

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

(produced by SZO/BGR - HANNOVER)

April 2018          UPDATED 27.March 2020

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

Event 80401001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/01	06:53:57.75			-18.0430	-177.6710				33.0			16		143.65	149.76	m i ke	BGR
OrigID 80401007																	

Magnitude Err Nsta Author          OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.40		PKPbc	07:13:42.876		15.9		2.84		TAS					m_e
BRG	145.96		PKPbc	07:13:33.543	0.5	15.9		2.84		TAS					m_e
BSEG	143.65		PKPbc	07:13:26.396	-0.9	15.9		2.84		TAS					m_e
CLL	145.74		PKPbc	07:13:32.871	0.2	15.9		2.84		TAS					m_e
CLZ	145.68		PKPbc	07:13:32.464	0.6	15.9		2.84		TAS					m_e
FLT1	145.07		PKPbc	07:13:30.849	0.6	15.9		2.84		TAS					m_e
GEC2	147.92		PKPbc	07:13:39.130		15.9		2.84		TAS					m_e
GRA1	147.62		PKPbc	07:13:38.150		15.9		2.84		TAS					m_e
GTTG	146.03		PKPbc	07:13:33.872	0.3	15.9		2.84		TAS					m_e
IBBN	145.54		PKPbc	07:13:32.630	-0.2	15.9		2.84		TAS					m_e
KAST	146.56		PKPbc	07:13:35.258	0.3	15.9		2.84		TAS					m_e
MANZ	147.18		PKPbc	07:13:36.903	0.4	15.9		2.84		TAS					m_e
NRDL	145.08		PKPbc	07:13:30.935	0.0	15.9		2.84		TAS					m_e
ROTZ	147.37		PKPbc	07:13:37.483	-0.1	15.9		2.84		TAS					m_e
RUE	144.48		PKPbc	07:13:29.022	0.0	15.9		2.84		TAS					m_e
TANN	146.70		PKPbc	07:13:35.561	0.3	15.9		2.84		TAS					m_e
TNS	147.52		PKPbc	07:13:38.171	0.4	15.9		2.84		TAS					m_e
UBR	149.76		PKPbc	07:13:43.963		15.9		2.84		TAS					m_e
WET	147.82		PKPbc	07:13:38.670		15.9		2.84		TAS					m_e
WLF	148.31		PKPbc	07:13:41.000	-0.6	15.9		2.84		TAS					m_e

Event 80401002 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/01	08:08:49.63			-19.8490	170.7680				33.0			19		143.87	147.81	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	144.04		PKPbc	08:28:18.640	-0.3	36.0		3.41		TAS					m_e
BUG	145.91		PKPbc	08:28:25.803	0.2	36.0		3.41		TAS					m_e
CLL	144.06		PKPbc	08:28:18.746	-0.1	36.0		3.41		TAS					m_e
CLZ	144.57		PKPbc	08:28:21.027	0.3	36.0		3.41		TAS					m_e
FLT1	143.87		PKPbc	08:28:18.133	-0.5	36.0		3.41		TAS					m_e
FUR	147.25		PKPbc	08:28:29.100	-2.1	36.0		3.41		TAS					m_e
GEC2	145.70		PKPbc	08:28:24.443	2.0	36.0		3.41		TAS					m_e
GRA1	146.04		PKPbc	08:28:25.484	-0.2	36.0		3.41		TAS					m_e
GTTG	144.96		PKPbc	08:28:22.307	0.2	36.0		3.41		TAS					m_e
IBBN	145.00		PKPbc	08:28:22.248	-0.3	36.0		3.41		TAS					m_e
MANZ	145.46		PKPbc	08:28:23.574	0.0	36.0		3.41		TAS					m_e
NEUB	144.62		PKPbc	08:28:20.808	-0.2	36.0		3.41		TAS					m_e
ROTZ	145.60		PKPbc	08:28:24.108	-1.1	36.0		3.41		TAS					m_e
TANN	144.98		PKPbc	08:28:21.960	-0.1	36.0		3.41		TAS					m_e
UBBA	145.56		PKPbc	08:28:23.733	0.2	36.0		3.41		TAS					m_e
WET	145.82		PKPbc	08:28:24.689	-0.6	36.0		3.41		TAS					m_e
WLF	147.81		PKPbc	08:28:30.896	1.2	36.0		3.41		TAS					m_e

Event 80401003 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/01	08:35:59.20			36.7300	42.6000				10.0			24		24.26	29.25	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	4.8		BGR	80401009
Ms	4.1		BGR	80401009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	28.87		P	08:41:55.706	-0.3	108.8		9.24		TAS		39.1	0.84	m_e mb	5.3
BFO	27.56		P	08:41:43.742		108.8		9.24		TAS		10.5	0.91	m_e mb	4.7
BRG	24.86		P	08:41:19.006	-0.3	108.8		9.24		TAS		7.3	0.76	m_e mb	4.5
BSEG	28.14		P	08:41:47.615	0.7	108.8		9.24		TAS		27.6	0.81	m_e mb	5.1
BUG	29.00		P	08:41:56.230		108.8		9.24		TAS		43.7	1.35	m_e mb	5.1
CLL	25.57		P	08:41:25.428	0.2	108.8		9.24		TAS		16.0	1.06	m_e mb	4.6

CLZ	27.30	P	08:41:41.327	-0.3	108.8	9.24	TAS	28.3	0.68	m_e	mb	5.1
FLT1	26.98	P	08:41:38.222	-0.2	108.8	9.24	TAS	14.7	0.76	m_e	mb	4.8
FUR	25.61	P	08:41:25.926		108.8	9.24	TAS	130.8	0.74	m_e	mb	5.6
GEC2	24.26	P	08:41:13.575		108.8	9.24	TAS	13.9	1.06	m_e	mb	4.4
GRA1	26.07	P	08:41:30.132		108.8	9.24	TAS	61.8	1.00	m_e	mb	5.2
GRA1	26.07	L	08:57:23.925				T__	617.4	18.20	a_e	Ms	4.2
GTTG	27.43	P	08:41:43.020	-0.0	108.8	9.24	TAS	11.6	0.81	m_e	mb	4.7
IBBN	28.97	P	08:41:56.661	-0.5	108.8	9.24	TAS	25.2	0.77	m_e	mb	5.1
KAST	28.24	P	08:41:50.101	0.3	108.8	9.24	TAS	14.0	0.93	m_e	mb	4.8
MANZ	25.62	P	08:41:26.493	-0.3	108.8	9.24	TAS	2.4	0.76	m_e	mb	3.9
MOX	26.14	P	08:41:30.784	-0.3	108.8	9.24	TAS	4.3	0.76	m_e	mb	4.2
MOX	26.14	L	08:55:09.835				T__	397.2	21.50	a_e	Ms	3.9
NEUB	26.25	P	08:41:31.872		108.8	9.24	TAS	21.9	0.69	m_e	mb	4.9
NRDL	27.69	P	08:41:45.070	0.3	108.8	9.24	TAS	13.6	0.75	m_e	mb	4.9
ROTZ	25.49	P	08:41:25.071		108.8	9.24	TAS	7.3	0.73	m_e	mb	4.5
STU	27.10	P	08:41:38.801		108.8	9.24	TAS	270.5	1.61	m_e	mb	5.7
TANN	25.56	P	08:41:25.428		108.8	9.24	TAS			m_e		
TNS	27.94	P	08:41:47.333	-0.3	108.8	9.24	TAS	11.5	0.93	m_e	mb	4.7
UBBA	27.17	P	08:41:39.951	-0.3	108.8	9.24	TAS	3.1	0.75	m_e	mb	4.1
UBR	26.26	P	08:41:31.355		108.8	9.24	TAS	20.3	0.79	m_e	mb	4.8
WET	24.87	P	08:41:19.398		108.8	9.24	TAS	15.5	0.90	m_e	mb	4.7
WLF	29.25	P	08:41:58.186		108.8	9.24	TAS	38.6	0.80	m_e	mb	5.3

