_e
STU	155.35	PKPdf	10:33:16.694		27.9	1.32	TAS	m_e
STU	155.35	PKPab	10:33:47.962		24.3	4.28	TAS	m_e
TANN	152.92	PKPdf	10:33:13.333	0.1	27.9	1.32	TAS	m_e
TANN	152.92	PKPbc	10:33:21.753	0.0	24.6	2.14	TAS	m_e
TANN	152.92	PKPab	10:33:37.718	0.2	24.3	4.28	TAS	m_e
TANN	152.92	pPKPbc	10:35:52.928				T__	m_e
TNS	154.22	PKPdf	10:33:15.201	-0.2	27.9	1.32	TAS	m_e
TNS	154.22	PKPab	10:33:42.847		24.3	4.28	TAS	m_e
UBR	156.06	PKPdf	10:33:17.272		27.9	1.32	TAS	m_e
UBR	156.06	PKPab	10:33:50.807		24.3	4.28	TAS	m_e
WET	153.87	PKPdf	10:33:14.615	0.2	27.9	1.32	TAS	m_e
WET	153.87	PKPab	10:33:41.980		24.3	4.28	TAS	m_e
WLF	155.25	PKPdf	10:33:17.032	-0.1	27.9	1.32	TAS	m_e
WLF	155.25	PKPab	10:33:47.306		24.3	4.28	TAS	m_e

Event 21109010 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	12:10:03.54	0.55	0.86	43.8300	13.4380	6.7	5.6	167	10.0				26 297	2.79	7.24	m i ke	BGR
21109016																	

Magnitude Err Nsta Author OrigID
 ML 4.1 BGR 21109016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	3.72		Pn	12:10:59.753	0.1					T__				m_e	ML 3.6
BERGE	5.46		Sn	12:12:19.313	-1.5					T__				m_e	
BERGE	5.46		Pn	12:11:22.423	-0.7					T__				m_e	ML 3.9
BFO	5.73		Sn	12:12:27.135	-0.0					T__				m_e	
BFO	5.73		Pn	12:11:26.562	-0.2					T__				m_e	ML 4.0
BIOA	3.86		Pn	12:11:02.161	0.6					T__				m_e	ML 4.2
DAVA	4.26		Sn	12:11:55.523	2.6					T__				m_e	
DAVA	4.26		Pn	12:11:07.721	0.8					T__				m_e	ML 4.2
GEC2	5.02		Sn	12:12:11.471	1.0					T__				m_e	
GEC2	5.02		Pn	12:11:16.754	-0.4					T__				m_e	ML 4.0
GRA1	6.05		Sn	12:12:33.992	-0.8					T__				m_e	ML 4.4
KBA	3.25		Sn	12:11:30.120	1.0					T__				m_e	
KBA	3.25		Pn	12:10:53.616	0.4					T__				m_e	ML 3.9
KBA	3.25		Pg	12:11:04.709	0.0					T__				m_e	
LESA	3.63		Pn	12:10:58.373	-0.1					T__				m_e	ML 4.0
MANZ	6.22		Sn	12:12:37.553	-1.1					T__				m_e	
MANZ	6.22		Pn	12:11:33.458	0.1					T__				m_e	ML 4.0
METMA	5.31		Sn	12:12:15.824	-1.5					T__				m_e	
METMA	5.31		Pn	12:11:20.171	-0.9					T__				m_e	ML 3.9
MOA	4.06		Pn	12:11:04.582	0.4					T__				m_e	ML 3.7
MOTA	3.88		Pn	12:11:02.803	1.1					T__				m_e	ML 4.1
MOX	6.93		Sn	12:12:54.648	-0.4					T__				m_e	
MOX	6.93		Pn	12:11:41.306	-1.5					T__				m_e	ML 4.1
OBKA	2.79		Sg	12:11:32.174	0.0					T__				m_e	
OBKA	2.79		Pn	12:10:46.952	-0.1					T__				m_e	
OBKA	2.79		Pg	12:10:54.951	-1.1					T__				m_e	
RETA	4.11		Pn	12:11:05.837	1.0					T__				m_e	ML 3.9
RJOB	3.93		Pn	12:11:03.025	0.6					T__				m_e	ML 3.8
ROTZ	6.00		Sn	12:12:32.380	-1.0					T__				m_e	
ROTZ	6.00		Pn	12:11:29.239	-1.1					T__				m_e	ML 3.9
SQTA	3.73		Pn	12:11:00.763	1.0					T__				m_e	ML 4.3
STU	5.75		Sn	12:12:27.631	0.1					T__				m_e	ML 4.4
TNS	7.24		Sn	12:13:03.324	0.9					T__				m_e	
TNS	7.24		Pn	12:11:46.751	-0.3					T__				m_e	ML 4.3
UBR	4.50		Sn	12:11:58.440	0.1					T__				m_e	
UBR	4.50		Pn	12:11:10.210	0.1					T__				m_e	ML 4.3
WALHA	4.95		Sn	12:12:08.380	-0.5					T__				m_e	
WALHA	4.95		Pn	12:11:15.712	-0.5					T__				m_e	ML 4.3
WET	5.33		Sn	12:12:17.614	-0.1					T__				m_e	
WET	5.33		Pn	12:11:20.481	-0.8					T__				m_e	ML 3.9
WTTA	3.66		Sn	12:11:39.925	1.2					T__				m_e	
WTTA	3.66		Pn	12:10:59.342	0.6					T__				m_e	ML 4.5
ZUGS	3.98		Pn	12:11:04.166	1.1					T__				m_e	ML 4.2

Event 21109008 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/09	17:49:51.36			-25.5100	177.7600				682.0			25		149.93	155.68	m i ke	BGR
OrigID 21109014																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	153.92		PKPbc	18:08:35.749		25.2		2.11		TAS					m_e
ASSE	151.60		PKPbc	18:08:30.920	-0.1	25.2		2.11		TAS					m_e
ASSE	151.60		PKPab	18:08:44.364	-0.0	26.2		4.38		TAS					m_e
BFO	155.68		PKPab	18:09:02.013		26.2		4.38		TAS					m_e
BRG	151.74		PKPbc	18:08:31.451	0.3	25.2		2.11		TAS					m_e
BRG	151.74		PKPab	18:08:45.253	-0.0	26.2		4.38		TAS					m_e
BSEG	150.03		PKPbc	18:08:27.519	-0.1	25.2		2.11		TAS					m_e
CLL	151.66		PKPbc	18:08:31.061	0.0	25.2		2.11		TAS					m_e
CLL	151.66		PKPab	18:08:44.746	0.4	26.2		4.38		TAS					m_e
CLL	151.66		pPKPbc	18:11:04.181						T__					m_e
CLZ	151.94		PKPbc	18:08:31.982	0.1	25.2		2.11		TAS					m_e
CLZ	151.94		PKPab	18:08:46.085	0.0	26.2		4.38		TAS					m_e
FLT1	151.27		PKPbc	18:08:30.093	0.0	25.2		2.11		TAS					m_e
FLT1	151.27		PKPab	18:08:42.691	0.0	26.2		4.38		TAS					m_e
FUR	154.95		PKPab	18:08:59.498		26.2		4.38		TAS					m_e
GEC2	153.53		PKPbc	18:08:35.117	-0.1	25.2		2.11		TAS					m_e
GEC2	153.53		PKPab	18:08:52.964		26.2		4.38		TAS					m_e
GOR1	150.66		PKPbc	18:08:29.078	-0.1	25.2		2.11		TAS					m_e
GRA1	153.63		PKPbc	18:08:35.411		25.2		2.11		TAS					m_e
GRA1	153.63		PKPab	18:08:53.753		26.2		4.38		TAS					m_e
GTTG	152.31		PKPab	18:08:47.578	0.1	26.2		4.38		TAS					m_e
HLG	150.31		PKPbc	18:08:28.291	0.0	25.2		2.11		TAS					m_e
IBBN	152.11		PKPab	18:08:46.495	-0.0	26.2		4.38		TAS					m_e
KAST	153.00		PKPbc	18:08:33.896	0.1	25.2		2.11		TAS					m_e
KAST	153.00		PKPab	18:08:51.325	0.1	26.2		4.38		TAS					m_e
MOX	152.67		PKPbc	18:08:33.223	-0.0	25.2		2.11		TAS					m_e
MOX	152.67		PKPab	18:08:49.058	0.2	26.2		4.38		TAS					m_e
NEUB	152.14		PKPbc	18:08:32.154	0.1	25.2		2.11		TAS					m_e
NEUB	152.14		PKPab	18:08:46.731	-0.4	26.2		4.38		TAS					m_e
PLN	152.65		PKPbc	18:08:33.323	-0.2	25.2		2.11		TAS					m_e
PLN	152.65		PKPab	18:08:49.033		26.2		4.38		TAS					m_e
RUE	150.41		PKPbc	18:08:28.540	0.1	25.2		2.11		TAS					m_e
SCHI	149.93		PKPbc	18:08:27.310	-0.1	25.2		2.11		TAS					m_e
STU	155.04		PKPab	18:08:59.448		26.2		4.38		TAS					m_e
TANN	152.61		PKPbc	18:08:33.217	-0.0	25.2		2.11		TAS					m_e
TANN	152.61		PKPab	18:08:49.004		26.2		4.38		TAS					m_e
TNS	153.91		PKPbc	18:08:35.813		25.2		2.11		TAS					m_e
TNS	153.91		PKPab	18:08:54.349		26.2		4.38		TAS					m_e

WET	153.57	PKPbc	18:08:35.276	25.2	2.11	TAS	m_e
WET	153.57	PKPab	18:08:53.395	26.2	4.38	TAS	m_e

Event 21110001 Eastern Xizang-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/10	05:01:12.57			28.1410	93.6340				33.0			26		62.17	67.52	m i ke	BGR
OrigID 21110007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	21110007
MBB	6.2		BGR	21110007
Ms	5.7		BGR	21110007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	66.69		P	05:11:59.296		76.1		6.56		TAS		69.2	1.31	a_e	MBB 6.1
ASSE	64.11		P	05:11:42.096	0.3	76.1		6.56		TAS		108.6	1.53	a_e	MBB 6.2
BFO	66.54		P	05:11:57.996		76.1		6.56		TAS		88.6	1.40	a_e	MBB 6.0
BRG	62.38		P	05:11:30.996	-0.5	76.1		6.56		TAS		62.9	1.19	a_e	MBB 6.0
BSEG	63.91		P	05:11:41.541	0.5	76.1		6.56		TAS		145.2	1.20	m_e	MBB 6.3
BUG	66.32		P	05:11:56.846		76.1		6.56		TAS		173.1	1.44	a_e	MBB 6.3
CLL	62.87		P	05:11:33.846	-0.0	76.1		6.56		TAS		58.0	1.31	a_e	MBB 5.8
CLZ	64.35		P	05:11:44.319	0.5	76.1		6.56		TAS		140.0	1.16	m_e	MBB 6.3
FLT1	63.72		P	05:11:39.258	0.8	76.1		6.56		TAS		147.0	1.41	m_e	MBB 6.2
FUR	64.69		P	05:11:46.746	-0.1	76.1		6.56		TAS		136.4	0.99	a_e	MBB 6.5
GEC2	62.96		P	05:11:35.246	0.2	76.1		6.56		TAS		102.4	1.25	a_e	MBB 6.1
GOR1	63.54		P	05:11:38.796	-0.2	76.1		6.56		TAS		308.6	1.53	a_e	MBB 6.5
GRA1	64.34		S	05:20:26.319						T__					m_e
GRA1	64.34		SS	05:24:35.876						T__					m_e
GRA1	64.34		P	05:11:44.588	0.1	76.1		6.56		TAS		190.8	1.39	m_e	mb 6.1
GRA1	64.34		PP	05:14:10.977						T__					m_e
GRA1	64.34		L	05:42:22.098						T__		6143.2	18.70	a_e	Ms 5.8
GTTG	64.67		P	05:11:46.196	-0.3	76.1		6.56		TAS		142.2	1.27	a_e	MBB 6.3
IBBN	65.80		P	05:11:53.396	-0.5	76.1		6.56		TAS		166.0	1.29	a_e	MBB 6.3
KAST	65.70		P	05:11:52.796	-0.1	76.1		6.56		TAS		80.4	1.49	a_e	MBB 6.1
MOX	63.87		S	05:20:20.395						T__					m_e
MOX	63.87		SS	05:24:21.059						T__					m_e
MOX	63.87		P	05:11:40.896	-0.3	76.1		6.56		TAS		77.7	1.31	a_e	MBB 6.0
MOX	63.87		PP	05:14:00.567						T__					m_e
MOX	63.87		L	05:44:04.488						T__		3781.6	18.40	a_e	Ms 5.6
NEUB	63.65		P	05:11:39.331	-0.1	76.1		6.56		TAS		99.0	1.08	m_e	MBB 6.3
PLN	63.57		P	05:11:38.898	-0.6	76.1		6.56		TAS		28.6	1.31	m_e	MBB 5.7
RUE	62.17		P	05:11:29.445	-0.2	76.1		6.56		TAS		104.7	1.01	m_e	MBB 6.4
STU	65.86		P	05:11:54.146	-0.2	76.1		6.56		TAS		462.8	1.28	a_e	MBB 6.8
TANN	63.40		P	05:11:37.846	0.3	76.1		6.56		TAS		67.0	1.24	m_e	MBB 5.9
TNS	65.94		P	05:11:54.526	0.2	76.1		6.56		TAS		83.3	1.25	m_e	MBB 6.1

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UBR	65.57	P	05:11:51.746	-0.0	76.1	6.56	TAS	57.1	1.14	a_e	MBB	6.3
WET	63.42	P	05:11:38.225	-0.1	76.1	6.56	TAS	67.7	1.22	m_e	MBB	6.1
WLF	67.52	P	05:12:05.146		76.1	6.56	TAS	329.6	1.30	a_e	MBB	6.6

Event 21110002 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/10	12:35:53.85	0.62	0.83	43.8010	13.4630	8.9	6.7	124	10.0			21	302	2.81	7.28	m i ke	BGR
21110008																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	21110008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	3.74		Pn	12:36:50.309	0.1					T__				m_e	ML 3.9
BFO	5.76		Sn	12:38:18.367	0.1					T__				m_e	
BFO	5.76		Pn	12:37:17.324	-0.2					T__				m_e	ML 4.1
BIOA	3.89		Pn	12:36:52.396	0.2					T__				m_e	ML 4.3
DAVA	4.30		Sn	12:37:42.242	-1.7					T__				m_e	
DAVA	4.30		Pn	12:36:58.789	1.1					T__				m_e	ML 4.2
GEC2	5.04		Sn	12:38:01.876	0.4					T__				m_e	
GEC2	5.04		Pn	12:37:07.120	-0.7					T__				m_e	ML 4.2
GRA1	6.09		Sn	12:38:26.353	0.6					T__				m_e	ML 4.5
KBA	3.28		Sn	12:37:21.510	1.4					T__				m_e	
KBA	3.28		Pn	12:36:43.153	-0.8					T__				m_e	ML 4.1
LESA	3.66		Sn	12:37:30.479	1.3					T__				m_e	
LESA	3.66		Pn	12:36:49.295	0.1					T__				m_e	ML 4.0
MANZ	6.25		Sn	12:38:29.753	0.1					T__				m_e	
MOA	4.09		Pn	12:36:55.059	0.2					T__				m_e	ML 3.9
MOX	6.96		Sn	12:38:45.581	-0.5					T__				m_e	
MOX	6.96		Pn	12:37:32.247	-1.3					T__				m_e	ML 4.3
OBER	4.23		Pn	12:36:57.722	0.9					T__				m_e	ML 4.1
OBKA	2.81		Sg	12:37:23.532	0.3					T__				m_e	
OBKA	2.81		Pn	12:36:37.245	-0.5					T__				m_e	ML 4.5
OBKA	2.81		Pg	12:36:45.924	-0.9					T__				m_e	
PART	4.04		Pn	12:36:55.828	1.5					T__				m_e	ML 4.0
RJOB	3.96		Pn	12:36:53.590	0.4					T__				m_e	ML 3.9
ROTZ	6.03		Sn	12:38:23.503	-0.9					T__				m_e	
ROTZ	6.03		Pn	12:37:19.824	-1.2					T__				m_e	ML 3.5
TNS	7.28		Sn	12:38:52.479	-1.1					T__				m_e	
TNS	7.28		Pn	12:37:37.972	0.1					T__				m_e	ML 4.4
UBR	4.53		Pn	12:37:01.181	0.3					T__				m_e	ML 4.3
WET	5.36		Sn	12:38:08.787	0.0					T__				m_e	
WET	5.36		Pn	12:37:10.967	-1.0					T__				m_e	ML 3.9
WTTA	3.69		Pn	12:36:50.312	0.8					T__				m_e	ML 4.5
ZUGS	4.01		Pn	12:36:54.785	0.9					T__				m_e	

Event 21110003 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/10	17:54:13.99	0.60	0.72	43.7870	13.5330	7.8	6.7	119	10.0			25	302	2.81	7.31	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	21110009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	3.73		Pn	17:55:10.750	0.5					T__				m_e	ML 4.0
BFO	5.81		Sn	17:56:39.629	0.2					T__				m_e	
BFO	5.81		Pn	17:55:37.645	-0.6					T__				m_e	ML 4.2
BIOA	3.90		Pn	17:55:13.046	0.5					T__				m_e	ML 4.4
DAVA	4.34		Pn	17:55:18.776	0.4					T__				m_e	ML 4.3
FETA	3.79		Pn	17:55:11.124	0.1					T__				m_e	ML 4.1
GEC2	5.06		Sn	17:56:23.229	1.3					T__				m_e	
GEC2	5.06		Sg	17:56:52.916						T__				m_e	
GEC2	5.06		Pn	17:55:27.639	-0.5					T__				m_e	ML 4.3
GRA1	6.11		Sn	17:56:45.876	-0.7					T__				m_e	
GRA1	6.11		Pn	17:55:41.053	-1.3					T__				m_e	ML 4.6
KBA	3.29		Sn	17:55:41.981	1.4					T__				m_e	
KBA	3.29		Pn	17:55:04.420	0.1					T__				m_e	ML 4.1
KW1	4.38		Pn	17:55:19.392	0.4					T__				m_e	ML 4.9
LESA	3.68		Pn	17:55:09.896	0.3					T__				m_e	ML 4.1
MANZ	6.27		Sn	17:56:48.885	-1.4					T__				m_e	
MANZ	6.27		Pn	17:55:43.579	-0.9					T__				m_e	ML 3.5
MOA	4.09		Pn	17:55:15.626	0.5					T__				m_e	ML 4.0
MOTA	3.94		Pn	17:55:13.870	0.8					T__				m_e	ML 4.2
MOX	6.98		Sn	17:57:06.570	-0.2					T__				m_e	
MOX	6.98		Pn	17:55:52.768	-1.2					T__				m_e	ML 4.3
OBER	4.27		Pn	17:55:17.824	0.3					T__				m_e	ML 4.2
OBKA	2.81		Sg	17:55:43.700	0.4					T__				m_e	
OBKA	2.81		Pn	17:54:57.723	-0.1					T__				m_e	ML 4.4
OBKA	2.81		Pg	17:55:06.336	-0.7					T__				m_e	
PART	4.08		Pn	17:55:15.692	0.8					T__				m_e	ML 4.1
RETA	4.18		Pn	17:55:16.880	0.6					T__				m_e	ML 4.2
RJOB	3.98		Pn	17:55:13.908	0.3					T__				m_e	ML 3.9
ROTZ	6.05		Sn	17:56:44.202	-0.8					T__				m_e	
ROTZ	6.05		Pn	17:55:40.352	-1.1					T__				m_e	ML 3.5
SQTA	3.80		Pn	17:55:12.077	0.9					T__				m_e	ML 4.4
TNS	7.31		Sn	17:57:14.642	0.1					T__				m_e	
TNS	7.31		Pn	17:55:58.464	-0.0					T__				m_e	ML 4.6
UBR	4.57		Pn	17:55:21.171	-0.4					T__				m_e	ML 4.5
WET	5.38		Sn	17:56:29.534	0.2					T__				m_e	

