

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

(produced by SZO/BGR - HANNOVER)

November 2019 UPDATED 22.July 2021

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

Event 91101001 Greece-Albania border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/01	05:25:44.20	2.42	0.85	40.4600	20.7600	45.6	31.1	141	10.0			13	341	9.26	13.81	m i ke	EMSC
OrigID 91101033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	11.86		Pn	05:28:31.973	-1.2					T__					m_e
BRG	11.45		Pn	05:28:28.659	-0.4					T__					m_e
CLL	12.11		Pn	05:28:38.180	0.3					T__					m_e
FUR	10.26		Pn	05:28:12.390	0.0					T__					m_e
GEC2	9.77		Pn	05:28:06.678	0.3					T__					m_e
GRA1	11.42		Pn	05:28:28.575	0.3					T__					m_e
MOX	12.02		Pn	05:28:37.508	1.0					T__					m_e
RJOB	9.26		Pn	05:27:58.252	-0.8					T__					m_e
TANN	11.53		Pn	05:28:30.316	0.3					T__					m_e
TNS	13.03		Pn	05:28:48.977	-0.6					T__					m_e
UBR	10.52		Pn	05:28:15.068	-0.2					T__					m_e
WET	10.33		Pn	05:28:12.624	-1.1					T__					m_e
WLF	13.81		Pn	05:29:01.385	2.1					T__					m_e

Event 91102001 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/02	14:11:33.50	2.46	0.48	44.3200	17.6100	36.7	22.2	135	10.0			13	338	4.79	8.58	m i ke	EMSC
OrigID 91102033																	

Magnitude	Err	Nsta	Author	OrigID													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
BFO	7.57		Pn	14:13:23.961	-0.8					T__				m_e			
FUR	5.84		Pn	14:13:01.608	0.1					T__				m_e			
GEC2	5.27		Pn	14:12:53.286	0.1					T__				m_e			
GRA1	6.92		Pn	14:13:14.952	-1.0					T__				m_e			
MANZ	6.80		Pn	14:13:13.792	-0.1					T__				m_e			
MOX	7.52		Pn	14:13:23.797	0.2					T__				m_e			
PLN	7.19		Pn	14:13:19.456	0.4					T__				m_e			
RJOB	4.79		Pn	14:12:47.826	0.5					T__				m_e			
ROTZ	6.58		Pn	14:13:10.897	-0.2					T__				m_e			
TNS	8.58		Pn	14:13:39.170	0.8					T__				m_e			
UBBA	8.29		Pn	14:13:34.356	0.1					T__				m_e			
UBR	6.21		Pn	14:13:06.808	0.4					T__				m_e			
WET	5.82		Pn	14:13:00.406	-0.4					T__				m_e			

Event 91104005 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2019/11/04	18:32:40.77			-21.3680	-176.4110				33.0			17		147.07	151.69	m i ke	BGR
91104011																	

Magnitude	Err	Nsta	Author	OrigID													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
ASSE	148.81		PKPbc	18:52:25.111	0.1	14.8		2.46		TAS				a_e			
BRG	149.45		PKPbc	18:52:26.661	0.2	14.8		2.46		TAS				a_e			
BSEG	147.08		PKPbc	18:52:20.611	-0.2	14.8		2.46		TAS				a_e			
CLL	149.22		PKPbc	18:52:25.911	0.1	14.8		2.46		TAS				a_e			
CLZ	149.13		PKPbc	18:52:26.111	-0.1	14.8		2.46		TAS				a_e			
FLT1	148.53		PKPbc	18:52:24.061	0.3	14.8		2.46		TAS				a_e			
GEC2	151.42		PKPbc	18:52:31.011		14.8		2.46		TAS				a_e			
GTTG	149.47		PKPbc	18:52:26.761	-0.1	14.8		2.46		TAS				a_e			
HLG	147.07		PKPbc	18:52:20.811	-0.2	14.8		2.46		TAS				a_e			
KAST	149.98		PKPbc	18:52:27.911	0.0	14.8		2.46		TAS				a_e			
MANZ	150.66		PKPbc	18:52:29.561		14.8		2.46		TAS				m_e			
MOX	150.11		PKPbc	18:52:28.161	0.1	14.8		2.46		TAS				a_e			
NEUB	149.55		PKPbc	18:52:26.911	0.1	14.8		2.46		TAS				a_e			
PLN	150.17		PKPbc	18:52:28.361	-0.1	14.8		2.46		TAS				a_e			
RETH	148.37		PKPbc	18:52:24.061	-0.2	14.8		2.46		TAS				a_e			
TANN	150.18		PKPbc	18:52:28.585	-0.5	14.8		2.46		TAS				m_e			
WLF	151.69		PKPbc	18:52:32.361		14.8		2.46		TAS				a_e			

Event 91104006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/04	22:43:37.46			-18.3280	-174.5130				33.0				27	145.11	150.06	m i ke	BGR
OrigID 91104012																	

Magnitude	Err	Nsta	Author	OrigID
Ms 6.8			BGR	91104012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.03		PKPbc	23:03:12.958	0.3	10.4		2.75		TAS					a_e
BFO	149.99		PKPbc	23:03:23.958	-0.5	10.4		2.75		TAS					a_e
BRG	146.84		PKPbc	23:03:15.508	0.3	10.4		2.75		TAS					m_e
BUG	146.93		PKPbc	23:03:15.858	-0.2	10.4		2.75		TAS					a_e
CLL	146.56		PKPbc	23:03:14.408	0.3	10.4		2.75		TAS					a_e
CLZ	146.34		PKPbc	23:03:14.308	0.3	10.4		2.75		TAS					a_e
FLT1	145.77		PKPbc	23:03:11.608	-0.2	10.4		2.75		TAS					a_e
GEC2	148.84		PKPbc	23:03:21.008	0.1	10.4		2.75		TAS					a_e
GOR1	145.11		PKPbc	23:03:09.908	-0.7	10.4		2.75		TAS					a_e
GRA1	148.37		PKPbc	23:03:19.948	0.3	10.4		2.75		TAS					m_e
GRA1	148.37		L	00:09:06.826						T__		22066.8	21.60		a_e Ms 6.9
GTTG	146.67		PKPbc	23:03:15.208	-0.1	10.4		2.75		TAS					a_e
IBBN	146.05		PKPbc	23:03:13.208	-0.8	10.4		2.75		TAS					a_e
KAST	147.12		PKPbc	23:03:16.558	0.1	10.4		2.75		TAS					a_e
MANZ	147.97		PKPbc	23:03:18.958	0.4	10.4		2.75		TAS					a_e
MOX	147.39		PKPbc	23:03:17.158	0.3	10.4		2.75		TAS					a_e
MOX	147.39		L	00:08:49.132						T__		14530.4	21.00		a_e Ms 6.7
NEUB	146.83		PKPbc	23:03:15.408	0.1	10.4		2.75		TAS					a_e
PLN	147.47		PKPbc	23:03:17.458	0.4	10.4		2.75		TAS					a_e
RETH	145.53		PKPbc	23:03:11.408	-0.5	10.4		2.75		TAS					a_e
RJOB	150.06		PKPbc	23:03:23.858		10.4		2.75		TAS					a_e
ROTZ	148.17		PKPbc	23:03:19.508	0.5	10.4		2.75		TAS					a_e
STU	149.49		PKPbc	23:03:22.808	-0.2	10.4		2.75		TAS					a_e
TANN	147.50		PKPbc	23:03:17.658	0.4	10.4		2.75		TAS					a_e
TNS	148.09		PKPbc	23:03:19.358	0.5	10.4		2.75		TAS					a_e
UBBA	147.38		PKPbc	23:03:17.258	0.3	10.4		2.75		TAS					a_e
WET	148.68		PKPbc	23:03:20.858	0.0	10.4		2.75		TAS					a_e
WLF	148.74		PKPbc	23:03:21.508	0.3	10.4		2.75		TAS					a_e

Event 91105013 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/05	20:52:22.60			36.5400	70.0900				211.0				17	42.02	46.17	m i ke	EMSC
OrigID 91105045																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 91105019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	42.02		P	20:59:54.208	-0.1	84.3		7.80		TAS		25.2	0.86	m_e mb	5.0
BSEG	44.13		P	21:00:10.868	-0.2	84.3		7.80		TAS		21.2	0.85	m_e mb	4.9
BUG	46.17		P	21:00:26.500	0.2	84.3		7.80		TAS		41.6	1.14	m_e mb	5.4
CLL	42.60		P	20:59:58.046	0.0	84.3		7.80		TAS		14.3	0.92	m_e mb	4.7
CLZ	44.20		P	21:00:11.395	-0.1	84.3		7.80		TAS		58.1	1.33	m_e mb	5.1
FLT1	43.64		P	21:00:06.160	0.2	84.3		7.80		TAS		52.8	0.85	m_e mb	5.3
GEC2	42.31		P	20:59:56.100		84.3		7.80		TAS		7.5	1.05	m_e mb	4.3
GOR1	43.57		P	21:00:06.334	0.1	84.3		7.80		TAS		43.0	1.15	m_e mb	5.1
GTTG	44.48		P	21:00:13.576	-0.7	84.3		7.80		TAS		43.5	0.98	m_e mb	5.2
IBBN	45.77		P	21:00:23.521	0.1	84.3		7.80		TAS		41.7	0.89	m_e mb	5.5
MOX	43.51		P	21:00:05.636	-0.1	84.3		7.80		TAS		20.1	1.16	m_e mb	4.7
NEUB	43.37		P	21:00:04.939	-0.1	84.3		7.80		TAS		36.7	0.89	m_e mb	5.1
RETH	44.76		P	21:00:15.320	-0.7	84.3		7.80		TAS		25.7	1.25	m_e mb	5.0
ROTZ	43.20		P	21:00:03.281		84.3		7.80		TAS		6.3	1.21	m_e mb	4.2
TANN	42.99		P	21:00:01.798	0.3	84.3		7.80		TAS		12.8	1.09	m_e mb	4.6
TNS	45.57		P	21:00:21.657		84.3		7.80		TAS		23.9	1.39	m_e mb	5.0
UBBA	44.52		P	21:00:13.591	0.1	84.3		7.80		TAS		6.9	1.05	m_e mb	4.5

Event 91106001 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/06	06:06:04.31			48.1500	151.5000				33.0			19		73.12	78.73	m i ke	BGR
OrigID 91106007																	

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 91106007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	78.73		P	06:18:03.612		26.0		5.71		TAS		15.0	0.89	m_e mb	5.0
BRG	74.84		P	06:17:41.806	-0.3	26.0		5.71		TAS		5.8	0.61	m_e mb	4.8
BSEG	73.12		P	06:17:31.982	-0.1	26.0		5.71		TAS		6.7	0.84	m_e mb	4.8
CLL	74.73		P	06:17:40.994	0.2	26.0		5.71		TAS		31.5	0.63	m_e mb	5.5
CLZ	74.99		P	06:17:43.248	0.5	26.0		5.71		TAS		22.4	0.71	m_e mb	5.3
FLT1	74.32		P	06:17:38.516	-0.4	26.0		5.71		TAS		23.6	0.82	m_e mb	5.3
GEC2	76.71		P	06:17:52.546	-0.6	26.0		5.71		TAS		53.4	1.94	m_e mb	5.3
GRA1	76.69		P	06:17:53.072	0.4	26.0		5.71		TAS		32.4	0.72	m_e mb	5.5
IBBN	75.25		P	06:17:44.329	0.2	26.0		5.71		TAS		22.0	0.73	m_e mb	5.3
KAST	76.09		P	06:17:49.196	-0.2	26.0		5.71		TAS		17.9	0.88	m_e mb	5.2
MANZ	76.17		P	06:17:49.467	0.2	26.0		5.71		TAS		2.1	0.85	m_e mb	4.3
MOX	75.72		P	06:17:46.988	0.1	26.0		5.71		TAS		16.2	1.04	m_e mb	5.1
PLN	75.71		P	06:17:47.033	0.0	26.0		5.71		TAS		2.7	0.84	m_e mb	4.4

./bul1911.txt Tue Sep 28 10:33:18 2021 5

RETH	74.45	P	06:17:39.688	0.1	26.0	5.71	TAS	10.3	0.67	m_e	mb	5.0
ROTZ	76.34	P	06:17:50.683	0.5	26.0	5.71	TAS	2.3	0.77	m_e	mb	4.4
TANN	75.69	P	06:17:46.808	0.0	26.0	5.71	TAS	4.7	0.80	m_e	mb	4.7
TNS	76.97	P	06:17:54.108	-0.1	26.0	5.71	TAS	21.6	0.68	m_e	mb	5.4
UBBA	76.02	P	06:17:48.385	-0.0	26.0	5.71	TAS	8.7	0.60	m_e	mb	5.1
WET	76.70	P	06:17:52.981	-0.1	26.0	5.71	TAS	14.3	0.85	m_e	mb	5.1

Event 91106002 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/06	07:40:43.40			27.2800	55.0800				10.0			18		38.97	43.14	m i ke	EMSC
91106034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	91106008
Ms	4.7		BGR	91106008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	41.33	P		07:48:28.364	-0.2	107.3		8.45		TAS		55.6	0.97	m_e	mb	5.3
BRG	38.97	P		07:48:08.675	-0.2	107.3		8.45		TAS		33.8	1.07	a_e	mb	4.9
BSEG	42.16	P		07:48:35.479	0.3	107.3		8.45		TAS		30.6	1.13	m_e	mb	4.9
BUG	43.14	P		07:48:43.875	-0.1	107.3		8.45		TAS		61.4	0.97	a_e	mb	5.3
CLL	39.68	P		07:48:14.612	-0.2	107.3		8.45		TAS		48.8	1.08	m_e	mb	5.1
CLZ	41.41	P		07:48:29.691	-0.2	107.3		8.45		TAS		79.0	0.87	m_e	mb	5.5
FLT1	41.07	P		07:48:26.325	0.2	107.3		8.45		TAS		152.4	1.06	m_e	mb	5.7
FUR	39.76	P		07:48:14.875		107.3		8.45		TAS		81.7	1.11	a_e	mb	5.3
GOR1	41.26	P		07:48:28.246	0.1	107.3		8.45		TAS		166.2	1.05	m_e	mb	5.7
GRA1	40.23	P		07:48:19.275		107.3		8.45		TAS		41.2	0.81	a_e	mb	5.1
GRA1	40.23	L		08:07:55.280						T__		915.7	19.70	a_e	Ms	4.6
IBBN	43.09	P		07:48:43.453	-0.3	107.3		8.45		TAS		98.2	1.08	m_e	mb	5.5
KAST	42.38	P		07:48:37.586	1.1	107.3		8.45		TAS		64.7	1.21	m_e	mb	5.2
MOX	40.28	P		07:48:21.033	-0.5	107.3		8.45		TAS		17.8	1.17	m_e	mb	4.6
MOX	40.28	L		08:07:23.713						T__		1511.6	20.20	a_e	Ms	4.8
RETH	42.29	P		07:48:36.852	-0.2	107.3		8.45		TAS		25.3	0.94	m_e	mb	4.9
ROTZ	39.64	P		07:48:14.204		107.3		8.45		TAS		7.4	0.88	m_e	mb	4.3
TNS	42.10	P		07:48:34.825	0.3	107.3		8.45		TAS		43.8	1.08	a_e	mb	5.1
UBR	40.40	P		07:48:20.124		107.3		8.45		TAS		77.3	0.93	m_e	mb	5.3
WET	39.03	P		07:48:08.625		107.3		8.45		TAS		13.9	0.83	a_e	mb	4.6

Event 91106006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/06	23:37:27.72			-20.7560	-173.3510				33.0			26		146.61	153.00	m i ke	BGR