Event 80402001 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/02	01:50:55.38			-20.5900	-173.9600				33.0			27		146.55	152.78	m i ke	BGR
80402007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.10		PKPbc	02:10:43.296	0.6	9.4		2.51		TAS				m_e	
ASSE	148.32		PKPbc	02:10:38.198	0.2	9.4		2.51		TAS				m_e	
BFO	152.26		PKPbc	02:10:47.318	-0.7	9.4		2.51		TAS				m_e	
BFO	152.26		PKPab	02:10:56.290	0.5	9.4		2.51		TAS				m_e	
BRG	149.14		PKPbc	02:10:40.208	0.0	9.4		2.51		TAS				m_e	
BRG	149.14		PKPab	02:10:44.910	0.5	9.4		2.51		TAS				m_e	
BSEG	146.55		PKPbc	02:10:33.294	-0.8	9.4		2.51		TAS				m_e	
BUG	149.20		PKPbc	02:10:40.065	-0.4	9.4		2.51		TAS				m_e	
CLL	148.86		PKPbc	02:10:39.562	0.1	9.4		2.51		TAS				m_e	
CLZ	148.63		PKPbc	02:10:38.844	0.1	9.4		2.51		TAS				m_e	
CLZ	148.63		PKPab	02:10:42.928	0.5	9.4		2.51		TAS				m_e	
FLT1	148.06		PKPbc	02:10:37.264	-0.1	9.4		2.51		TAS				m_e	
FUR	152.17		PKPbc	02:10:47.605	-0.1	9.4		2.51		TAS				m_e	
GEC2	151.15		PKPbc	02:10:45.164	-0.1	9.4		2.51		TAS				m_e	

GEC2	151.15	PKPab	02:10:53.126	0.5	9.4	2.51	TAS	m_e
GRA1	150.67	PKPbc	02:10:43.799	0.6	9.4	2.51	TAS	m_e
GRA1	150.67	PKPab	02:10:51.196	0.5	9.4	2.51	TAS	m_e
GTTG	148.95	PKPbc	02:10:40.208	0.6	9.4	2.51	TAS	m_e
GTTG	148.95	PKPab	02:10:43.980	0.5	9.4	2.51	TAS	m_e
IBBN	148.31	PKPbc	02:10:37.910	-0.3	9.4	2.51	TAS	m_e
IBBN	148.31	PKPab	02:10:41.567	0.5	9.4	2.51	TAS	m_e
KAST	149.39	PKPbc	02:10:40.783	-0.0	9.4	2.51	TAS	m_e
MANZ	150.27	PKPbc	02:10:43.009	0.1	9.4	2.51	TAS	m_e
MOX	149.69	PKPbc	02:10:41.788	0.3	9.4	2.51	TAS	m_e
NRDL	148.00	PKPbc	02:10:36.850	0.5	9.4	2.51	TAS	m_e
NRDL	148.00	PKPab	02:10:40.010	0.5	9.4	2.51	TAS	m_e
ROTZ	150.47	PKPbc	02:10:43.368	-0.1	9.4	2.51	TAS	m_e
RUE	147.61	PKPbc	02:10:36.043	-0.3	9.4	2.51	TAS	m_e
STU	151.77	PKPbc	02:10:46.743	0.0	9.4	2.51	TAS	m_e
STU	151.77	PKPab	02:10:54.527	0.5	9.4	2.51	TAS	m_e
TANN	149.81	PKPbc	02:10:41.788	0.0	9.4	2.51	TAS	m_e
TNS	150.37	PKPbc	02:10:43.584	0.3	9.4	2.51	TAS	m_e
TNS	150.37	PKPab	02:10:49.820	0.5	9.4	2.51	TAS	m_e
UBBA	149.67	PKPbc	02:10:41.142	-0.3	9.4	2.51	TAS	m_e
UBBA	149.67	PKPab	02:10:46.495	0.5	9.4	2.51	TAS	m_e
UBR	152.78	PKPbc	02:10:48.754	-0.5	9.4	2.51	TAS	m_e
WET	150.99	PKPbc	02:10:44.804	0.0	9.4	2.51	TAS	m_e
WLF	150.99	PKPbc	02:10:45.164	0.1	9.4	2.51	TAS	m_e

Event 80402002 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/02	09:45:53.71			32.3030	29.0460				33.0				12	20.16	24.91	m i ke	BGR
80402008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	80402008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	24.41		P	09:51:10.795	0.1	136.0		10.68		TAS		6.6	0.80	m_e mb	4.2
BFO	22.38		P	09:50:48.191	0.1	136.0		10.68		TAS		3.1	0.74	m_e mb	3.8
BRG	21.65		P	09:50:41.286	0.1	136.0		10.68		TAS		9.8	0.97	m_e mb	4.2
BUG	24.91		P	09:51:16.325		136.0		10.68		TAS		12.2	0.85	m_e mb	4.7
CLL	22.35		P	09:50:48.991		136.0		10.68		TAS				m_e	
CLZ	23.82		P	09:51:04.277	-0.4	136.0		10.68		TAS		7.7	0.81	m_e mb	4.3
FLT1	23.84		P	09:51:04.165	-0.3	136.0		10.68		TAS		4.5	0.88	m_e mb	4.0
GEC2	20.16		P	09:50:25.397		136.0		10.68		TAS		9.0	0.73	m_e mb	4.1
GRA1	21.88		P	09:50:44.163	0.1	136.0		10.68		TAS				m_e	
GTTG	23.77		P	09:51:05.064	0.7	136.0		10.68		TAS		25.5	0.79	m_e mb	4.8
KAST	24.22		P	09:51:09.109	-0.5	136.0		10.68		TAS		12.1	0.96	m_e mb	4.4

MANZ	21.70	P	09:50:42.028	136.0	10.68	TAS	6.2	1.44	m_e	mb	3.8
MOX	22.40	P	09:50:49.220	-0.3 136.0	10.68	TAS	3.2	0.80	m_e	mb	3.8
NRDL	24.41	P	09:51:10.907	0.0 136.0	10.68	TAS	4.3	0.85	m_e	mb	4.0
ROTZ	21.50	P	09:50:40.355	0.1 136.0	10.68	TAS	0.4	0.72	m_e	mb	2.9
STU	22.22	P	09:50:47.342	0.1 136.0	10.68	TAS	17.7	0.78	m_e	mb	4.6
TANN	21.88	P	09:50:44.051	0.4 136.0	10.68	TAS	5.9	0.79	m_e	mb	4.1
TNS	23.54	P	09:51:01.746	0.1 136.0	10.68	TAS	7.9	0.73	m_e	mb	4.3
UBBA	23.23	P	09:50:58.430	0.1 136.0	10.68	TAS			m_e		
UBR	21.04	P	09:50:34.724	136.0	10.68	TAS	5.1	0.80	m_e	mb	3.9
WET	20.74	P	09:50:31.690	136.0	10.68	TAS	5.2	0.82	m_e	mb	3.9