WET	5.38	Pn	17:55:31.535	-0.8	T__	m_e	ML	3.9
WTTA	3.72	Pn	17:55:10.796	0.7	T__	m_e	ML	4.6

Event 21111001 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/11	10:48:41.65			-21.6100	-172.9600				33.0			29		146.69	153.78	m i ke	BGR
OrigID 21111007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	7.6		BGR	21111007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.03		PKPdf	11:08:26.441	0.1	10.9		1.54		TAS				m_e	
ASSE	149.32		PKPdf	11:08:23.735	-0.2	10.9		1.54		TAS				m_e	
BFO	153.23		PKPdf	11:08:29.688	-0.9	10.9		1.54		TAS				m_e	
BFO	153.23		PKPbc	11:08:36.330		8.2		2.30		TAS				m_e	
BRG	150.21		PKPdf	11:08:25.203	0.0	10.9		1.54		TAS				m_e	
BSEG	147.54		PKPdf	11:08:20.743	-0.5	10.9		1.54		TAS				m_e	
BUG	150.13		PKPdf	11:08:25.022	-0.5	10.9		1.54		TAS				m_e	
CLL	149.91		PKPdf	11:08:24.614	-0.1	10.9		1.54		TAS				m_e	
CLL	149.91		PKPbc	11:08:28.761	-0.3	8.2		2.30		TAS				m_e	
CLZ	149.62		PKPdf	11:08:24.448	0.1	10.9		1.54		TAS				m_e	
FLT1	149.07		PKPdf	11:08:23.727	0.2	10.9		1.54		TAS				m_e	
FUR	153.20		PKPdf	11:08:28.889	-0.2	10.9		1.54		TAS				m_e	
FUR	153.20		PKPbc	11:08:36.429		8.2		2.30		TAS				m_e	
GEC2	152.22		PKPdf	11:08:28.348	0.4	10.9		1.54		TAS				m_e	
GEC2	152.22		PKPbc	11:08:34.279		8.2		2.30		TAS				m_e	
GOR1	148.41		PKPdf	11:08:23.073	0.6	10.9		1.54		TAS				m_e	
GRA1	151.69		PKPdf	11:08:27.467	0.1	10.9		1.54		TAS				m_e	
GRA1	151.69		PKPbc	11:08:33.536		8.2		2.30		TAS				m_e	
GRA1	151.69		L	12:17:06.285						T__	110161.0	21.50	a_e	Ms	7.6
GTTG	149.94		PKPdf	11:08:24.937	0.0	10.9		1.54		TAS				m_e	
HLG	147.38		PKPdf	11:08:20.440	-0.8	10.9		1.54		TAS				m_e	
IBBN	149.26		PKPdf	11:08:25.979	1.9	10.9		1.54		TAS				m_e	
KAST	150.35		PKPdf	11:08:25.591	-0.1	10.9		1.54		TAS				m_e	
MOX	150.71		PKPdf	11:08:25.973	-0.4	10.9		1.54		TAS				m_e	
MOX	150.71		PKPbc	11:08:30.215		8.2		2.30		TAS				m_e	
MOX	150.71		L	12:19:15.690						T__	107860.0	21.10	a_e	Ms	7.6
NEUB	150.15		PKPdf	11:08:25.155	0.0	10.9		1.54		TAS				m_e	
PLN	150.81		PKPdf	11:08:26.207	0.1	10.9		1.54		TAS				m_e	
PLN	150.81		PKPbc	11:08:30.957		8.2		2.30		TAS				m_e	
RGN	146.69		PKPdf	11:08:18.247	-1.5	10.9		1.54		TAS				m_e	
RUE	148.67		PKPdf	11:08:23.782	1.0	10.9		1.54		TAS				m_e	
SCHI	147.93		PKPdf	11:08:22.238	0.6	10.9		1.54		TAS				m_e	
STU	152.75		PKPdf	11:08:29.630	-0.4	10.9		1.54		TAS				m_e	

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STU	152.75	PKPbc	11:08:35.547		8.2	2.30	TAS	m_e
TANN	150.85	PKPdf	11:08:26.259	-0.2	10.9	1.54	TAS	m_e
TANN	150.85	PKPbc	11:08:30.998		8.2	2.30	TAS	m_e
TNS	151.33	PKPdf	11:08:26.954	0.5	10.9	1.54	TAS	m_e
TNS	151.33	PKPbc	11:08:31.967		8.2	2.30	TAS	m_e
UBR	153.78	PKPdf	11:08:30.526		10.9	1.54	TAS	m_e
UBR	153.78	PKPbc	11:08:37.466		8.2	2.30	TAS	m_e
WET	152.04	PKPdf	11:08:28.140	0.1	10.9	1.54	TAS	m_e
WET	152.04	PKPbc	11:08:33.944		8.2	2.30	TAS	m_e
WLF	151.90	PKPdf	11:08:28.802	-0.0	10.9	1.54	TAS	m_e
WLF	151.90	PKPbc	11:08:34.124		8.2	2.30	TAS	m_e

Event 21111002 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/11	11:57:33.39			-17.9510	-171.9360				10.0			12		145.51	149.60	m i ke	BGR
21111008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.60		PKPbc	12:17:23.148		5.7		2.77		TAS					m_e
BRG	146.73		PKPbc	12:17:15.727	0.1	5.7		2.77		TAS					m_e
CLL	146.40		PKPbc	12:17:14.332	0.5	5.7		2.77		TAS					m_e
CLZ	146.04		PKPbc	12:17:13.535	0.0	5.7		2.77		TAS					m_e
FLT1	145.51		PKPbc	12:17:11.663	-0.2	5.7		2.77		TAS					m_e
GTTG	146.35		PKPbc	12:17:14.733	-1.4	5.7		2.77		TAS					m_e
IBBN	145.62		PKPbc	12:17:12.187	-0.2	5.7		2.77		TAS					m_e
KAST	146.73		PKPbc	12:17:15.749	0.1	5.7		2.77		TAS					m_e
MOX	147.16		PKPbc	12:17:16.488	-0.2	5.7		2.77		TAS					m_e
NEUB	146.61		PKPbc	12:17:13.453	0.4	5.7		2.77		TAS					m_e
PLN	147.28		PKPbc	12:17:16.855		5.7		2.77		TAS					m_e
TANN	147.33		PKPbc	12:17:17.183		5.7		2.77		TAS					m_e

Event 21111004 Southern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/11	14:31:52.50			-15.5700	-13.3100				10.0					68.54	68.54	m i ke	NEIC
21111043																	

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 21111010

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	68.54		P	14:42:55.287		205.5		6.55		TAS		17.2	1.18	m_e mb	5.2

Event 21111005 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/11	17:32:19.13		24.3840	130.6720					10.0			18		85.78	91.29	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	21111011
Ms	5.4		BGR	21111011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.07		P	17:45:22.520		52.5		4.72		TAS		24.9	1.34	m_e mb	5.4
BRG	86.62		P	17:45:01.283	-0.5	52.5		4.72		TAS		64.2	1.30	m_e mb	5.6
BSEG	86.57		P	17:45:01.464	-0.0	52.5		4.72		TAS		67.7	1.25	m_e mb	5.6
CLL	86.85		P	17:45:02.518	-0.3	52.5		4.72		TAS		58.7	1.13	m_e mb	5.6
CLZ	87.83		P	17:45:07.458	-0.0	52.5		4.72		TAS		37.1	1.21	m_e mb	5.6
FLT1	87.11		P	17:45:03.832	-0.2	52.5		4.72		TAS		39.3	1.18	m_e mb	5.4
GEC2	87.93		P	17:45:07.884	-0.1	52.5		4.72		TAS		48.3	1.13	m_e mb	5.7
GOR1	86.68		P	17:45:02.426	0.4	52.5		4.72		TAS		89.3	1.34	m_e mb	5.7
GRA1	88.73		P	17:45:12.258	0.6	52.5		4.72		TAS		10.7	1.16	m_e mb	5.0
GRA1	88.73		L	18:27:23.237						T__		1351.6	20.00	m_e Ms	5.4
GTTG	88.22		P	17:45:09.425	0.1	52.5		4.72		TAS		18.7	0.89	m_e mb	5.4
MOX	87.95		P	17:45:08.164	0.1	52.5		4.72		TAS		19.1	1.20	m_e mb	5.3
MOX	87.95		L	18:28:09.399						T__		1404.0	19.20	a_e Ms	5.4
NEUB	87.54		P	17:45:06.126	0.0	52.5		4.72		TAS		46.3	1.12	m_e mb	5.7
PLN	87.77		P	17:45:07.284	0.1	52.5		4.72		TAS		7.5	1.03	m_e mb	5.0
RUE	85.78		P	17:44:57.585	-0.2	52.5		4.72		TAS		174.5	1.17	m_e mb	6.1
TANN	87.66		P	17:45:06.816	0.2	52.5		4.72		TAS		24.5	1.09	m_e mb	5.5
UBR	90.55		P	17:45:20.256		52.5		4.72		TAS		43.6	1.22	m_e mb	5.7
WET	88.19		P	17:45:09.419	0.2	52.5		4.72		TAS		26.7	1.26	m_e mb	5.4
WLF	91.29		P	17:45:23.603		52.5		4.72		TAS		44.6	1.15	m_e mb	5.7

Event 21111007 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/11	20:41:44.30	1.56	43.9310	13.4130		17.8	7.8	162	366.8	17.1		26		3.15	7.38	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	3.63		Pn	20:42:06.419						T__					m_e
BALST	5.26		Pn	20:42:27.720						T__					m_e
BFO	5.64		Pn	20:42:32.674						T__					m_e
BIOA	3.76		Pn	20:42:08.457						T__					m_e
BRG	6.95		Pn	20:42:50.418						T__					m_e
CLL	7.38		Pn	20:42:56.407						T__					m_e
DAVA	4.17		Pn	20:42:13.971						T__					m_e
FETA	3.62		Pn	20:42:06.123						T__					m_e
GEC2	4.92		Pn	20:42:23.264						T__					m_e
GRA1	5.95		Pn	20:42:36.118						T__					m_e
KBA	3.15		Pn	20:41:59.970						T__					m_e
LESA	3.53		Pn	20:42:04.978						T__					m_e
MOA	3.96		Pn	20:42:11.192						T__					m_e
MOTA	3.78		Pn	20:42:09.501						T__					m_e
MOX	6.82		Pn	20:42:47.937						T__					m_e
PLN	6.61		Pn	20:42:46.060						T__					m_e
PLONS	4.21		Pn	20:42:15.628						T__					m_e
RETA	4.01		Pn	20:42:11.755						T__					m_e
SLE	5.15		Pn	20:42:25.568						T__					m_e
SQTA	3.63		Pn	20:42:06.667						T__					m_e
SULZ	5.16		Pn	20:42:25.983						T__					m_e
TANN	6.52		Pn	20:42:44.658						T__					m_e
TNS	7.14		Pn	20:42:53.088						T__					m_e
UBR	4.40		Pn	20:42:16.602						T__					m_e
WET	5.23		Pn	20:42:26.867						T__					m_e
WILA	4.70		Pn	20:42:20.566						T__					m_e

Event 21112001 Mexico-Guatemala border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/12	04:39:48.97			15.4800	-91.5100				95.0	2.2		20		83.20	88.14	m i ke	BGR
21112007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	21112007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.52		pP	04:52:31.057	0.2					T__					m_e
ASSE	85.19		P	04:52:15.055		287.4		5.10		TAS		35.0	1.55	m_e mb	5.3
ASSE	85.19		pP	04:52:40.070	-0.4					T__					m_e
BRG	87.54		pP	04:52:51.419	0.2					T__					m_e
BSEG	84.40		pP	04:52:36.455	0.1					T__					m_e
BUG	83.39		pP	04:52:29.974	-0.4					T__					m_e
CLL	86.83		P	04:52:23.073		287.4		5.10		TAS		13.0	1.27	m_e mb	4.9
CLL	86.83		pP	04:52:47.722	0.1					T__					m_e

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CLZ	85.10	P	04:52:14.599	-0.0	287.4	5.10	TAS	65.9	1.77	m_e	mb	5.6
CLZ	85.10	pP	04:52:39.542	0.3			T__			m_e		
FLT1	85.45	P	04:52:15.793		287.4	5.10	TAS	11.3	1.06	m_e	mb	5.0
FLT1	85.45	pP	04:52:40.773	0.0			T__			m_e		
GEC2	88.14	pP	04:52:54.016				T__			m_e		
GRA1	86.32	P	04:52:20.486		287.4	5.10	TAS	61.5	1.69	m_e	mb	5.5
GRA1	86.32	pP	04:52:45.507	0.2			T__			m_e		
GTTG	84.96	P	04:52:13.975	0.2	287.4	5.10	TAS	17.5	1.05	m_e	mb	5.2
GTTG	84.96	pP	04:52:38.614	0.2			T__			m_e		
IBBN	83.43	pP	04:52:30.526	-0.2			T__			m_e		
MOX	86.24	P	04:52:19.667		287.4	5.10	TAS	10.0	1.10	m_e	mb	4.9
MOX	86.24	pP	04:52:44.926	0.4			T__			m_e		
NEUB	86.14	pP	04:52:44.535	0.0			T__			m_e		
PLN	86.62	pP	04:52:46.826	-0.4			T__			m_e		
TANN	86.82	pP	04:52:47.991	-0.3			T__			m_e		
TNS	84.46	P	04:52:11.308	0.1	287.4	5.10	TAS	48.6	1.71	m_e	mb	5.5
TNS	84.46	pP	04:52:35.719	0.1			T__			m_e		
UBR	86.29	pP	04:52:44.749	-0.0			T__			m_e		
WET	87.53	P	04:52:26.132		287.4	5.10	TAS	16.6	1.32	m_e	mb	5.2
WET	87.53	pP	04:52:51.470	-0.3			T__			m_e		
WLF	83.20	pP	04:52:28.666	-0.3			T__			m_e		

Event 21112002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/12	07:09:13.95			-21.0140	-177.4970				600.0			25		145.45	152.61	m i ke	BGR
OrigID 21112008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.22		PKPdf	07:27:51.452	-0.3	20.6		1.47		TAS				m_e	
AHRW	150.22		PKPbc	07:27:57.821	0.4	16.7		2.41		TAS				m_e	
ASSE	148.22		PKPdf	07:27:48.122	-0.4	20.6		1.47		TAS				m_e	
ASSE	148.22		PKPbc	07:27:52.805	-0.0	16.7		2.41		TAS				m_e	
BFO	152.26		PKPdf	07:27:54.253	-0.2	20.6		1.47		TAS				m_e	
BFO	152.26		PKPbc	07:28:02.441		16.7		2.41		TAS				m_e	
BRG	148.79		PKPdf	07:27:49.210	0.1	20.6		1.47		TAS				m_e	
BRG	148.79		PKPbc	07:27:54.361	0.2	16.7		2.41		TAS				m_e	
BSEG	146.51		PKPdf	07:27:45.947	-0.2	20.6		1.47		TAS				m_e	
BUG	149.31		PKPdf	07:27:49.935	-0.5	20.6		1.47		TAS				m_e	
BUG	149.31		PKPbc	07:27:55.583	0.1	16.7		2.41		TAS				m_e	
CLL	148.59		PKPdf	07:27:48.914	0.1	20.6		1.47		TAS				m_e	
CLL	148.59		PKPbc	07:27:53.684	0.2	16.7		2.41		TAS				m_e	
CLZ	148.54		PKPdf	07:27:48.914	-0.1	20.6		1.47		TAS				m_e	
CLZ	148.54		PKPbc	07:27:53.945	0.2	16.7		2.41		TAS				m_e	