91106012

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	91106012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.53		PKPbc	23:57:10.460	0.4	8.8		2.48		TAS				m_e	
BRG	149.40		PKPbc	23:57:12.923	0.0	8.8		2.48		TAS				m_e	
BSEG	146.76		PKPbc	23:57:06.044	0.3	8.8		2.48		TAS				m_e	
BUG	149.37		PKPbc	23:57:12.583	0.1	8.8		2.48		TAS				m_e	
CLL	149.10		PKPbc	23:57:12.074	0.2	8.8		2.48		TAS				m_e	
CLZ	148.84		PKPbc	23:57:11.734	0.1	8.8		2.48		TAS				m_e	
FLT1	148.28		PKPbc	23:57:09.526	-0.1	8.8		2.48		TAS				m_e	
FUR	152.40		PKPbc	23:57:20.057		8.8		2.48		TAS				m_e	
GEC2	151.41		PKPbc	23:57:17.594	-0.5	8.8		2.48		TAS				m_e	
GOR1	147.62		PKPbc	23:57:08.592	-0.3	8.8		2.48		TAS				m_e	
GRA1	150.90		PKPbc	23:57:16.830	-0.1	8.8		2.48		TAS				m_e	
GRA1	150.90		L	01:05:48.904						T__		104.4	21.80	a_e Ms	4.6
GTTG	149.16		PKPbc	23:57:12.244	-0.3	8.8		2.48		TAS				m_e	
HLG	146.61		PKPbc	23:57:05.704	-0.2	8.8		2.48		TAS				m_e	
IBBN	148.50		PKPbc	23:57:10.715	-0.4	8.8		2.48		TAS				m_e	
KAST	149.58		PKPbc	23:57:13.518	0.1	8.8		2.48		TAS				m_e	
MANZ	150.51		PKPbc	23:57:15.924	0.4	8.8		2.48		TAS				m_e	
MOX	149.92		PKPbc	23:57:14.112	0.3	8.8		2.48		TAS				m_e	
MOX	149.92		L	01:04:58.811						T__		90.3	19.50	a_e Ms	4.6
PLN	150.01		PKPbc	23:57:14.537	0.1	8.8		2.48		TAS				m_e	
RETH	148.01		PKPbc	23:57:09.016	-0.2	8.8		2.48		TAS				m_e	
RJOB	152.63		PKPbc	23:57:20.142		8.8		2.48		TAS				m_e	
ROTZ	150.72		PKPbc	23:57:16.150	0.4	8.8		2.48		TAS				m_e	
RUE	147.86		PKPbc	23:57:08.762	0.0	8.8		2.48		TAS				m_e	
TANN	150.05		PKPbc	23:57:14.367	0.5	8.8		2.48		TAS				m_e	
UBBA	149.88		PKPbc	23:57:13.942	0.1	8.8		2.48		TAS				m_e	
UBR	153.00		PKPbc	23:57:21.161		8.8		2.48		TAS				m_e	
WLF	151.15		PKPbc	23:57:17.849	-0.2	8.8		2.48		TAS				m_e	

Event 91107005 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/07	17:35:21.70			41.7800	13.6100				14.0					5.98	8.97	m i ke	EMSC
OrigID 91107037																	

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

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GEC2	7.07		Pn	17:37:05.081						T__				m_e	
MOX	8.97		Pn	17:37:32.380						T__				m_e	

RJOB	5.98	Pn	17:36:50.438	T__	m_e
ROTZ	8.05	Pn	17:37:19.912	T__	m_e
TANN	8.67	Pn	17:37:28.662	T__	m_e
UBR	6.40	Pn	17:36:58.594	T__	m_e
WET	7.38	Pn	17:37:08.705	T__	m_e

Event 91107001 Northwestern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/07	22:47:04.80			37.7200	47.6000				10.0			24		26.85	31.86	m i ke	EMSC
	91107033																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	91107007
Ms	5.6		BGR	91107007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	29.48	P		22:53:08.807	-0.4	104.5		9.00		TAS		556.0	1.97	m_e mb	6.0
BRG	27.18	P		22:52:48.064	0.6	104.5		9.00		TAS				m_e	
BSEG	30.19	P		22:53:15.549	-0.3	104.5		9.00		TAS		202.6	1.85	m_e mb	5.6
BUG	31.41	P		22:53:26.093	-0.4	104.5		9.00		TAS		227.4	1.31	m_e mb	5.9
CLL	27.87	P		22:52:54.287	0.0	104.5		9.00		TAS		216.1	1.45	m_e mb	5.8
CLZ	29.60	P		22:53:10.190	-0.6	104.5		9.00		TAS		204.4	1.28	m_e mb	5.8
FLT1	29.20	P		22:53:06.042	0.6	104.5		9.00		TAS		366.4	1.47	m_e mb	6.0
FUR	28.32	P		22:52:57.571	0.2	104.5		9.00		TAS		221.9	1.37	m_e mb	5.8
GEC2	26.85	P		22:52:44.780	0.2	104.5		9.00		TAS		364.9	1.51	m_e mb	5.9
GOR1	29.34	P		22:53:07.943	-0.3	104.5		9.00		TAS		261.0	1.41	m_e mb	5.9
GRA1	28.61	L		23:06:10.811						T__		18252.0	18.80	a_e Ms	5.7
GTTG	29.77	P		22:53:11.481	0.1	104.5		9.00		TAS		212.1	1.60	m_e mb	5.7
IBBN	31.27	P		22:53:25.221	0.2	104.5		9.00		TAS		373.4	1.56	m_e mb	6.1
KAST	30.65	P		22:53:19.698	1.3	104.5		9.00		TAS		439.9	2.08	m_e mb	6.0
MOX	28.56	P		22:52:59.899	-0.5	104.5		9.00		TAS		41.2	1.27	m_e mb	5.1
MOX	28.56	L		23:07:10.991						T__		10786.4	19.20	a_e Ms	5.5
RETH	30.41	P		22:53:17.686	-0.3	104.5		9.00		TAS		460.7	1.70	m_e mb	6.0
RGN	28.73	P		22:53:02.325	0.4	104.5		9.00		TAS		428.2	1.27	m_e mb	6.1
RJOB	27.25	P		22:52:48.237	-0.2	104.5		9.00		TAS		373.7	1.83	m_e mb	5.8
ROTZ	28.00	P		22:52:54.806	0.6	104.5		9.00		TAS		81.6	2.03	m_e mb	5.2
RUE	27.76	P		22:52:52.948		104.5		9.00		TAS		810.8	1.70	m_e mb	6.3
STU	29.78	P		22:53:09.844		104.5		9.00		TAS		316.4	1.29	m_e mb	6.0
TNS	30.47	P		22:53:17.278		104.5		9.00		TAS		230.8	1.67	m_e mb	5.7
UBR	29.04	P		22:53:03.152		104.5		9.00		TAS		295.6	1.42	m_e mb	5.9
WET	27.44	P		22:52:49.805		104.5		9.00		TAS		253.0	1.34	m_e mb	5.8
WLF	31.86	P		22:53:30.154		104.5		9.00		TAS		129.5	1.26	m_e mb	5.7

Event 91108001 Adriatic Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/08	01:26:04.58	0.59	1.47	42.3120	17.5900	20.0	11.1	54	10.0				25 328	4.73	9.43	m i ke	BGR
91108007																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	91108007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.15		Pn	01:27:19.173	-1.4					T__				m_e	ML 3.9
BE1	7.18		Pn	01:27:48.660	0.2					T__				m_e	ML 4.8
BERGE	8.67		Pn	01:28:08.174	-0.7					T__				m_e	ML 4.4
DAVA	7.40		Sn	01:29:11.421	1.8					T__				m_e	
DAVA	7.40		Pn	01:27:52.814	1.4					T__				m_e	ML 4.7
ECH	9.43		Pn	01:28:19.395	0.2					T__				m_e	
EMING	8.33		Sn	01:29:28.409	-3.3					T__				m_e	
EMING	8.33		Pn	01:28:03.687	-0.5					T__				m_e	ML 4.6
FUR	7.35		Sn	01:29:06.233	-2.3					T__				m_e	ML 4.8
GEC2	7.08		Sn	01:29:02.553	0.6					T__				m_e	
GEC2	7.08		Pn	01:27:46.894	-0.1					T__				m_e	ML 4.2
KBA	5.64		Sn	01:28:27.952	0.1					T__				m_e	
KBA	5.64		Pn	01:27:27.306	-0.0					T__				m_e	ML 4.3
KW1	6.79		Sn	01:28:55.025	-0.2					T__				m_e	
KW1	6.79		Pn	01:27:43.752	0.6					T__				m_e	
MANZ	8.56		Pn	01:28:05.817	-1.6					T__				m_e	ML 4.3
METMA	8.54		Sn	01:29:33.884	-2.7					T__				m_e	
METMA	8.54		Pn	01:28:07.450	0.4					T__				m_e	ML 4.3
MOA	6.02		Sn	01:28:40.140	3.4					T__				m_e	
MOA	6.02		Pn	01:27:32.077	-0.3					T__				m_e	ML 4.3
NORI	8.06		Sn	01:29:21.471	-3.8					T__				m_e	
NORI	8.06		Pn	01:28:00.162	-0.3					T__				m_e	ML 4.6
OBKA	4.73		Pn	01:27:15.176	0.5					T__				m_e	ML 4.7
PART	6.93		Sn	01:28:59.829	1.4					T__				m_e	
PART	6.93		Pn	01:27:46.416	1.5					T__				m_e	ML 4.5
PLONS	7.53		Sn	01:29:14.239	1.6					T__				m_e	
PLONS	7.53		Pn	01:27:54.131	1.0					T__				m_e	ML 4.3
RJOB	6.40		Sn	01:28:45.137	-0.7					T__				m_e	
RJOB	6.40		Pn	01:27:38.665	1.0					T__				m_e	ML 4.3
ROTZ	8.34		Pn	01:28:03.577	-0.8					T__				m_e	ML 4.3
SLE	8.44		Pn	01:28:05.751	0.1					T__				m_e	ML 5.1
UBR	7.54		Pn	01:27:52.506	-0.9					T__				m_e	ML 4.7
WALHA	8.09		Pn	01:28:00.909	-0.0					T__				m_e	ML 4.8
WET	7.58		Sn	01:29:13.911	-0.1					T__				m_e	
WET	7.58		Pn	01:27:52.945	-1.0					T__				m_e	ML 4.2
WTTA	6.51		Sn	01:28:50.006	1.4					T__				m_e	
WTTA	6.51		Pn	01:27:39.726	0.5					T__				m_e	ML 4.8
ZUGS	6.93		Sn	01:29:01.542	3.0					T__				m_e	

ZUGS 6.93 Pn 01:27:45.384 0.3 T__ m_e ML 4.1

Event 91108003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/08	10:44:48.74			-21.8530	-178.5880				629.2	6.5		14		146.14	153.30	m i ke	BGR
OrigID 91108009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.94		PKPbc	11:03:27.326	-0.2	18.8		2.42		TAS					m_e
BFO	153.01		PKPab	11:03:51.053		21.9		3.96		TAS					m_e
BRG	149.42		PKPbc	11:03:28.394	-0.1	18.8		2.42		TAS					m_e
BRG	149.42		PKPab	11:03:36.777	0.5	21.9		3.96		TAS					m_e
BSEG	147.26		PKPbc	11:03:23.184	-0.2	18.8		2.42		TAS					m_e
BSEG	147.26		pPKPbc	11:05:45.249						T__					m_e
BUG	150.12		PKPbc	11:03:30.191	0.2	18.8		2.42		TAS					m_e
CLL	149.24		PKPbc	11:03:27.732	0.2	18.8		2.42		TAS					m_e
CLL	149.24		PKPab	11:03:35.765	-0.2	21.9		3.96		TAS					m_e
CLZ	149.27		PKPbc	11:03:28.201	0.1	18.8		2.42		TAS					m_e
FLT1	148.64		PKPbc	11:03:26.361	0.0	18.8		2.42		TAS					m_e
FLT1	148.64		pPKPbc	11:05:49.841						T__					m_e
FUR	152.58		PKPbc	11:03:35.515		18.8		2.42		TAS					m_e
FUR	152.58		PKPab	11:03:48.933		21.9		3.96		TAS					m_e
GEC2	151.34		PKPbc	11:03:32.707	0.0	18.8		2.42		TAS					m_e
GOR1	148.00		pPKPbc	11:05:48.581						T__					m_e
GRA1	151.15		PKPab	11:03:43.262		21.9		3.96		TAS					m_e
GTTG	149.62		PKPbc	11:03:28.950	0.4	18.8		2.42		TAS					m_e
HLG	147.35		PKPbc	11:03:23.823	0.0	18.8		2.42		TAS					m_e
HLG	147.35		pPKPbc	11:05:45.852						T__					m_e
IBBN	149.21		PKPbc	11:03:27.966	-0.1	18.8		2.42		TAS					m_e
IBBN	149.21		PKPab	11:03:36.484	-0.5	21.9		3.96		TAS					m_e
KAST	150.20		PKPbc	11:03:30.234	0.1	18.8		2.42		TAS					m_e
MANZ	150.68		PKPbc	11:03:31.428	0.0	18.8		2.42		TAS					m_e
MOX	150.17		PKPbc	11:03:30.424	0.3	18.8		2.42		TAS					m_e
MOX	150.17		PKPab	11:03:40.153		21.9		3.96		TAS					m_e
NEUB	149.62		PKPbc	11:03:28.651	0.1	18.8		2.42		TAS					m_e
NEUB	149.62		PKPab	11:03:36.868	-0.4	21.9		3.96		TAS					m_e
PLN	150.20		PKPbc	11:03:30.616	-0.1	18.8		2.42		TAS					m_e
RETH	148.57		PKPbc	11:03:26.447	0.1	18.8		2.42		TAS					m_e
RETH	148.57		pPKPbc	11:05:50.399						T__					m_e
RGN	146.14		PKPbc	11:03:20.192	-0.4	18.8		2.42		TAS					m_e
RGN	146.14		pPKPbc	11:05:41.856						T__					m_e
RJOB	152.60		PKPab	11:03:48.867		21.9		3.96		TAS					m_e
ROTZ	150.86		PKPbc	11:03:31.706	0.2	18.8		2.42		TAS					m_e

./bul1911.txt Tue Sep 28 10:33:18 2021 10

ROTZ	150.86	PKPab	11:03:43.326		21.9	3.96	TAS										m_e
RUE	147.98	PKPbc	11:03:24.827	-0.1	18.8	2.42	TAS										m_e
RUE	147.98	pPKPbc	11:05:47.869				T__										m_e
STU	152.43	PKPbc	11:03:35.412		18.8	2.42	TAS										m_e
STU	152.43	PKPab	11:03:49.587		21.9	3.96	TAS										m_e
TANN	150.20	PKPbc	11:03:30.405	0.5	18.8	2.42	TAS										m_e
TANN	150.20	PKPab	11:03:40.990		21.9	3.96	TAS										m_e
TNS	151.15	PKPbc	11:03:32.752	-0.2	18.8	2.42	TAS										m_e
TNS	151.15	PKPab	11:03:45.139		21.9	3.96	TAS										m_e
UBBA	150.32	PKPbc	11:03:30.552	-0.1	18.8	2.42	TAS										m_e
UBR	153.30	PKPbc	11:03:36.746		18.8	2.42	TAS										m_e
WET	151.28	PKPbc	11:03:32.938	0.3	18.8	2.42	TAS										m_e
WET	151.28	PKPab	11:03:43.916		21.9	3.96	TAS										m_e

Event 91108004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/08	11:21:52.27			-21.7350	-178.8320				600.0				10	148.41	150.69	m i ke	BGR
91108010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	149.24		PKPbc	11:41:37.388		19.5		2.47		TAS					m_e
CLL	149.07		PKPbc	11:41:36.852		19.5		2.47		TAS					m_e
CLZ	149.11		PKPbc	11:41:37.353	-0.1	19.5		2.47		TAS					m_e
FLT1	148.48		PKPbc	11:41:35.265	-0.1	19.5		2.47		TAS					m_e
KAST	150.05		PKPbc	11:41:39.344		19.5		2.47		TAS					m_e
MANZ	150.51		PKPbc	11:41:40.525		19.5		2.47		TAS					m_e
PLN	150.03		PKPbc	11:41:39.368		19.5		2.47		TAS					m_e
RETH	148.41		PKPbc	11:41:35.429	-0.1	19.5		2.47		TAS					m_e
ROTZ	150.69		PKPbc	11:41:40.847		19.5		2.47		TAS					m_e
TANN	150.03		PKPbc	11:41:39.189		19.5		2.47		TAS					m_e

Event 91108005 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/08	15:52:44.45			-16.7260	-171.9080				45.4	0.1			10	145.28	148.83	m i ke	BGR
91108011																	