Event 80402003 Myanmar-China border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/02	11:41:58.37			23.7160	97.8750				33.0			11		68.24	73.38	m i ke	BGR
80402009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80402009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	69.97		P	11:53:06.823	0.1	76.5		6.14		TAS		2.2	0.83	m_e	mb	4.3
BFO	72.38		P	11:53:21.292		76.5		6.14		TAS		2.7	0.84	m_e	mb	4.4
BRG	68.24		P	11:52:55.296	-0.7	76.5		6.14		TAS		4.2	0.80	m_e	mb	4.7
BSEG	69.78		P	11:53:04.497	0.8	76.5		6.14		TAS		5.8	0.83	m_e	mb	4.7
CLZ	70.22		P	11:53:07.975	-1.7	76.5		6.14		TAS		6.9	0.65	m_e	mb	4.9
FLT1	69.59		P	11:53:04.056	0.5	76.5		6.14		TAS		3.0	0.86	m_e	mb	4.4
FUR	70.52		P	11:53:10.281		76.5		6.14		TAS		11.3	0.77	m_e	mb	5.1
GEC2	68.79		P	11:52:59.215		76.5		6.14		TAS		5.4	1.01	m_e	mb	4.7
GTTG	70.53		P	11:53:08.090	-0.5	76.5		6.14		TAS		3.7	0.80	m_e	mb	4.6
MANZ	69.57		P	11:53:04.035		76.5		6.14		TAS		0.4	0.84	m_e	mb	3.6
MOX	69.73		P	11:53:04.657		76.5		6.14		TAS		4.4	1.04	m_e	mb	4.5
NRDL	70.23		P	11:53:07.894	0.0	76.5		6.14		TAS		4.6	0.85	m_e	mb	4.6
ROTZ	69.55		P	11:53:04.402		76.5		6.14		TAS		1.6	0.83	m_e	mb	4.2
STU	71.71		P	11:53:17.392		76.5		6.14		TAS		22.1	0.97	m_e	mb	5.3
TANN	69.25		P	11:53:01.417	0.0	76.5		6.14		TAS		2.6	0.77	m_e	mb	4.5
TNS	71.80		P	11:53:17.697	0.0	76.5		6.14		TAS		2.9	0.76	m_e	mb	4.5
UBBA	70.69		P	11:53:10.734		76.5		6.14		TAS		1.4	0.67	m_e	mb	4.2
UBR	71.40		P	11:53:15.109		76.5		6.14		TAS		4.5	0.85	m_e	mb	4.6
WET	69.26		P	11:53:02.327		76.5		6.14		TAS		3.7	0.78	m_e	mb	4.7
WLF	73.38		P	11:53:28.064		76.5		6.14		TAS		16.2	0.90	m_e	mb	5.2

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/02	13:40:42.47			-18.8120	-62.2780				571.4	3.9		30		90.99	97.08	m i k e	BGR
	80402010																

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	80402010
MBB	6.9		BGR	80402010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	91.93		P	13:52:52.100	-0.1	245.5		4.51		TAS		248.5	1.11	m_e	MBB 7.0
ASSE	94.66		P	13:53:04.224	0.6	245.5		4.51		TAS				m_e	
BFO	91.65		P	13:52:50.606	0.7	245.5		4.51		TAS		83.7	0.71	m_e	MBB 6.8
BRG	96.03		P	13:53:10.526	-0.5	245.5		4.51		TAS		41.9	0.71	m_e	MBB 6.8
BRG	96.03		pP	13:55:14.643	-0.6					T__				m_e	
BSEG	95.22		P	13:53:06.447	0.4	245.5		4.51		TAS		126.0	1.33	m_e	MBB 6.9
BSEG	95.22		pP	13:55:11.851	-0.6					T__				m_e	
BUG	92.45		P	13:52:54.045	0.1	245.5		4.51		TAS		283.6	0.99	m_e	MBB 7.1
CLL	95.65		P	13:53:08.797	-0.6	245.5		4.51		TAS		78.8	0.78	m_e	MBB 6.9
CLZ	94.37		P	13:53:03.540	-0.1	245.5		4.51		TAS		88.1	1.09	m_e	MBB 6.7
FLT1	95.06		P	13:53:05.462	-0.0	245.5		4.51		TAS		42.5	0.90	m_e	MBB 6.8
FLT1	95.06		pP	13:55:10.687	-0.6					T__				m_e	
FUR	93.36		P	13:52:58.388		245.5		4.51		TAS		489.0	1.40	m_e	MBB 7.1
GEC2	95.11		P	13:53:06.058	-0.6	245.5		4.51		TAS		69.2	1.00	m_e	MBB 6.7
GEC2	95.11		pP	13:55:10.222	-0.6					T__				m_e	
GRA1	93.96		P	13:53:01.431	-0.2	245.5		4.51		TAS		166.6	0.88	m_e	mb 6.4
GTTG	94.01		P	13:53:01.261	-0.3	245.5		4.51		TAS		100.6	1.04	m_e	MBB 6.7
HLG	94.03		P	13:53:01.570	-0.6	245.5		4.51		TAS		167.4	0.78	m_e	MBB 7.2
IBBN	93.12		P	13:52:57.064	-1.1	245.5		4.51		TAS		365.3	0.94	m_e	MBB 7.3
KAST	92.99		P	13:52:56.447	0.5	245.5		4.51		TAS		90.1	1.02	m_e	MBB 6.8
MANZ	94.60		P	13:53:04.142		245.5		4.51		TAS		13.9	1.04	m_e	MBB 6.3
MANZ	94.60		pP	13:55:09.524	-0.6					T__				m_e	
MOX	94.58		P	13:53:03.715	0.1	245.5		4.51		TAS		55.3	0.83	m_e	MBB 6.7
NEUB	94.89		P	13:53:05.781	0.1	245.5		4.51		TAS		94.5	0.93	m_e	MBB 6.9
NRDL	94.49		P	13:53:03.848	-0.2	245.5		4.51		TAS		129.5	1.15	m_e	MBB 6.9
PLN	94.83		P	13:53:04.893	0.1	245.5		4.51		TAS		92.0	0.91	m_e	MBB 6.7
RETH	94.19		P	13:53:02.117	0.8	245.5		4.51		TAS		233.7	1.16	m_e	MBB 7.1
RGN	97.08		P	13:53:14.637	-0.6	245.5		4.51		TAS		88.6	0.88	m_e	MBB 7.1
ROTZ	94.57		P	13:53:04.046	0.3	245.5		4.51		TAS		21.6	1.07	m_e	MBB 6.3
ROTZ	94.57		pP	13:55:09.059	-0.6					T__				m_e	
RUE	96.54		P	13:53:12.532	-0.3	245.5		4.51		TAS		141.4	0.91	m_e	MBB 7.1
STU	92.36		P	13:52:53.732	0.0	245.5		4.51		TAS		623.8	0.89	m_e	MBB 7.3
TANN	94.98		P	13:53:05.856	0.0	245.5		4.51		TAS		89.0	1.08	m_e	MBB 6.9
TANN	94.98		pP	13:55:10.222	-0.6					T__				m_e	
TNS	92.57		P	13:52:54.860	0.2	245.5		4.51		TAS		191.1	1.21	m_e	MBB 7.0
UBBA	93.72		P	13:52:59.847	-0.2	245.5		4.51		TAS		38.5	0.93	m_e	MBB 6.7
UBR	92.44		P	13:52:54.549		245.5		4.51		TAS		284.3	0.75	m_e	MBB 7.2
WET	94.72		P	13:53:04.620	-0.1	245.5		4.51		TAS		141.5	1.08	m_e	MBB 6.8
WLF	90.99		P	13:52:47.809	0.1	245.5		4.51		TAS		421.9	1.12	m_e	MBB 7.2