Magnitude	Err	Nsta	Author	OrigID											
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.66		PKPbc	07:48:16.754	-0.3	16.4		2.46		TAS					m_e
ASSE	147.66		PKPbc	07:48:11.982	0.2	16.4		2.46		TAS					m_e
BFO	151.70		PKPbc	07:48:21.320	-0.5	16.4		2.46		TAS					m_e
BRG	148.25		PKPbc	07:48:13.393	0.1	16.4		2.46		TAS					m_e
BSEG	145.95		PKPbc	07:48:07.284	-0.4	16.4		2.46		TAS					m_e
BUG	148.75		PKPbc	07:48:14.596	-0.2	16.4		2.46		TAS					m_e
CLL	148.04		PKPbc	07:48:12.752	0.0	16.4		2.46		TAS					m_e
CLZ	147.98		PKPbc	07:48:12.957	0.3	16.4		2.46		TAS					m_e
FLT1	147.38		PKPbc	07:48:10.827	-0.3	16.4		2.46		TAS					m_e
GEC2	150.20		PKPbc	07:48:17.959	-0.2	16.4		2.46		TAS					m_e
GOR1	146.73		PKPbc	07:48:09.390	-0.1	16.4		2.46		TAS					m_e
GRA1	149.92		PKPbc	07:48:17.523	0.2	16.4		2.46		TAS					m_e
GTTG	148.33		PKPbc	07:48:13.803	0.3	16.4		2.46		TAS					m_e
HLG	145.98		PKPbc	07:48:07.934	-0.1	16.4		2.46		TAS					m_e
IBBN	147.85		PKPbc	07:48:12.470	-0.1	16.4		2.46		TAS					m_e
KAST	148.87		PKPbc	07:48:15.137	0.2	16.4		2.46		TAS					m_e
MOX	148.93		PKPbc	07:48:15.189	0.3	16.4		2.46		TAS					m_e
NEUB	148.38		PKPbc	07:48:13.930	0.4	16.4		2.46		TAS					m_e
PLN	148.99		PKPbc	07:48:15.291	0.2	16.4		2.46		TAS					m_e
RUE	146.78		PKPbc	07:48:09.267	-0.3	16.4		2.46		TAS					m_e
SCHI	146.13		PKPbc	07:48:07.908	-0.1	16.4		2.46		TAS					m_e
STU	151.14		PKPbc	07:48:20.567	0.1	16.4		2.46		TAS					m_e
TANN	148.99		PKPbc	07:48:15.314	0.2	16.4		2.46		TAS					m_e
TNS	149.82		PKPbc	07:48:17.389	0.1	16.4		2.46		TAS					m_e
UBR	152.06		PKPbc	07:48:22.090	-0.5	16.4		2.46		TAS					m_e
WET	150.11		PKPbc	07:48:17.754	-0.1	16.4		2.46		TAS					m_e
WLF	150.61		PKPbc	07:48:19.858	0.4	16.4		2.46		TAS					m_e

Event 21112004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/12	10:53:00.15			-20.7600	-177.7200				600.0			25		146.23	152.32	m i ke	BGR
21112010																	

Magnitude	Err	Nsta	Author	OrigID											
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.95		PKPbc	11:11:43.601	0.0	15.5		2.50		TAS					m_e
ASSE	147.93		PKPbc	11:11:38.362	-0.1	15.5		2.50		TAS					m_e
BFO	151.98		PKPbc	11:11:48.040	-0.5	15.5		2.50		TAS					m_e
BRG	148.50		PKPbc	11:11:40.126	0.1	15.5		2.50		TAS					m_e
BSEG	146.23		PKPbc	11:11:33.737	-0.5	15.5		2.50		TAS					m_e
BUG	149.04		PKPbc	11:11:41.042	-0.3	15.5		2.50		TAS					m_e

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CLL	148.29	PKPbc	11:11:39.538	0.1	15.5	2.50	TAS	m_e
CLZ	148.26	PKPbc	11:11:39.697	0.5	15.5	2.50	TAS	m_e
FLT1	147.65	PKPbc	11:11:37.504	-0.2	15.5	2.50	TAS	m_e
FUR	151.63	PKPbc	11:11:47.356	-0.3	15.5	2.50	TAS	m_e
GEC2	150.45	PKPbc	11:11:44.734	-0.2	15.5	2.50	TAS	m_e
GOR1	147.00	PKPbc	11:11:35.851	-0.2	15.5	2.50	TAS	m_e
GRA1	150.19	PKPbc	11:11:44.521	0.5	15.5	2.50	TAS	m_e
GTTG	148.60	PKPbc	11:11:40.285	0.2	15.5	2.50	TAS	m_e
IBBN	148.14	PKPbc	11:11:38.950	-0.1	15.5	2.50	TAS	m_e
KAST	149.15	PKPbc	11:11:41.778	0.3	15.5	2.50	TAS	m_e
MOX	149.20	PKPbc	11:11:41.588	0.0	15.5	2.50	TAS	m_e
NEUB	148.64	PKPbc	11:11:40.269	0.1	15.5	2.50	TAS	m_e
PLN	149.25	PKPbc	11:11:42.017	0.3	15.5	2.50	TAS	m_e
SCHI	146.40	PKPbc	11:11:34.311	-0.3	15.5	2.50	TAS	m_e
STU	151.42	PKPbc	11:11:47.277	0.1	15.5	2.50	TAS	m_e
TANN	149.25	PKPbc	11:11:42.112	0.3	15.5	2.50	TAS	m_e
TNS	150.11	PKPbc	11:11:44.083	0.2	15.5	2.50	TAS	m_e
UBR	152.32	PKPbc	11:11:48.891	-0.5	15.5	2.50	TAS	m_e
WLF	150.90	PKPbc	11:11:46.466	0.4	15.5	2.50	TAS	m_e

Event 21112005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/12	14:09:26.02			-18.8600	-173.2800			32.7		4.0		18		146.32	151.03	m i ke	BGR
OrigID 21112011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.29		PKPbc	14:29:09.172		5.1		3.02		TAS				m_e	
AHRW	148.29		pPKPbc	14:29:19.059						T__				m_e	
ASSE	146.56		PKPbc	14:29:04.040	0.5	5.1		3.02		TAS				m_e	
ASSE	146.56		pPKPbc	14:29:13.126	0.5					T__				m_e	
BFO	150.48		PKPbc	14:29:14.531		5.1		3.02		TAS				m_e	
BFO	150.48		pPKPbc	14:29:24.841						T__				m_e	
CLL	147.15		PKPbc	14:29:05.941		5.1		3.02		TAS				m_e	
CLL	147.15		pPKPbc	14:29:16.260						T__				m_e	
FLT1	146.32		PKPbc	14:29:02.964	0.2	5.1		3.02		TAS				m_e	
FLT1	146.32		pPKPbc	14:29:11.908	0.7					T__				m_e	
FUR	150.44		pPKPbc	14:29:24.984						T__				m_e	
GEC2	149.47		PKPbc	14:29:11.989		5.1		3.02		TAS				m_e	
GEC2	149.47		pPKPbc	14:29:22.991						T__				m_e	
GRA1	148.94		PKPbc	14:29:11.096		5.1		3.02		TAS				m_e	
GTTG	147.19		pPKPbc	14:29:16.382	-0.7					T__				m_e	
IBBN	146.52		PKPbc	14:29:04.232	0.6	5.1		3.02		TAS				m_e	
IBBN	146.52		pPKPbc	14:29:12.903	0.1					T__				m_e	

KAST	147.61	pPKPbc	14:29:17.632			T__	m_e
MOX	147.96	PKPbc	14:29:08.256	5.1	3.02	TAS	m_e
MOX	147.96	pPKPbc	14:29:18.377			T__	m_e
NEUB	147.40	PKPbc	14:29:06.514	5.1	3.02	TAS	m_e
PLN	148.06	PKPbc	14:29:08.920	5.1	3.02	TAS	m_e
TANN	148.09	pPKPbc	14:29:19.267			T__	m_e
TNS	148.58	PKPbc	14:29:09.970	5.1	3.02	TAS	m_e
UBR	151.03	PKPbc	14:29:15.974	5.1	3.02	TAS	m_e
WLF	149.17	pPKPbc	14:29:22.075			T__	m_e

Event 21112006 Nepal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/12	14:27:03.32			29.1900	82.1100				33.0			25		54.43	59.53	m i ke	BGR
21112012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	21112012
Ms	4.8		BGR	21112012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	58.80		P	14:36:59.021	0.1	84.1		7.10		TAS		19.7	1.17	m_e	mb 5.0
ASSE	56.35		P	14:36:41.284		84.1		7.10		TAS				m_e	
BRG	54.43		P	14:36:28.065	0.1	84.1		7.10		TAS		41.5	0.86	m_e	mb 5.5
BSEG	56.41		P	14:36:42.467	-0.3	84.1		7.10		TAS		35.5	0.82	m_e	mb 5.4
BUG	58.54		P	14:36:56.928	-0.2	84.1		7.10		TAS		35.1	0.87	m_e	mb 5.4
CLZ	56.57		P	14:36:43.685	-0.1	84.1		7.10		TAS		48.5	0.87	m_e	mb 5.5
FLT1	55.99		P	14:36:38.704	-0.2	84.1		7.10		TAS		33.8	0.87	m_e	mb 5.4
FUR	56.43		P	14:36:42.516		84.1		7.10		TAS		45.9	0.99	m_e	mb 5.5
GEC2	54.75		P	14:36:29.905		84.1		7.10		TAS		15.6	1.03	m_e	mb 5.0
GOR1	55.89		P	14:36:38.655	-0.5	84.1		7.10		TAS		49.8	1.02	m_e	mb 5.5
GRA1	56.27		P	14:36:41.890		84.1		7.10		TAS		75.8	1.54	m_e	mb 5.5
GRA1	56.27		L	15:03:24.459						T__		556.2	19.40	m_e	Ms 4.7
GTTG	56.85		P	14:36:45.350	0.1	84.1		7.10		TAS		31.8	1.05	m_e	mb 5.3
IBBN	58.11		P	14:36:54.203	-0.4	84.1		7.10		TAS		47.2	1.16	m_e	mb 5.4
KAST	57.86		P	14:36:52.363	0.1	84.1		7.10		TAS		20.5	1.24	m_e	mb 5.0
MOX	55.92		P	14:36:38.868	-0.3	84.1		7.10		TAS		20.6	0.88	m_e	mb 5.2
MOX	55.92		L	15:02:46.782						T__		996.1	18.90	a_e	Ms 4.9
NEUB	55.76		P	14:36:37.465	0.2	84.1		7.10		TAS		41.2	0.87	m_e	mb 5.5
PLN	55.59		P	14:36:36.566	0.5	84.1		7.10		TAS		5.9	0.96	m_e	mb 4.6
RUE	54.43		P	14:36:27.734	-0.0	84.1		7.10		TAS		51.7	0.81	m_e	mb 5.6
SCHI	54.95		P	14:36:31.880		84.1		7.10		TAS		72.1	0.88	m_e	mb 5.7
STU	57.71		P	14:36:51.478		84.1		7.10		TAS		68.8	0.77	m_e	mb 5.8
TANN	55.40		P	14:36:35.200	-0.2	84.1		7.10		TAS		18.8	1.02	m_e	mb 5.1
TNS	57.98		P	14:36:53.531		84.1		7.10		TAS		19.1	0.86	m_e	mb 5.2
UBR	57.28		P	14:36:47.758		84.1		7.10		TAS		18.8	0.79	m_e	mb 5.2

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WET	55.26	P	14:36:33.945	84.1	7.10	TAS	20.4	1.17	m_e	mb	5.0
WLF	59.53	P	14:37:04.501	84.1	7.10	TAS	20.8	1.00	m_e	mb	5.1

Event 21112007 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/12	14:41:26.28			-18.1710	-171.7540				33.0			18		145.74	150.43	m i ke	BGR
OrigID 21112013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.97		PKPbc	15:01:01.857	-0.2	5.4		2.74		TAS				m_e	
BFO	149.82		PKPbc	15:01:12.173		5.4		2.74		TAS				m_e	
BRG	146.97		PKPbc	15:01:04.479	-0.4	5.4		2.74		TAS				m_e	
BUG	146.70		PKPbc	15:01:04.384	0.1	5.4		2.74		TAS				m_e	
CLL	146.63		PKPbc	15:01:03.651	-0.2	5.4		2.74		TAS				m_e	
CLZ	146.27		PKPbc	15:01:03.202	0.3	5.4		2.74		TAS				m_e	
FLT1	145.74		PKPbc	15:01:00.903	-0.5	5.4		2.74		TAS				m_e	
GRA1	148.37		PKPbc	15:01:09.004	-0.6	5.4		2.74		TAS				m_e	
GTTG	146.58		PKPbc	15:01:03.961	0.2	5.4		2.74		TAS				m_e	
IBBN	145.84		PKPbc	15:01:01.671	-0.2	5.4		2.74		TAS				m_e	
KAST	146.95		PKPbc	15:01:04.774	-0.1	5.4		2.74		TAS				m_e	
MOX	147.40		PKPbc	15:01:06.031	0.1	5.4		2.74		TAS				m_e	
NEUB	146.84		PKPbc	15:01:04.548	0.1	5.4		2.74		TAS				m_e	
PLN	147.52		PKPbc	15:01:06.377	0.2	5.4		2.74		TAS				m_e	
TANN	147.56		PKPbc	15:01:06.584	0.6	5.4		2.74		TAS				m_e	
UBR	150.43		PKPbc	15:01:13.656		5.4		2.74		TAS				m_e	
WET	148.78		PKPbc	15:01:10.617	-0.7	5.4		2.74		TAS				m_e	
WLF	148.44		PKPbc	15:01:09.823	0.8	5.4		2.74		TAS				m_e	

Event 21113001 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/13	01:47:56.55			23.6410	120.8560				34.1					84.03	84.03	m i ke	BGR
OrigID 21113007																	

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 21113007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.03		P	02:00:23.017		67.0		5.06		TAS		20.6	1.65	m_e	mb 5.1
GRA1	84.03		pP	02:00:32.926						T__				m_e	

Event 21113002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/13	02:08:01.67			34.0200	26.7700				10.0			21		18.27	23.05	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	21113008
Ms	3.8		BGR	21113008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	21.90		P	02:12:55.648	-0.7	138.6		10.77		TAS		18.0	0.84	m_e mb	4.5
ASSE	21.49		P	02:12:49.946	-0.3	138.6		10.77		TAS		13.2	1.19	m_e mb	4.1
BFO	19.85		P	02:12:33.410		138.6		10.77		TAS		8.2	0.73	m_e mb	4.0
BRG	19.26		P	02:12:27.029	0.3	138.6		10.77		TAS		11.5	0.75	m_e mb	4.2
BSEG	23.05		P	02:13:07.248	0.2	138.6		10.77		TAS		17.4	0.95	m_e mb	4.6
BUG	22.42		P	02:13:00.627	-0.1	138.6		10.77		TAS		19.7	0.90	m_e mb	4.5
CLL	19.96		P	02:12:33.971	-0.8	138.6		10.77		TAS		25.5	0.58	m_e mb	4.6
CLZ	21.38		P	02:12:49.716	-0.2	138.6		10.77		TAS		9.8	0.74	m_e mb	4.2
FLT1	21.43		P	02:12:48.836	-1.0	138.6		10.77		TAS		35.2	1.59	m_e mb	4.5
FUR	18.27		P	02:12:15.025		138.6		10.77		TAS		38.8	1.30	m_e mb	4.4
GRA1	19.41		L	02:21:41.966						T__		377.4	21.90	a_e Ms	3.7
GTTG	21.33		P	02:12:49.301	-0.5	138.6		10.77		TAS		81.6	1.22	m_e mb	4.9
KAST	21.74		P	02:12:53.137	-0.2	138.6		10.77		TAS		10.0	0.85	m_e mb	4.3
MOX	19.97		P	02:12:35.085	0.5	138.6		10.77		TAS		4.4	0.75	m_e mb	3.8
MOX	19.97		L	02:21:53.838						T__		593.0	18.30	a_e Ms	4.0
NEUB	20.33		P	02:12:38.316	0.7	138.6		10.77		TAS		15.1	0.93	m_e mb	4.2
PLN	19.62		P	02:12:30.288	0.7	138.6		10.77		TAS		3.8	0.68	m_e mb	3.8
RUE	20.66		P	02:12:43.179	2.7	138.6		10.77		TAS		50.0	0.77	m_e mb	4.9
STU	19.70		P	02:12:32.295		138.6		10.77		TAS		68.4	0.64	m_e mb	5.0
TANN	19.45		P	02:12:29.785	0.1	138.6		10.77		TAS		13.2	0.69	m_e mb	4.3
TNS	21.04		P	02:12:46.217	-1.9	138.6		10.77		TAS		21.6	0.62	m_e mb	4.7
UBR	18.52		P	02:12:18.637		138.6		10.77		TAS		73.7	0.59	m_e mb	5.1
WET	18.29		P	02:12:14.814	-1.2	138.6		10.77		TAS		11.4	0.59	m_e mb	4.2

Event 21113004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/13	08:16:52.65			44.6870	148.7780				33.0			26		75.20	80.97	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID

mb 5.5 BGR 21113010
 Ms 4.4 BGR 21113010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.37		P	08:28:54.178	0.5	29.3		5.50		TAS		49.2	1.06	m_e	mb 5.5
ASSE	76.91		P	08:28:40.480	0.3	29.3		5.50		TAS		32.1	0.97	m_e	mb 5.4
BFO	80.97		P	08:29:02.567	0.0	29.3		5.50		TAS		26.9	0.90	m_e	mb 5.3
BRG	76.97		P	08:28:40.422	-0.1	29.3		5.50		TAS		26.6	1.00	m_e	mb 5.3
BSEG	75.44		P	08:28:32.435	0.4	29.3		5.50		TAS		38.3	0.92	m_e	mb 5.5
BUG	78.51		P	08:28:49.328	0.4	29.3		5.50		TAS		58.0	1.03	m_e	mb 5.5
CLL	76.90		P	08:28:40.044	-0.1	29.3		5.50		TAS		88.9	0.96	m_e	mb 5.9
CLZ	77.25		P	08:28:42.838	0.8	29.3		5.50		TAS		115.4	1.24	m_e	mb 5.9
FLT1	76.57		P	08:28:38.050	-0.2	29.3		5.50		TAS		53.5	0.85	m_e	mb 5.7
FUR	80.19		P	08:28:58.742	0.5	29.3		5.50		TAS		83.5	1.07	m_e	mb 5.6
GEC2	78.79		P	08:28:50.624	0.1	29.3		5.50		TAS		37.3	1.24	m_e	mb 5.3
GOR1	75.97		P	08:28:35.515	0.5	29.3		5.50		TAS		45.7	1.01	m_e	mb 5.6
GRA1	78.87		P	08:28:51.735	0.7	29.3		5.50		TAS		96.0	0.93	m_e	mb 5.8
GRA1	78.87		L	09:08:16.301						T__		186.0	20.10	a_e	Ms 4.4
GTTG	77.64		P	08:28:44.772	0.6	29.3		5.50		TAS		70.8	1.01	m_e	mb 5.8
IBBN	77.60		P	08:28:44.491	0.6	29.3		5.50		TAS		57.0	0.96	m_e	mb 5.7
KAST	78.40		P	08:28:48.904	0.6	29.3		5.50		TAS		37.7	0.97	m_e	mb 5.4
MOX	77.92		P	08:28:45.963	0.2	29.3		5.50		TAS		42.7	1.10	m_e	mb 5.5
MOX	77.92		L	09:04:19.057						T__		176.0	21.20	a_e	Ms 4.4
NEUB	77.39		P	08:28:42.992	0.1	29.3		5.50		TAS		83.2	1.05	m_e	mb 5.8
PLN	77.88		P	08:28:45.852	0.3	29.3		5.50		TAS		12.4	1.07	m_e	mb 5.0
RUE	75.65		P	08:28:33.356	0.1	29.3		5.50		TAS		81.3	1.11	m_e	mb 5.8
SCHI	75.20		P	08:28:30.579	-0.2	29.3		5.50		TAS		130.3	1.16	m_e	mb 5.8
STU	80.31		P	08:28:59.179	0.2	29.3		5.50		TAS		113.2	0.91	m_e	mb 5.8
TANN	77.85		P	08:28:45.501	0.1	29.3		5.50		TAS		9.8	0.84	m_e	mb 5.0
TNS	79.26		P	08:28:53.502	0.4	29.3		5.50		TAS		36.0	0.95	m_e	mb 5.4
WET	78.81		P	08:28:51.252	0.6	29.3		5.50		TAS		51.1	0.93	m_e	mb 5.5