Magnitude Err Nsta Author OrigID
Ms 4.8 BGR 91108011

./bul1911.txt

Tue Sep 28 10:33:18 2021

11

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.48		PKPbc	16:12:26.519		5.5		2.92		TAS				m_e	
CLL	145.28		PKPbc	16:12:17.134		5.5		2.92		TAS				m_e	
GEC2	147.64		PKPbc	16:12:24.158		5.5		2.92		TAS				m_e	
GRA1	147.02		PKPbc	16:12:23.096		5.5		2.92		TAS				m_e	
GRA1	147.02		L	17:20:38.801						T__		171.8	18.60	a_e Ms	4.9
MANZ	146.66		PKPbc	16:12:21.371		5.5		2.92		TAS				m_e	
MANZ	146.66		pPKPbc	16:12:34.982						T__				m_e	
MOX	146.05		PKPbc	16:12:19.436		5.5		2.92		TAS				m_e	
MOX	146.05		L	17:19:14.120						T__		129.2	18.50	a_e Ms	4.7
RJOB	148.83		PKPbc	16:12:27.740		5.5		2.92		TAS				m_e	
ROTZ	146.88		PKPbc	16:12:21.703		5.5		2.92		TAS				m_e	
ROTZ	146.88		pPKPbc	16:12:35.355						T__				m_e	
TANN	146.21		PKPbc	16:12:20.044		5.5		2.92		TAS				m_e	
TNS	146.59		PKPbc	16:12:21.207		5.5		2.92		TAS				m_e	

Event 91109001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/09	11:24:29.17			-20.7440	-177.2310				255.3	5.9		28		146.37	152.48	m i ke	BGR
91109007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.08		PKPbc	11:43:46.012	0.9	16.1		2.50		TAS				m_e	
BFO	152.12		PKPbc	11:43:55.886		16.1		2.50		TAS				m_e	
BFO	152.12		PKPab	11:44:05.505		12.4		4.19		TAS				m_e	
BRG	148.67		PKPbc	11:43:46.863	-0.9	16.1		2.50		TAS				m_e	
BSEG	146.37		PKPbc	11:43:40.087	0.5	16.1		2.50		TAS				m_e	
BUG	149.16		PKPbc	11:43:47.487	-0.3	16.1		2.50		TAS				m_e	
CLL	148.46		PKPbc	11:43:45.898	-0.1	16.1		2.50		TAS				m_e	
CLZ	148.40		PKPbc	11:43:47.147	0.5	16.1		2.50		TAS				m_e	
FLT1	147.79		PKPbc	11:43:44.877	0.6	16.1		2.50		TAS				m_e	
FUR	151.80		PKPbc	11:43:55.443		16.1		2.50		TAS				m_e	
FUR	151.80		PKPab	11:44:04.728		12.4		4.19		TAS				m_e	
GEC2	150.62		PKPbc	11:43:51.403	-0.1	16.1		2.50		TAS				m_e	
GEC2	150.62		PKPab	11:44:00.432		12.4		4.19		TAS				m_e	
GEC2	150.62		pPKPbc	11:44:57.125						T__				m_e	
GEC2	150.62		pPKPab	11:45:01.608						T__				m_e	
GOR1	147.14		PKPbc	11:43:43.562	-0.8	16.1		2.50		TAS				m_e	
GRA1	150.34		PKPab	11:43:58.287		12.4		4.19		TAS				m_e	
GTTG	148.75		PKPbc	11:43:47.657	0.8	16.1		2.50		TAS				m_e	
HLG	146.39		PKPbc	11:43:41.903	-1.1	16.1		2.50		TAS				m_e	
KAST	149.28		PKPbc	11:43:48.736	-0.1	16.1		2.50		TAS				m_e	
MANZ	149.89		PKPbc	11:43:49.927	1.0	16.1		2.50		TAS				m_e	

./bul1911.txt

Tue Sep 28 10:33:18 2021

12

MOX	149.35	PKPbc	11:43:48.338	-0.2	16.1	2.50	TAS	m_e
NEUB	148.80	PKPbc	11:43:47.998	0.2	16.1	2.50	TAS	m_e
PLN	149.41	PKPbc	11:43:48.679	-0.3	16.1	2.50	TAS	m_e
RETH	147.66	PKPbc	11:43:44.683	0.2	16.1	2.50	TAS	m_e
RJOB	151.88	PKPbc	11:43:54.921		16.1	2.50	TAS	m_e
RJOB	151.88	PKPab	11:44:04.932		12.4	4.19	TAS	m_e
ROTZ	150.08	PKPbc	11:43:50.154	-0.5	16.1	2.50	TAS	m_e
RUE	147.19	PKPbc	11:43:42.413	0.2	16.1	2.50	TAS	m_e
STU	151.57	PKPbc	11:43:54.354	-0.9	16.1	2.50	TAS	m_e
STU	151.57	PKPab	11:44:03.434		12.4	4.19	TAS	m_e
TANN	149.41	PKPbc	11:43:48.565	-0.4	16.1	2.50	TAS	m_e
TNS	150.24	PKPbc	11:43:50.552	-0.2	16.1	2.50	TAS	m_e
UBR	152.48	PKPbc	11:43:55.546		16.1	2.50	TAS	m_e
WET	150.53	PKPbc	11:43:52.604	0.7	16.1	2.50	TAS	m_e
WET	150.53	PKPab	11:43:59.330		12.4	4.19	TAS	m_e
WLF	151.02	PKPbc	11:43:52.935	0.3	16.1	2.50	TAS	m_e
WLF	151.02	PKPab	11:44:00.721		12.4	4.19	TAS	m_e

Event 91110001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/10	10:46:09.45			40.7100	144.7600				33.0			27		77.92	83.32	m i ke	BGR
91110007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	91110007
Ms	5.1		BGR	91110007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.31		P	10:58:12.294	-0.1	33.9		5.36		TAS		222.0	2.53	m_e	mb 5.7
BFO	83.32		P	10:58:33.358		33.9		5.36		TAS		106.6	1.91	m_e	mb 5.8
BRG	79.17		P	10:58:11.112	0.0	33.9		5.36		TAS		235.9	2.65	m_e	mb 5.8
BSEG	77.92		P	10:58:05.019	-0.2	33.9		5.36		TAS		22.8	1.00	m_e	mb 5.3
BUG	81.03		P	10:58:21.414	0.4	33.9		5.36		TAS		48.6	1.34	m_e	mb 5.4
CLL	79.17		P	10:58:10.927	0.2	33.9		5.36		TAS		29.4	0.99	m_e	mb 5.3
CLZ	79.65		P	10:58:14.530	0.4	33.9		5.36		TAS		45.1	1.21	m_e	mb 5.3
FLT1	78.95		P	10:58:09.930	-0.5	33.9		5.36		TAS		39.7	1.11	m_e	mb 5.3
FUR	82.39		P	10:58:28.890		33.9		5.36		TAS		47.2	0.98	m_e	mb 5.6
GOR1	78.38		P	10:58:07.493	-0.4	33.9		5.36		TAS		72.4	1.36	m_e	mb 5.6
GRA1	81.14		P	10:58:22.707	0.1	33.9		5.36		TAS		62.4	1.17	m_e	mb 5.5
GRA1	81.14		L	11:37:50.447						T__		757.7	19.90	a_e	Ms 5.0
GTTG	80.04		P	10:58:16.577	0.1	33.9		5.36		TAS		26.2	1.03	m_e	mb 5.1
IBBN	80.13		P	10:58:16.688	-0.4	33.9		5.36		TAS		40.9	1.09	m_e	mb 5.3
KAST	80.85		P	10:58:20.491	-0.0	33.9		5.36		TAS		30.4	1.37	m_e	mb 5.2
MANZ	80.58		P	10:58:19.162	0.5	33.9		5.36		TAS		5.2	1.19	m_e	mb 4.4
MOX	80.21		P	10:58:16.762	-0.2	33.9		5.36		TAS		28.0	1.31	m_e	mb 5.0

MOX	80.21	L	11:36:59.343							T__	900.9	20.40	a_e	Ms	5.1
NEUB	79.70	P	10:58:14.325	0.1	33.9	5.36				TAS	30.9	1.00	m_e	mb	5.2
PLN	80.15	P	10:58:16.762	0.1	33.9	5.36				TAS	9.3	1.38	m_e	mb	4.5
RETH	79.24	P	10:58:12.072	0.4	33.9	5.36				TAS	57.2	1.36	m_e	mb	5.4
RJOB	82.17	P	10:58:27.967	-0.4	33.9	5.36				TAS	22.7	0.91	m_e	mb	5.3
ROTZ	80.72	P	10:58:20.344	0.3	33.9	5.36				TAS	12.8	1.46	m_e	mb	4.8
RUE	77.93	P	10:58:04.724	0.2	33.9	5.36				TAS	65.2	1.24	m_e	mb	5.6
STU	82.64	P	10:58:29.629		33.9	5.36				TAS	56.8	0.88	m_e	mb	5.8
TANN	80.09	P	10:58:16.614	-0.0	33.9	5.36				TAS	64.9	2.13	m_e	mb	5.2
TNS	81.67	P	10:58:24.922	-0.5	33.9	5.36				TAS	26.7	1.19	m_e	mb	5.2
UBBA	80.64	P	10:58:19.236	-0.0	33.9	5.36				TAS	52.8	1.84	m_e	mb	5.3
WET	80.98	P	10:58:21.554	-0.0	33.9	5.36				TAS	33.7	1.18	m_e	mb	5.2

Event 91111001 France

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/11	10:52:44.29	0.46	1.60	44.4870	4.3930	17.8	7.8	131	10.0			20	314	3.66	7.86	m i ke	BGR
91111007																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.6		BGR	91111007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	3.66		Sg	10:54:37.773	-2.8					T__				m_e	
BALST	3.66		Pn	10:53:38.815	-0.8					T__				m_e	ML 5.6
BFO	4.71		Sn	10:54:43.496	-0.5					T__				m_e	
BFO	4.71		Sg	10:55:15.087	1.4					T__				m_e	
BFO	4.71		Pn	10:53:51.771	-1.9					T__				m_e	ML 5.3
BFO	4.71		Pg	10:54:13.239	0.3					T__				m_e	
BUG	7.22		Pn	10:54:29.577	2.1					T__				m_e	ML 5.6
FUR	6.02		Sn	10:55:15.325	0.8					T__				m_e	ML 5.7
GEC2	7.74		Sn	10:55:55.694	0.8					T__				m_e	
GEC2	7.74		Pn	10:54:34.347	-0.2					T__				m_e	ML 5.4
GRA1	6.99		Sg	10:56:27.528	1.7					T__				m_e	
GRA1	6.99		Pn	10:54:23.175	-1.2					T__				m_e	ML 5.8
KAST	7.24		Pn	10:54:27.669	-0.1					T__				m_e	ML 5.5
MANZ	7.60		Sn	10:55:50.817	-0.7					T__				m_e	
MANZ	7.60		Pn	10:54:31.804	-0.8					T__				m_e	ML 5.4
MOX	7.86		Sn	10:55:59.391	1.9					T__				m_e	
MOX	7.86		Sg	10:56:56.610	3.2					T__				m_e	
MOX	7.86		Pn	10:54:34.141	-2.0					T__				m_e	ML 5.5
PLONS	4.33		Pn	10:53:49.780	1.2					T__				m_e	ML 5.1
RJOB	6.68		Sn	10:55:33.209	3.1					T__				m_e	
RJOB	6.68		Pn	10:54:21.426	1.1					T__				m_e	
ROTZ	7.50		Sn	10:55:49.117	-0.1					T__				m_e	
ROTZ	7.50		Pn	10:54:30.115	-1.2					T__				m_e	ML 5.6

SLE	4.34	Sg	10:54:59.403	-2.7	T__	m_e		
SLE	4.34	Pn	10:53:47.321	-1.4	T__	m_e ML	6.0	
STU	5.41	Sg	10:55:32.811	-3.1	T__	m_e		
STU	5.41	Pn	10:54:01.208	-1.9	T__	m_e ML	5.6	
SULZ	4.00	Sg	10:54:49.194	-1.9	T__	m_e		
SULZ	4.00	Pn	10:53:43.021	-1.1	T__	m_e ML	6.3	
SULZ	4.00	Pg	10:54:00.803	1.3	T__	m_e		
TNS	6.36	Sg	10:56:07.181	1.1	T__	m_e		
TNS	6.36	Pn	10:54:15.612	-0.4	T__	m_e ML	5.7	
TNS	6.36	Pg	10:54:44.438	0.4	T__	m_e		
UBBA	7.38	Pn	10:54:28.313	-1.3	T__	m_e ML	5.3	
UBBA	7.38	Pg	10:55:05.034	2.0	T__	m_e		
UBR	5.10	Sn	10:54:54.643	1.5	T__	m_e		
UBR	5.10	Sg	10:55:24.974	-1.1	T__	m_e		
UBR	5.10	Pn	10:53:59.392	0.5	T__	m_e ML	5.4	
WET	7.45	Sn	10:55:48.521	0.5	T__	m_e		
WET	7.45	Pn	10:54:30.428	-0.2	T__	m_e ML	5.4	
WLF	5.32	Pn	10:54:04.657	2.8	T__	m_e ML	5.6	

Event 91111003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/11	23:03:38.05			-18.7720	-173.6290				33.0			16		144.77	149.42	m i ke	BGR
91111009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.4		BGR	91111009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.54		PKPbc	23:23:15.988	0.6	8.9		2.69		TAS				m_e	
BRG	147.41		PKPbc	23:23:19.105	-0.6	8.9		2.69		TAS				m_e	
BSEG	144.77		PKPbc	23:23:10.918	0.8	8.9		2.69		TAS				m_e	
BUG	147.40		PKPbc	23:23:17.724	-0.2	8.9		2.69		TAS				m_e	
CLL	147.11		PKPbc	23:23:18.003	-0.2	8.9		2.69		TAS				m_e	
CLZ	146.85		PKPbc	23:23:17.885	0.1	8.9		2.69		TAS				m_e	
GEC2	149.42		PKPbc	23:23:23.427		8.9		2.69		TAS				m_e	
GOR1	145.63		PKPbc	23:23:12.872	-0.1	8.9		2.69		TAS				m_e	
GRA1	148.91		L	00:29:10.624						T__		7857.3	21.90	a_e Ms	6.5
KAST	147.60		PKPbc	23:23:18.827	0.5	8.9		2.69		TAS				m_e	
MANZ	148.52		PKPbc	23:23:21.201		8.9		2.69		TAS				m_e	
MOX	147.93		PKPbc	23:23:19.965		8.9		2.69		TAS				m_e	
MOX	147.93		L	00:33:25.420						T__		6544.9	21.50	a_e Ms	6.4
PLN	148.02		PKPbc	23:23:20.851		8.9		2.69		TAS				m_e	
RETH	146.02		PKPbc	23:23:15.599	0.9	8.9		2.69		TAS				m_e	
TANN	148.06		PKPbc	23:23:19.984		8.9		2.69		TAS				m_e	
WET	149.25		PKPbc	23:23:22.970		8.9		2.69		TAS				m_e	

WLF 149.18 PKPbc 23:23:24.153 8.9 2.69 TAS m_e

Event 91114004 Northern Molucca Sea

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2019/11/14 16:17:42.40 1.6200 126.4200 52.0 23 102.31 106.43 m i ke EMSC
91114036

Magnitude Err Nsta Author OrigID
Ms 7.2 BGR 91114010

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for BRG, BSEG, BUG, CLL, CLZ, FLT1, GEC2, GOR1, GRA1, IBBN, KAST, MANZ, MOX, NEUB, PLN, RETH, RJOB, ROTZ, RUE, STU, TANN, TNS, UBBA, WET.