Event 80402005 Off coast of central America

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/02	23:22:50.99			5.0770	-86.0180				72.8	5.9		11		87.58	92.59	m i ke	BGR
OrigID 80402011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80402011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.09		P	23:35:38.567		278.8		4.64		TAS		9.8	0.84	m_e mb	5.2
AHRW	88.09		pP	23:35:57.399	-0.5					T__				m_e	
BFO	89.14		P	23:35:42.816		278.8		4.64		TAS		7.0	1.03	m_e mb	4.8
BFO	89.14		pP	23:36:02.771	-0.5					T__				m_e	
BRG	92.36		P	23:35:57.205		278.8		4.64		TAS				m_e	
BSEG	89.66		P	23:35:44.220		278.8		4.64		TAS		7.8	0.94	m_e mb	4.9
BUG	88.12		P	23:35:38.142	-0.2	278.8		4.64		TAS		11.3	0.89	m_e mb	5.2
CLL	91.70		P	23:35:54.128		278.8		4.64		TAS				m_e	
CLL	91.70		pP	23:36:13.895	-0.5					T__				m_e	
CLZ	89.99		P	23:35:46.406	0.9	278.8		4.64		TAS		7.4	0.86	m_e mb	4.9
FLT1	90.45		P	23:35:48.106	-0.1	278.8		4.64		TAS		8.9	1.04	m_e mb	4.9
FLT1	90.45		pP	23:36:07.667	-0.5					T__				m_e	
GEC2	92.59		P	23:35:58.750		278.8		4.64		TAS		6.3	1.06	m_e mb	5.0
GRA1	90.84		P	23:35:51.161		278.8		4.64		TAS		20.4	1.19	m_e mb	5.3
GTTG	89.78		P	23:35:45.534	-0.5	278.8		4.64		TAS		8.7	0.84	m_e mb	5.0
GTTG	89.78		pP	23:36:05.279	-0.5					T__				m_e	
KAST	88.86		P	23:35:40.894	-0.2	278.8		4.64		TAS		7.1	0.91	m_e mb	4.9
KAST	88.86		pP	23:36:00.755	-0.5					T__				m_e	
MANZ	91.36		P	23:35:53.566		278.8		4.64		TAS		2.7	1.11	m_e mb	4.5
MOX	90.94		P	23:35:50.887		278.8		4.64		TAS		3.2	0.93	m_e mb	4.6
NRDL	89.74		P	23:35:44.822		278.8		4.64		TAS		3.5	0.86	m_e mb	4.6
ROTZ	91.46		P	23:35:54.026		278.8		4.64		TAS		2.3	1.07	m_e mb	4.4
ROTZ	91.46		pP	23:36:13.388	-0.5					T__				m_e	
STU	89.65		P	23:35:45.302		278.8		4.64		TAS				m_e	
TANN	91.51		P	23:35:54.269		278.8		4.64		TAS		12.1	1.01	m_e mb	5.2
TNS	88.99		P	23:35:42.702		278.8		4.64		TAS				m_e	
TNS	88.99		pP	23:36:01.567	-0.5					T__				m_e	
UBBA	89.90		P	23:35:46.012	-1.1	278.8		4.64		TAS				m_e	
UBBA	89.90		pP	23:36:05.649	-0.5					T__				m_e	
UBR	90.40		P	23:35:48.912		278.8		4.64		TAS		16.1	1.06	m_e mb	5.2
UBR	90.40		pP	23:36:08.120	-0.5					T__				m_e	
WET	92.00		P	23:35:56.023		278.8		4.64		TAS		23.4	1.14	m_e mb	5.4
WLF	87.58		P	23:35:35.655		278.8		4.64		TAS		8.3	0.91	m_e mb	5.1
WLF	87.58		pP	23:35:55.107	-0.5					T__				m_e	

Event 80403001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/03	04:41:12.61			-21.6600	-176.4100				609.8	11.7		25		147.37	153.51	m i ke	BGR
	80403007																

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.09		PKPbc	05:00:57.288	0.4	16.5		2.37		TAS					m_e
ASSE	149.09		PKPab	05:01:01.340	0.4	16.5		2.37		TAS					m_e
BFO	153.12		PKPbc	05:01:07.070	-0.3	16.5		2.37		TAS					m_e
BFO	153.12		PKPab	05:01:18.893	0.4	16.5		2.37		TAS					m_e
BRG	149.74		PKPbc	05:00:59.089	0.2	16.5		2.37		TAS					m_e
BRG	149.74		PKPab	05:01:04.481	0.4	16.5		2.37		TAS					m_e
BSEG	147.37		PKPbc	05:00:53.198	-0.3	16.5		2.37		TAS					m_e
BUG	150.14		PKPbc	05:01:00.217	-0.2	16.5		2.37		TAS					m_e
BUG	150.14		PKPab	05:01:04.920	0.4	16.5		2.37		TAS					m_e
CLL	149.51		PKPbc	05:00:58.128	-0.3	16.5		2.37		TAS					m_e
CLL	149.51		PKPab	05:01:03.190	0.4	16.5		2.37		TAS					m_e
CLZ	149.42		PKPbc	05:00:58.192	0.2	16.5		2.37		TAS					m_e
CLZ	149.42		pPKPbc	05:03:16.480	0.4					T__					m_e
FLT1	148.82		PKPbc	05:00:56.541	-0.3	16.5		2.37		TAS					m_e
FLT1	148.82		PKPab	05:01:00.606	0.4	16.5		2.37		TAS					m_e
FLT1	148.82		pPKPbc	05:03:14.715	0.4					T__					m_e
FUR	152.85		PKPbc	05:01:06.191		16.5		2.37		TAS					m_e
FUR	152.85		PKPab	05:01:17.788	0.4	16.5		2.37		TAS					m_e
FUR	152.85		pPKPbc	05:03:27.799	0.4					T__					m_e
GEC2	151.70		PKPbc	05:01:03.517	-0.5	16.5		2.37		TAS					m_e
GRA1	151.38		PKPbc	05:01:02.765	-0.1	16.5		2.37		TAS					m_e
GRA1	151.38		PKPab	05:01:11.622	0.4	16.5		2.37		TAS					m_e
GTTG	149.76		PKPbc	05:00:58.994	0.3	16.5		2.37		TAS					m_e
GTTG	149.76		PKPab	05:01:03.213	0.4	16.5		2.37		TAS					m_e
KAST	150.27		PKPbc	05:01:00.432	0.2	16.5		2.37		TAS					m_e
KAST	150.27		PKPab	05:01:05.570	0.4	16.5		2.37		TAS					m_e
MANZ	150.94		PKPbc	05:01:01.804	0.0	16.5		2.37		TAS					m_e
MANZ	150.94		PKPab	05:01:09.692	0.4	16.5		2.37		TAS					m_e
MOX	150.39		PKPbc	05:01:00.593	0.1	16.5		2.37		TAS					m_e
MOX	150.39		PKPab	05:01:06.991	0.4	16.5		2.37		TAS					m_e
NEUB	149.84		PKPbc	05:00:59.089	-0.1	16.5		2.37		TAS					m_e
NRDL	148.81		PKPbc	05:00:56.624	-0.3	16.5		2.37		TAS					m_e
NRDL	148.81		PKPab	05:01:00.405	0.4	16.5		2.37		TAS					m_e
ROTZ	151.13		PKPbc	05:01:02.389	0.1	16.5		2.37		TAS					m_e
ROTZ	151.13		PKPab	05:01:10.355	0.4	16.5		2.37		TAS					m_e
STU	152.58		PKPbc	05:01:05.633	-0.1	16.5		2.37		TAS					m_e
TANN	150.46		PKPbc	05:01:00.676	0.0	16.5		2.37		TAS					m_e



TNS	151.24	PKPbc	05:01:02.838	0.4	16.5	2.37	TAS	m_e
UBBA	150.47	PKPbc	05:01:00.802	0.0	16.5	2.37	TAS	m_e
UBBA	150.47	PKPab	05:01:06.489	0.4	16.5	2.37	TAS	m_e
UBR	153.51	PKPbc	05:01:07.611		16.5	2.37	TAS	m_e
WET	151.59	PKPbc	05:01:03.239	-0.3	16.5	2.37	TAS	m_e
WET	151.59	PKPab	05:01:12.305	0.4	16.5	2.37	TAS	m_e
WLF	151.98	PKPbc	05:01:05.078	-0.1	16.5	2.37	TAS	m_e