Event 21113005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/13	21:35:32.61			-20.2030	-177.3990				600.0			24		145.72	151.84	m i ke	BGR
OrigID 21113011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.44		PKPbc	21:54:09.324	0.2	16.2		2.48		TAS				m_e	
BFO	151.47		PKPbc	21:54:18.955		16.2		2.48		TAS				m_e	
BRG	148.03		PKPbc	21:54:10.886	0.1	16.2		2.48		TAS				m_e	
BSEG	145.72		PKPbc	21:54:04.523	-0.2	16.2		2.48		TAS				m_e	
BUG	148.52		PKPbc	21:54:11.881	0.1	16.2		2.48		TAS				m_e	

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CLL	147.82	PKPbc	21:54:10.091	0.2	16.2	2.48	TAS	m_e
CLZ	147.76	PKPbc	21:54:10.290	0.2	16.2	2.48	TAS	m_e
FLT1	147.15	PKPbc	21:54:08.287	0.0	16.2	2.48	TAS	m_e
FUR	151.15	PKPbc	21:54:18.080		16.2	2.48	TAS	m_e
GEC2	149.99	PKPbc	21:54:15.296		16.2	2.48	TAS	m_e
GOR1	146.50	PKPbc	21:54:06.398	0.1	16.2	2.48	TAS	m_e
GRA1	149.70	PKPbc	21:54:15.318		16.2	2.48	TAS	m_e
GTTG	148.10	PKPbc	21:54:11.142	0.2	16.2	2.48	TAS	m_e
KAST	148.64	PKPbc	21:54:12.544	0.1	16.2	2.48	TAS	m_e
MOX	148.71	PKPbc	21:54:12.449	-0.0	16.2	2.48	TAS	m_e
NEUB	148.16	PKPbc	21:54:11.142	0.2	16.2	2.48	TAS	m_e
PLN	148.77	PKPbc	21:54:12.648	0.1	16.2	2.48	TAS	m_e
RUE	146.56	PKPbc	21:54:06.796	0.3	16.2	2.48	TAS	m_e
STU	150.92	PKPbc	21:54:17.903		16.2	2.48	TAS	m_e
TANN	148.77	PKPbc	21:54:12.591	-0.3	16.2	2.48	TAS	m_e
TNS	149.60	PKPbc	21:54:14.892	-0.3	16.2	2.48	TAS	m_e
UBR	151.84	PKPbc	21:54:19.578		16.2	2.48	TAS	m_e
WET	149.89	PKPbc	21:54:15.261		16.2	2.48	TAS	m_e
WLF	150.38	PKPbc	21:54:16.942	-0.5	16.2	2.48	TAS	m_e

Event 21114001 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/14	01:11:22.97			53.8150	-35.4540				10.0			18		25.69	30.58	m i ke	BGR
OrigID 21114007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	21114007
Ms	4.2		BGR	21114007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	27.43		P	01:17:06.997	-0.3	296.4		8.90		TAS		16.3	1.11	m_e	mb 4.7
BFO	27.68		P	01:17:09.429		296.4		8.90		TAS		25.1	1.23	m_e	mb 4.9
BRG	29.80		P	01:17:27.603	0.6	296.4		8.90		TAS		21.9	1.38	m_e	mb 4.8
BSEG	26.60		P	01:16:58.903	-0.5	296.4		8.90		TAS		76.2	1.73	m_e	mb 5.1
BUG	25.73		P	01:16:51.555	-0.1	296.4		8.90		TAS		33.0	1.27	m_e	mb 4.8
CLL	29.08		P	01:17:21.201	-0.1	296.4		8.90		TAS		39.0	1.21	m_e	mb 5.1
CLZ	27.36		P	01:17:06.759	-0.3	296.4		8.90		TAS		27.7	1.14	m_e	mb 4.9
FLT1	27.67		P	01:17:08.054	-0.7	296.4		8.90		TAS		15.8	1.12	m_e	mb 4.8
FUR	29.49		P	01:17:25.721		296.4		8.90		TAS		20.3	1.04	m_e	mb 4.9
GEC2	30.58		P	01:17:35.312		296.4		8.90		TAS		24.1	1.25	m_e	mb 5.0
GRA1	28.74		L	01:27:52.637						T__		617.9	18.60	a_e	Ms 4.2
GTTG	27.24		P	01:17:05.698	-0.1	296.4		8.90		TAS		38.1	1.09	m_e	mb 5.0
IBBN	25.69		P	01:16:51.127	-0.2	296.4		8.90		TAS		71.1	1.30	m_e	mb 5.1
KAST	26.48		P	01:16:58.089	0.0	296.4		8.90		TAS		29.1	1.17	m_e	mb 4.9
MOX	28.56		P	01:17:16.904		296.4		8.90		TAS		8.4	0.97	m_e	mb 4.5

MOX	28.56	L	01:27:19.382			T__	534.0	20.90	a_e	Ms	4.1
PLN	28.94	P	01:17:20.474	296.4	8.90	TAS	11.3	1.18	m_e	mb	4.6
TANN	29.15	P	01:17:22.279	296.4	8.90	TAS	41.6	1.23	m_e	mb	5.1
TNS	26.90	P	01:17:02.397	296.4	8.90	TAS	22.0	1.18	m_e	mb	4.8
WET	29.96	P	01:17:29.773	296.4	8.90	TAS	20.2	1.41	m_e	mb	4.8

Event 21114002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/14	05:04:09.93			-24.8900	-179.3500				600.0			25		150.03	155.75	m i ke	BGR
OrigID 21114008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	153.83		PKPdf	05:22:53.103		29.1		1.29		TAS				m_e	
AHRW	153.83		PKPbc	05:23:02.342	0.1	25.2		2.07		TAS				m_e	
AHRW	153.83		PKPab	05:23:20.994	0.1	25.1		4.21		TAS				m_e	
ASSE	151.67		PKPdf	05:22:50.035	0.1	29.1		1.29		TAS				m_e	
ASSE	151.67		PKPbc	05:22:57.569	0.3	25.2		2.07		TAS				m_e	
ASSE	151.67		PKPab	05:23:11.016	0.4	25.1		4.21		TAS				m_e	
BFO	155.75		PKPab	05:23:28.554		25.1		4.21		TAS				m_e	
BRG	152.04		PKPdf	05:22:49.929		29.1		1.29		TAS				m_e	
BRG	152.04		PKPbc	05:22:57.953	0.1	25.2		2.07		TAS				m_e	
BRG	152.04		PKPab	05:23:11.817	-0.0	25.1		4.21		TAS				m_e	
BSEG	150.03		PKPbc	05:22:54.079	-0.2	25.2		2.07		TAS				m_e	
BSEG	150.03		PKPab	05:23:04.595	0.1	25.1		4.21		TAS				m_e	
BUG	152.93		PKPdf	05:22:51.522	0.0	29.1		1.29		TAS				m_e	
BUG	152.93		PKPbc	05:23:00.229	-0.0	25.2		2.07		TAS				m_e	
BUG	152.93		PKPab	05:23:16.457	-0.4	25.1		4.21		TAS				m_e	
CLL	151.90		PKPbc	05:22:57.772	0.0	25.2		2.07		TAS				m_e	
CLL	151.90		PKPab	05:23:11.158	-0.3	25.1		4.21		TAS				m_e	
CLZ	152.00		PKPdf	05:22:50.610	0.2	29.1		1.29		TAS				m_e	
CLZ	152.00		PKPbc	05:22:58.606	0.2	25.2		2.07		TAS				m_e	
CLZ	152.00		PKPab	05:23:12.891	0.2	25.1		4.21		TAS				m_e	
FLT1	151.37		PKPdf	05:22:49.322	-0.1	29.1		1.29		TAS				m_e	
FLT1	151.37		PKPbc	05:22:56.608	0.0	25.2		2.07		TAS				m_e	
FLT1	151.37		PKPab	05:23:09.320	-0.0	25.1		4.21		TAS				m_e	
FUR	155.23		PKPab	05:23:25.859		25.1		4.21		TAS				m_e	
GEC2	153.92		PKPdf	05:22:52.177		29.1		1.29		TAS				m_e	
GEC2	153.92		PKPbc	05:23:01.575		25.2		2.07		TAS				m_e	
GEC2	153.92		PKPab	05:23:19.329	0.3	25.1		4.21		TAS				m_e	
GOR1	150.73		PKPdf	05:22:48.284	0.3	29.1		1.29		TAS				m_e	
GOR1	150.73		PKPbc	05:22:55.678	0.1	25.2		2.07		TAS				m_e	
GOR1	150.73		PKPab	05:23:07.636	0.6	25.1		4.21		TAS				m_e	
GRA1	153.83		PKPab	05:23:20.228	0.1	25.1		4.21		TAS				m_e	

GTTG	152.37	PKPbc	05:22:59.248	-0.4	25.2	2.07	TAS	m_e
GTTG	152.37	PKPab	05:23:14.299	-0.8	25.1	4.21	TAS	m_e
IBBN	152.01	PKPab	05:23:13.282	-0.3	25.1	4.21	TAS	m_e
KAST	152.98	PKPdf	05:22:51.601		29.1	1.29	TAS	m_e
KAST	152.98	PKPbc	05:23:00.485	0.1	25.2	2.07	TAS	m_e
KAST	152.98	PKPab	05:23:16.732	-0.1	25.1	4.21	TAS	m_e
MOX	152.85	PKPbc	05:22:59.876	-0.1	25.2	2.07	TAS	m_e
MOX	152.85	PKPab	05:23:15.638	0.0	25.1	4.21	TAS	m_e
NEUB	152.31	PKPbc	05:22:58.851	-0.1	25.2	2.07	TAS	m_e
NEUB	152.31	PKPab	05:23:13.244	-0.2	25.1	4.21	TAS	m_e
PLN	152.87	PKPdf	05:22:50.769		29.1	1.29	TAS	m_e
PLN	152.87	PKPbc	05:22:59.857	0.2	25.2	2.07	TAS	m_e
PLN	152.87	PKPab	05:23:15.781	0.1	25.1	4.21	TAS	m_e
RUE	150.64	PKPbc	05:22:55.037	-0.1	25.2	2.07	TAS	m_e
SCHI	150.07	PKPbc	05:22:54.268	0.2	25.2	2.07	TAS	m_e
SCHI	150.07	PKPab	05:23:04.290	0.2	25.1	4.21	TAS	m_e
TANN	152.86	PKPbc	05:22:59.972	0.2	25.2	2.07	TAS	m_e
TANN	152.86	PKPab	05:23:15.614	-0.1	25.1	4.21	TAS	m_e
TNS	153.91	PKPbc	05:23:02.552	-0.3	25.2	2.07	TAS	m_e
TNS	153.91	PKPab	05:23:20.673	0.1	25.1	4.21	TAS	m_e
WET	153.90	PKPdf	05:22:52.247		29.1	1.29	TAS	m_e
WET	153.90	PKPab	05:23:19.920	-0.6	25.1	4.21	TAS	m_e
WLF	154.81	PKPab	05:23:25.466	0.5	25.1	4.21	TAS	m_e

Event 21114003 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/14	08:08:18.57			33.2680	138.1060				300.0			29		80.40	87.10	m i ke	BGR
21114009																	

Magnitude	Err	Nsta	Author	OrigID
mb	7.0		BGR	21114009
MBB	7.2		BGR	21114009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.92		P	08:20:23.423	-0.1	42.2		4.96		TAS		992.5	1.11	m_e	MBB 7.0
ASSE	83.25		P	08:20:10.312	0.0	42.2		4.96		TAS		1054.0	1.20	m_e	MBB 7.2
BFO	87.10		P	08:20:28.915	-0.5	42.2		4.96		TAS		1099.7	1.86	m_e	MBB 7.0
BRG	82.77		P	08:20:07.976	0.0	42.2		4.96		TAS		802.8	1.06	m_e	MBB 7.1
BSEG	82.05		P	08:20:04.315	0.0	42.2		4.96		TAS		1218.5	1.12	m_e	MBB 7.2
BUG	85.15		P	08:20:19.624	-0.1	42.2		4.96		TAS		1360.8	1.07	m_e	MBB 7.2
CLL	82.87		P	08:20:08.262	-0.2	42.2		4.96		TAS		1982.0	1.06	m_e	MBB 7.4
CLZ	83.58		P	08:20:12.531	0.5	42.2		4.96		TAS		2047.0	1.03	m_e	MBB 7.4
FLT1	82.87		P	08:20:07.909	-0.5	42.2		4.96		TAS		1781.7	1.12	m_e	MBB 7.3
FUR	85.94		P	08:20:23.889	0.2	42.2		4.96		TAS		882.7	1.07	m_e	MBB 7.1
GEC2	84.34		P	08:20:15.754	0.0	42.2		4.96		TAS		558.6	1.05	m_e	MBB 6.9

GOR1	82.35	P	08:20:05.928	0.1	42.2	4.96	TAS	2054.7	1.32	m_e	MBB	7.4
GRA1	84.83	P	08:20:18.645	0.5	42.2	4.96	TAS	1854.3	1.16	m_e	mb	7.1
GTTG	83.98	P	08:20:14.279	0.4	42.2	4.96	TAS	1485.5	0.96	m_e	MBB	7.3
HLG	82.80	P	08:20:08.029	0.0	42.2	4.96	TAS	931.2	1.17	m_e	MBB	7.1
IBBN	84.29	P	08:20:15.659	0.2	42.2	4.96	TAS	1863.1	0.99	m_e	MBB	7.4
KAST	84.87	P	08:20:18.448	0.1	42.2	4.96	TAS	808.8	1.04	m_e	MBB	7.0
MOX	83.95	P	08:20:13.909	0.1	42.2	4.96	TAS	1008.9	1.16	m_e	MBB	7.1
NEUB	83.48	P	08:20:11.506	0.0	42.2	4.96	TAS	2574.4	1.04	m_e	MBB	7.5
PLN	83.83	P	08:20:13.338	0.1	42.2	4.96	TAS	306.6	1.13	m_e	MBB	6.6
RGN	80.40	P	08:19:55.831	-0.3	42.2	4.96	TAS	1485.7	1.15	m_e	MBB	7.2
RUE	81.69	P	08:20:02.499	-0.1	42.2	4.96	TAS	1690.0	1.12	m_e	MBB	7.4
SCHI	81.46	P	08:20:01.172	-0.3	42.2	4.96	TAS	1222.4	1.02	m_e	MBB	7.3
STU	86.39	P	08:20:25.805	-0.1	42.2	4.96	TAS	1754.3	1.24	m_e	MBB	7.5
TANN	83.75	P	08:20:12.918	0.1	42.2	4.96	TAS	714.8	1.18	m_e	MBB	7.0
TNS	85.60	P	08:20:22.079	0.1	42.2	4.96	TAS	566.0	1.19	m_e	MBB	6.8
UBR	86.82	P	08:20:27.503	-0.5	42.2	4.96	TAS	177.6	1.04	m_e	MBB	6.9
WET	84.49	P	08:20:16.745	0.2	42.2	4.96	TAS	1229.9	1.67	m_e	MBB	6.9
WLF	86.98	P	08:20:28.864	0.1	42.2	4.96	TAS	1214.4	1.54	m_e	MBB	7.1

Event 21114004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/14	15:25:06.65			-19.6800	-172.1300			51.3		1.5		23		145.47	151.92	m i ke	BGR
OrigID 21114010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	21114010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.45		PKPbc	15:44:44.429	0.2	4.4		2.69		TAS				m_e	
ASSE	147.45		pPKPbc	15:44:59.702	0.4					T__				m_e	
BFO	151.32		PKPbc	15:44:54.258	-0.3	4.4		2.69		TAS				m_e	
BFO	151.32		pPKPbc	15:45:09.666						T__				m_e	
BRG	148.41		PKPbc	15:44:47.030	-0.0	4.4		2.69		TAS				m_e	
BRG	148.41		pPKPbc	15:45:02.475	0.2					T__				m_e	
BSEG	145.66		PKPbc	15:44:38.861	-0.5	4.4		2.69		TAS				m_e	
BSEG	145.66		pPKPbc	15:44:53.964	-0.1					T__				m_e	
CLL	148.09		PKPbc	15:44:46.076	0.0	4.4		2.69		TAS				m_e	
CLL	148.09		pPKPbc	15:45:01.392	0.3					T__				m_e	
CLZ	147.75		PKPbc	15:44:45.331	0.3	4.4		2.69		TAS				m_e	
CLZ	147.75		pPKPbc	15:45:00.732	0.2					T__				m_e	
FLT1	147.22		PKPbc	15:44:43.275	-0.3	4.4		2.69		TAS				m_e	
FLT1	147.22		pPKPbc	15:44:58.781	0.2					T__				m_e	
GEC2	150.44		PKPbc	15:44:52.257	-0.3	4.4		2.69		TAS				m_e	
GEC2	150.44		pPKPbc	15:45:07.900						T__				m_e	
GOR1	146.56		PKPbc	15:44:41.845	0.0	4.4		2.69		TAS				m_e	