Event 91116001 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
2019/11/16 02:52:07.100 36.6680 140.4320 33.0 14 80.96 83.14 m i ke BGR

91116007

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 91116007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	80.96		P	03:04:17.957		38.8		5.19		TAS		10.6	0.91	m_e mb	4.9
BUG	83.14		P	03:04:28.973	0.2	38.8		5.19		TAS		24.9	0.92	m_e mb	5.4
CLL	81.02		P	03:04:18.014	-0.0	38.8		5.19		TAS		23.0	0.97	m_e mb	5.2
CLZ	81.65		P	03:04:21.682	0.0	38.8		5.19		TAS		25.3	0.97	m_e mb	5.3
GEC2	82.60		P	03:04:26.149		38.8		5.19		TAS		12.0	0.91	m_e mb	5.1
GRA1	82.99		P	03:04:28.667		38.8		5.19		TAS		41.8	0.98	m_e mb	5.6
GTTG	82.04		P	03:04:23.446	0.3	38.8		5.19		TAS		24.1	0.96	m_e mb	5.3
KAST	82.90		P	03:04:27.782	-0.3	38.8		5.19		TAS		15.2	0.87	m_e mb	5.2
MANZ	82.40		P	03:04:25.388		38.8		5.19		TAS		2.8	0.88	m_e mb	4.4
MOX	82.09		P	03:04:23.636		38.8		5.19		TAS		16.6	1.08	m_e mb	5.1
PLN	81.99		P	03:04:23.387		38.8		5.19		TAS		16.7	1.73	m_e mb	4.9
ROTZ	82.53		P	03:04:26.352		38.8		5.19		TAS		10.8	1.40	m_e mb	4.9
TANN	81.92		P	03:04:22.701		38.8		5.19		TAS		29.6	1.75	m_e mb	5.1
WET	82.73		P	03:04:27.053		38.8		5.19		TAS		8.3	0.99	m_e mb	4.9

Event 91117001 Morocco

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2019/11/17 08:38:51.26 30.4060 -3.8060 33.0 25 20.16 25.64 m i ke BGR
 91117007

Magnitude Err Nsta Author OrigID
 mb 5.1 BGR 91117007
 Ms 3.9 BGR 91117007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	24.19		P	08:44:06.413	-0.5	216.0		10.47		TAS		103.4	1.73	m_e mb	5.1
BFO	20.16		P	08:43:23.035		216.0		10.47		TAS		74.3	1.68	m_e mb	4.7
BRG	24.36		P	08:44:07.668	-0.2	216.0		10.47		TAS		100.4	1.02	m_e mb	5.3
BSEG	25.64		P	08:44:18.769	1.6	216.0		10.47		TAS		112.6	1.86	m_e mb	5.2
BUG	22.57		P	08:43:47.745	-0.2	216.0		10.47		TAS		116.2	1.19	m_e mb	5.3
CLL	24.34		P	08:44:07.195	-0.4	216.0		10.47		TAS		74.6	1.05	m_e mb	5.2
CLZ	23.85		P	08:44:02.191	-0.4	216.0		10.47		TAS		89.7	1.51	m_e mb	5.1
FLT1	24.55		P	08:44:10.243	0.5	216.0		10.47		TAS		22.9	1.15	m_e mb	4.8
GEC2	22.73		P	08:43:50.153		216.0		10.47		TAS		179.1	1.41	m_e mb	5.4
GOR1	25.13		P	08:44:15.482	0.8	216.0		10.47		TAS		157.4	1.40	m_e mb	5.5
GRA1	22.36		P	08:43:46.956	2.1	216.0		10.47		TAS		261.2	1.39	m_e mb	5.5
GRA1	22.36		L	08:54:52.053						T_		385.6	19.70	a_e Ms	3.8
GTTG	23.46		P	08:43:57.985	-0.0	216.0		10.47		TAS		49.3	1.07	m_e mb	5.0
IBBN	23.48		P	08:43:58.182	-0.0	216.0		10.47		TAS		99.0	1.23	m_e mb	5.2

KAST	22.68	P	08:43:48.885	-0.6	216.0	10.47	TAS	153.2	1.46	m_e	mb	5.3
MANZ	22.94	P	08:43:52.738	0.0	216.0	10.47	TAS	11.0	1.07	m_e	mb	4.3
MOX	23.28	P	08:43:56.230	-0.1	216.0	10.47	TAS	97.2	1.86	m_e	mb	5.0
MOX	23.28	L	08:54:32.628				T__	396.1	19.10	a_e	Ms	3.9
NEUB	23.79	P	08:44:01.875	-0.2	216.0	10.47	TAS	219.8	1.02	m_e	mb	5.6
PLN	23.36	P	08:43:56.846	-0.3	216.0	10.47	TAS	19.2	1.04	m_e	mb	4.6
RJOB	21.50	P	08:43:39.142		216.0	10.47	TAS	29.8	0.96	m_e	mb	4.7
ROTZ	22.80	P	08:43:51.523	-0.4	216.0	10.47	TAS	10.2	1.10	m_e	mb	4.3
STU	20.84	P	08:43:30.684		216.0	10.47	TAS	86.5	1.08	m_e	mb	5.0
TANN	23.42	P	08:43:57.885	-0.1	216.0	10.47	TAS	105.5	1.00	m_e	mb	5.3
TNS	21.83	P	08:43:40.631	-0.1	216.0	10.47	TAS	61.3	1.04	m_e	mb	5.0
WET	22.60	P	08:43:49.025		216.0	10.47	TAS	75.0	1.25	m_e	mb	5.1
WLF	20.66	P	08:43:27.219	-0.9	216.0	10.47	TAS	108.7	1.10	m_e	mb	5.1

Event 91117002 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/17	23:05:46.50			10.0900	93.4580				33.0			20		75.63	79.82	m i ke	BGR
91117008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	91117008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	75.63		P	23:17:28.101	0.5	89.3		5.60		TAS		11.7	0.82	m_e	mb	5.0
BSEG	77.88		P	23:17:40.895	0.0	89.3		5.60		TAS		12.1	0.96	m_e	mb	5.0
BUG	79.82		P	23:17:51.534	-0.0	89.3		5.60		TAS		7.9	0.71	m_e	mb	4.8
CLL	76.23		P	23:17:31.150	-0.1	89.3		5.60		TAS		6.9	0.72	m_e	mb	4.9
CLZ	77.87		P	23:17:40.836	-0.1	89.3		5.60		TAS		18.9	0.78	m_e	mb	5.3
FLT1	77.34		P	23:17:36.823	-0.0	89.3		5.60		TAS		9.3	0.58	m_e	mb	5.1
FUR	77.35		P	23:17:37.552		89.3		5.60		TAS		18.1	0.63	m_e	mb	5.4
GEC2	75.74		P	23:17:28.886		89.3		5.60		TAS		21.4	0.89	m_e	mb	5.3
GTTG	78.13		P	23:17:42.199	-0.2	89.3		5.60		TAS		20.6	0.79	m_e	mb	5.3
IBBN	79.47		P	23:17:49.826	0.1	89.3		5.60		TAS		17.3	0.57	m_e	mb	5.3
KAST	79.12		P	23:17:47.539	-0.0	89.3		5.60		TAS		4.3	0.80	m_e	mb	4.5
MANZ	76.79		P	23:17:35.107		89.3		5.60		TAS		8.8	1.57	m_e	mb	4.7
NEUB	77.00		P	23:17:35.565	0.5	89.3		5.60		TAS		15.4	0.99	m_e	mb	5.1
PLN	76.76		P	23:17:34.338	-0.2	89.3		5.60		TAS		2.7	0.87	m_e	mb	4.4
RETH	78.48		P	23:17:43.965	-0.8	89.3		5.60		TAS		7.0	0.79	m_e	mb	4.8
ROTZ	76.72		P	23:17:34.726		89.3		5.60		TAS		3.7	1.08	m_e	mb	4.4
RUE	75.78		P	23:17:28.920	0.2	89.3		5.60		TAS		47.4	0.61	m_e	mb	5.8
TNS	79.14		P	23:17:47.780		89.3		5.60		TAS		7.9	0.84	m_e	mb	4.8
UBR	78.15		P	23:17:41.984		89.3		5.60		TAS		13.7	0.70	m_e	mb	5.2
WET	76.28		P	23:17:31.868		89.3		5.60		TAS		10.0	0.79	m_e	mb	5.0

Event 91119002 Nepal-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/19	13:30:53.20			28.2550	81.6650				14.9	2.0		17		54.81	58.95	m i ke	BGR
OrigID 91119008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	91119008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	54.81		P	13:40:18.787	0.0	84.4		7.12		TAS		30.9	0.82	m_e mb	5.4
BRG	54.81		pP	13:40:22.693		84.4		7.12		TAS				m_e	
BSEG	56.87		P	13:40:33.357	-0.1	84.4		7.12		TAS		15.8	0.78	m_e mb	5.1
BUG	58.95		P	13:40:48.090	-0.1	84.4		7.12		TAS		13.6	0.58	m_e mb	5.2
CLL	55.38		P	13:40:22.196	-0.4	84.4		7.12		TAS		9.1	0.77	m_e mb	4.9
CLL	55.38		pP	13:40:26.227		84.4		7.12		TAS				m_e	
CLZ	56.98		P	13:40:34.366	0.1	84.4		7.12		TAS		44.0	0.93	m_e mb	5.5
CLZ	56.98		pP	13:40:38.732		84.4		7.12		TAS				m_e	
FLT1	56.41		P	13:40:29.333	0.3	84.4		7.12		TAS		18.8	0.71	m_e mb	5.2
GEC2	55.10		P	13:40:20.868		84.4		7.12		TAS		11.3	0.72	m_e mb	5.0
GOR1	56.33		P	13:40:28.871	-0.6	84.4		7.12		TAS			0.51	m_e	
KAST	58.26		P	13:40:43.658	0.7	84.4		7.12		TAS		7.4	0.79	m_e mb	4.8
MANZ	56.04		P	13:40:28.299		84.4		7.12		TAS		7.9	1.11	m_e mb	4.7
MOX	56.30		P	13:40:29.488		84.4		7.12		TAS		17.1	0.90	m_e mb	5.1
MOX	56.30		pP	13:40:33.220		84.4		7.12		TAS				m_e	
PLN	55.97		P	13:40:27.126		84.4		7.12		TAS			0.74	m_e	
PLN	55.97		pP	13:40:31.178		84.4		7.12		TAS				m_e	
RETH	57.53		P	13:40:37.646	0.2	84.4		7.12		TAS			1.03	m_e	
ROTZ	56.00		P	13:40:27.884		84.4		7.12		TAS		8.0	0.98	m_e mb	4.7
TANN	55.78		P	13:40:25.614		84.4		7.12		TAS		9.3	0.69	m_e mb	4.9
TANN	55.78		pP	13:40:29.664		84.4		7.12		TAS				m_e	
TNS	58.36		P	13:40:43.743		84.4		7.12		TAS		18.9	0.98	m_e mb	5.1
TNS	58.36		pP	13:40:48.414		84.4		7.12		TAS				m_e	
UBR	57.61		P	13:40:38.376		84.4		7.12		TAS		15.1	0.66	m_e mb	5.2

Event 91120003 Off coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/20	04:27:09.36			13.9020	-92.9730				33.0			28		85.33	90.28	m i ke	BGR
OrigID 91120009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	91120009
MBB	6.7		BGR	91120009

Ms 6.3 BGR 91120009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	87.32		P	04:39:52.607	0.0	289.7		4.73		TAS		351.3	1.31	m_e	MBB 6.9
BFO	87.09		P	04:39:51.027	0.1	289.7		4.73		TAS		223.8	1.16	m_e	MBB 6.6
BRG	89.67		P	04:40:03.617	-0.1	289.7		4.73		TAS		142.3	1.08	m_e	MBB 6.6
BSEG	86.53		P	04:39:48.860	0.6	289.7		4.73		TAS		223.9	1.04	m_e	MBB 6.6
BUG	85.52		P	04:39:43.780	-0.0	289.7		4.73		TAS		518.7	1.24	m_e	MBB 6.8
CLL	88.96		P	04:40:00.080	0.1	289.7		4.73		TAS		100.1	1.08	m_e	MBB 6.7
CLZ	87.24		P	04:39:52.379	-0.3	289.7		4.73		TAS		322.0	1.33	m_e	MBB 6.8
FLT1	87.58		P	04:39:53.255	0.2	289.7		4.73		TAS		998.9	2.22	m_e	MBB 6.9
GEC2	90.28		P	04:40:06.554	-0.4	289.7		4.73		TAS		141.0	1.14	m_e	MBB 6.6
GOR1	87.40		P	04:39:52.950	-0.4	289.7		4.73		TAS		552.2	1.76	m_e	MBB 6.9
GTTG	87.09		P	04:39:51.524	-0.2	289.7		4.73		TAS		341.2	1.06	m_e	MBB 6.7
IBBN	85.56		P	04:39:44.009	0.1	289.7		4.73		TAS		422.8	1.00	m_e	MBB 6.9
KAST	86.28		P	04:39:47.605	-0.1	289.7		4.73		TAS		307.8	1.07	m_e	MBB 6.8
MANZ	88.90		P	04:40:00.219	-0.1	289.7		4.73		TAS		22.1	1.17	m_e	MBB 6.1
MOX	88.37		P	04:39:57.456	0.1	289.7		4.73		TAS		246.8	1.68	m_e	MBB 6.9
MOX	88.37		L	05:19:26.098						T__		13515.6	21.80	a_e	Ms 6.3
NEUB	88.28		P	04:39:57.194	0.7	289.7		4.73		TAS		703.8	1.96	m_e	MBB 7.0
PLN	88.75		P	04:39:59.282	0.1	289.7		4.73		TAS		61.8	1.45	m_e	MBB 6.3
RETH	86.36		P	04:39:48.575	-0.2	289.7		4.73		TAS		457.6	1.12	m_e	MBB 6.9
RJOB	90.11		P	04:40:05.812		289.7		4.73		TAS		110.3	1.18	m_e	MBB 6.8
ROTZ	89.03		P	04:40:00.727	0.1	289.7		4.73		TAS		220.2	2.44	m_e	MBB 6.2
RUE	88.99		P	04:39:59.990	-0.5	289.7		4.73		TAS		107.6	1.08	m_e	MBB 6.7
STU	87.50		P	04:39:53.312	0.0	289.7		4.73		TAS		508.7	0.97	m_e	MBB 7.0
TANN	88.96		P	04:40:00.447	0.2	289.7		4.73		TAS		100.0	1.04	m_e	MBB 6.7
TNS	86.59		P	04:39:49.242	0.1	289.7		4.73		TAS		507.2	0.97	m_e	MBB 6.8
UBBA	87.35		P	04:39:53.349	-0.1	289.7		4.73		TAS		544.1	1.84	m_e	MBB 6.7
UBR	88.43		P	04:39:57.856		289.7		4.73		TAS		247.6	1.25	m_e	MBB 6.9
WET	89.66		P	04:40:03.758	-0.1	289.7		4.73		TAS		156.9	1.15	m_e	MBB 6.7
WLF	85.33		P	04:39:43.107	0.0	289.7		4.73		TAS		492.9	1.16	m_e	MBB 6.9

Event 91120004 Thailand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/20	21:04:09.02			19.6930	100.2050				33.0			24		72.49	77.80	m i ke	BGR
OrigID 91120010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	91120010
Ms	5.5		BGR	91120010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	74.42		P	21:15:42.381	-0.1	77.7		5.81		TAS		41.2	1.36	m_e	mb 5.3
BRG	72.66		P	21:15:32.394	-0.0	77.7		5.81		TAS		50.0	1.19	m_e	mb 5.5

./bul1911.txt

Tue Sep 28 10:33:18 2021

20

BSEG	74.26	P	21:15:42.255	0.0	77.7	5.81	TAS	40.3	1.09	m_e	mb	5.4
BUG	76.64	P	21:15:55.436	-0.2	77.7	5.81	TAS	40.2	1.23	m_e	mb	5.4
CLL	73.16	P	21:15:35.184	-0.4	77.7	5.81	TAS	38.2	0.98	m_e	mb	5.5
CLZ	74.67	P	21:15:44.098	-0.1	77.7	5.81	TAS	49.4	1.02	m_e	mb	5.5
FLT1	74.04	P	21:15:40.042	0.0	77.7	5.81	TAS	63.7	1.60	m_e	mb	5.4
FUR	74.89	P	21:15:45.836		77.7	5.81	TAS	65.5	1.27	m_e	mb	5.5
GEC2	73.18	P	21:15:35.660		77.7	5.81	TAS	65.5	1.24	m_e	mb	5.6
GOR1	73.87	P	21:15:39.719	0.0	77.7	5.81	TAS	110.2	1.36	m_e	mb	5.7
GTTG	74.98	P	21:15:45.817	-0.2	77.7	5.81	TAS	32.0	0.81	m_e	mb	5.4
IBBN	76.13	P	21:15:52.429	-0.3	77.7	5.81	TAS	267.3	2.16	m_e	mb	6.0
KAST	76.00	P	21:15:51.656	-0.1	77.7	5.81	TAS	10.3	1.00	m_e	mb	4.9
MANZ	73.98	P	21:15:40.541	0.2	77.7	5.81	TAS	17.7	1.44	m_e	mb	4.9
MOX	74.15	P	21:15:41.138	-0.2	77.7	5.81	TAS	31.6	1.02	m_e	mb	5.3
MOX	74.15	L	21:52:51.074				T__	2468.5	19.20	a_e	Ms	5.5
NEUB	73.95	P	21:15:39.569	0.2	77.7	5.81	TAS	59.6	1.08	m_e	mb	5.5
PLN	73.84	P	21:15:39.345	0.4	77.7	5.81	TAS	11.1	1.02	m_e	mb	4.8
RETH	75.08	P	21:15:46.425	-0.1	77.7	5.81	TAS	84.6	1.67	m_e	mb	5.5
RUE	72.49	P	21:15:31.411	-0.4	77.7	5.81	TAS	154.3	1.18	m_e	mb	6.0
STU	76.10	P	21:15:52.200		77.7	5.81	TAS	213.7	1.06	m_e	mb	6.2
TANN	73.67	P	21:15:38.149	0.2	77.7	5.81	TAS	30.4	1.01	m_e	mb	5.3
UBBA	75.12	P	21:15:46.948	-0.0	77.7	5.81	TAS	54.6	1.33	m_e	mb	5.4
WET	73.65	P	21:15:38.298	0.4	77.7	5.81	TAS	45.7	1.09	m_e	mb	5.4
WLF	77.80	P	21:16:02.558	-0.3	77.7	5.81	TAS	138.8	1.48	m_e	mb	5.9