Event 80403002 Kyrgyzstan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/03	08:14:54.47			40.3400	72.8510				19.3	1.7		20		41.50	46.64	m i ke	BGR
OrigID 80403008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80403008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	45.85		P	08:23:12.212	-0.3	78.0		8.07		TAS		5.9	0.83	m_e mb	4.7
AHRW	45.85		sP	08:23:19.643	-0.0					T__				m_e	
BFO	45.60		P	08:23:10.516	-0.1	78.0		8.07		TAS		5.2	0.81	m_e mb	4.6
BFO	45.60		sP	08:23:17.472	-0.0					T__				m_e	
BRG	41.50		P	08:22:37.148	-0.4	78.0		8.07		TAS		8.9	0.69	m_e mb	4.6
BRG	41.50		sP	08:22:45.082	-0.0					T__				m_e	
BSEG	43.24		P	08:22:50.913	0.6	78.0		8.07		TAS		16.4	0.69	m_e mb	4.9
BSEG	43.24		sP	08:22:58.835	-0.0					T__				m_e	
CLL	42.02		P	08:22:41.378	-0.2	78.0		8.07		TAS		9.9	0.70	m_e mb	4.7
CLL	42.02		sP	08:22:48.771	-0.0					T__				m_e	
CLZ	43.55		P	08:22:53.692	-0.0	78.0		8.07		TAS		5.2	0.67	m_e mb	4.4
CLZ	43.55		sP	08:23:01.415	-0.0					T__				m_e	
FLT1	42.94		P	08:22:48.256	-0.4	78.0		8.07		TAS		14.6	0.71	m_e mb	4.8
FLT1	42.94		sP	08:22:56.029	-0.0					T__				m_e	
GEC2	42.01		P	08:22:41.931	0.6	78.0		8.07		TAS		9.2	0.64	m_e mb	4.7
GEC2	42.01		sP	08:22:49.331	-0.0					T__				m_e	
GRA1	43.43		P	08:22:53.305	0.1	78.0		8.07		TAS		19.7	0.68	m_e mb	5.0
GTTG	43.85		P	08:22:56.294	0.0	78.0		8.07		TAS		20.4	0.74	m_e mb	4.9
GTTG	43.85		sP	08:23:03.854	-0.0					T__				m_e	
MANZ	42.81		P	08:22:48.210	0.1	78.0		8.07		TAS		0.8	0.68	m_e mb	3.6
MANZ	42.81		sP	08:22:55.799	-0.0					T__				m_e	
MOX	43.00		P	08:22:49.473	-0.1	78.0		8.07		TAS		4.5	0.78	m_e mb	4.3
NEUB	42.80		P	08:22:47.594	-0.3	78.0		8.07		TAS		12.9	0.70	m_e mb	4.8
NEUB	42.80		sP	08:22:55.028	-0.0					T__				m_e	
NRDL	43.59		P	08:22:54.158	0.3	78.0		8.07		TAS		11.2	0.77	m_e mb	4.7
NRDL	43.59		sP	08:23:01.882	-0.0					T__				m_e	
ROTZ	42.79		P	08:22:48.024	0.0	78.0		8.07		TAS				m_e	
TANN	42.51		P	08:22:45.470	-0.2	78.0		8.07		TAS		3.6	0.79	m_e mb	4.2

TANN	42.51	sP	08:22:53.084	-0.0						T__						m_e
UBBA	43.97	P	08:22:57.172	-0.2	78.0		8.07			TAS	3.6	0.66	m_e	mb		4.2
UBBA	43.97	sP	08:23:04.032	-0.0						T__						m_e
UBR	44.62	P	08:23:02.447	-0.0	78.0		8.07			TAS	11.9	0.77	m_e	mb		4.9
UBR	44.62	sP	08:23:10.005	-0.0						T__						m_e
WET	42.49	P	08:22:45.731	0.2	78.0		8.07			TAS	4.6	0.84	m_e	mb		4.2
WET	42.49	sP	08:22:53.419	-0.0						T__						m_e
WLF	46.64	P	08:23:19.263	0.2	78.0		8.07			TAS						m_e
WLF	46.64	sP	08:23:26.389	-0.0						T__						m_e

Event 80403003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/03	18:54:47.87			-21.3800	-176.1800				33.0			17		147.12	152.87	m i ke	BGR
80403009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	152.87		PKPbc	19:14:42.336		15.0		2.60		TAS					m_e
BFO	152.87		PKPab	19:14:52.354	-0.2	15.0		2.60		TAS					m_e
BRG	149.51		PKPbc	19:14:33.542		15.0		2.60		TAS					m_e
BRG	149.51		PKPab	19:14:39.089	-0.2	15.0		2.60		TAS					m_e
BSEG	147.12		PKPbc	19:14:27.237	-0.2	15.0		2.60		TAS					m_e
BSEG	147.12		PKPab	19:14:29.645	-0.2	15.0		2.60		TAS					m_e
CLL	149.28		PKPbc	19:14:32.935	-0.2	15.0		2.60		TAS					m_e
CLL	149.28		PKPab	19:14:37.630	-0.2	15.0		2.60		TAS					m_e
CLZ	149.17		PKPbc	19:14:32.576		15.0		2.60		TAS					m_e
CLZ	149.17		PKPab	19:14:37.564	-0.2	15.0		2.60		TAS					m_e
FLT1	148.58		PKPbc	19:14:31.031		15.0		2.60		TAS					m_e
FLT1	148.58		PKPab	19:14:34.772	-0.2	15.0		2.60		TAS					m_e
GEC2	151.48		PKPbc	19:14:38.478		15.0		2.60		TAS					m_e
GEC2	151.48		PKPab	19:14:46.905	-0.2	15.0		2.60		TAS					m_e
IBBN	148.98		PKPbc	19:14:32.393		15.0		2.60		TAS					m_e
IBBN	148.98		PKPab	19:14:36.650	-0.2	15.0		2.60		TAS					m_e
KAST	150.02		PKPbc	19:14:35.010		15.0		2.60		TAS					m_e
KAST	150.02		PKPab	19:14:39.912	-0.2	15.0		2.60		TAS					m_e
MANZ	150.71		PKPbc	19:14:36.504		15.0		2.60		TAS					m_e
MANZ	150.71		PKPab	19:14:44.023	-0.2	15.0		2.60		TAS					m_e
MOX	150.16		PKPbc	19:14:35.147		15.0		2.60		TAS					m_e
MOX	150.16		PKPab	19:14:41.209	-0.2	15.0		2.60		TAS					m_e
NEUB	149.60		PKPbc	19:14:33.746		15.0		2.60		TAS					m_e
NEUB	149.60		PKPab	19:14:39.077	-0.2	15.0		2.60		TAS					m_e
NRDL	148.56		PKPbc	19:14:30.825		15.0		2.60		TAS					m_e
NRDL	148.56		PKPab	19:14:34.480	-0.2	15.0		2.60		TAS					m_e
TANN	150.23		PKPbc	19:14:35.532		15.0		2.60		TAS					m_e

TNS	150.99	PKPbc	19:14:37.355	15.0	2.60	TAS	m_e
TNS	150.99	PKPab	19:14:44.836	-0.2 15.0	2.60	TAS	m_e
WET	151.37	PKPbc	19:14:38.097	15.0	2.60	TAS	m_e
WET	151.37	PKPab	19:14:46.180	-0.2 15.0	2.60	TAS	m_e
WLF	151.72	PKPbc	19:14:39.941	15.0	2.60	TAS	m_e
WLF	151.72	PKPab	19:14:47.723	-0.2 15.0	2.60	TAS	m_e