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Thu Feb 15 10:44:56 2024

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GOR1	146.56	pPKPbc	15:44:57.098	-0.2						T__						m_e	
GRA1	149.84	L	16:44:16.094							T__	645.1	21.30	a_e Ms			5.4	
GTTG	148.06	PKPbc	15:44:46.182	0.3	4.4		2.69			TAS						m_e	
GTTG	148.06	pPKPbc	15:45:01.386	-0.0						T__						m_e	
HLG	145.47	PKPbc	15:44:38.310	-0.6	4.4		2.69			TAS						m_e	
IBBN	147.35	PKPbc	15:44:43.736	-0.2	4.4		2.69			TAS						m_e	
IBBN	147.35	pPKPbc	15:44:59.473	-0.1						T__						m_e	
KAST	148.45	PKPbc	15:44:47.139	0.3	4.4		2.69			TAS						m_e	
KAST	148.45	pPKPbc	15:45:02.435	0.1						T__						m_e	
MOX	148.87	PKPbc	15:44:48.214	0.2	4.4		2.69			TAS						m_e	
MOX	148.87	pPKPbc	15:45:03.475	0.1						T__						m_e	
MOX	148.87	L	16:44:34.529							T__	687.0	22.00	a_e Ms			5.4	
NEUB	148.31	PKPbc	15:44:46.962	0.4	4.4		2.69			TAS						m_e	
PLN	148.98	PKPbc	15:44:48.523	0.1	4.4		2.69			TAS						m_e	
PLN	148.98	pPKPbc	15:45:03.965	0.1						T__						m_e	
RUE	146.86	PKPbc	15:44:42.867	0.1	4.4		2.69			TAS						m_e	
RUE	146.86	pPKPbc	15:44:57.976	0.2						T__						m_e	
STU	150.86	PKPbc	15:44:53.352	0.0	4.4		2.69			TAS						m_e	
TANN	149.03	PKPbc	15:44:48.805	0.3	4.4		2.69			TAS						m_e	
TANN	149.03	pPKPbc	15:45:03.937	0.0						T__						m_e	
TNS	149.43	PKPbc	15:44:49.784	0.3	4.4		2.69			TAS						m_e	
UBR	151.92	PKPbc	15:44:55.412	-0.8	4.4		2.69			TAS						m_e	
UBR	151.92	pPKPbc	15:45:10.935							T__						m_e	
WET	150.24	PKPbc	15:44:51.840	-0.0	4.4		2.69			TAS						m_e	
WET	150.24	pPKPbc	15:45:07.360							T__						m_e	
WLF	149.96	PKPbc	15:44:51.637	0.5	4.4		2.69			TAS						m_e	

Event 21116002 New Mexico, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/16	21:32:53.08			32.6450	-103.9140				10.0			25		76.49	81.61	m i ke	BGR
	21116008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	21116008
Ms	5.2		BGR	21116008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.19		P	21:44:46.250	0.1	309.2		5.43		TAS		53.2	1.22	m_e mb	5.5
ASSE	78.02		P	21:44:50.738	0.1	309.2		5.43		TAS		45.6	1.09	m_e mb	5.5
BFO	79.17		P	21:44:56.568	-0.3	309.2		5.43		TAS		25.8	1.05	m_e mb	5.2
BRG	80.39		P	21:45:03.314	-0.2	309.2		5.43		TAS		19.8	0.93	m_e mb	5.0
BSEG	76.73		P	21:44:43.923	0.3	309.2		5.43		TAS		73.1	0.98	m_e mb	5.8
BUG	76.76		P	21:44:43.472	-0.4	309.2		5.43		TAS		23.3	1.11	m_e mb	5.2
CLL	79.66		P	21:44:59.350	-0.2	309.2		5.43		TAS		31.9	0.80	m_e mb	5.3
CLZ	78.05		P	21:44:51.340	0.5	309.2		5.43		TAS		40.4	1.07	m_e mb	5.5

FLT1	78.16	P	21:44:51.003	-0.4	309.2	5.43	TAS	28.6	0.92	m_e	mb	5.4
FUR	80.82	P	21:45:06.384	0.5	309.2	5.43	TAS	91.9	0.97	m_e	mb	5.8
GEC2	81.61	P	21:45:09.931	-0.2	309.2	5.43	TAS	15.9	0.78	m_e	mb	5.2
GRA1	79.82	P	21:45:00.860	0.4	309.2	5.43	TAS	51.3	0.96	m_e	mb	5.4
GRA1	79.82	L	22:22:14.700				T__	1124.8	18.90	a_e	Ms	5.2
IBBN	76.49	P	21:44:42.289	-0.1	309.2	5.43	TAS	55.4	1.04	m_e	mb	5.6
KAST	77.48	P	21:44:47.428	-0.3	309.2	5.43	TAS	36.4	1.07	m_e	mb	5.4
MOX	79.41	P	21:44:58.118	-0.1	309.2	5.43	TAS	25.8	1.05	m_e	mb	5.2
MOX	79.41	L	22:18:19.307				T__	903.0	20.90	a_e	Ms	5.1
NEUB	79.14	P	21:44:56.727	-0.0	309.2	5.43	TAS	53.3	0.99	m_e	mb	5.5
PLN	79.78	P	21:45:00.160	-0.1	309.2	5.43	TAS	9.0	0.89	m_e	mb	4.7
RUE	79.27	P	21:44:57.264	-0.1	309.2	5.43	TAS	37.5	1.09	m_e	mb	5.3
SCHI	78.28	P	21:44:52.443	0.5	309.2	5.43	TAS	114.5	1.00	m_e	mb	6.0
STU	79.36	P	21:44:57.948	0.0	309.2	5.43	TAS	74.1	1.07	m_e	mb	5.6
TANN	79.97	P	21:45:01.331	0.0	309.2	5.43	TAS	29.2	0.93	m_e	mb	5.2
TNS	78.08	P	21:44:50.978	-0.1	309.2	5.43	TAS	24.2	0.91	m_e	mb	5.3
UBR	80.51	P	21:45:04.388	0.2	309.2	5.43	TAS	52.8	1.26	m_e	mb	5.4
WET	81.00	P	21:45:06.764	-0.1	309.2	5.43	TAS	22.2	1.00	m_e	mb	5.2
WLF	77.23	P	21:44:46.507	0.2	309.2	5.43	TAS	57.9	1.00	m_e	mb	5.7

Event 21116003 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/16	22:26:51.77			-13.1530	166.7830				150.0			19		135.16	140.40	m i ke	BGR
21116009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	139.14		PKPdf	22:46:00.769	-0.1	37.3		1.86		TAS					m_e
ASSE	136.58		PKPdf	22:45:56.520	0.2	37.3		1.86		TAS					m_e
BRG	136.34		PKPdf	22:45:55.787	-0.4	37.3		1.86		TAS					m_e
BSEG	135.20		PKPdf	22:45:53.694	-0.2	37.3		1.86		TAS					m_e
BUG	138.30		PKPdf	22:45:59.597	-0.1	37.3		1.86		TAS					m_e
CLL	136.38		PKPdf	22:45:56.007	-0.1	37.3		1.86		TAS					m_e
CLZ	136.92		PKPdf	22:45:57.143	-0.1	37.3		1.86		TAS					m_e
FLT1	136.22		PKPdf	22:45:55.568	0.1	37.3		1.86		TAS					m_e
GEC2	137.99		PKPdf	22:45:59.084		37.3		1.86		TAS					m_e
GTTG	137.31		PKPdf	22:45:57.912	0.1	37.3		1.86		TAS					m_e
KAST	138.13		PKPdf	22:45:59.135	0.0	37.3		1.86		TAS					m_e
MOX	137.44		PKPdf	22:45:57.914	-0.1	37.3		1.86		TAS					m_e
PLN	137.36		PKPdf	22:45:57.615	0.6	37.3		1.86		TAS					m_e
RUE	135.16		PKPdf	22:45:53.773	-0.1	37.3		1.86		TAS					m_e
STU	139.88		PKPdf	22:46:02.308		37.3		1.86		TAS					m_e
TANN	137.29		PKPdf	22:45:57.546	0.0	37.3		1.86		TAS					m_e
UBR	140.40		PKPdf	22:46:03.150		37.3		1.86		TAS					m_e

WET	138.11	PKPdf	22:45:59.194	37.3	1.86	TAS	m_e
WLF	140.20	PKPdf	22:46:03.810	-0.1 37.3	1.86	TAS	m_e

Event 21117001 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/17	00:28:24.14			41.4900	142.6700				68.3	0.1		17		76.39	81.78	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	21117007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	77.79		P	00:40:14.406	0.3	35.1		5.47		TAS		17.7	1.10	m_e mb	5.1
BFO	81.78		pP	00:40:54.360						T__				m_e	
BRG	77.61		P	00:40:13.250	0.4	35.1		5.47		TAS		11.2	1.02	m_e mb	4.9
BSEG	76.42		P	00:40:07.008	-0.0	35.1		5.47		TAS		31.3	0.94	m_e mb	5.4
BUG	79.53		P	00:40:23.733	-0.5	35.1		5.47		TAS		24.3	1.13	m_e mb	5.0
CLL	77.61		P	00:40:13.083	-0.1	35.1		5.47		TAS		29.8	1.04	m_e mb	5.4
CLL	77.61		pP	00:40:31.655						T__				m_e	
CLZ	78.13		P	00:40:16.725	0.2	35.1		5.47		TAS		33.3	1.08	m_e mb	5.4
FLT1	77.42		P	00:40:12.077	-0.1	35.1		5.47		TAS		30.0	0.92	m_e mb	5.4
FUR	80.83		P	00:40:31.184		35.1		5.47		TAS		53.5	1.22	m_e mb	5.4
GOR1	76.86		P	00:40:10.061	0.0	35.1		5.47		TAS		34.2	1.18	m_e mb	5.4
GRA1	79.59		P	00:40:24.652		35.1		5.47		TAS		34.8	0.98	m_e mb	5.2
GTTG	78.51		P	00:40:18.759	-0.3	35.1		5.47		TAS		26.3	1.01	m_e mb	5.2
IBBN	78.63		P	00:40:19.208	-0.5	35.1		5.47		TAS		43.0	1.08	m_e mb	5.4
NEUB	78.16		P	00:40:16.418	0.3	35.1		5.47		TAS		26.0	0.89	m_e mb	5.4
RUE	76.39		P	00:40:06.875	0.1	35.1		5.47		TAS		25.2	0.93	m_e mb	5.3
STU	81.10		P	00:40:32.393		35.1		5.47		TAS		102.9	1.19	m_e mb	5.7
STU	81.10		pP	00:40:50.932						T__				m_e	
WET	79.41		P	00:40:23.717		35.1		5.47		TAS		22.6	1.02	m_e mb	5.0

Event 21117002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/17	11:21:30.34			-22.6500	171.9400				33.0			14		145.75	151.04	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
Ms	5.2		BGR	21117008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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ASSE	147.17	PKPbc	11:41:09.582	0.0	34.5	2.70	TAS	m_e										
BRG	146.98	PKPbc	11:41:09.344		34.5	2.70	TAS	m_e										
BSEG	145.75	PKPbc	11:41:05.069	-0.4	34.5	2.70	TAS	m_e										
CLL	147.01	PKPbc	11:41:09.344	-0.7	34.5	2.70	TAS	m_e										
CLZ	147.51	PKPbc	11:41:11.274	0.4	34.5	2.70	TAS	m_e										
FLT1	146.81	PKPbc	11:41:08.756	0.5	34.5	2.70	TAS	m_e										
GEC2	148.64	PKPbc	11:41:13.660		34.5	2.70	TAS	m_e										
GOR1	146.24	PKPbc	11:41:07.216	-0.1	34.5	2.70	TAS	m_e										
GRA1	148.99	L	12:48:00.535				T__		468.4	21.80	a_e	Ms					5.2	
GTTG	147.90	PKPbc	11:41:12.250	0.3	34.5	2.70	TAS	m_e										
MOX	148.06	L	12:47:32.375				T__		428.8	21.50	a_e	Ms					5.2	
NEUB	147.56	PKPbc	11:41:11.274		34.5	2.70	TAS	m_e										
PLN	147.99	PKPbc	11:41:12.359		34.5	2.70	TAS	m_e										
RUE	145.79	PKPbc	11:41:05.611	0.5	34.5	2.70	TAS	m_e										
TANN	147.93	PKPbc	11:41:12.142		34.5	2.70	TAS	m_e										
UBR	151.04	PKPbc	11:41:19.582		34.5	2.70	TAS	m_e										

Event 21118001 Central Alaska, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/18	00:03:12.32			62.1660	-151.1890				33.0	2.2		22		63.21	69.36	m i ke	BGR
OrigID 21118007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	21118007
Ms	4.0		BGR	21118007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	65.03		P	00:13:47.818	0.0	351.2		6.31		TAS		21.4	1.00	m_e	mb 5.3
BFO	68.52		P	00:14:09.811		351.2		6.31		TAS		49.4	1.35	m_e	mb 5.6
BRG	66.57		P	00:13:57.942	-0.3	351.2		6.31		TAS		22.9	1.01	m_e	mb 5.3
BSEG	63.21		P	00:13:36.193	-0.6	351.2		6.31		TAS		22.1	1.03	m_e	mb 5.2
CLL	66.06		P	00:13:54.057	-0.1	351.2		6.31		TAS		32.8	1.27	m_e	mb 5.4
CLZ	65.28		P	00:13:50.061	0.2	351.2		6.31		TAS		29.9	0.69	m_e	mb 5.6
FLT1	64.88		P	00:13:46.575	0.0	351.2		6.31		TAS		38.8	1.36	m_e	mb 5.5
FUR	69.01		P	00:14:12.989		351.2		6.31		TAS		43.9	0.93	m_e	mb 5.7
GEC2	68.56		P	00:14:10.581		351.2		6.31		TAS		20.6	1.21	m_e	mb 5.2
GOR1	64.24		P	00:13:43.022	-0.2	351.2		6.31		TAS		20.0	1.12	m_e	mb 5.2
GRA1	67.49		P	00:14:04.026		351.2		6.31		TAS		16.3	0.81	m_e	mb 5.3
GRA1	67.49		L	00:40:15.407						T__		79.8	21.00	a_e	Ms 3.9
GTTG	65.53		P	00:13:51.699	0.1	351.2		6.31		TAS		57.4	1.05	m_e	mb 5.7
KAST	65.70		P	00:13:52.323	0.1	351.2		6.31		TAS		23.0	1.18	m_e	mb 5.3
MOX	66.59		P	00:13:58.052	0.1	351.2		6.31		TAS		27.9	0.64	m_e	mb 5.6
MOX	66.59		L	00:42:46.496						T__		95.4	18.20	a_e	Ms 4.0
NEUB	66.06		P	00:13:54.621	0.3	351.2		6.31		TAS		84.2	1.30	m_e	mb 5.8
PLN	66.80		P	00:13:59.360	-0.3	351.2		6.31		TAS		12.4	1.25	m_e	mb 5.0

RUE	64.97	P	00:13:47.896	-0.5	351.2	6.31	TAS	74.8	1.06	m_e	mb	5.8
TANN	66.89	P	00:13:59.841		351.2	6.31	TAS	21.7	1.04	m_e	mb	5.3
TNS	66.67	P	00:13:58.506	-0.3	351.2	6.31	TAS	11.7	0.70	m_e	mb	5.2
UBR	69.36	P	00:14:15.260		351.2	6.31	TAS	31.5	1.06	m_e	mb	5.5
WET	68.19	P	00:14:08.297		351.2	6.31	TAS	43.4	1.45	m_e	mb	5.5
WLF	66.94	P	00:14:00.292		351.2	6.31	TAS	51.2	1.21	m_e	mb	5.6

Event 21118002 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/18	08:33:27.22			53.1680	159.8540				33.0					74.02	74.02	m i ke	BGR
OrigID 21118008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	21118008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	74.02		P	08:44:58.704		19.3		4.96		TAS		18.6	0.91	m_e	mb	5.1

Event 21118003 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/18	13:37:13.51			-3.1930	102.2280				33.0				9	91.39	93.47	m i ke	BGR
OrigID 21118009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	21118009
MBB	6.5		BGR	21118009
Ms	7.1		BGR	21118009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	93.47		P	13:50:25.920		91.3		4.59		TAS		74.2	1.42	m_e	MBB	6.6
BRG	91.39		P	13:50:16.613		91.3		4.59		TAS		165.2	1.62	m_e	MBB	6.5
CLL	92.00		P	13:50:18.940		91.3		4.59		TAS		522.3	2.79	m_e	MBB	6.6
GEC2	91.44		P	13:50:16.494		91.3		4.59		TAS		240.0	1.63	m_e	MBB	6.7
GRA1	93.09		P	13:50:24.292		91.3		4.59		TAS		200.1	1.88	m_e	MBB	6.6
GRA1	93.09		L	14:38:41.373						T__		52492.1	21.60	a_e	Ms	7.0
MOX	92.86		L	14:38:35.025						T__		84494.2	21.40	a_e	Ms	7.2
NEUB	92.77		P	13:50:22.663		91.3		4.59		TAS		150.4	1.46	m_e	MBB	6.7
PLN	92.51		P	13:50:21.499		91.3		4.59		TAS		202.6	3.06	m_e	MBB	6.2
TANN	92.31		P	13:50:20.569		91.3		4.59		TAS		482.6	3.00	m_e	MBB	6.5
WET	91.99		P	13:50:18.940		91.3		4.59		TAS		115.6	1.48	m_e	MBB	6.5

Event 21118004 Yunnan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/18	17:27:50.20			24.9570	101.5580				33.0					71.05	71.57	m i ke	BGR
OrigID 21118010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	21118010
Ms	4.7		BGR	21118010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	71.57		P	17:39:07.721		77.8		5.15		TAS		15.2	0.99	m_e mb	5.1
GRA1	71.57		L	18:13:57.981						T__		374.0	18.90	a_e Ms	4.7
MOX	71.05		L	18:12:01.651						T__		465.9	20.60	a_e Ms	4.7

Event 21119001 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/19	01:39:08.98			44.2380	140.2200				33.0					76.31	76.31	m i ke	BGR
OrigID 21119007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	21119007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.31		P	01:50:53.786		30.3		4.67		TAS		5.7	0.89	m_e mb	4.7

Event 21119002 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/19	14:23:36.67			55.4600	162.0270				30.9					71.31	72.30	m i ke	BGR
OrigID 21119008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	21119008
Ms	4.3		BGR	21119008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	72.30		P	14:34:58.238		13.8		5.14		TAS		71.7	2.02	m_e mb	5.5
GRA1	72.30		pP	14:35:07.021		14.2		5.18		TAS				m_e	

GRA1	72.30	L	15:10:45.536	T__	164.1	19.50	a_e	Ms	4.3
MOX	71.31	L	15:07:38.366	T__	190.5	19.50	a_e	Ms	4.4