Event 91121001 Thailand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/20	23:50:50.45			19.5560	100.8890				33.0			27		73.00	78.33	m i ke	BGR
91121007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	91121007
Ms	6.0		BGR	91121007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	74.94		P	00:02:27.344	-0.1	77.3		5.77		TAS		553.5	2.55	m_e	mb	6.1
BRG	73.19		P	00:02:17.275	-0.2	77.3		5.77		TAS		82.3	1.07	m_e	mb	5.8
BSEG	74.77		P	00:02:26.614	0.1	77.3		5.77		TAS		75.9	1.28	m_e	mb	5.6
BUG	77.16		P	00:02:40.080	-0.1	77.3		5.77		TAS		180.9	1.68	m_e	mb	5.9
CLL	73.69		P	00:02:19.675	-0.1	77.3		5.77		TAS		70.5	1.10	m_e	mb	5.6
CLZ	75.19		P	00:02:29.146	-0.6	77.3		5.77		TAS		118.0	1.31	m_e	mb	5.8
FLT1	74.56		P	00:02:24.695	0.1	77.3		5.77		TAS		424.5	2.38	m_e	mb	6.0
FUR	75.44		P	00:02:30.469		77.3		5.77		TAS		610.7	2.20	m_e	mb	6.2
GEC2	73.72		P	00:02:20.562	-0.1	77.3		5.77		TAS		97.9	1.21	m_e	mb	5.7
GOR1	74.38		P	00:02:23.909	0.1	77.3		5.77		TAS		128.1	1.20	m_e	mb	5.8
GTTG	75.50		P	00:02:30.717	-0.3	77.3		5.77		TAS		96.8	1.07	m_e	mb	5.8

./bul1911.txt

Tue Sep 28 10:33:18 2021

21

IBBN	76.65	P	00:02:37.333	0.3	77.3	5.77	TAS	165.2	1.35	m_e	mb	6.0
KAST	76.52	P	00:02:36.330	0.5	77.3	5.77	TAS	392.4	2.47	m_e	mb	6.1
MANZ	74.51	P	00:02:25.407	0.3	77.3	5.77	TAS	112.0	2.30	m_e	mb	5.5
MOX	74.68	P	00:02:25.970	-0.2	77.3	5.77	TAS	81.2	1.21	m_e	mb	5.6
MOX	74.68	L	00:40:20.905				T__	8980.8	20.60	a_e	Ms	6.0
NEUB	74.47	P	00:02:24.685	-0.0	77.3	5.77	TAS	89.8	1.04	m_e	mb	5.7
PLN	74.38	P	00:02:24.039	0.4	77.3	5.77	TAS	20.2	1.05	m_e	mb	5.1
RJOB	74.53	P	00:02:24.970		77.3	5.77	TAS	76.8	1.10	m_e	mb	5.6
ROTZ	74.49	P	00:02:25.407	0.1	77.3	5.77	TAS	32.5	1.08	m_e	mb	5.3
RUE	73.00	P	00:02:16.269	-0.1	77.3	5.77	TAS	216.7	1.02	m_e	mb	6.2
STU	76.64	P	00:02:37.496	-0.5	77.3	5.77	TAS	383.5	1.12	m_e	mb	6.4
TANN	74.20	P	00:02:23.159	0.5	77.3	5.77	TAS	76.0	1.15	m_e	mb	5.6
TNS	76.75	P	00:02:37.744	0.1	77.3	5.77	TAS	54.7	1.07	m_e	mb	5.6
UBBA	75.64	P	00:02:32.070	-0.1	77.3	5.77	TAS	103.5	1.53	m_e	mb	5.7
UBR	76.32	P	00:02:34.921		77.3	5.77	TAS	102.7	1.27	m_e	mb	5.8
WET	74.19	P	00:02:23.443	0.1	77.3	5.77	TAS	105.0	1.17	m_e	mb	5.8
WLF	78.33	P	00:02:47.097	0.2	77.3	5.77	TAS	197.7	1.32	m_e	mb	6.1

Event 91122001 Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/22	09:05:19.87			32.3300	132.3600				33.0			17		81.00	85.40	m i ke	BGR
	91122007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	91122007
Ms	5.4		BGR	91122007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.40		P	09:17:53.090		46.8		5.18		TAS		46.1	1.13	m_e	mb	5.6
BRG	81.00		P	09:17:30.254	0.2	46.8		5.18		TAS		17.8	0.92	m_e	mb	5.1
CLL	81.15		P	09:17:31.195	0.1	46.8		5.18		TAS		46.8	0.95	m_e	mb	5.5
CLZ	82.00		P	09:17:36.277	0.1	46.8		5.18		TAS		35.4	0.99	m_e	mb	5.5
FUR	84.11		P	09:17:47.290		46.8		5.18		TAS		101.5	1.05	m_e	mb	6.0
GEC2	82.45		P	09:17:37.974		46.8		5.18		TAS		16.5	1.03	m_e	mb	5.1
MANZ	82.46		P	09:17:38.159		46.8		5.18		TAS		5.1	1.05	m_e	mb	4.6
MOX	82.25		P	09:17:36.673		46.8		5.18		TAS		18.6	1.03	m_e	mb	5.2
MOX	82.25		L	09:57:48.732						T__		1684.3	19.30	a_e	Ms	5.4
NEUB	81.80		P	09:17:34.886	0.7	46.8		5.18		TAS		54.5	0.94	m_e	mb	5.7
PLN	82.10		P	09:17:36.372		46.8		5.18		TAS		7.0	1.01	m_e	mb	4.7
RETH	81.83		P	09:17:34.614	-0.3	46.8		5.18		TAS		25.0	1.19	m_e	mb	5.2
RJOB	83.64		P	09:17:44.428		46.8		5.18		TAS		46.1	1.07	m_e	mb	5.6
ROTZ	82.56		P	09:17:38.737		46.8		5.18		TAS		9.5	1.15	m_e	mb	4.9
STU	84.68		P	09:17:49.701		46.8		5.18		TAS		99.5	0.84	m_e	mb	6.1
TANN	82.01		P	09:17:35.627		46.8		5.18		TAS		12.4	1.02	m_e	mb	5.0
UBR	85.01		P	09:17:50.799		46.8		5.18		TAS		23.8	1.08	m_e	mb	5.3

./bul1911.txt

Tue Sep 28 10:33:18 2021

22

WET 82.66 P 09:17:39.144 46.8 5.18 TAS 15.0 1.07 m_e mb 5.2

Event 91123001 Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2019/11/23 12:58:17.40 44.9660 146.2500 33.0 24 74.55 80.04 m i ke BGR
91123007

Magnitude Err Nsta Author OrigID
mb 5.5 BGR 91123007
Ms 5.8 BGR 91123007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
ASSE 76.00 P 13:09:59.931 0.1 30.8 5.58 TAS 47.7 1.05 m_e mb 5.6
BFO 80.04 P 13:10:21.901 30.8 5.58 TAS 15.2 0.76 m_e mb 5.0
BRG 75.99 P 13:09:59.476 -0.2 30.8 5.58 TAS 19.5 0.81 m_e mb 5.3
BSEG 74.55 P 13:09:51.724 0.1 30.8 5.58 TAS 40.6 0.89 m_e mb 5.5
BUG 77.64 P 13:10:08.770 0.1 30.8 5.58 TAS 51.1 1.00 m_e mb 5.6
CLL 75.94 P 13:09:59.080 -0.2 30.8 5.58 TAS 58.5 0.71 m_e mb 5.8
CLZ 76.34 P 13:10:02.205 -0.1 30.8 5.58 TAS 66.3 0.83 m_e mb 5.8
FLT1 75.64 P 13:09:57.476 0.5 30.8 5.58 TAS 65.5 0.84 m_e mb 5.8
FUR 79.21 P 13:10:17.982 30.8 5.58 TAS 42.1 0.85 m_e mb 5.5
GOR1 75.06 P 13:09:54.779 -0.2 30.8 5.58 TAS 162.4 1.40 m_e mb 5.9
GTTG 76.72 P 13:10:03.993 -0.5 30.8 5.58 TAS 47.6 0.88 m_e mb 5.6
IBBN 76.73 P 13:10:03.933 0.1 30.8 5.58 TAS 76.0 0.95 m_e mb 5.8
KAST 77.50 P 13:10:08.269 -0.3 30.8 5.58 TAS 66.3 1.35 m_e mb 5.6
MANZ 77.36 P 13:10:07.488 -0.5 30.8 5.58 TAS 4.4 0.74 m_e mb 4.7
MOX 76.97 P 13:10:05.098 0.0 30.8 5.58 TAS 20.8 0.86 m_e mb 5.3
MOX 76.97 L 13:17:22.503 T__ 4139.2 19.60 a_e Ms 5.8
NEUB 76.44 P 13:10:02.108 0.3 30.8 5.58 TAS 62.9 0.92 m_e mb 5.7
PLN 76.92 P 13:10:04.858 0.4 30.8 5.58 TAS 9.2 1.05 m_e mb 4.8
RETH 75.88 P 13:09:59.239 0.1 30.8 5.58 TAS 73.0 1.07 m_e mb 5.7
RJOB 79.04 P 13:10:17.164 30.8 5.58 TAS 13.5 0.64 m_e mb 5.1
ROTZ 77.52 P 13:10:08.706 0.2 30.8 5.58 TAS 12.2 1.33 m_e mb 4.9
RUE 74.69 P 13:09:52.419 -0.4 30.8 5.58 TAS 79.0 0.98 m_e mb 5.7
STU 79.38 P 13:10:18.449 30.8 5.58 TAS 63.2 0.76 m_e mb 5.7
UBBA 77.34 P 13:10:07.671 -0.1 30.8 5.58 TAS 15.8 0.85 m_e mb 5.2
WET 77.82 P 13:10:10.329 30.8 5.58 TAS 33.9 1.01 m_e mb 5.4

Event 91123002 Off east coast of North Island, New Zealand

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2019/11/23 16:34:45.40 -37.5500 177.2900 128.0 28 161.13 166.54 m i ke EMSC

91123034

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	91123008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	162.65		PKPab	16:55:17.597	-0.1	44.8		4.45		TAS				m_e	
BFO	166.54		PKPab	16:55:35.361	-0.5	44.8		4.45		TAS				m_e	
BRG	162.17		PKPab	16:55:16.239	0.2	44.8		4.45		TAS				m_e	
BSEG	161.31		PKPab	16:55:12.002	-0.3	44.8		4.45		TAS				m_e	
CLL	162.30		PKPab	16:55:16.076	0.2	44.8		4.45		TAS				m_e	
CLZ	162.99		PKPab	16:55:19.716	-0.3	44.8		4.45		TAS				m_e	
FLT1	162.28		PKPab	16:55:15.424	0.4	44.8		4.45		TAS				m_e	
FUR	165.27		PKPab	16:55:30.553		44.8		4.45		TAS				m_e	
GEC2	163.59		PKPab	16:55:22.411	0.3	44.8		4.45		TAS				m_e	
GOR1	161.73		PKPab	16:55:13.849	0.6	44.8		4.45		TAS				m_e	
GTTG	163.38		PKPab	16:55:20.911	-0.4	44.8		4.45		TAS				m_e	
IBBN	163.51		PKPab	16:55:21.400	-0.2	44.8		4.45		TAS				m_e	
KAST	164.23		PKPab	16:55:24.551	0.3	44.8		4.45		TAS				m_e	
MANZ	163.63		PKPab	16:55:22.735	-0.2	44.8		4.45		TAS				m_e	
MOX	163.39		PKPab	16:55:21.617	-0.0	44.8		4.45		TAS				m_e	
MOX	163.39		L	18:01:02.081						T__		124.2	19.90	a_e Ms	4.8
NEUB	162.92		PKPab	16:55:19.444	0.5	44.8		4.45		TAS				m_e	
PLN	163.26		PKPab	16:55:20.834	0.3	44.8		4.45		TAS				m_e	
RETH	162.63		PKPab	16:55:17.706	-0.8	44.8		4.45		TAS				m_e	
RJOB	164.74		PKPab	16:55:27.784		44.8		4.45		TAS				m_e	
ROTZ	163.74		PKPab	16:55:23.440	-0.8	44.8		4.45		TAS				m_e	
RUE	161.13		PKPab	16:55:11.621	-0.7	44.8		4.45		TAS				m_e	
STU	165.84		PKPab	16:55:32.482	-0.9	44.8		4.45		TAS				m_e	
TANN	163.17		PKPab	16:55:20.802	0.4	44.8		4.45		TAS				m_e	
TNS	165.02		PKPab	16:55:28.318	0.5	44.8		4.45		TAS				m_e	
UBBA	163.94		PKPab	16:55:23.844	0.5	44.8		4.45		TAS				m_e	
UBR	166.18		PKPab	16:55:33.623		44.8		4.45		TAS				m_e	
WET	163.82		PKPab	16:55:23.603	0.2	44.8		4.45		TAS				m_e	
WLF	166.31		PKPab	16:55:34.764	0.4	44.8		4.45		TAS				m_e	