Event 80404001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/03	18:54:47.87			-21.3800	-176.1800				33.0		26		147.12	153.28	m i ke	BGR
80404007																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.78		PKPbc	00:42:19.524	0.3	15.9		2.47		TAS					m_e
BFO	152.87		PKPbc	00:42:23.896	-0.3	15.9		2.47		TAS					m_e
BRG	149.51		PKPbc	00:42:15.898	-0.1	15.9		2.47		TAS					m_e
BSEG	147.12		PKPbc	00:42:09.650	-0.3	15.9		2.47		TAS					m_e
BUG	149.88		PKPbc	00:42:17.072	0.1	15.9		2.47		TAS					m_e
CLL	149.28		PKPbc	00:42:15.181	0.2	15.9		2.47		TAS					m_e
CLZ	149.17		PKPbc	00:42:14.807	0.2	15.9		2.47		TAS					m_e
FLT1	148.58		PKPbc	00:42:13.112	-0.3	15.9		2.47		TAS					m_e
FUR	152.61		PKPbc	00:42:23.021	-0.4	15.9		2.47		TAS					m_e
GEC2	151.48		PKPbc	00:42:20.554	-0.1	15.9		2.47		TAS					m_e
GRA1	151.14		PKPbc	00:42:19.798	-0.2	15.9		2.47		TAS					m_e
GTTG	149.51		PKPbc	00:42:15.643		15.9		2.47		TAS					m_e
IBBN	148.98		PKPbc	00:42:14.585	-0.2	15.9		2.47		TAS					m_e
KAST	150.02		PKPbc	00:42:17.450	0.2	15.9		2.47		TAS					m_e
MANZ	150.71		PKPbc	00:42:18.843	0.0	15.9		2.47		TAS					m_e
MOX	150.16		PKPbc	00:42:17.405	0.5	15.9		2.47		TAS					m_e
NRDL	148.56		PKPbc	00:42:13.391	-0.1	15.9		2.47		TAS					m_e
ROTZ	150.90		PKPbc	00:42:19.121	0.3	15.9		2.47		TAS					m_e
RUE	148.02		PKPbc	00:42:11.839	-0.1	15.9		2.47		TAS					m_e
STU	152.33		PKPbc	00:42:22.663	-0.3	15.9		2.47		TAS					m_e
TANN	150.23		PKPbc	00:42:17.625	0.3	15.9		2.47		TAS					m_e
TNS	150.99		PKPbc	00:42:19.858	0.2	15.9		2.47		TAS					m_e
UBBA	150.22		PKPbc	00:42:17.490	0.3	15.9		2.47		TAS					m_e
UBR	153.28		PKPbc	00:42:24.613		15.9		2.47		TAS					m_e
WET	151.37		PKPbc	00:42:20.116	-0.0	15.9		2.47		TAS					m_e
WLF	151.72		PKPbc	00:42:22.066	0.3	15.9		2.47		TAS					m_e

Event 80404002 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/04	00:49:59.51			-16.9790	179.7420				33.0				25	142.21	147.95	m i ke	BGR
80404008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	143.88		PKPab	01:09:25.702	-0.1	19.9		4.38		TAS					m_e
BFO	147.95		PKPab	01:09:43.651	0.0	19.9		4.38		TAS					m_e
BRG	144.32		PKPab	01:09:27.623	-0.1	19.9		4.38		TAS					m_e
BSEG	142.21		PKPab	01:09:18.677	0.1	19.9		4.38		TAS					m_e
BUG	145.10		PKPab	01:09:31.340	-0.7	19.9		4.38		TAS					m_e
CLL	144.15		PKPab	01:09:26.800	-0.1	19.9		4.38		TAS					m_e
CLZ	144.21		PKPab	01:09:27.237	0.4	19.9		4.38		TAS					m_e
FLT1	143.57		PKPab	01:09:24.385	-0.0	19.9		4.38		TAS					m_e
FUR	147.49		PKPab	01:09:41.949	0.4	19.9		4.38		TAS					m_e
GEC2	146.24		PKPab	01:09:35.637	-0.6	19.9		4.38		TAS					m_e
GRA1	146.07		PKPab	01:09:35.363	0.3	19.9		4.38		TAS					m_e
GTTG	144.56		PKPab	01:09:28.996	0.2	19.9		4.38		TAS					m_e
IBBN	144.19		PKPab	01:09:27.514	0.0	19.9		4.38		TAS					m_e
KAST	145.16		PKPab	01:09:31.466	-0.1	19.9		4.38		TAS					m_e
MANZ	145.59		PKPab	01:09:33.277	0.1	19.9		4.38		TAS					m_e
MOX	145.09		PKPab	01:09:30.807	-0.2	19.9		4.38		TAS					m_e
NEUB	144.54		PKPab	01:09:28.666	0.1	19.9		4.38		TAS					m_e
NRDL	143.63		PKPab	01:09:24.942	0.3	19.9		4.38		TAS					m_e
ROTZ	145.78		PKPab	01:09:34.100	0.1	19.9		4.38		TAS					m_e
STU	147.37		PKPab	01:09:41.346	0.3	19.9		4.38		TAS					m_e
TANN	145.11		PKPab	01:09:31.191	0.1	19.9		4.38		TAS					m_e
TNS	146.10		PKPab	01:09:35.527	-0.1	19.9		4.38		TAS					m_e
UBBA	145.25		PKPab	01:09:31.521	-0.3	19.9		4.38		TAS					m_e
WET	146.19		PKPab	01:09:35.857	-0.0	19.9		4.38		TAS					m_e
WLF	146.99		PKPab	01:09:40.037	-0.0	19.9		4.38		TAS					m_e

Event 80404003 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/04	00:58:40.74			-17.4980	177.6450				33.0				19	142.33	148.03	m i	BGR
80404009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.03		PKPab	01:18:25.734	0.2	23.6		4.57		TAS					m_e
BRG	144.25		PKPab	01:18:08.085	-0.2	23.6		4.57		TAS					m_e

BSEG	142.33	PKPab	01:17:59.843	0.3	23.6	4.57	TAS	m_e
CLL	144.12	PKPab	01:18:07.684	0.1	23.6	4.57	TAS	m_e
CLZ	144.28	PKPab	01:18:08.598	0.1	23.6	4.57	TAS	m_e
FLT1	143.63	PKPab	01:18:05.289	-0.1	23.6	4.57	TAS	m_e
FUR	147.45	PKPab	01:18:22.776	0.2	23.6	4.57	TAS	m_e
GEC2	146.12	PKPab	01:18:16.788	-0.2	23.6	4.57	TAS	m_e
GRA1	146.07	PKPab	01:18:16.589	0.1	23.6	4.57	TAS	m_e
GTTG	144.65	PKPab	01:18:10.168	0.0	23.6	4.57	TAS	m_e
IBBN	144.36	PKPab	01:18:09.107	-0.1	23.6	4.57	TAS	m_e
KAST	145.29	PKPab	01:18:12.962	-0.3	23.6	4.57	TAS	m_e
MOX	145.09	PKPab	01:18:12.096	0.1	23.6	4.57	TAS	m_e
NRDL	143.73	PKPab	01:18:05.994	0.1	23.6	4.57	TAS	m_e
ROTZ	145.73	PKPab	01:18:15.210	0.2	23.6	4.57	TAS	m_e
TANN	145.08	PKPab	01:18:11.565	-0.4	23.6	4.57	TAS	m_e
TNS	146.22	PKPab	01:18:17.174	-0.2	23.6	4.57	TAS	m_e
UBBA	145.32	PKPab	01:18:13.124	-0.0	23.6	4.57	TAS	m_e
WET	146.10	PKPab	01:18:16.946	0.2	23.6	4.57	TAS	m_e

Event 80404004 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/04	02:19:41.79	0.98	0.83	42.4970	13.4050	15.6	11.1	152	10.0			19	305	4.09	8.24	m i ke	BGR
80404010																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	80404010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.99		Pn	02:20:54.859	-0.1					T__				m_e	ML 4.0
BALST	6.31		Pn	02:21:11.919	-0.8					T__				m_e	
BFO	6.84		Pn	02:21:19.727	-0.1					T__				m_e	
DAVA	5.40		Pn	02:21:00.820	0.3					T__				m_e	
GEC2	6.35		Sn	02:22:19.613	-0.3					T__				m_e	
GEC2	6.35		Pn	02:21:13.639	0.3					T__				m_e	ML 4.2
GRA1	7.35		Pn	02:21:27.934	1.1					T__				m_e	
KBA	4.58		Pn	02:20:48.936	-0.5					T__				m_e	ML 4.3
MANZ	7.54		Pn	02:21:30.438	1.1					T__				m_e	
MOA	5.39		Sn	02:21:57.430	0.1					T__				m_e	
MOA	5.39		Pn	02:21:00.289	-0.0					T__				m_e	ML 4.0
MOX	8.24		Pn	02:21:39.014	0.2					T__				m_e	
OBER	5.38		Pn	02:21:02.208	1.9					T__				m_e	
OBKA	4.09		Pn	02:20:42.757	-0.1					T__				m_e	ML 4.5
PLONS	5.38		Pn	02:21:00.817	0.6					T__				m_e	ML 3.9
ROTZ	7.32		Pn	02:21:24.742	-1.6					T__				m_e	
SLE	6.31		Pn	02:21:11.226	-1.5					T__				m_e	
UBR	5.68		Pn	02:21:05.239	0.9					T__				m_e	ML 4.3