Event 21120001 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/20	05:20:32.81	0.48	1.17	44.0330	13.2880	8.9	6.7	177	10.0			43	264	3.04	8.44	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.8		BGR	21120007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	7.75		Pn	05:22:25.562	0.9					T__				m_e	
ARSA	3.58		Sn	05:22:08.979	-0.9					T__				m_e	
ARSA	3.58		Pn	05:21:27.586	-0.7					T__				m_e	ML 4.5
BALST	5.12		Pn	05:21:48.570	-0.6					T__				m_e	
BFO	5.50		Pn	05:21:54.021	-0.3					T__				m_e	
BRG	6.85		Pn	05:22:10.821	-1.7					T__				m_e	
BUG	8.44		Pn	05:22:34.472	0.5					T__				m_e	
CLL	7.28		Pn	05:22:17.393	-0.9					T__				m_e	
CLZ	8.05		Pn	05:22:28.617	-0.1					T__				m_e	
DAVA	4.03		Sn	05:22:21.409	0.6					T__				m_e	
DAVA	4.03		Pn	05:21:35.476	1.0					T__				m_e	ML 4.8
FETA	3.49		Sn	05:22:10.367	2.6					T__				m_e	
FETA	3.49		Pn	05:21:27.561	0.5					T__				m_e	ML 4.5
FLT1	8.41		Pn	05:22:31.928	-1.6					T__				m_e	
FUR	4.36		Sn	05:22:30.379	1.9					T__				m_e	
FUR	4.36		Pn	05:21:39.017	0.2					T__				m_e	ML 5.1
GEC2	4.82		Sn	05:22:37.680	-1.8					T__				m_e	
GEC2	4.82		Pn	05:21:44.444	-0.6					T__				m_e	ML 4.7
GRA1	5.83		Pn	05:21:57.194	-1.5					T__				m_e	
GTTG	7.84		Pn	05:22:25.727	-0.1					T__				m_e	
KAST	7.89		Pn	05:22:26.460	-0.0					T__				m_e	
KBA	3.04		Sn	05:21:58.404	1.1					T__				m_e	
KBA	3.04		Pn	05:21:21.861	0.8					T__				m_e	ML 4.5
KW1	4.12		Pn	05:21:35.685	0.1					T__				m_e	ML 5.4
LESA	3.42		Sn	05:22:07.370	1.3					T__				m_e	
LESA	3.42		Pn	05:21:26.805	0.7					T__				m_e	ML 4.6
MOA	3.88		Pn	05:21:33.064	0.8					T__				m_e	ML 4.6
MOTA	3.65		Sn	05:22:08.592	-3.0					T__				m_e	
MOTA	3.65		Pn	05:21:30.217	1.0					T__				m_e	ML 4.7
MOX	6.71		Pn	05:22:09.084	-1.5					T__				m_e	
NEUB	7.23		Pn	05:22:16.833	-0.8					T__				m_e	
PART	3.78		Sn	05:22:16.067	1.3					T__				m_e	
PART	3.78		Pn	05:21:31.572	0.5					T__				m_e	ML 4.6

PLN	6.50	Pn	05:22:07.279	-0.5	T__	m_e													
PLONS	4.08	Sn	05:22:20.366	-1.4	T__	m_e													
PLONS	4.08	Pn	05:21:36.348	1.3	T__	m_e	ML	4.4											
PSZ	6.02	Pn	05:22:01.755	0.5	T__	m_e													
RETA	3.88	Pn	05:21:33.207	0.9	T__	m_e	ML	4.6											
RJOB	3.72	Sn	05:22:12.156	-1.1	T__	m_e													
RJOB	3.72	Pn	05:21:30.790	0.6	T__	m_e	ML	4.5											
SLE	5.01	Pn	05:21:47.262	-0.4	T__	m_e	ML	5.4											
SOP	4.30	Sn	05:22:28.956	1.8	T__	m_e													
SOP	4.30	Pn	05:21:37.826	-0.3	T__	m_e	ML	4.8											
SQTA	3.50	Pn	05:21:28.195	0.9	T__	m_e	ML	4.9											
STU	5.52	Pn	05:21:53.739	-0.7	T__	m_e													
SULZ	5.03	Pn	05:21:47.609	-0.3	T__	m_e	ML	5.7											
TANN	6.41	Pn	05:22:05.773	-0.7	T__	m_e													
TNS	7.01	Pn	05:22:14.667	0.0	T__	m_e													
UBR	4.27	Pn	05:21:38.276	0.7	T__	m_e	ML	5.0											
WALHA	4.72	Pn	05:21:42.706	-1.0	T__	m_e	ML	5.0											
WET	5.12	Pn	05:21:48.199	-0.9	T__	m_e													
WILA	4.56	Sn	05:22:29.753	-3.6	T__	m_e													
WILA	4.56	Pn	05:21:41.885	0.3	T__	m_e	ML	5.0											
WLF	7.45	Pn	05:22:21.683	1.0	T__	m_e													
WTTA	3.43	Pn	05:21:27.234	0.9	T__	m_e	ML	5.1											
ZUGS	3.75	Sn	05:22:15.047	1.1	T__	m_e													
ZUGS	3.75	Pn	05:21:31.833	1.2	T__	m_e	ML	4.8											

Event 21120002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/20	09:17:22.01			42.6520	144.9130				33.0					79.39	79.39	m i ke	BGR
OrigID 21120008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	21120008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.39		P	09:29:23.929		32.4		4.76		TAS		11.8	0.82	m_e mb	5.0

Event 21120005 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2022/11/20	23:24:21.10			33.2800	28.6140				33.0					23	19.13	24.38	m i ke	BGR
OrigID 21120011																		

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 21120011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	23.40		P	23:29:29.057		135.4		10.79		TAS		59.4	0.65	m_e mb	5.3
ASSE	22.87		P	23:29:23.044	-0.2	135.4		10.79		TAS				m_e	
BFO	21.39		P	23:29:07.699	2.1	135.4		10.79		TAS				m_e	
BRG	20.60		P	23:28:59.091	-0.5	135.4		10.79		TAS				m_e	
BSEG	24.38		P	23:29:38.239		135.4		10.79		TAS		42.3	0.65	m_e mb	5.1
BUG	23.89		P	23:29:33.316		135.4		10.79		TAS		40.4	0.71	m_e mb	5.0
CLL	21.31		P	23:29:06.793	0.3	135.4		10.79		TAS				m_e	
CLZ	22.78		P	23:29:22.433	-0.2	135.4		10.79		TAS				m_e	
FLT1	22.80		P	23:29:21.907	1.6	135.4		10.79		TAS				m_e	
GEC2	19.13		P	23:28:41.890	-1.5	135.4		10.79		TAS				m_e	
GOR1	23.28		P	23:29:26.900	-0.6	135.4		10.79		TAS				m_e	
GTTG	22.74		P	23:29:23.171	-0.5	135.4		10.79		TAS				m_e	
IBBN	24.25		P	23:29:38.078		135.4		10.79		TAS		35.9	0.69	m_e mb	5.0
KAST	23.19		P	23:29:26.837	-0.6	135.4		10.79		TAS				m_e	
MOX	21.37		P	23:29:07.758	0.2	135.4		10.79		TAS				m_e	
NEUB	21.72		P	23:29:11.288	0.8	135.4		10.79		TAS				m_e	
PLN	21.02		P	23:29:03.684	1.2	135.4		10.79		TAS				m_e	
RUE	21.96		P	23:29:13.925	-0.2	135.4		10.79		TAS				m_e	
TANN	20.84		P	23:29:01.219	-0.0	135.4		10.79		TAS				m_e	
TNS	22.52		P	23:29:20.090	-0.3	135.4		10.79		TAS				m_e	
UBR	20.05		P	23:28:52.117	0.8	135.4		10.79		TAS				m_e	
WET	19.71		P	23:28:48.678	-1.1	135.4		10.79		TAS				m_e	
WLF	23.33		P	23:29:29.309		135.4		10.79		TAS		50.6	0.68	m_e mb	5.2

Event 21121001 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/21	04:24:54.42			28.9110	139.4330				33.0					89.14	89.14	m i ke	BGR
OrigID 21121007																	

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 21121007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	89.14		P	04:37:46.012		51.5		4.57		TAS		17.3	0.91	m_e mb	5.3

Event 21121003 Fox Islands, Aleutian Islands, United States

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

2022/11/21 15:09:42.40
21121009

53.6550 -168.9420

33.0

26

72.65 78.90 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	21121009
Ms	5.2		BGR	21121009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	75.99		P	15:21:24.685	0.6	0.1		5.65		TAS		72.9	1.08	m_e	mb	5.7
ASSE	74.46		P	15:21:15.932	-0.3	0.1		5.65		TAS		85.0	1.22	m_e	mb	5.6
BFO	78.23		P	15:21:36.587		0.1		5.65		TAS		101.4	1.19	m_e	mb	5.8
BRG	75.68		P	15:21:22.869	-0.2	0.1		5.65		TAS		70.0	1.17	m_e	mb	5.7
BSEG	72.65		P	15:21:05.581	-0.0	0.1		5.65		TAS		92.1	1.08	m_e	mb	5.8
BUG	75.10		P	15:21:19.256	-0.1	0.1		5.65		TAS		74.0	1.12	m_e	mb	5.6
CLL	75.26		P	15:21:20.257	0.0	0.1		5.65		TAS		55.5	1.06	m_e	mb	5.5
CLZ	74.74		P	15:21:18.003	0.0	0.1		5.65		TAS		163.6	1.29	m_e	mb	5.9
FLT1	74.25		P	15:21:14.398	-0.3	0.1		5.65		TAS		136.3	1.54	m_e	mb	5.8
FUR	78.42		P	15:21:38.495		0.1		5.65		TAS		153.1	1.12	m_e	mb	5.9
GEC2	77.72		P	15:21:34.504		0.1		5.65		TAS		96.3	1.25	m_e	mb	5.8
GRA1	76.89		P	15:21:30.382	0.0	0.1		5.65		TAS		211.6	1.33	m_e	mb	6.1
GRA1	76.89		L	16:01:16.723						T__		1132.6	19.40	a_e	Ms	5.2
GTTG	75.03		P	15:21:19.590	-0.0	0.1		5.65		TAS		139.0	1.13	m_e	mb	5.9
IBBN	74.24		P	15:21:14.816	0.3	0.1		5.65		TAS		127.7	1.04	m_e	mb	5.9
KAST	75.36		P	15:21:21.116	0.1	0.1		5.65		TAS		52.2	1.13	m_e	mb	5.5
MOX	75.94		P	15:21:24.411	0.4	0.1		5.65		TAS		113.8	1.28	m_e	mb	5.8
MOX	75.94		L	16:00:59.847						T__		1144.5	21.30	a_e	Ms	5.2
NEUB	75.39		P	15:21:21.259	0.1	0.1		5.65		TAS		229.0	1.45	m_e	mb	6.1
PLN	76.10		P	15:21:25.341	0.2	0.1		5.65		TAS		19.7	1.21	m_e	mb	5.1
RUE	74.08		P	15:21:13.873	0.4	0.1		5.65		TAS		140.0	1.23	m_e	mb	5.8
SCHI	73.23		P	15:21:09.302	0.1	0.1		5.65		TAS		232.4	1.24	m_e	mb	6.2
STU	77.80		P	15:21:34.834		0.1		5.65		TAS		278.9	1.26	m_e	mb	6.2
TANN	76.16		P	15:21:25.520	0.1	0.1		5.65		TAS		71.3	1.34	m_e	mb	5.6
TNS	76.34		P	15:21:26.737	-0.1	0.1		5.65		TAS		70.2	1.16	m_e	mb	5.7
UBR	78.90		P	15:21:41.125		0.1		5.65		TAS		119.0	1.16	m_e	mb	5.8
WET	77.43		P	15:21:33.037	-0.1	0.1		5.65		TAS		77.7	1.26	m_e	mb	5.7
WLF	76.84		P	15:21:29.778	-0.7	0.1		5.65		TAS		99.8	1.23	m_e	mb	5.8

Event 21121004 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/21	21:45:51.24		55.3590	162.5370					33.0					71.50	72.49	m i ke	BGR
OrigID 21121010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	21121010
Ms	4.8		BGR	21121010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	72.49		P	21:57:13.645		15.2		5.23		TAS		15.4	1.06	m_e	mb 5.1
GRA1	72.49		L	22:31:34.456						T__		533.4	21.90	a_e	Ms 4.8
MOX	71.50		L	22:31:30.559						T__		638.4	19.70	a_e	Ms 4.9

Event 21122002 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/22	02:03:11.04			-8.5710	160.4760				33.0			13		128.47	133.88	m i ke	BGR
OrigID 21122008																	

Magnitude	Err	Nsta	Author	OrigID
Ms 7.3			BGR	21122008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	132.65		PKPdf	02:22:22.598	-0.2	42.5		1.91		TAS				m_e	
AHRW	132.65		PP	02:24:55.374		44.0		6.65		TAS				m_e	
ASSE	130.00		PKPdf	02:22:17.711	0.1	42.5		1.91		TAS				m_e	
BFO	133.88		PKPdf	02:22:24.692		42.5		1.91		TAS				m_e	
BFO	133.88		PP	02:24:59.329		44.0		6.65		TAS				m_e	
BRG	129.54		PKPdf	02:22:16.548	-0.4	42.5		1.91		TAS		149.2	1.34	m_e	
BSEG	128.74		PKPdf	02:22:15.152	0.4	42.5		1.91		TAS		166.0	1.15	m_e	
BUG	131.85		PKPdf	02:22:21.201	0.2	42.5		1.91		TAS				m_e	
CLL	129.65		PKPdf	02:22:16.315	-0.1	42.5		1.91		TAS		186.5	1.64	m_e	
CLL	129.65		PP	02:24:32.106	1.3	44.0		6.65		TAS				m_e	
CLZ	130.34		PKPdf	02:22:18.409	0.0	42.5		1.91		TAS				m_e	
FLT1	129.62		PKPdf	02:22:16.548	0.3	42.5		1.91		TAS		129.9	1.18	m_e	
FLT1	129.62		PP	02:24:34.898	-0.0	44.0		6.65		TAS				m_e	
FUR	132.70		PKPdf	02:22:22.132	0.1	42.5		1.91		TAS				m_e	
GEC2	131.08		PKPdf	02:22:19.340	-1.2	42.5		1.91		TAS				m_e	
GEC2	131.08		PP	02:24:42.577		44.0		6.65		TAS				m_e	
GOR1	129.09		PKPdf	02:22:16.083	0.1	42.5		1.91		TAS		347.7	1.40	m_e	
GOR1	129.09		PP	02:24:27.918	0.9	44.0		6.65		TAS				m_e	
GRA1	131.60		PKPdf	02:22:20.736	-0.0	42.5		1.91		TAS				m_e	
GRA1	131.60		PP	02:24:46.998		44.0		6.65		TAS				m_e	
GRA1	131.60		L	03:25:32.305						T__		75350.6	20.80	a_e	Ms 7.4
GTTG	130.73		PKPdf	02:22:18.875	-0.1	42.5		1.91		TAS				m_e	
IBBN	130.98		PKPdf	02:22:18.177	0.3	42.5		1.91		TAS				m_e	
KAST	131.60		PKPdf	02:22:20.503	0.1	42.5		1.91		TAS				m_e	
KAST	131.60		PP	02:24:45.369		44.0		6.65		TAS				m_e	
MOX	130.73		PKPdf	02:22:18.642	0.1	42.5		1.91		TAS				m_e	
MOX	130.73		PP	02:24:40.948		44.0		6.65		TAS				m_e	
MOX	130.73		L	03:23:34.000						T__		67312.5	21.70	a_e	Ms 7.3
NEUB	130.25		PKPdf	02:22:17.944	0.3	42.5		1.91		TAS				m_e	
PLN	130.61		PKPdf	02:22:18.642	-0.1	42.5		1.91		TAS				m_e	

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PLN	130.61	PP	02:24:40.017		44.0	6.65	TAS										m_e
RUE	128.47	PKPdf	02:22:14.221	0.0	42.5	1.91	TAS				149.6	1.19					m_e
RUE	128.47	PP	02:24:23.962	1.8	44.0	6.65	TAS										m_e
TANN	130.53	PKPdf	02:22:18.409	0.1	42.5	1.91	TAS										m_e
TNS	132.36	PKPdf	02:22:22.132	-0.4	42.5	1.91	TAS										m_e
UBR	133.59	PKPdf	02:22:23.994	-0.1	42.5	1.91	TAS										m_e
UBR	133.59	PP	02:24:57.933		44.0	6.65	TAS										m_e
WET	131.25	PKPdf	02:22:20.038	0.3	42.5	1.91	TAS										m_e
WET	131.25	PP	02:24:43.275		44.0	6.65	TAS										m_e
WLF	133.71	PKPdf	02:22:24.931		42.5	1.91	TAS										m_e

Event 21122001 Azores Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/22	02:09:02.19			34.5580	-34.5170				10.0					36.52	36.52	m i ke	BGR
21122007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	21122007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	36.52		P	02:16:04.262		261.9		8.72		TAS		27.2	1.32	m_e mb	4.8

Event 21122003 Off west coast of South Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/22	02:37:57.10			-9.8900	159.4800				10.0				18	129.22	134.62	m i ke	NEIC
21122042																	

Magnitude	Err	Nsta	Author	OrigID
Ms	7.0		BGR	21122009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	130.79		PKPdf	02:57:17.346	-0.1	44.5		2.04		TAS					m_e
ASSE	130.79		X	03:00:34.246	-0.7	46.5		3.63		TAS					m_e
BFO	134.62		X	03:00:47.741		46.5		3.63		TAS					m_e
BRG	130.26		PKPdf	02:57:16.219	-0.2	44.5		2.04		TAS					m_e
BRG	130.26		X	03:00:31.686	0.1	46.5		3.63		TAS					m_e
BSEG	129.58		PKPdf	02:57:14.789	0.1	44.5		2.04		TAS		36.2	1.15		m_e
BSEG	129.58		X	03:00:30.523	0.3	46.5		3.63		TAS					m_e
BUG	132.68		X	03:00:41.924		46.5		3.63		TAS					m_e
CLL	130.38		PKPdf	02:57:15.991	0.1	44.5		2.04		TAS					m_e
CLL	130.38		X	03:00:32.617	-0.3	46.5		3.63		TAS					m_e