Event	91124002	Andreanof Islands, Aleutian Islands, United States
Date	2019/11/24	00:54:05.64
Time		
Err		
RMS	51.5070	-177.7750
Latitude		
Longitude		
Smaj		
Smin		
Az	33.0	
Depth		
Err		
Ndef	29	
Nsta		
Gap		
mdist	74.71	80.96
Mdist		
Qual	m i ke	
Author	BGR	
OrigID	91124008	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	91124008
Ms	5.9		BGR	91124008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.49		S	01:15:34.629		7.1		10.65		TAS				m_e	
ASSE	76.49		P	01:05:50.671	0.3	5.7		5.51		TAS		80.8	1.08	m_e mb	5.8
BFO	80.41		P	01:06:12.004	0.0	5.7		5.51		TAS		53.8	1.01	m_e mb	5.4
BRG	77.51		P	01:05:56.338	0.1	5.7		5.51		TAS		76.6	0.99	m_e mb	5.8
BSEG	74.71		P	01:05:40.958	-0.0	5.7		5.51		TAS		48.2	0.93	m_e mb	5.5
BUG	77.34		S	01:15:43.410		7.1		10.65		TAS				m_e	
BUG	77.34		P	01:05:55.032	-0.0	5.7		5.51		TAS		264.5	1.57	m_e mb	6.1
CLL	77.16		S	01:15:40.277		7.1		10.65		TAS				m_e	
CLL	77.16		P	01:05:54.048	0.0	5.7		5.51		TAS		54.6	0.79	m_e mb	5.7
CLZ	76.80		S	01:15:37.888		7.1		10.65		TAS				m_e	
CLZ	76.80		P	01:05:52.852	-0.4	5.7		5.51		TAS		107.6	0.88	m_e mb	6.0
FLT1	76.26		S	01:15:31.176		7.1		10.65		TAS				m_e	
FLT1	76.26		P	01:05:49.001	0.3	5.7		5.51		TAS		73.4	0.87	m_e mb	5.8
FUR	80.41		P	01:06:12.438	-0.3	5.7		5.51		TAS		64.8	0.94	m_e mb	5.5
GEC2	79.55		S	01:16:06.086		7.1		10.65		TAS				m_e	
GEC2	79.55		P	01:06:07.647	-0.3	5.7		5.51		TAS		53.4	1.00	m_e mb	5.4
GOR1	75.60		P	01:05:45.985	-0.1	5.7		5.51		TAS		160.7	1.19	m_e mb	6.0
GTTG	77.11		S	01:15:41.318		7.1		10.65		TAS				m_e	
GTTG	77.11		P	01:05:54.568	-0.4	5.7		5.51		TAS		162.0	1.16	m_e mb	6.0
IBBN	76.46		S	01:15:33.585		7.1		10.65		TAS				m_e	
IBBN	76.46		P	01:05:50.625	-0.2	5.7		5.51		TAS		157.7	0.91	m_e mb	6.1
KAST	77.53		S	01:15:46.394		7.1		10.65		TAS				m_e	
KAST	77.53		P	01:05:56.507	-0.1	5.7		5.51		TAS		59.8	1.11	m_e mb	5.6
MANZ	78.54		S	01:15:56.660		7.1		10.65		TAS				m_e	
MANZ	78.54		P	01:06:02.139	0.3	5.7		5.51		TAS		12.0	1.00	m_e mb	4.9
MOX	77.91		S	01:15:47.737		7.1		10.65		TAS				m_e	
MOX	77.91		P	01:05:58.730	0.1	5.7		5.51		TAS		73.5	1.06	m_e mb	5.7
MOX	77.91		L	01:39:43.197						T__		6529.5	20.90	a_e Ms	5.9
NEUB	77.36		S	01:15:43.410		7.1		10.65		TAS				m_e	
NEUB	77.36		P	01:05:55.620	0.8	5.7		5.51		TAS		187.5	0.98	m_e mb	6.2
PLN	78.03		P	01:05:59.311	0.1	5.7		5.51		TAS		19.1	0.98	m_e mb	5.2
RETH	75.96		P	01:05:47.841	0.1	5.7		5.51		TAS		135.9	1.37	m_e mb	5.9
RJOB	80.72		S	01:16:19.878		7.1		10.65		TAS				m_e	
RJOB	80.72		P	01:06:14.146		5.7		5.51		TAS		42.5	0.88	m_e mb	5.5
ROTZ	78.75		P	01:06:03.546	0.3	5.7		5.51		TAS		17.5	1.13	m_e mb	5.0
RUE	75.94		P	01:05:47.702	-0.6	5.7		5.51		TAS		138.6	1.05	m_e mb	6.0
STU	79.92		P	01:06:09.440	0.0	5.7		5.51		TAS		133.4	0.96	m_e mb	5.8
TANN	78.08		S	01:15:51.764		7.1		10.65		TAS				m_e	
TANN	78.08		P	01:05:59.698	0.1	5.7		5.51		TAS		100.0	1.38	m_e mb	5.8
TNS	78.51		S	01:15:55.494		7.1		10.65		TAS				m_e	
TNS	78.51		P	01:06:01.977	0.3	5.7		5.51		TAS		69.0	0.94	m_e mb	5.7
UBBA	77.84		S	01:15:48.652		7.1		10.65		TAS				m_e	
UBBA	77.84		P	01:05:59.008	-0.0	5.7		5.51		TAS		136.5	1.63	m_e mb	5.8
UBR	80.96		P	01:06:15.136		5.7		5.51		TAS		120.6	1.53	m_e mb	5.7
WET	79.32		P	01:06:06.654	-0.3	5.7		5.51		TAS		65.9	1.34	m_e mb	5.5
WLF	79.15		S	01:16:02.953		7.1		10.65		TAS				m_e	
WLF	79.15		P	01:06:05.658	0.0	5.7		5.51		TAS		75.8	0.87	m_e mb	5.7

Event 91124003 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/24	13:26:28.69			51.5340	179.0480				33.0			25		74.48	80.20	m i ke	BGR
OrigID 91124009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	91124009
Ms	4.4		BGR	91124009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.25		P	13:38:12.334	0.3	7.7		5.53		TAS		44.8	1.20	m_e mb	5.5
BFO	80.20		P	13:38:33.732		7.7		5.53		TAS		16.7	1.05	m_e mb	4.9
BRG	77.19		P	13:38:17.454	-0.0	7.7		5.53		TAS		24.5	1.05	m_e mb	5.3
BSEG	74.48		P	13:38:02.656	0.0	7.7		5.53		TAS		41.3	0.96	m_e mb	5.4
BUG	77.17		P	13:38:17.159	-0.0	7.7		5.53		TAS		40.2	1.07	m_e mb	5.5
CLL	76.86		P	13:38:15.431	-0.1	7.7		5.53		TAS		24.2	0.99	m_e mb	5.3
CLZ	76.56		P	13:38:14.504	-0.3	7.7		5.53		TAS		57.3	1.00	m_e mb	5.7
FLT1	76.00		P	13:38:10.557	0.3	7.7		5.53		TAS		42.5	1.00	m_e mb	5.5
GEC2	79.22		P	13:38:28.937		7.7		5.53		TAS		18.8	1.04	m_e mb	5.1
GOR1	75.34		P	13:38:07.523	-0.0	7.7		5.53		TAS		55.3	1.07	m_e mb	5.5
GTTG	76.88		P	13:38:16.211	-0.4	7.7		5.53		TAS		66.4	1.12	m_e mb	5.7
IBBN	76.27		P	13:38:12.706	-0.1	7.7		5.53		TAS		92.1	0.96	m_e mb	5.9
KAST	77.33		P	13:38:18.381	-0.2	7.7		5.53		TAS		16.7	1.01	m_e mb	5.1
MANZ	78.25		P	13:38:23.540	0.1	7.7		5.53		TAS		3.9	1.01	m_e mb	4.5
MOX	77.64		P	13:38:20.151	0.0	7.7		5.53		TAS		26.0	1.01	m_e mb	5.3
MOX	77.64		L	14:18:28.051						T__		197.2	20.60	a_e Ms	4.4
NEUB	77.08		P	13:38:16.969	0.7	7.7		5.53		TAS		70.6	1.05	m_e mb	5.7
PLN	77.75		P	13:38:20.778	-0.1	7.7		5.53		TAS		6.3	0.93	m_e mb	4.7
RETH	75.74		P	13:38:09.651	0.2	7.7		5.53		TAS		38.1	1.05	m_e mb	5.5
ROTZ	78.46		P	13:38:24.835	0.2	7.7		5.53		TAS		6.1	1.07	m_e mb	4.7
RUE	75.62		P	13:38:08.956	-0.5	7.7		5.53		TAS		61.1	1.08	m_e mb	5.7
TANN	77.79		P	13:38:21.015	0.0	7.7		5.53		TAS		21.5	1.18	m_e mb	5.2
TNS	78.31		P	13:38:23.732	0.2	7.7		5.53		TAS		28.3	0.92	m_e mb	5.4
UBBA	77.60		P	13:38:20.614	0.0	7.7		5.53		TAS		34.8	1.55	m_e mb	5.2
WET	79.01		P	13:38:27.947	-0.6	7.7		5.53		TAS		18.4	1.11	m_e mb	5.0
WLF	79.00		P	13:38:27.715	0.1	7.7		5.53		TAS		34.3	1.00	m_e mb	5.3

Event 91125001 Southeastern China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/25	01:18:30.47			23.8660	106.5130				33.0			17		73.43	78.53	m i ke	BGR
OrigID 91125007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	91125007
Ms	4.6		BGR	91125007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	73.43		P	01:29:59.367	-0.1	70.3		5.75		TAS		11.9	1.02	m_e	mb	5.0
CLL	73.86		P	01:30:01.595	0.1	70.3		5.75		TAS		20.6	1.13	m_e	mb	5.1
CLZ	75.24		P	01:30:10.219	0.3	70.3		5.75		TAS		30.0	1.19	m_e	mb	5.2
FLT1	74.57		P	01:30:05.490	-0.1	70.3		5.75		TAS		23.0	1.34	m_e	mb	5.0
FUR	75.94		P	01:30:14.289		70.3		5.75		TAS		44.6	1.24	m_e	mb	5.5
GEC2	74.19		P	01:30:03.948		70.3		5.75		TAS		11.1	1.08	m_e	mb	4.8
GTTG	75.58		P	01:30:11.978	-0.0	70.3		5.75		TAS		23.1	1.21	m_e	mb	5.2
MANZ	74.82		P	01:30:07.739		70.3		5.75		TAS		2.7	1.23	m_e	mb	4.2
MOX	74.90		P	01:30:07.889		70.3		5.75		TAS		30.2	1.50	m_e	mb	5.1
MOX	74.90		L	02:08:00.692						T__		355.3	21.00	a_e	Ms	4.6
PLN	74.63		P	01:30:06.377		70.3		5.75		TAS		6.4	1.29	m_e	mb	4.5
RJOB	75.12		P	01:30:09.103		70.3		5.75		TAS		9.9	1.00	m_e	mb	4.8
ROTZ	74.83		P	01:30:07.849		70.3		5.75		TAS		7.0	1.17	m_e	mb	4.6
STU	77.03		P	01:30:20.236		70.3		5.75		TAS		107.3	1.53	m_e	mb	5.8
TANN	74.47		P	01:30:05.359		70.3		5.75		TAS		21.4	1.33	m_e	mb	5.0
UBR	76.85		P	01:30:18.458		70.3		5.75		TAS		16.0	1.12	m_e	mb	5.1
WET	74.61		P	01:30:06.474		70.3		5.75		TAS		13.0	1.16	m_e	mb	4.8
WLF	78.53		P	01:30:28.797		70.3		5.75		TAS		15.1	1.05	m_e	mb	5.0

Event 91125002 Nicaragua

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/25	01:33:33.86			11.0970	-85.3960				33.0			16		82.64	87.65	m i ke	BGR
91125008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	91125008
Ms	4.7		BGR	91125008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	87.30		P	01:46:17.433	0.1	282.2		4.95		TAS		7.7	1.02	m_e	mb	4.8
CLL	86.63		P	01:46:13.979	0.3	282.2		4.95		TAS		9.3	0.85	m_e	mb	4.9
CLZ	84.91		P	01:46:05.713	0.1	282.2		4.95		TAS		16.4	1.03	m_e	mb	5.2
FLT1	85.33		P	01:46:07.503	0.3	282.2		4.95		TAS		9.3	0.92	m_e	mb	5.0
GEC2	87.65		P	01:46:18.588		282.2		4.95		TAS		4.7	0.95	m_e	mb	4.8
MANZ	86.37		P	01:46:12.871		282.2		4.95		TAS		1.5	0.97	m_e	mb	4.1
MOX	85.92		P	01:46:10.550		282.2		4.95		TAS		7.1	0.94	m_e	mb	4.8
MOX	85.92		L	02:08:00.683						T__		355.3	21.00	a_e	Ms	4.7
NEUB	85.90		P	01:46:10.303	0.1	282.2		4.95		TAS		7.5	0.74	m_e	mb	4.9
PLN	86.29		P	01:46:12.491		282.2		4.95		TAS		6.0	0.99	m_e	mb	4.7

./bul1911.txt

Tue Sep 28 10:33:18 2021

27

ROTZ	86.48	P	01:46:13.355	282.2	4.95	TAS	2.1	1.05	m_e	mb	4.2
STU	84.75	P	01:46:04.873	282.2	4.95	TAS	39.8	0.99	m_e	mb	5.6
TANN	86.50	P	01:46:13.739	282.2	4.95	TAS	14.7	1.00	m_e	mb	5.1
TNS	84.01	P	01:46:00.861	282.2	4.95	TAS	11.1	0.87	m_e	mb	5.1
UBR	85.56	P	01:46:08.911	282.2	4.95	TAS	11.2	0.91	m_e	mb	5.0
WET	87.05	P	01:46:16.452	282.2	4.95	TAS	11.3	1.00	m_e	mb	5.0
WLF	82.64	P	01:45:54.270	282.2	4.95	TAS	21.8	1.01	m_e	mb	5.3

Event 91125003 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/25	16:00:22.70			-6.2700	154.8000				66.0			10		124.47	127.24	m i ke	EMSC
OrigID 91125035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.8		BGR	91125009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	124.92		pPKPdf	16:19:14.727						T__				m_e	
BSEG	124.47		pPKPdf	16:19:14.267	0.2					T__				m_e	
CLL	125.09		pPKPdf	16:19:14.881						T__				m_e	
CLZ	125.93		pPKPdf	16:19:16.928	-0.5					T__				m_e	
FLT1	125.20		pPKPdf	16:19:15.011	0.1					T__				m_e	
GEC2	126.34		pPKPdf	16:19:17.103						T__				m_e	
KAST	127.24		pPKPdf	16:19:19.023						T__				m_e	
MANZ	126.39		pPKPdf	16:19:17.743						T__				m_e	
MOX	126.18		L	17:18:26.689						T__		221.6	20.60	a_e Ms	4.8
TANN	125.94		pPKPdf	16:19:17.073						T__				m_e	
WET	126.56		pPKPdf	16:19:18.447						T__				m_e	

Event 91126001 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/26	02:54:11.78	0.60	0.93	41.2210	19.3310	10.0	6.7	170	10.0					38	255	6.26	14.08 m i ke BGR
OrigID 91126007																	

Magnitude	Err	Nsta	Author	OrigID
ML	6.6		BGR	91126007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	10.56		Pn	02:56:40.693	-0.8					T__				m_e	
BRG	10.35		Pn	02:56:38.136	-0.6					T__				m_e	
BSEG	14.08		Pn	02:57:28.443	-0.6					T__				m_e	

BUD	6.26	Sn	02:56:52.452	-0.1	T__	m_e ML	6.8
CLL	10.99	Pn	02:56:46.735	-0.6	T__	m_e	
CLZ	12.27	Pn	02:57:06.699	2.1	T__	m_e	
DPC	9.36	Pn	02:56:25.404	0.1	T__	m_e	
FUR	9.00	Pn	02:56:19.756	-0.7	T__	m_e	
GEC2	8.60	Pn	02:56:14.404	-0.6	T__	m_e ML	6.7
GTTG	12.17	Pn	02:57:05.552	2.3	T__	m_e	
JAVC	7.73	Pn	02:56:03.699	0.4	T__	m_e	
KAST	12.51	Pn	02:57:07.586	-0.2	T__	m_e	
KHC	8.89	Pn	02:56:18.259	-0.7	T__	m_e	
KRUC	8.11	Pn	02:56:08.456	0.0	T__	m_e	
KSP	9.85	Pn	02:56:31.933	-0.0	T__	m_e	
MANZ	10.12	Pn	02:56:33.725	-1.8	T__	m_e	
MLR	6.44	Sn	02:56:57.491	0.7	T__	m_e	
MLR	6.44	Pn	02:55:46.090	0.2	T__	m_e ML	6.4
MORC	8.65	Pn	02:56:15.756	0.1	T__	m_e ML	7.0
MOX	10.84	Pn	02:56:44.111	-1.2	T__	m_e	
NIE	8.23	Pn	02:56:10.898	0.9	T__	m_e	
OJC	9.01	Pn	02:56:20.683	0.2	T__	m_e	
OKC	8.66	Sn	02:57:48.083	-1.4	T__	m_e	
OKC	8.66	Pn	02:56:14.765	-1.1	T__	m_e ML	6.3
PLN	10.52	Pn	02:56:42.912	1.9	T__	m_e	
PRU	9.39	Pn	02:56:25.611	-0.0	T__	m_e	
PSZ	6.71	Sn	02:57:03.412	0.2	T__	m_e ML	6.5
PVCC	9.88	Pn	02:56:32.181	-0.1	T__	m_e	
ROTZ	9.90	Pn	02:56:31.077	-1.5	T__	m_e	
SOP	6.76	Sn	02:57:05.176	0.8	T__	m_e	
SOP	6.76	Pn	02:55:50.730	0.5	T__	m_e ML	6.9
STU	10.41	Pn	02:56:39.865	0.4	T__	m_e	
SUW	13.06	Pn	02:57:15.857	0.7	T__	m_e	
TANN	10.36	Pn	02:56:39.865	1.0	T__	m_e	
TIRR	7.42	Pn	02:55:57.993	-1.1	T__	m_e ML	6.7
TNS	11.77	Pn	02:56:57.361	-0.5	T__	m_e	
TREC	8.52	Pn	02:56:14.088	0.2	T__	m_e ML	6.5
UBR	9.23	Pn	02:56:24.926	1.4	T__	m_e	
VRAC	8.31	Pn	02:56:10.855	-0.3	T__	m_e ML	6.4
WET	9.14	Pn	02:56:21.331	-0.9	T__	m_e	
WLF	12.51	Pn	02:57:08.925	1.1	T__	m_e	

Event 91126004 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2019/11/26	06:08:20.54	1.76	1.04	41.1800	19.2230	42.3	11.1	9	10.0					28	255	6.30	14.09	m i ke BGR
91126010																		