WET	6.66	Pn	02:21:16.484	-1.0	T__	m_e ML	4.1
WILA	5.86	Sn	02:22:08.371	-0.1	T__	m_e	
WILA	5.86	Pn	02:21:05.975	-0.7	T__	m_e ML	4.4
WTTA	4.93	Pn	02:20:54.533	0.4	T__	m_e ML	4.4

Event 80404005 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/04	15:21:51.27			29.2230	91.1990				33.0			6	60.14	65.28	m i ke	BGR
OrigID 80404011																

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	80404011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	64.27		P	15:32:22.178		76.9		6.73		TAS				m_e	
BRG	60.14		P	15:31:55.101		76.9		6.73		TAS		3.7	0.76	m_e mb	4.5
CLL	60.64		P	15:31:58.213		76.9		6.73		TAS		2.8	0.75	m_e mb	4.2
CLZ	62.14		P	15:32:08.702		76.9		6.73		TAS		6.0	0.76	m_e mb	4.9
FLT1	61.51		P	15:32:03.796		76.9		6.73		TAS		2.4	0.73	m_e mb	4.5
GEC2	60.68		P	15:31:59.020		76.9		6.73		TAS		4.2	0.89	m_e mb	4.3
GRA1	62.09		P	15:32:08.103		76.9		6.73		TAS				m_e	
MANZ	61.46		P	15:32:04.248		76.9		6.73		TAS		0.4	0.72	m_e mb	3.3
MOX	61.63		P	15:32:05.508		76.9		6.73		TAS		6.1	1.19	m_e mb	4.7
NRDL	62.15		P	15:32:08.661		76.9		6.73		TAS		5.5	0.96	m_e mb	4.8
ROTZ	61.45		P	15:32:04.668		76.9		6.73		TAS		1.7	0.79	m_e mb	3.9
TANN	61.15		P	15:32:01.769		76.9		6.73		TAS		2.4	0.71	m_e mb	4.1
TNS	63.70		P	15:32:18.379		76.9		6.73		TAS		3.2	0.82	m_e mb	4.6
UBBA	62.59		P	15:32:11.825		76.9		6.73		TAS				m_e	
WET	61.15		P	15:32:01.844		76.9		6.73		TAS		3.2	0.91	m_e mb	4.2
WLF	65.28		P	15:32:28.936		76.9		6.73		TAS		7.7	0.83	m_e mb	5.0

Event 80405001 Philippine Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/05	03:54:47.84			16.5920	118.6270				33.0				88.31	88.31	m i ke	BGR
OrigID 80405007																

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80405007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.31		P	04:07:35.678		69.4		4.27		TAS		37.4	1.38	m_e mb	5.5

Event 80405002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/05	09:07:00.76			-19.3800	-175.0100				519.8	3.5		28		145.26	151.47	m i ke	BGR
80405008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.86		PKPdf	09:26:42.701		9.8		2.89		TAS					m_e
AHRW	148.86		PKPbc	09:26:44.925		9.8		2.89		TAS					m_e
ASSE	147.02		PKPbc	09:26:39.408		9.8		2.89		TAS					m_e
BFO	151.00		PKPbc	09:26:50.736		9.8		2.89		TAS					m_e
BFO	151.00		pPKPbc	09:28:51.568						T__					m_e
BRG	147.78		PKPdf	09:26:39.816		9.8		2.89		TAS					m_e
BRG	147.78		PKPbc	09:26:41.801	0.0	9.8		2.89		TAS					m_e
BSEG	145.26		PKPbc	09:26:34.157	-0.4	9.8		2.89		TAS					m_e
BUG	147.96		PKPbc	09:26:42.481		9.8		2.89		TAS					m_e
BUG	147.96		pPKPbc	09:28:42.731						T__					m_e
CLL	147.52		PKPbc	09:26:40.925	0.5	9.8		2.89		TAS					m_e
CLZ	147.33		PKPbc	09:26:40.452		9.8		2.89		TAS					m_e
FLT1	146.75		PKPbc	09:26:38.499	-0.0	9.8		2.89		TAS					m_e
FUR	150.84		PKPbc	09:26:50.046		9.8		2.89		TAS					m_e
GEC2	149.78		PKPbc	09:26:47.386		9.8		2.89		TAS					m_e
GRA1	149.35		PKPdf	09:26:42.273		9.8		2.89		TAS					m_e
GRA1	149.35		PKPbc	09:26:45.575		9.8		2.89		TAS					m_e
GTTG	147.66		PKPbc	09:26:41.622		9.8		2.89		TAS					m_e
IBBN	147.07		PKPbc	09:26:39.708		9.8		2.89		TAS					m_e
KAST	148.13		PKPdf	09:26:40.924		9.8		2.89		TAS					m_e
KAST	148.13		PKPbc	09:26:42.541		9.8		2.89		TAS					m_e
MANZ	148.94		PKPdf	09:26:41.828		9.8		2.89		TAS					m_e
MANZ	148.94		PKPbc	09:26:44.861		9.8		2.89		TAS					m_e
MANZ	148.94		pPKPbc	09:28:45.625						T__					m_e
MOX	148.36		PKPdf	09:26:40.852		9.8		2.89		TAS					m_e
MOX	148.36		PKPbc	09:26:43.345		9.8		2.89		TAS					m_e
MOX	148.36		pPKPbc	09:28:43.174						T__					m_e
NEUB	147.80		PKPbc	09:26:41.397		9.8		2.89		TAS					m_e
NRDL	146.71		PKPbc	09:26:38.400		9.8		2.89		TAS					m_e
ROTZ	149.14		PKPdf	09:26:42.218		9.8		2.89		TAS					m_e
ROTZ	149.14		PKPbc	09:26:45.520		9.8		2.89		TAS					m_e
ROTZ	149.14		pPKPbc	09:28:45.973						T__					m_e
RUE	146.26		PKPbc	09:26:37.286	-0.1	9.8		2.89		TAS					m_e
STU	150.48		PKPdf	09:26:44.542		9.8		2.89		TAS					m_e
STU	150.48		PKPbc	09:26:49.327		9.8		2.89		TAS					m_e
TANN	148.47		PKPdf	09:26:41.240		9.8		2.89		TAS					m_e

TANN	148.47	PKPbc	09:26:44.025	9.8	2.89	TAS	m_e
TANN	148.47	pPKPbc	09:28:44.296			T__	m_e
TNS	149.10	PKPdf	09:26:42.848	9.8	2.89	TAS	m_e
TNS	149.10	PKPbc	09:26:45.746	9.8	2.89	TAS	m_e
UBBA	148.38	PKPdf	09:26:40.993	9.8	2.89	TAS	m_e
UBBA	148.38	PKPbc	09:26:43.015	9.8	2.89	TAS	m_e
UBBA	148.38	pPKPbc	09:28:43.425			T__	m_e
UBR	151.47	PKPdf	09:26:46.080	9.8	2.89	TAS	m_e
UBR	151.47	PKPbc	09:26:51.708	9.8	2.89	TAS	m_e
UBR	151.47	pPKPbc	09:28:52.843			T__	m_e
WET	149.63	PKPdf	09:26:43.098	9.8	2.89	TAS	m_e
WET	149.63	PKPbc	09:26:47.074	9.8	2.89	TAS	m_e
WET	149.63	pPKPbc	09:28:48.016			T__	m_e
WLF	149.77	PKPbc	09:26:47.671	9.8	2.89	TAS	m_e
WLF	149.77	pPKPbc	09:28:47.947			T__	m_e