CLZ	131.13	PKPdf	02:57:18.046		44.5	2.04	TAS										m_e
CLZ	131.13	X	03:00:36.107	0.4	46.5	3.63	TAS										m_e
FLT1	130.41	PKPdf	02:57:16.250	0.1	44.5	2.04	TAS										m_e
FLT1	130.41	X	03:00:31.919	-1.1	46.5	3.63	TAS										m_e
GEC2	131.75	PKPdf	02:57:19.115		44.5	2.04	TAS										m_e
GEC2	131.75	X	03:00:36.340	0.0	46.5	3.63	TAS										m_e
GOR1	129.89	PKPdf	02:57:15.671	-0.4	44.5	2.04	TAS				120.8	1.44					m_e
GOR1	129.89	X	03:00:30.523	-0.8	46.5	3.63	TAS										m_e
GRA1	132.33	X	03:00:41.226		46.5	3.63	TAS										m_e
GRA1	132.33	L	03:59:10.057				T__				30761.5	19.10		a_e	Ms	7.0	
IBBN	131.82	X	03:00:37.969		46.5	3.63	TAS										m_e
KAST	132.41	PKPdf	02:57:20.601		44.5	2.04	TAS										m_e
KAST	132.41	X	03:00:40.528		46.5	3.63	TAS										m_e
MOX	131.47	X	03:00:35.176	0.5	46.5	3.63	TAS										m_e
MOX	131.47	L	03:58:31.130				T__				30816.8	18.80		a_e	Ms	7.0	
PLN	131.34	X	03:00:35.409	-0.2	46.5	3.63	TAS										m_e
RUE	129.22	PKPdf	02:57:14.113	0.2	44.5	2.04	TAS				72.0	1.49					m_e
STU	133.91	X	03:00:44.949		46.5	3.63	TAS										m_e
TANN	131.25	PKPdf	02:57:18.195		44.5	2.04	TAS										m_e
UBR	134.29	X	03:00:46.810		46.5	3.63	TAS										m_e
WET	131.94	PKPdf	02:57:19.654		44.5	2.04	TAS										m_e
WLF	134.52	X	03:00:46.578		46.5	3.63	TAS										m_e

Event 21122007 Baja California, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/22	16:39:03.37			30.2700	-116.5270				10.0					87.24	87.77	m i ke	BGR
OrigID 21122013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	21122013
Ms	6.7		BGR	21122013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	87.77		P	16:51:51.815		317.0		4.41		TAS		26.4	1.36	m_e	mb 5.4
GRA1	87.77		L	17:29:43.152						T__		26863.2	19.70	a_e	Ms 6.7
MOX	87.24		L	17:27:52.999						T__		29989.7	21.60	a_e	Ms 6.7

Event 21123001 Black Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2022/11/23	01:08:15.50	2.56	2.27	40.8500	30.9700	102.3	28.9	128	10.0					54	314	4.07	19.54	m i ke	NEIC
OrigID 21123040																			

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 21123007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	19.21		Pn	01:12:40.287	-4.0					T__		243.3	1.04	m_e	mb 5.4
ARSA	12.81		Pn	01:11:17.065	-1.3					T__				m_e	
ASSE	17.88		Pn	01:12:24.219	-1.3					T__				m_e	
BFO	17.72		Pn	01:12:23.188	-2.0					T__				m_e	
BSEG	19.05		Pn	01:12:38.955	-2.0					T__		186.9	0.84	m_e	mb 5.3
BUD	10.83		Pn	01:10:50.341	-0.4					T__				m_e	
BUG	19.44		Pn	01:12:43.870	-3.2					T__		74.4	0.91	m_e	mb 4.9
CKRC	14.23		Pn	01:11:39.367	2.5					T__				m_e	
CLL	16.22		Pn	01:12:04.262	1.2					T__				m_e	
CLZ	17.90		Pn	01:12:24.344	-1.5					T__				m_e	
DAVA	16.43		Pn	01:12:10.638	2.4					T__				m_e	
DPC	13.95		Pn	01:11:37.564	5.9					T__				m_e	
FETA	15.81		Pn	01:11:58.298	-1.5					T__				m_e	
FLT1	17.69		Pn	01:12:21.731	-1.1					T__				m_e	
FUR	15.80		Pn	01:11:59.808	0.8					T__				m_e	
GEC2	14.60		Pn	01:11:42.303	0.4					T__				m_e	
GKP	15.51		Pn	01:11:53.940	0.8					T__				m_e	
GRA1	16.43		Pn	01:12:08.925	2.4					T__				m_e	
GTTG	17.97		Pn	01:12:25.931	-1.1					T__				m_e	
IBBN	19.54		Pn	01:12:44.660	-3.4					T__		190.0	0.93	m_e	mb 5.3
JAVC	12.36		Pn	01:11:11.545	0.6					T__				m_e	
KAST	18.69		Pn	01:12:34.440	-2.4					T__		114.1	0.90	m_e	mb 5.1
KHC	14.80		Pn	01:11:45.027	0.5					T__				m_e	
KRUC	13.17		Pn	01:11:22.806	0.8					T__				m_e	
LESA	14.66		Pn	01:11:44.934	1.1					T__				m_e	
MLR	5.91		Pn	01:09:43.857	0.4					T__				m_e	
MOA	13.83		Pn	01:11:31.620	-0.4					T__				m_e	
MORC	12.97		Pn	01:11:19.970	0.9					T__				m_e	
MOTA	15.65		Pn	01:11:55.692	-1.8					T__				m_e	
MOX	16.63		Pn	01:12:08.603	-0.3					T__				m_e	
NEUB	16.82		Pn	01:12:11.742	0.5					T__				m_e	
NIE	11.39		Pn	01:10:59.694	2.2					T__				m_e	
OBKA	13.15		Pn	01:11:22.510	-1.2					T__				m_e	
OKC	12.71		Pn	01:11:20.220	4.8					T__				m_e	
PLN	16.25		Pn	01:12:06.602	2.8					T__				m_e	
PRU	14.68		Pn	01:11:45.011	2.6					T__				m_e	
PSZ	10.61		Pn	01:10:46.498	-0.8					T__				m_e	
PVCC	14.96		Pn	01:11:50.173	4.1					T__				m_e	
RETA	15.92		Pn	01:11:59.354	-1.6					T__				m_e	
RGN	18.05		Pn	01:12:26.616	-0.8					T__				m_e	
SCHI	17.49		Pn	01:12:21.211	1.4					T__				m_e	
SOP	12.37		Pn	01:11:14.008	2.1					T__				m_e	
SQTA	15.55		Pn	01:11:55.239	-0.9					T__				m_e	
STU	17.31		Pn	01:12:19.512	0.2					T__				m_e	

SUW	14.16	Pn	01:11:32.839	-3.2	T__												m_e		
TANN	16.05	Pn	01:12:01.000	-0.0	T__													m_e	
TIRR	4.07	Pg	01:09:18.243	-3.5	T__													m_e	
TNS	18.28	Pn	01:12:28.546	-3.2	T__							85.0	0.83	m_e mb				4.9	
TREC	13.79	Pn	01:11:33.403	2.9	T__													m_e	
UBR	16.40	Pn	01:12:07.189	-0.2	T__													m_e	
VRAC	13.19	Pn	01:11:25.148	2.9	T__													m_e	
WET	15.21	Pn	01:11:52.017	1.8	T__													m_e	
WLF	19.48	Pn	01:12:43.006	-5.5	T__									141.7	0.99	m_e mb		5.2	
WTTA	15.28	Pn	01:11:52.208	-0.2	T__													m_e	

Event 21123002 Off southeast coast of Hokkaido, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/23	16:26:06.05			44.2800	140.1600				247.0					76.25	76.25	m i ke	NEIC
OrigID 21123041																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	21123008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.25		P	16:38:18.282		30.2		4.56		TAS		17.3	0.75	m_e mb	5.3

Event 21123003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/23	16:52:28.84			33.7020	141.2300				33.0					84.89	85.78	m i ke	BGR
OrigID 21123009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	21123009
Ms	4.9		BGR	21123009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	85.78		P	17:05:04.189		46.6		4.63		TAS		23.2	0.88	m_e mb	5.3
GRA1	85.78		L	17:47:43.706						T__		541.8	19.90	a_e Ms	5.0
MOX	84.89		L	17:46:22.079						T__		432.6	18.90	a_e Ms	4.9

Event 21123004 Norwegian Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2022/11/23 17:04:28.11 72.9720 3.5260 33.0 22.65 23.58 m i ke BGR
 21123010

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 21123010
 Ms 4.2 BGR 21123010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.58		P	17:09:35.816		351.3		9.13		TAS		42.6	0.96	m_e	mb 5.0
GRA1	23.58		L	17:18:08.336						T__		972.7	21.50	a_e	Ms 4.2
MOX	22.65		L	17:17:29.354						T__		712.1	21.80	a_e	Ms 4.1

Event 21123005 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/23	22:00:18.64			71.8850	-3.9280				33.0					22.40	23.28	m i ke	BGR

OrigID
21123011

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 21123011
 Ms 4.2 BGR 21123011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.28		P	22:05:23.390		345.3		9.09		TAS		35.2	1.10	m_e	mb 4.8
GRA1	23.28		L	22:13:24.047						T__		1155.2	21.10	a_e	Ms 4.3
MOX	22.40		L	22:13:08.318						T__		958.8	21.90	a_e	Ms 4.2

Event 21124002 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/24	00:31:58.11			71.9350	-2.9510				33.0					23.20	23.20	m i ke	BGR

OrigID
21124008

Magnitude Err Nsta Author OrigID
 mb 4.7 BGR 21124008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	23.20		P	00:37:02.055		345.7		9.31		TAS		27.7	1.05	m_e	mb 4.7

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Event 21124005 Western Texas, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/24	19:19:34.73			31.7490	-104.1030				33.0					80.63	80.63	m i ke	BGR
OrigID 21124011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	21124011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.63		P	19:31:43.602		303.1		5.32		TAS		15.4	1.04	m_e mb	5.0

Event 21125001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/25	11:28:13.00			-18.2270	-178.0560				539.3				26	143.69	149.79	m i ke	USGS
OrigID 21125019																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.41		PKPbc	11:46:56.635	0.4	16.7		2.77		TAS				m_e	
ASSE	145.39		PKPbc	11:46:50.995	0.2	16.7		2.77		TAS				m_e	
BFO	149.44		PKPbc	11:47:01.633		16.7		2.77		TAS				m_e	
BRG	145.97		PKPbc	11:46:52.922	0.5	16.7		2.77		TAS				m_e	
BSEG	143.69		PKPbc	11:46:45.711	0.3	16.7		2.77		TAS				m_e	
CLL	145.76		PKPbc	11:46:52.208	0.2	16.7		2.77		TAS				m_e	
CLZ	145.72		PKPbc	11:46:51.780	0.1	16.7		2.77		TAS				m_e	
FLT1	145.11		PKPbc	11:46:49.495	0.3	16.7		2.77		TAS				m_e	
FUR	149.10		PKPbc	11:47:01.062		16.7		2.77		TAS				m_e	
GEC2	147.93		PKPbc	11:46:58.134		16.7		2.77		TAS				m_e	
GOR1	144.46		PKPbc	11:46:48.639	-0.0	16.7		2.77		TAS				m_e	
GRA1	147.65		PKPbc	11:46:57.563	-0.2	16.7		2.77		TAS				m_e	
GTTG	146.06		PKPbc	11:46:53.065	0.2	16.7		2.77		TAS				m_e	
IBBN	145.60		PKPbc	11:46:51.551	-0.0	16.7		2.77		TAS				m_e	
KAST	146.61		PKPbc	11:46:54.422	0.0	16.7		2.77		TAS				m_e	
MOX	146.66		PKPbc	11:46:54.636	0.3	16.7		2.77		TAS				m_e	
NEUB	146.11		PKPbc	11:46:53.121	0.3	16.7		2.77		TAS				m_e	
PLN	146.71		PKPbc	11:46:54.922	-0.0	16.7		2.77		TAS				m_e	
RUE	144.50		PKPbc	11:46:47.911	0.1	16.7		2.77		TAS				m_e	
SCHI	143.86		PKPbc	11:46:46.449	-0.6	16.7		2.77		TAS				m_e	
STU	148.88		PKPbc	11:47:00.471		16.7		2.77		TAS				m_e	
TANN	146.72		PKPbc	11:46:55.190	-0.1	16.7		2.77		TAS				m_e	
TNS	147.56		PKPbc	11:46:57.063	-0.1	16.7		2.77		TAS				m_e	
UBR	149.79		PKPbc	11:47:02.418		16.7		2.77		TAS				m_e	
WET	147.83		PKPbc	11:46:57.777	-0.7	16.7		2.77		TAS				m_e	

WLF 148.36 PKPbc 11:46:59.634 -0.5 16.7 2.77 TAS m_e

Event 21126003 Mariana Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/11/26 06:05:35.00 18.7610 146.9610 17.0 100.44 101.32 m i ke USGS
21126021

Magnitude Err Nsta Author OrigID
Ms 5.5 BGR 21126009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 101.32 Pdiff 06:19:25.865 T__ m_e
GRA1 101.32 L 07:09:31.903 T__ 1518.2 19.50 a_e Ms 5.5
MOX 100.44 L 07:08:48.043 T__ 1453.0 18.50 a_e Ms 5.5

Event 21127001 Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2022/11/27 04:59:59.12 50.4320 153.6950 33.0 24 71.35 77.24 m i ke BGR
21127007

Magnitude Err Nsta Author OrigID
mb 5.6 BGR 21127007
Ms 4.8 BGR 21127007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
AHRW 75.33 P 05:11:37.807 23.7 5.78 TAS 74.0 0.92 m_e mb 5.7
BFO 77.09 P 05:11:47.528 23.7 5.78 TAS 41.8 0.87 m_e mb 5.6
BRG 73.30 P 05:11:26.186 0.3 23.7 5.78 TAS 16.6 1.03 m_e mb 5.1
BSEG 71.43 P 05:11:15.656 -0.4 23.7 5.78 TAS 27.4 0.91 m_e mb 5.4
BUG 74.45 P 05:11:32.122 -0.2 23.7 5.78 TAS 52.8 0.95 m_e mb 5.5
CLL 73.16 P 05:11:24.591 -0.1 23.7 5.78 TAS 45.7 0.77 m_e mb 5.7
CLZ 73.34 P 05:11:27.098 -0.2 23.7 5.78 TAS 45.9 0.95 m_e mb 5.6
FLT1 72.68 P 05:11:21.864 0.8 23.7 5.78 TAS 39.7 0.87 m_e mb 5.6
FUR 76.48 P 05:11:44.566 23.7 5.78 TAS 76.3 0.86 m_e mb 5.8
GEC2 75.20 P 05:11:37.136 -0.0 23.7 5.78 TAS 29.4 0.80 m_e mb 5.4
GRA1 75.10 P 05:11:36.895 0.1 23.7 5.78 TAS 87.1 0.80 m_e mb 5.8
GRA1 75.10 L 05:47:48.457 T__ 383.5 20.70 a_e Ms 4.7
IBBN 73.53 P 05:11:27.563 0.4 23.7 5.78 TAS 65.5 0.90 m_e mb 5.7
KAST 74.40 P 05:11:32.805 -0.1 23.7 5.78 TAS 47.2 0.91 m_e mb 5.5
MOX 74.12 P 05:11:31.123 0.1 23.7 5.78 TAS 31.1 0.90 m_e mb 5.3
MOX 74.12 L 05:47:08.314 T__ 632.6 22.00 a_e Ms 4.9

NEUB	73.58	P	05:11:27.866	-0.5	23.7	5.78	TAS	29.7	0.69	m_e	mb	5.4
PLN	74.13	P	05:11:30.668	-0.1	23.7	5.78	TAS	9.0	0.83	m_e	mb	4.8
RUE	71.89	P	05:11:17.575	-0.7	23.7	5.78	TAS	49.2	0.80	m_e	mb	5.7
SCHI	71.35	P	05:11:14.443	0.5	23.7	5.78	TAS	42.2	0.66	m_e	mb	5.7
STU	76.46	P	05:11:44.127		23.7	5.78	TAS	140.9	1.03	m_e	mb	6.0
TANN	74.11	P	05:11:30.678	0.5	23.7	5.78	TAS	125.1	2.03	m_e	mb	5.6
TNS	75.30	P	05:11:37.579		23.7	5.78	TAS	69.0	0.81	m_e	mb	5.7
UBR	77.24	P	05:11:48.820		23.7	5.78	TAS	45.2	0.95	m_e	mb	5.6
WET	75.15	P	05:11:37.275	-0.5	23.7	5.78	TAS	60.3	0.82	m_e	mb	5.7
WLF	76.36	P	05:11:43.519		23.7	5.78	TAS	80.3	1.33	m_e	mb	5.7

Event 21128001 Azores Islands, Portugal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/28	02:51:40.41			37.2240	-30.2300				33.0			27		28.89	34.12	m i ke	BGR
21128007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	21128007
Ms	5.6		BGR	21128007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	29.65		P	02:57:43.181	-0.1	263.1		8.76		TAS		181.3	1.61	m_e	mb	5.7
ASSE	32.18		P	02:58:05.326	-0.2	263.1		8.76		TAS		223.7	1.41	m_e	mb	5.9
BFO	30.09		P	02:57:47.213		263.1		8.76		TAS		202.0	1.62	m_e	mb	5.7
BRG	34.01		P	02:58:20.704	0.1	263.1		8.76		TAS		117.8	1.64	m_e	mb	5.6
BSEG	32.37		P	02:58:06.077	0.5	263.1		8.76		TAS		271.3	1.33	m_e	mb	6.0
BUG	29.97		P	02:57:45.496	-0.3	263.1		8.76		TAS		132.9	1.42	m_e	mb	5.6
CLL	33.47		P	02:58:15.988	-11.9	263.1		8.76		TAS		116.2	1.63	m_e	mb	5.5
CLZ	31.94		P	02:58:03.002	0.3	263.1		8.76		TAS		120.0	1.38	m_e	mb	5.6
FLT1	32.56		P	02:58:08.040	0.4	263.1		8.76		TAS		202.2	1.63	m_e	mb	5.8
FUR	32.03		P	02:58:04.779		263.1		8.76		TAS		272.0	1.92	m_e	mb	5.8
GEC2	33.68		P	02:58:18.219	1.6	263.1		8.76		TAS		79.5	1.63	m_e	mb	5.4
GOR1	32.73		P	02:58:09.426	0.4	263.1		8.76		TAS		330.1	1.77	m_e	mb	6.0
GRA1	32.14		P	02:58:04.642	0.7	263.1		8.76		TAS		263.0	1.73	m_e	mb	5.9
GRA1	32.14		L	03:09:46.108						T__		9113.2	18.50	a_e	Ms	5.5
GTTG	31.64		P	02:58:00.541	0.1	263.1		8.76		TAS		128.2	1.45	m_e	mb	5.7
IBBN	30.47		P	02:57:49.800	0.7	263.1		8.76		TAS		140.2	1.34	m_e	mb	5.6
KAST	30.62		P	02:57:51.314	0.2	263.1		8.76		TAS		110.6	1.57	m_e	mb	5.5
MOX	32.52		P	02:58:08.128	0.5	263.1		8.76		TAS		119.3	1.49	m_e	mb	5.6
MOX	32.52		L	03:10:10.933						T__		13238.9	18.50	a_e	Ms	5.7
NEUB	32.69		P	02:58:09.475	0.5	263.1		8.76		TAS		225.6	1.85	m_e	mb	5.8
PLN	32.84		P	02:58:10.862	-0.1	263.1		8.76		TAS		48.0	1.51	m_e	mb	5.2
RUE	34.12		P	02:58:21.772	0.6	263.1		8.76		TAS		116.7	1.03	m_e	mb	5.8
STU	30.71		P	02:57:52.464		263.1		8.76		TAS		310.8	1.62	m_e	mb	6.0
TANN	33.02		P	02:58:12.617	-0.0	263.1		8.76		TAS		101.7	1.56	m_e	mb	5.5