Magnitude Err Nsta Author OrigID

ML 5.8 BGR 91126010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	10.53		Pn	06:10:49.999	0.1					T__				m_e	
BRG	10.36		Pn	06:10:47.414	-0.2					T__				m_e	
BSEG	14.09		Pn	06:11:37.016	-0.9					T__				m_e	
BUD	6.30		Pg	06:09:48.271						T__				m_e ML	6.0
CKRC	8.39		Pn	06:10:21.451	0.5					T__				m_e ML	6.0
CLL	11.00		Pn	06:10:56.160	-0.1					T__				m_e	
FLT1	12.42		Pn	06:11:16.018	0.7					T__				m_e	
FUR	8.98		Pn	06:10:28.583	-0.4					T__				m_e	
GEC2	8.60		Pn	06:10:23.610	-0.2					T__				m_e	
GOR1	12.98		Pn	06:11:22.437	-0.4					T__				m_e	
GTTG	12.17		Pn	06:11:12.209	0.2					T__				m_e	
IBBN	13.61		Pn	06:11:34.875	3.5					T__				m_e	
KAST	12.50		Pn	06:11:15.820	-0.6					T__				m_e	
MANZ	10.12		Pn	06:10:43.161	-1.1					T__				m_e	
MLR	6.53		Pn	06:09:56.357	0.6					T__				m_e ML	5.6
MORC	8.68		Pn	06:10:24.849	0.0					T__				m_e	
MOX	10.84		Pn	06:10:53.432	-0.6					T__				m_e	
OKC	8.69		Pn	06:10:24.813	-0.2					T__				m_e ML	5.5
PLN	10.53		Pn	06:10:48.698	-1.1					T__				m_e	
PRU	9.40		Pn	06:10:35.269	0.7					T__				m_e	
PSZ	6.75		Sn	06:11:12.701						T__				m_e ML	5.8
RETH	13.36		Pn	06:11:30.862	2.8					T__				m_e	
RJOB	8.00		Pn	06:10:16.070	0.3					T__				m_e	
ROTZ	9.90		Pn	06:10:39.871	-1.4					T__				m_e	
STU	10.39		Pn	06:10:47.272	-0.7					T__				m_e	
TANN	10.37		Pn	06:10:46.612	-1.0					T__				m_e	
TIRR	7.51		Pn	06:10:08.681	-0.4					T__				m_e ML	5.8
TNS	11.76		Pn	06:11:06.752	0.3					T__				m_e	
TREC	8.53		Pn	06:10:23.200	0.3					T__				m_e ML	5.6
WET	9.13		Pn	06:10:30.428	-0.6					T__				m_e	

Event 91126005 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/26	09:19:27.53	0.95	0.75	43.1840	18.0050	17.8	6.7	11	10.0			31	234	5.68	11.43	m i ke	BGR
OrigID 91126011																	

Magnitude 5.3 Err Nsta Author BGR 91126011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	8.50		Pn	09:21:28.280	-1.1					T__				m_e	
BRG	8.18		Pn	09:21:24.811	-0.2					T__				m_e	

CKRC	6.20	Pn	09:20:59.113	0.8	T__	m_e		
DPC	7.26	Pn	09:21:12.295	-0.4	T__	m_e		
FUR	6.85	Pn	09:21:06.667	-0.6	T__	m_e ML	6.0	
GEC2	6.40	Pn	09:21:01.155	0.0	T__	m_e ML	5.3	
GTTG	9.98	Pn	09:21:50.485	1.1	T__	m_e		
IBBN	11.43	Pn	09:22:10.951	2.0	T__	m_e		
JAVC	5.68	Pn	09:20:51.276	-0.1	T__	m_e		
KAST	10.33	Pn	09:21:54.373	0.2	T__	m_e		
KHC	6.69	Pn	09:21:05.425	0.4	T__	m_e ML	5.2	
KRUC	5.98	Pn	09:20:55.154	-0.3	T__	m_e ML	5.1	
MANZ	7.92	Pn	09:21:20.958	-0.7	T__	m_e ML	4.8	
MLR	6.14	Pn	09:20:58.297	0.7	T__	m_e		
MORC	6.60	Pn	09:21:03.080	-0.7	T__	m_e		
MOX	8.65	Pn	09:21:31.273	-0.1	T__	m_e		
OJC	7.14	Pn	09:21:10.254	-0.9	T__	m_e ML	5.2	
OKC	6.66	Pn	09:21:04.198	-0.3	T__	m_e ML	5.1	
PLN	8.33	Pn	09:21:26.647	-0.5	T__	m_e		
PRU	7.21	Pn	09:21:13.336	1.3	T__	m_e		
RETH	11.17	Pn	09:22:07.210	1.8	T__	m_e		
RJOB	5.84	Pn	09:20:54.201	0.6	T__	m_e		
ROTZ	7.70	Pn	09:21:18.236	-0.4	T__	m_e ML	5.0	
STU	8.30	Pn	09:21:25.654	-1.0	T__	m_e		
TANN	8.17	Pn	09:21:24.497	-0.5	T__	m_e		
TIRR	7.63	Pn	09:21:17.624	-0.2	T__	m_e ML	5.7	
TNS	9.62	Pn	09:21:44.537	-0.0	T__	m_e		
TREC	6.36	Pn	09:21:00.663	0.2	T__	m_e		
UBR	7.15	Pn	09:21:10.662	-0.5	T__	m_e ML	6.0	
VRAC	6.20	Pn	09:20:58.010	-0.4	T__	m_e		
WET	6.94	Pn	09:21:08.437	0.1	T__	m_e		

Event 91126003 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/26	11:05:49.32			18.5580	95.5350				33.0			13		70.57	73.48	m i ke	BGR
91126009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	91126009
Ms	4.5		BGR	91126009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	70.57		P	11:17:00.435		81.9		5.97		TAS		18.3	0.70	m_e mb	5.3
BSEG	72.43		P	11:17:11.787	-0.7	81.9		5.97		TAS		9.0	0.67	m_e mb	5.0
CLL	71.12		P	11:17:03.224	-0.4	81.9		5.97		TAS		6.2	0.72	m_e mb	4.8
CLZ	72.68		P	11:17:13.274	0.5	81.9		5.97		TAS		17.5	0.82	m_e mb	5.2
FLT1	72.08		P	11:17:08.696	-0.1	81.9		5.97		TAS		10.5	0.64	m_e mb	5.1

./bul1911.txt

Tue Sep 28 10:33:18 2021

31

GEC2	70.94	P	11:17:02.731		81.9	5.97	TAS	12.8	0.60	m_e	mb	5.2
GOR1	71.96	P	11:17:08.032	0.3	81.9	5.97	TAS	93.4	1.49	m_e	mb	5.7
GTTG	72.97	P	11:17:14.880	0.1	81.9	5.97	TAS	15.6	0.79	m_e	mb	5.2
MANZ	71.84	P	11:17:08.436		81.9	5.97	TAS	8.4	1.47	m_e	mb	4.7
MOX	72.07	L	11:53:06.285				T__	263.0	21.50	a_e	Ms	4.5
PLN	71.74	P	11:17:07.294		81.9	5.97	TAS	3.6	0.67	m_e	mb	4.6
ROTZ	71.80	P	11:17:08.281		81.9	5.97	TAS	4.5	0.72	m_e	mb	4.7
UBR	73.48	P	11:17:17.336		81.9	5.97	TAS	17.3	0.65	m_e	mb	5.3
WET	71.45	P	11:17:05.791		81.9	5.97	TAS	8.2	0.79	m_e	mb	4.9

Event 91127001 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/27	07:23:42.08	2.74	1.65	35.6890	22.8800	83.4	23.3	171	50.0				37 300	9.73	19.55	m i ke	BGR
91127007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	16.59		Pn	07:27:31.829	1.5					T__					m_e
BRG	16.49		Pn	07:27:30.739	1.7					T__					m_e
BUG	19.32		Pn	07:28:04.174	-3.0					T__					m_e
CKRC	14.56		Pn	07:27:03.486	0.6					T__					m_e
CLL	17.15		Pn	07:27:38.490	0.6					T__					m_e
CLZ	18.46		Pn	07:27:54.136	-1.4					T__					m_e
FLT1	18.58		Pn	07:27:54.439	-2.8					T__					m_e
FUR	15.14		Pn	07:27:11.215	0.5					T__					m_e
GEC2	14.78		Pn	07:27:06.108	0.2					T__					m_e
GKP	18.02		Pn	07:27:47.408	-2.2					T__					m_e
GOR1	19.13		Pn	07:28:00.989	-3.6					T__					m_e
JAVC	13.71		Pn	07:26:53.346	1.9					T__					m_e
KAST	18.67		Pn	07:27:56.769	-1.7					T__					m_e
KHC	15.07		Pn	07:27:10.495	0.7					T__					m_e
KRUC	14.19		Pn	07:26:59.112	1.2					T__					m_e
KSP	15.88		Pn	07:27:23.690	3.0					T__					m_e
MANZ	16.30		Pn	07:27:25.598	-0.8					T__					m_e
MLR	10.06		Pn	07:26:03.014	0.8					T__					m_e
MORC	14.61		Pn	07:27:03.892	0.3					T__					m_e
MOX	17.03		Pn	07:27:36.841	0.6					T__					m_e
NEUB	17.44		Pn	07:27:42.999	1.2					T__					m_e
OJC	14.70		Pn	07:27:04.287	-0.4					T__					m_e
PLN	16.71		Pn	07:27:32.936	1.0					T__					m_e
PRU	15.53		Pn	07:27:15.811	-0.2					T__					m_e
PSZ	12.42		Pn	07:26:33.099	-0.9					T__					m_e
PVCC	16.01		Pn	07:27:24.775	2.3					T__					m_e
RETH	19.55		Pn	07:28:05.915	-4.3					T__					m_e

RJOB	14.18	Pn	07:26:58.732	0.9	T__	m_e
ROTZ	16.08	Pn	07:27:22.172	-1.3	T__	m_e
STU	16.51	Pn	07:27:29.993	0.8	T__	m_e
TANN	16.55	Pn	07:27:30.343	0.6	T__	m_e
TIRR	9.73	Pn	07:25:57.130	-0.6	T__	m_e
TNS	17.91	Pn	07:27:47.899	-0.3	T__	m_e
UBBA	17.75	Pn	07:27:47.175	1.1	T__	m_e
UBR	15.29	Pn	07:27:14.967	2.2	T__	m_e
WET	15.32	Pn	07:27:13.215	0.0	T__	m_e
WLF	18.55	Pn	07:27:56.486	-0.3	T__	m_e

Event 91127003 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/27	14:45:22.35	2.07	0.63	41.1080	19.2400	42.3	8.9	9	10.0				13 256	6.37	12.56	m i ke	BGR
91127009																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.3		BGR	91127009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	10.59		Pn	14:47:52.509	-0.1					T__				m_e	
BUD	6.37		Sn	14:48:06.898						T__				m_e	ML 5.5
CKRC	8.46		Sg	14:49:52.804						T__				m_e	
CKRC	8.46		Pn	14:47:23.635	-0.1					T__				m_e	ML 5.5
GEC2	8.67		Sn	14:48:57.878						T__				m_e	ML 5.4
GEC2	8.67		Sg	14:50:00.340						T__				m_e	
KAST	12.56		Pn	14:48:20.043	0.9					T__				m_e	
KHC	8.96		Sg	14:50:08.966						T__				m_e	
KHC	8.96		Pn	14:47:30.105	-0.4					T__				m_e	ML 5.0
KRUC	8.20		Sn	14:48:43.583						T__				m_e	
MLR	6.57		Pn	14:46:58.157	0.0					T__				m_e	
MOX	10.91		Pn	14:47:56.182	-0.6					T__				m_e	
NIE	8.34		Sn	14:48:56.680						T__				m_e	
NIE	8.34		Pn	14:47:22.564	0.4					T__				m_e	
PRU	9.47		Pn	14:47:37.988	0.6					T__				m_e	
PSZ	6.83		Sn	14:48:13.749						T__				m_e	ML 5.3
ROTZ	9.97		Pn	14:47:42.758	-1.3					T__				m_e	
TANN	10.44		Pn	14:47:51.241	0.8					T__				m_e	
TIRR	7.53		Pn	14:47:11.123	-0.1					T__				m_e	
TREC	8.60		Sg	14:49:51.615						T__				m_e	ML 5.1
UBR	9.26		Pn	14:47:35.127	0.5					T__				m_e	
WET	9.20		Pn	14:47:33.082	-0.7					T__				m_e	

Event 91128001 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/28	10:52:39.96	1.95	0.35	41.1030	19.2530	36.7	8.9	8	10.0				10 256	6.56	10.61	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.8		BGR	91128007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	10.61		Pn	10:55:10.240	-0.1					T__					m_e
CKRC	8.47		Pn	10:54:41.004	-0.5					T__					m_e
GEC2	8.68		Sn	10:56:17.049						T__					m_e ML 4.9
JAVC	7.84		Pn	10:54:32.714	-0.2					T__					m_e
KHC	8.97		Sn	10:56:24.420						T__					m_e ML 4.8
MLR	6.56		Pn	10:54:16.074	0.4					T__					m_e
NIE	8.35		Pn	10:54:40.048	0.2					T__					m_e
PRU	9.48		Pn	10:54:54.945	-0.1					T__					m_e
RJOB	8.08		Sn	10:56:03.502						T__					m_e
RJOB	8.08		Pn	10:54:37.011	0.8					T__					m_e ML 4.9
TIRR	7.53		Pn	10:54:28.443	-0.3					T__					m_e
UBR	9.27		Pn	10:54:52.319	0.0					T__					m_e
VRAC	8.42		Sg	10:57:01.908						T__					m_e
WET	9.21		Pn	10:54:51.258	-0.2					T__					m_e

Event 91129002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/29	04:01:45.85			39.8940	143.6080				33.0				20	78.27	83.63	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	91129008
Ms	5.4		BGR	91129008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	83.63		P	04:14:09.029		35.0		5.31		TAS		149.2	1.57	m_e	mb 6.0
BFO	83.63		L	04:56:55.749						T__		1581.2	18.20	a_e	Ms 5.4
BRG	79.45		P	04:13:47.008	0.5	35.0		5.31		TAS		34.8	0.95	m_e	mb 5.4
BSEG	78.27		P	04:13:41.191	-0.5	35.0		5.31		TAS		42.5	1.03	m_e	mb 5.5
BSEG	78.27		L	04:51:14.454						T__		1573.0	19.40	a_e	Ms 5.3
BUG	81.38		P	04:13:57.251	-0.1	35.0		5.31		TAS		34.0	0.92	m_e	mb 5.4
CLL	79.46		P	04:13:46.848	-0.0	35.0		5.31		TAS		58.8	0.85	m_e	mb 5.6
CLL	79.46		L	04:54:01.273						T__		1257.2	20.40	a_e	Ms 5.2
CLZ	79.98		P	04:13:50.269	-0.1	35.0		5.31		TAS		79.4	1.06	m_e	mb 5.6

FLT1	79.27	P	04:13:45.787	-0.0	35.0	5.31	TAS	64.8	0.93	m_e	mb	5.6
FUR	82.67	L	04:53:03.116				T__	1078.0	21.40	a_e	Ms	5.2
GEC2	81.17	P	04:13:56.169		35.0	5.31	TAS	25.9	1.04	m_e	mb	5.2
GEC2	81.17	L	04:53:10.765				T__	2072.0	19.00	a_e	Ms	5.5
GRA1	81.43	P	04:13:58.266		35.0	5.31	TAS	100.6	0.91	m_e	mb	5.8
GRA1	81.43	L	04:55:36.444				T__	962.2	21.50	a_e	Ms	5.1
GTTG	80.36	P	04:13:52.228	-0.1	35.0	5.31	TAS	53.4	0.90	a_e	mb	5.5
KAST	81.19	P	04:13:56.392	0.1	35.0	5.31	TAS	32.6	1.10	m_e	mb	5.3
MANZ	80.86	P	04:13:54.778		35.0	5.31	TAS	7.7	0.92	a_e	mb	4.7
MOX	80.51	P	04:13:52.778	-0.2	35.0	5.31	TAS	43.2	1.04	a_e	mb	5.4
MOX	80.51	L	04:50:12.710				T__	1109.1	22.00	a_e	Ms	5.2
PLN	80.44	P	04:13:52.405	-0.4	35.0	5.31	TAS	12.5	1.10	m_e	mb	4.8
RETH	79.59	P	04:13:48.002	0.2	35.0	5.31	TAS	56.3	1.10	m_e	mb	5.4
RJOB	82.42	P	04:14:03.146		35.0	5.31	TAS	45.7	0.94	m_e	mb	5.6
ROTZ	81.00	P	04:13:55.771		35.0	5.31	TAS	12.3	1.10	m_e	mb	4.8
TANN	80.38	P	04:13:52.128	0.2	35.0	5.31	TAS	23.5	1.07	a_e	mb	5.0
TNS	82.00	P	04:14:00.728		35.0	5.31	TAS	30.0	0.98	a_e	mb	5.4
TNS	82.00	L	04:54:04.775				T__	2004.3	18.70	a_e	Ms	5.5
WET	81.25	P	04:13:56.970		35.0	5.31	TAS	45.8	1.17	m_e	mb	5.4
WET	81.25	L	04:53:30.855				T__	3484.0	18.10	a_e	Ms	5.8

Event 91129003 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/29	17:21:03.61			35.0220	44.5480				33.0			18		26.80	31.55	m i ke	BGR
OrigID 91129009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	91129009
Ms	3.5		BGR	91129009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	29.55	P		17:27:04.971	-0.2	108.5		8.91		TAS		10.1	1.03	m_e	mb	4.6
BFO	29.85	L		17:40:46.956						T__		100.7	18.40	a_e	Ms	3.5
BRG	27.18	P		17:26:43.445	0.6	108.5		8.91		TAS		3.3	0.84	m_e	mb	4.1
BSEG	30.46	L		17:45:38.434						T__		106.4	18.00	a_e	Ms	3.5
BUG	31.32	P		17:27:20.791	-0.1	108.5		8.91		TAS		16.2	1.03	m_e	mb	4.9
CLL	27.90	P		17:26:50.680	-0.3	108.5		8.91		TAS		10.9	0.88	m_e	mb	4.7
CLL	27.90	L		17:39:37.272						T__		118.9	21.90	a_e	Ms	3.4
CLZ	29.62	P		17:27:05.679	-0.1	108.5		8.91		TAS		15.8	0.84	m_e	mb	4.9
FLT1	29.31	P		17:27:02.548	-0.8	108.5		8.91		TAS		12.1	0.95	m_e	mb	4.7
FUR	27.90	P		17:26:51.184		108.5		8.91		TAS		33.5	0.85	m_e	mb	5.2
FUR	27.90	L		17:43:14.499						T__		145.6	19.90	a_e	Ms	3.6
GOR1	29.53	P		17:27:04.727	-0.8	108.5		8.91		TAS				m_e		
GRA1	28.38	P		17:26:54.747		108.5		8.91		TAS		9.7	0.67	m_e	mb	4.8
GRA1	28.38	L		17:49:19.858						T__		112.8	19.20	a_e	Ms	3.5

MANZ	27.94	P	17:26:51.461	108.5	8.91	TAS	2.3	1.32	m_e	mb	3.8
MOX	28.46	L	17:40:06.944			T__	125.0	21.70	a_e	Ms	3.5
RJOB	26.80	P	17:26:41.303	108.5	8.91	TAS	9.3	0.76	m_e	mb	4.6
ROTZ	27.80	P	17:26:50.115	108.5	8.91	TAS	2.5	1.07	m_e	mb	4.0
TNS	30.25	P	17:27:11.300	108.5	8.91	TAS	9.9	0.97	m_e	mb	4.6
TNS	30.25	L	17:42:13.914			T__	113.6	18.80	a_e	Ms	3.5
UBR	28.54	P	17:26:56.099	108.5	8.91	TAS	17.2	0.82	m_e	mb	4.9
WET	27.18	P	17:26:44.174	108.5	8.91	TAS	6.2	0.86	m_e	mb	4.4
WET	27.18	L	17:45:31.997			T__	120.2	20.30	a_e	Ms	3.5
WLF	31.55	P	17:27:21.964	108.5	8.91	TAS	11.0	0.89	m_e	mb	4.8

Event 91129004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/29	17:41:31.76			-16.1950	175.9020				33.0					143.38	146.49	m i ke	IDCSEL3
OrigID 91129042																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.3		BGR	91129010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	146.37		PKPbc	18:01:13.104		21.8		3.14		TAS					m_e	
GRA1	144.35		PKPbc	18:01:04.564		21.8		3.14		TAS					m_e	
GRA1	144.35		L	19:07:44.357						T__		56.4	18.60	a_e	Ms	4.4
MOX	143.38		L	19:07:07.586						T__		56.8	22.00	a_e	Ms	4.3
UBR	146.49		PKPbc	18:01:14.071		21.8		3.14		TAS					m_e	
WLF	145.59		PKPbc	18:01:10.907		21.8		3.14		TAS					m_e	

Event 91130006 Near coast of Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/30	07:44:22.37			13.9830	-91.9790				33.0					87.71	87.79	m i ke	BGR
OrigID 91130012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	91130012
Ms	5.3		BGR	91130012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	87.79		P	07:57:07.867		280.9		5.18		TAS		6.2	0.95	m_e	mb	4.9
GRA1	87.79		L	08:32:38.049						T__		1609.6	21.30	a_e	Ms	5.4
MOX	87.71		L	08:35:33.140						T__		1063.1	21.50	a_e	Ms	5.2

Event 91130007 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/30	16:16:51.20			-26.9670	-177.0590				174.0				10	152.51	156.56	m i ke	NEIC
OrigID 91130046																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	154.20		PKPdf	16:36:34.938	0.2	17.3		1.98		TAS					m_e
BRG	154.70		PKPdf	16:36:35.917		17.3		1.98		TAS					m_e
BRG	154.70		PKPab	16:36:52.116		16.9		4.52		TAS					m_e
BSEG	152.51		PKPdf	16:36:31.463	0.1	17.3		1.98		TAS					m_e
CLL	154.52		PKPdf	16:36:35.683		17.3		1.98		TAS					m_e
CLZ	154.53		PKPdf	16:36:35.761		17.3		1.98		TAS					m_e
CLZ	154.53		PKPab	16:36:51.227		16.9		4.52		TAS					m_e
FLT1	153.91		PKPdf	16:36:34.311	0.1	17.3		1.98		TAS					m_e
GOR1	153.27		PKPab	16:36:45.706	0.0	16.9		4.52		TAS					m_e
IBBN	154.43		PKPdf	16:36:35.504	-0.3	17.3		1.98		TAS					m_e
IBBN	154.43		PKPab	16:36:50.961		16.9		4.52		TAS					m_e
MANZ	155.96		PKPab	16:36:57.484		16.9		4.52		TAS					m_e
MOX	155.44		PKPab	16:36:55.036		16.9		4.52		TAS					m_e
NEUB	154.89		PKPdf	16:36:35.948		17.3		1.98		TAS					m_e
RETH	153.81		PKPdf	16:36:34.148	0.0	17.3		1.98		TAS					m_e
RETH	153.81		PKPab	16:36:47.772	0.2	16.9		4.52		TAS					m_e
ROTZ	156.14		PKPab	16:36:58.616		16.9		4.52		TAS					m_e
RUE	153.25		PKPdf	16:36:33.137	0.0	17.3		1.98		TAS					m_e
SCHF	155.24		PKPab	16:36:54.643		16.9		4.52		TAS					m_e
WET	156.56		PKPab	16:37:00.514		16.9		4.52		TAS					m_e

Event 91130008 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/30	19:52:42.28			-24.5510	178.5830				644.7	6.2			11	149.36	155.17	m i ke	BGR
OrigID 91130014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.96		PKPdf	20:11:20.300	-0.2	30.4		1.44		TAS					m_e
ASSE	150.96		PKPbc	20:11:28.395	-0.3	26.0		2.10		TAS					m_e
ASSE	150.96		pPKPbc	20:13:54.878	0.2	26.8		2.39		TAS					m_e
ASSE	150.96		pPKPab	20:14:02.471	-0.2					T__					m_e

BFO	155.05	PKPab	20:12:00.889		26.3	4.44	TAS	m_e
BFO	155.05	pPKPab	20:14:20.165				T__	m_e
BRG	151.17	PKPdf	20:11:20.764	-0.2	30.4	1.44	TAS	m_e
BRG	151.17	PKPbc	20:11:28.751	0.2	26.0	2.10	TAS	m_e
BRG	151.17	pPKPbc	20:13:55.103	0.0	26.8	2.39	TAS	m_e
BSEG	149.36	PKPbc	20:11:25.106	-0.1	26.0	2.10	TAS	m_e
BSEG	149.36	pPKPbc	20:13:50.207	0.2	26.8	2.39	TAS	m_e
BUG	152.34	PKPdf	20:11:22.336		30.4	1.44	TAS	m_e
BUG	152.34	PKPbc	20:11:31.209	0.0	26.0	2.10	TAS	m_e
BUG	152.34	PKPab	20:11:49.132		26.3	4.44	TAS	m_e
CLL	151.07	PKPbc	20:11:28.573	-0.1	26.0	2.10	TAS	m_e
CLL	151.07	PKPab	20:11:42.669	0.0	26.3	4.44	TAS	m_e
CLL	151.07	pPKPbc	20:13:54.754	-0.0	26.8	2.39	TAS	m_e
CLZ	151.30	PKPdf	20:11:20.950	-0.1	30.4	1.44	TAS	m_e
CLZ	151.30	PKPbc	20:11:29.373	-0.0	26.0	2.10	TAS	m_e
CLZ	151.30	PKPab	20:11:44.348	0.0	26.3	4.44	TAS	m_e
CLZ	151.30	pPKPbc	20:13:55.339	0.2	26.8	2.39	TAS	m_e
FLT1	150.63	PKPdf	20:11:19.495	0.3	30.4	1.44	TAS	m_e
FLT1	150.63	PKPbc	20:11:27.506	0.3	26.0	2.10	TAS	m_e
FLT1	150.63	pPKPbc	20:13:53.754	0.3	26.8	2.39	TAS	m_e
FLT1	150.63	pPKPab	20:14:01.219	0.1			T__	m_e
FUR	154.38	PKPab	20:11:57.618		26.3	4.44	TAS	m_e
GEC2	152.99	PKPbc	20:11:32.631		26.0	2.10	TAS	m_e
GEC2	152.99	pPKPbc	20:13:58.839		26.8	2.39	TAS	m_e
GOR1	150.01	PKPbc	20:11:26.597	0.1	26.0	2.10	TAS	m_e
GOR1	150.01	pPKPbc	20:13:52.216	0.1	26.8	2.39	TAS	m_e
GRA1	153.03	PKPdf	20:11:22.755		30.4	1.44	TAS	m_e
GRA1	153.03	PKPab	20:11:51.888		26.3	4.44	TAS	m_e
GTTG	151.67	PKPab	20:11:45.969	0.4	26.3	4.44	TAS	m_e
GTTG	151.67	pPKPab	20:14:05.895				T__	m_e
IBBN	151.42	PKPdf	20:11:21.674	-0.3	30.4	1.44	TAS	m_e
IBBN	151.42	PKPbc	20:11:29.618	0.0	26.0	2.10	TAS	m_e
IBBN	151.42	PKPab	20:11:44.767	-0.5	26.3	4.44	TAS	m_e
IBBN	151.42	pPKPbc	20:13:56.012	0.1	26.8	2.39	TAS	m_e
IBBN	151.42	pPKPab	20:14:04.816				T__	m_e
KAST	152.33	PKPdf	20:11:22.329		30.4	1.44	TAS	m_e
KAST	152.33	PKPbc	20:11:31.161	-0.1	26.0	2.10	TAS	m_e
KAST	152.33	pPKPab	20:14:08.454				T__	m_e
MANZ	152.51	PKPdf	20:11:22.333		30.4	1.44	TAS	m_e
MANZ	152.51	PKPbc	20:11:32.060	-0.1	26.0	2.10	TAS	m_e
MANZ	152.51	pPKPbc	20:13:57.918		26.8	2.39	TAS	m_e
MANZ	152.51	pPKPab	20:14:08.804				T__	m_e
MOX	152.06	PKPdf	20:11:21.602	0.5	30.4	1.44	TAS	m_e
MOX	152.06	PKPbc	20:11:30.551	0.4	26.0	2.10	TAS	m_e
MOX	152.06	PKPab	20:11:47.322	0.1	26.3	4.44	TAS	m_e
MOX	152.06	pPKPbc	20:13:57.131		26.8	2.39	TAS	m_e
NEUB	151.53	PKPdf	20:11:21.066	0.0	30.4	1.44	TAS	m_e
NEUB	151.53	PKPbc	20:11:29.560	-0.1	26.0	2.10	TAS	m_e
NEUB	151.53	PKPab	20:11:45.421	0.2	26.3	4.44	TAS	m_e

NEUB	151.53	pPKPbc	20:13:56.015	0.2	26.8	2.39	TAS	m_e
PLN	152.05	PKPbc	20:11:30.795	0.5	26.0	2.10	TAS	m_e
PLN	152.05	PKPab	20:11:47.266	-0.1	26.3	4.44	TAS	m_e
PLN	152.05	pPKPbc	20:13:57.203	-0.5	26.8	2.39	TAS	m_e
RETH	150.69	PKPdf	20:11:20.179	0.1	30.4	1.44	TAS	m_e
RETH	150.69	PKPbc	20:11:27.891	0.0	26.0	2.10	TAS	m_e
RETH	150.69	PKPab	20:11:41.786	-0.0	26.3	4.44	TAS	m_e
RETH	150.69	pPKPbc	20:13:54.201	0.1	26.8	2.39	TAS	m_e
RETH	150.69	pPKPab	20:14:01.664	0.2			T__	m_e
ROTZ	152.68	PKPbc	20:11:31.802	-0.1	26.0	2.10	TAS	m_e
ROTZ	152.68	PKPab	20:11:50.100		26.3	4.44	TAS	m_e
ROTZ	152.68	pPKPab	20:14:09.953				T__	m_e
RUE	149.82	PKPbc	20:11:25.995	-0.2	26.0	2.10	TAS	m_e
RUE	149.82	pPKPbc	20:13:51.885	0.0	26.8	2.39	TAS	m_e
STU	154.42	PKPdf	20:11:25.668		30.4	1.44	TAS	m_e
TANN	152.03	PKPdf	20:11:21.346	-0.3	30.4	1.44	TAS	m_e
TANN	152.03	PKPbc	20:11:30.383	-0.1	26.0	2.10	TAS	m_e
TANN	152.03	pPKPbc	20:13:57.122	-0.2	26.8	2.39	TAS	m_e
TANN	152.03	pPKPab	20:14:07.276				T__	m_e
TNS	153.25	PKPdf	20:11:23.782		30.4	1.44	TAS	m_e
TNS	153.25	PKPbc	20:11:33.630	0.2	26.0	2.10	TAS	m_e
TNS	153.25	PKPab	20:11:53.343		26.3	4.44	TAS	m_e
UBBA	152.33	PKPdf	20:11:22.003	-0.1	30.4	1.44	TAS	m_e
UBBA	152.33	PKPbc	20:11:31.123	-0.2	26.0	2.10	TAS	m_e
UBBA	152.33	PKPab	20:11:48.671		26.3	4.44	TAS	m_e
UBBA	152.33	pPKPab	20:14:08.613				T__	m_e
UBR	155.17	PKPdf	20:11:26.050		30.4	1.44	TAS	m_e
UBR	155.17	PKPbc	20:11:37.071		26.0	2.10	TAS	m_e
WET	153.01	PKPdf	20:11:22.920		30.4	1.44	TAS	m_e
WET	153.01	PKPab	20:11:51.205		26.3	4.44	TAS	m_e
WLF	154.24	PKPbc	20:11:35.755		26.0	2.10	TAS	m_e
WLF	154.24	PKPab	20:11:57.595		26.3	4.44	TAS	m_e

Event 91130009 Albania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2019/11/30	20:53:53.20	0.47	0.84	41.3950	19.4780	17.8	10.0	28	25.0			8	159	6.23	10.74	m i ke	TIR
91130047																	

Magnitude Err Nsta Author OrigID
 ML 4.3 BGR 91130015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
DAVA	9.05		Pn	20:56:05.258	-1.7					T__				m_e	
KBA	7.19		Pn	20:55:37.202	1.3					T__				m_e	ML 4.2
MOA	7.45		Pn	20:55:41.630	-0.4					T__				m_e	ML 4.2

MOX	10.74	Pn	20:56:24.433	-0.1
OBKA	6.23	Pn	20:55:25.507	0.1
UBR	9.17	Pn	20:56:06.176	-0.1
WTTA	8.12	Pn	20:55:51.297	0.1
ZUGS	8.56	Pn	20:55:58.461	0.9

T__
T__
T__
T__
T__

m_e
m_e ML 4.3
m_e
m_e ML 4.5
m_e