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TNS	30.45	P	02:57:50.357	0.1	263.1	8.76	TAS	149.0	1.53	m_e	mb	5.6
UBR	31.21	P	02:57:57.602		263.1	8.76	TAS	72.8	1.46	m_e	mb	5.4
WET	33.16	P	02:58:13.596	1.4	263.1	8.76	TAS	133.9	1.84	m_e	mb	5.6
WLF	28.89	P	02:57:36.068	0.4	263.1	8.76	TAS	175.9	1.38	m_e	mb	5.7

Event 21129002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/29	19:31:56.00			-20.8140	-178.8730				592.8			21		146.11	152.15	m i ke	USGS
	21129020																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.79		PKPbc	19:50:34.963	0.1	19.2		2.48		TAS				m_e	
BFO	151.85		PKPbc	19:50:44.147		19.2		2.48		TAS				m_e	
BRG	148.28		PKPbc	19:50:36.469	0.3	19.2		2.48		TAS				m_e	
BSEG	146.11		PKPbc	19:50:30.499	-0.5	19.2		2.48		TAS				m_e	
CLL	148.10		PKPbc	19:50:35.698	0.3	19.2		2.48		TAS				m_e	
CLZ	148.12		PKPbc	19:50:36.470	0.2	19.2		2.48		TAS				m_e	
FLT1	147.50		PKPbc	19:50:33.636	0.1	19.2		2.48		TAS				m_e	
GEC2	150.20		PKPbc	19:50:41.086		19.2		2.48		TAS				m_e	
GRA1	150.01		PKPbc	19:50:40.818		19.2		2.48		TAS				m_e	
IBBN	148.06		PKPbc	19:50:35.962	-0.1	19.2		2.48		TAS				m_e	
KAST	149.05		PKPbc	19:50:38.314	0.3	19.2		2.48		TAS				m_e	
MOX	149.02		PKPbc	19:50:38.343	-0.0	19.2		2.48		TAS				m_e	
NEUB	148.47		PKPbc	19:50:36.757	0.3	19.2		2.48		TAS				m_e	
PLN	149.06		PKPbc	19:50:38.563	-1.0	19.2		2.48		TAS				m_e	
RUE	146.83		PKPbc	19:50:32.097	0.7	19.2		2.48		TAS				m_e	
SCHI	146.23		PKPbc	19:50:31.005	0.1	19.2		2.48		TAS				m_e	
STU	151.28		PKPbc	19:50:43.754		19.2		2.48		TAS				m_e	
TANN	149.05		PKPbc	19:50:38.453	-0.5	19.2		2.48		TAS				m_e	
TNS	150.00		PKPbc	19:50:40.816		19.2		2.48		TAS				m_e	
UBR	152.15		PKPbc	19:50:45.281		19.2		2.48		TAS				m_e	
WLF	150.84		PKPbc	19:50:43.193		19.2		2.48		TAS				m_e	

Event 21129003 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/29	23:50:37.59			52.9960	-35.7010				33.0			23		26.05	30.89	m i ke	BGR
	21129009																

Magnitude Err Nsta Author OrigID

mb 5.5 BGR 21129009
 Ms 5.3 BGR 21129009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	26.27		P	23:56:09.338	-0.1	294.8		8.88		TAS		131.6	1.60	m_e	mb 5.3
ASSE	27.80		P	23:56:21.956	-0.2	294.8		8.88		TAS		295.6	2.24	m_e	mb 5.7
BFO	27.93		P	23:56:24.352		294.8		8.88		TAS		72.2	1.35	m_e	mb 5.3
BRG	30.16		P	23:56:43.103	-0.1	294.8		8.88		TAS		163.2	2.13	m_e	mb 5.5
BSEG	27.01		P	23:56:14.748	0.1	294.8		8.88		TAS		118.4	1.16	m_e	mb 5.5
BUG	26.06		P	23:56:06.816	-0.4	294.8		8.88		TAS		196.7	1.34	m_e	mb 5.6
CLL	29.45		P	23:56:36.802	-0.1	294.8		8.88		TAS		53.4	1.16	m_e	mb 5.3
CLZ	27.73		P	23:56:21.674	-0.8	294.8		8.88		TAS		257.9	2.00	m_e	mb 5.7
FLT1	28.05		P	23:56:23.654	-0.6	294.8		8.88		TAS		48.3	1.24	m_e	mb 5.2
GEC2	30.89		P	23:56:50.372		294.8		8.88		TAS		75.1	1.66	m_e	mb 5.4
GOR1	27.87		P	23:56:22.341	-0.7	294.8		8.88		TAS		529.1	2.11	m_e	mb 6.0
GRA1	29.06		P	23:56:34.455		294.8		8.88		TAS		71.0	1.25	m_e	mb 5.4
GRA1	29.06		L	00:07:12.938						T__		8026.9	18.10	a_e	Ms 5.4
GTTG	27.60		P	23:56:21.016	-0.2	294.8		8.88		TAS		253.5	1.76	m_e	mb 5.8
IBBN	26.05		P	23:56:06.784	0.2	294.8		8.88		TAS		168.6	1.05	m_e	mb 5.6
KAST	26.82		P	23:56:13.322	0.0	294.8		8.88		TAS		45.2	1.04	m_e	mb 5.1
MOX	28.90		P	23:56:32.470	0.5	294.8		8.88		TAS		138.4	1.87	m_e	mb 5.5
MOX	28.90		L	00:06:29.790						T__		6615.3	21.50	a_e	Ms 5.2
NEUB	28.78		P	23:56:31.064	-0.1	294.8		8.88		TAS		435.8	2.46	m_e	mb 5.8
PLN	29.28		P	23:56:35.800	0.4	294.8		8.88		TAS		19.2	1.21	m_e	mb 4.8
SCHI	28.63		P	23:56:29.291	-0.2	294.8		8.88		TAS		255.7	1.31	m_e	mb 5.9
TANN	29.49		P	23:56:37.635	-0.1	294.8		8.88		TAS		62.9	1.34	m_e	mb 5.3
TNS	27.21		P	23:56:18.083	0.0	294.8		8.88		TAS		228.5	1.64	m_e	mb 5.6
WET	30.27		P	23:56:44.765		294.8		8.88		TAS		139.5	2.00	m_e	mb 5.4
WLF	26.07		P	23:56:07.168	0.9	294.8		8.88		TAS		81.4	1.20	m_e	mb 5.2

Event 21130002 Alberta, Canada

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/30	00:56:09.23		57.1340	-115.5260					33.0			26		60.74	66.22	m i ke	BGR
21130008																	

Magnitude Err Nsta Author OrigID
 mb 5.6 BGR 21130008
 Ms 5.1 BGR 21130008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	62.65		P	01:06:29.323	0.1	331.2		6.54		TAS		127.3	1.64	m_e	mb 5.8
ASSE	62.41		P	01:06:27.717	-0.5	331.2		6.54		TAS		62.1	1.34	m_e	mb 5.6
BFO	64.97		P	01:06:44.348		331.2		6.54		TAS		80.6	1.43	m_e	mb 5.8
BRG	64.50		P	01:06:41.466	-0.1	331.2		6.54		TAS		33.7	0.91	m_e	mb 5.6
BSEG	60.74		P	01:06:16.677	0.2	331.2		6.54		TAS		60.3	0.85	m_e	mb 5.5

BUG	61.94	P	01:06:24.104	-0.1	331.2	6.54	TAS	116.1	1.62	m_e	mb	5.8
CLL	63.83	P	01:06:36.749	0.2	331.2	6.54	TAS	33.1	0.95	m_e	mb	5.5
CLZ	62.57	P	01:06:29.423	-0.2	331.2	6.54	TAS	75.6	1.09	m_e	mb	5.7
FLT1	62.41	P	01:06:27.215	0.4	331.2	6.54	TAS	98.5	1.61	m_e	mb	5.7
FUR	66.07	P	01:06:51.674		331.2	6.54	TAS	52.5	1.08	m_e	mb	5.7
GEC2	66.22	P	01:06:52.376	0.1	331.2	6.54	TAS	20.8	1.02	m_e	mb	5.3
GOR1	61.86	P	01:06:24.204	-0.3	331.2	6.54	TAS	76.5	1.38	m_e	mb	5.7
GRA1	64.71	P	01:06:43.114	0.0	331.2	6.54	TAS	37.5	0.91	m_e	mb	5.6
GRA1	64.71	L	01:35:53.078				T__	927.7	19.80	a_e	Ms	5.0
GTTG	62.70	P	01:06:30.025	-0.1	331.2	6.54	TAS	89.6	1.62	m_e	mb	5.6
IBBN	61.35	P	01:06:20.491	0.6	331.2	6.54	TAS	50.0	1.07	m_e	mb	5.3
KAST	62.51	P	01:06:28.309	0.0	331.2	6.54	TAS	17.4	1.01	m_e	mb	5.1
MOX	64.00	P	01:06:38.154	-0.1	331.2	6.54	TAS	32.4	0.86	m_e	mb	5.6
MOX	64.00	L	01:36:34.068				T__	1355.7	18.10	a_e	Ms	5.2
NEUB	63.56	P	01:06:35.143	0.1	331.2	6.54	TAS	38.8	0.90	m_e	mb	5.6
PLN	64.30	P	01:06:39.961	0.3	331.2	6.54	TAS	8.1	0.93	m_e	mb	4.9
RUE	63.03	P	01:06:31.530	-0.0	331.2	6.54	TAS	39.0	1.16	m_e	mb	5.4
SCHI	62.00	P	01:06:25.208	-0.1	331.2	6.54	TAS	219.7	1.55	m_e	mb	6.2
STU	64.87	P	01:06:43.946		331.2	6.54	TAS	96.7	1.49	m_e	mb	5.8
TANN	64.46	P	01:06:40.964	-0.1	331.2	6.54	TAS	16.9	0.99	m_e	mb	5.2
TNS	63.37	P	01:06:34.039	-0.3	331.2	6.54	TAS	30.5	0.84	m_e	mb	5.5
UBR	66.12	P	01:06:52.075		331.2	6.54	TAS	129.9	1.73	m_e	mb	5.9
WET	65.71	P	01:06:49.165	-0.0	331.2	6.54	TAS	16.0	0.91	m_e	mb	5.2

Event 21130003 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/30	03:46:02.03			38.0030	142.0540				33.0			25		78.88	84.60	m i ke	BGR
21130009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	21130009
Ms	4.5		BGR	21130009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	83.24		P	03:58:23.699	-0.1	37.0		5.23		TAS		18.9	1.03	m_e	mb	5.3
ASSE	80.64		P	03:58:10.216	-0.4	37.0		5.23		TAS		15.8	1.04	m_e	mb	5.0
BFO	84.60		P	03:58:30.870		37.0		5.23		TAS		40.3	0.96	m_e	mb	5.6
BRG	80.38		P	03:58:08.897	-0.0	37.0		5.23		TAS		21.0	1.01	m_e	mb	5.0
BSEG	79.32		P	03:58:03.596	0.4	37.0		5.23		TAS		33.2	1.00	m_e	mb	5.3
BUG	82.43		P	03:58:19.683	-0.1	37.0		5.23		TAS		13.2	0.74	m_e	mb	5.2
CLL	80.41		P	03:58:08.776	-0.2	37.0		5.23		TAS		37.7	0.98	m_e	mb	5.4
CLZ	80.98		P	03:58:12.617	0.3	37.0		5.23		TAS		38.6	1.08	m_e	mb	5.3
FLT1	80.27		P	03:58:08.036	-0.0	37.0		5.23		TAS		34.8	0.96	m_e	mb	5.3
FUR	83.58		P	03:58:26.035		37.0		5.23		TAS		42.7	0.84	m_e	mb	5.7
GEC2	82.06		P	03:58:17.732		37.0		5.23		TAS		13.7	0.94	m_e	mb	5.1

GOR1	79.72	P	03:58:05.936	-0.4	37.0	5.23	TAS	46.7	1.19	m_e	mb	5.3
GRA1	82.39	P	03:58:20.027	-0.2	37.0	5.23	TAS	45.5	1.04	m_e	mb	5.5
GRA1	82.39	L	04:39:38.086				T__	228.4	18.30	a_e	Ms	4.6
GTTG	81.37	P	03:58:14.338	-0.0	37.0	5.23	TAS	32.1	1.04	m_e	mb	5.3
IBBN	81.55	P	03:58:15.093	0.1	37.0	5.23	TAS	35.0	0.88	m_e	mb	5.5
KAST	82.22	P	03:58:18.880	-0.3	37.0	5.23	TAS	17.2	1.04	m_e	mb	5.1
MOX	81.47	P	03:58:14.519	-0.0	37.0	5.23	TAS	22.1	1.29	m_e	mb	5.1
MOX	81.47	L	04:39:09.124				T__	177.7	21.60	a_e	Ms	4.4
NEUB	80.98	P	03:58:12.110	-0.1	37.0	5.23	TAS	42.4	1.01	m_e	mb	5.4
PLN	81.39	P	03:58:14.223	0.5	37.0	5.23	TAS	7.4	1.43	m_e	mb	4.5
SCHI	78.88	P	03:58:00.837	0.0	37.0	5.23	TAS	97.5	1.35	m_e	mb	5.7
STU	83.91	P	03:58:27.428		37.0	5.23	TAS	97.0	1.06	m_e	mb	6.0
TANN	81.33	P	03:58:13.946	0.2	37.0	5.23	TAS	21.4	1.53	m_e	mb	5.0
TNS	83.01	P	03:58:22.709	-0.0	37.0	5.23	TAS	12.4	1.03	m_e	mb	5.1
WET	82.16	P	03:58:18.478	0.2	37.0	5.23	TAS	23.1	1.11	m_e	mb	5.2
WLF	84.30	P	03:58:29.369	-0.1	37.0	5.23	TAS	16.7	1.13	m_e	mb	5.2

Event 21130004 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2022/11/30	15:17:59.71			26.7410	52.4400				33.0			28		37.17	42.11	m i ke	BGR
21130010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	21130010
Ms	5.2		BGR	21130010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	41.79		P	15:25:46.134	-0.4	110.6		8.36		TAS		145.9	1.72	m_e	mb	5.4
ASSE	40.21		P	15:25:32.302	-0.1	110.6		8.36		TAS		177.6	1.47	m_e	mb	5.5
BFO	40.37		P	15:25:33.609	1.2	110.6		8.36		TAS		20.9	0.69	m_e	mb	4.9
BRG	37.83		P	15:25:12.263	0.1	110.6		8.36		TAS		45.5	1.02	m_e	mb	5.2
BSEG	41.13		P	15:25:39.144	0.5	110.6		8.36		TAS		160.5	1.42	m_e	mb	5.5
BUG	41.95		P	15:25:47.332	0.3	110.6		8.36		TAS		335.7	1.60	m_e	mb	5.8
CLL	38.55		P	15:25:18.457	-0.2	110.6		8.36		TAS		146.8	1.50	m_e	mb	5.4
CLZ	40.27		P	15:25:33.482	0.0	110.6		8.36		TAS		94.1	0.79	m_e	mb	5.5
FLT1	39.97		P	15:25:30.124	0.4	110.6		8.36		TAS		243.4	1.19	m_e	mb	5.7
FUR	38.44		P	15:25:18.457		110.6		8.36		TAS		431.5	1.75	m_e	mb	5.9
GEC2	37.17		P	15:25:07.579	-0.2	110.6		8.36		TAS		75.9	1.49	m_e	mb	5.2
GOR1	40.20		P	15:25:32.085	0.1	110.6		8.36		TAS		306.7	1.36	m_e	mb	5.8
GRA1	38.99		P	15:25:22.921	0.2	110.6		8.36		TAS		300.8	1.60	m_e	mb	5.7
GRA1	38.99		L	15:45:10.538						T__		2648.8	19.80	a_e	Ms	5.1
GTTG	40.40		P	15:25:34.135	-0.2	110.6		8.36		TAS		188.2	1.60	m_e	mb	5.5
IBBN	41.94		P	15:25:47.006	-0.2	110.6		8.36		TAS		312.9	1.43	m_e	mb	5.8
KAST	41.19		P	15:25:41.342	-0.5	110.6		8.36		TAS		239.2	1.55	m_e	mb	5.7
MOX	39.10		P	15:25:23.045	-0.7	110.6		8.36		TAS		62.6	1.55	m_e	mb	5.0

MOX	39.10	L	15:44:37.954				T__	3855.4	19.90	a_e	Ms	5.2
NEUB	39.22	P	15:25:24.134	-0.4	110.6	8.36	TAS	141.9	1.49	m_e	mb	5.4
PLN	38.72	P	15:25:19.654	0.0	110.6	8.36	TAS	18.3	1.57	m_e	mb	4.5
RGN	39.82	P	15:25:28.164	0.7	110.6	8.36	TAS	199.9	1.03	m_e	mb	5.7
RUE	38.62	P	15:25:18.797	-0.2	110.6	8.36	TAS	112.3	0.70	m_e	mb	5.6
SCHI	39.51	P	15:25:26.312	0.1	110.6	8.36	TAS	198.6	0.94	m_e	mb	5.7
STU	39.95	P	15:25:29.906	0.6	110.6	8.36	TAS	301.0	1.81	m_e	mb	5.6
TANN	38.51	P	15:25:18.144	-0.2	110.6	8.36	TAS	100.6	1.91	m_e	mb	5.1
TNS	40.85	P	15:25:38.273	0.3	110.6	8.36	TAS	266.8	1.82	m_e	mb	5.7
UBR	39.04	P	15:25:23.807		110.6	8.36	TAS	104.9	0.88	m_e	mb	5.5
WET	37.78	P	15:25:12.250	-0.6	110.6	8.36	TAS	100.6	1.58	m_e	mb	5.3
WLF	42.11	P	15:25:48.421	-0.3	110.6	8.36	TAS	47.7	0.81	m_e	mb	5.3