Event 80405003 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/05	15:08:11.68			40.8050	85.7080				33.0			12		49.15	54.25	m i ke	BGR
80405009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80405009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	53.45		P	15:17:26.578		69.8		7.52		TAS		12.4	1.12	m_e mb	4.7
BRG	49.15		P	15:16:54.031	-0.3	69.8		7.52		TAS				m_e	
BUG	52.92		P	15:17:23.536	-3.0	69.8		7.52		TAS		10.8	0.89	m_e mb	4.8
FUR	51.69		P	15:17:14.742	-3.0	69.8		7.52		TAS		23.0	0.92	m_e mb	5.1
GEC2	49.94		P	15:17:00.795		69.8		7.52		TAS		2.6	0.87	m_e mb	4.2
GRA1	51.18		P	15:17:10.650	-3.0	69.8		7.52		TAS		12.0	0.94	m_e mb	4.8
GTTG	51.31		P	15:17:10.921	0.1	69.8		7.52		TAS		24.3	0.99	m_e mb	5.1
MANZ	50.54		P	15:17:05.378	0.3	69.8		7.52		TAS		0.7	0.88	m_e mb	3.6
MOX	50.62		P	15:17:05.596	0.0	69.8		7.52		TAS		11.1	1.16	m_e mb	4.7
NEUB	50.35		P	15:17:03.894	-0.8	69.8		7.52		TAS		22.8	1.02	m_e mb	5.1
NRDL	50.91		P	15:17:07.953	0.3	69.8		7.52		TAS		15.3	1.00	m_e mb	4.9
ROTZ	50.55		P	15:17:05.640	0.1	69.8		7.52		TAS		1.5	1.03	m_e mb	3.9
STU	52.75		P	15:17:21.574	-3.0	69.8		7.52		TAS				m_e	
TANN	50.19		P	15:17:02.672	0.2	69.8		7.52		TAS		7.0	1.04	m_e mb	4.5
UBR	52.60		P	15:17:21.012		69.8		7.52		TAS		28.7	1.09	m_e mb	5.1
WET	50.35		P	15:17:04.199		69.8		7.52		TAS		7.2	1.07	m_e mb	4.5
WLF	54.25		P	15:17:33.033	-3.0	69.8		7.52		TAS		6.3	0.90	m_e mb	4.6



Event 80405004 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/05	19:25:01.59			-19.2390	172.2980				33.0				11	144.02	148.21	m i ke	BGR
OrigID 80405010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.63		PKPbc	19:44:40.443		33.2		3.23		TAS					m_e
BFO	148.21		PKPbc	19:44:44.345		33.2		3.23		TAS					m_e
BUG	145.76		PKPbc	19:44:37.271		33.2		3.23		TAS					m_e
GEC2	145.79		PKPbc	19:44:37.013		33.2		3.23		TAS					m_e
GRA1	146.05		PKPbc	19:44:37.452		33.2		3.23		TAS					m_e
GTTG	144.89		PKPbc	19:44:34.199	0.3	33.2		3.23		TAS					m_e
IBBN	144.85		PKPbc	19:44:34.506	0.3	33.2		3.23		TAS					m_e
KAST	145.66		PKPbc	19:44:36.916		33.2		3.23		TAS					m_e
MANZ	145.48		PKPbc	19:44:36.212	-0.7	33.2		3.23		TAS					m_e
MOX	145.11		PKPbc	19:44:34.748		33.2		3.23		TAS					m_e
NRDL	144.02		PKPbc	19:44:30.182	-1.3	33.2		3.23		TAS					m_e
ROTZ	145.63		PKPbc	19:44:36.261		33.2		3.23		TAS					m_e
TANN	145.00		PKPbc	19:44:34.757	-0.1	33.2		3.23		TAS					m_e
TNS	146.51		PKPbc	19:44:39.784		33.2		3.23		TAS					m_e
UBBA	145.50		PKPbc	19:44:36.146		33.2		3.23		TAS					m_e
UBR	148.14		PKPbc	19:44:43.906		33.2		3.23		TAS					m_e
WET	145.88		PKPbc	19:44:37.079		33.2		3.23		TAS					m_e
WLF	147.68		PKPbc	19:44:43.516		33.2		3.23		TAS					m_e

Event 80406006 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/06	16:13:12.80			52.9600	157.4100				33.0				19	70.01	74.00	m i ke	BGR
OrigID 80406012																	

Magnitude Err Nsta Author OrigID

mb 4.9 BGR 80406012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.88		P	16:24:44.780		20.8		5.99		TAS		12.9	1.14	m_e mb	4.9
BRG	72.06		P	16:24:33.697	0.0	20.8		5.99		TAS		4.2	0.55	m_e mb	4.8
BSEG	70.01		P	16:24:21.952	-0.5	20.8		5.99		TAS		15.1	0.93	m_e mb	5.1
BUG	72.98		P	16:24:39.412	-0.1	20.8		5.99		TAS		13.9	0.86	m_e mb	5.1
CLZ	71.97		P	16:24:33.908	-0.0	20.8		5.99		TAS		20.9	0.88	a_e mb	5.3
FLT1	71.32		P	16:24:29.108	-0.3	20.8		5.99		TAS		13.8	0.73	m_e mb	5.2
GEC2	74.00		P	16:24:45.470		20.8		5.99		TAS		8.6	0.64	m_e mb	4.9

GRA1	73.80	P	16:24:44.676		20.8	5.99	TAS	14.5	0.81	m_e	mb	5.1
GTTG	72.33	P	16:24:35.820	0.1	20.8	5.99	TAS	7.8	0.70	m_e	mb	4.9
KAST	72.98	P	16:24:39.562	0.3	20.8	5.99	TAS	10.1	0.93	m_e	mb	4.9
MANZ	73.32	P	16:24:41.445		20.8	5.99	TAS	1.5	0.86	m_e	mb	4.1
MOX	72.81	P	16:24:38.441	0.2	20.8	5.99	TAS	12.7	1.09	m_e	mb	5.0
NRDL	71.41	P	16:24:30.027	-0.1	20.8	5.99	TAS	14.1	0.92	m_e	mb	5.1
PLN	72.84	P	16:24:38.658	-0.2	20.8	5.99	TAS	8.3	1.00	a_e	mb	4.8
RETH	71.34	P	16:24:29.817	0.2	20.8	5.99	TAS	9.2	0.88	m_e	mb	4.9
ROTZ	73.50	P	16:24:42.736		20.8	5.99	TAS	2.3	1.01	m_e	mb	4.3
TANN	72.83	P	16:24:38.609	-0.1	20.8	5.99	TAS	19.3	1.56	m_e	mb	5.0
TNS	73.90	P	16:24:44.875		20.8	5.99	TAS	12.6	0.91	m_e	mb	4.9
WET	73.92	P	16:24:45.408		20.8	5.99	TAS	9.8	0.75	a_e	mb	4.9

Event 80407002 New Guinea, Papua New Guinea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/07	05:48:41.10			-5.8400	142.5500				29.0			27		118.13	122.57	m i ke	EMSC
	80407034																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.8		BGR	80407008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	122.03		PKPdf	06:07:33.745		60.4		1.91		TAS					m_e
AHRW	122.03		pPKPdf	06:07:39.015		60.6		1.90		TAS					m_e
ASSE	119.27		PKPdf	06:07:28.168	0.1	60.4		1.91		TAS					m_e
ASSE	119.27		pPKPdf	06:07:33.401	0.1	60.6		1.90		TAS					m_e
BFO	122.57		PKPdf	06:07:34.158		60.4		1.91		TAS					m_e
BFO	122.57		pPKPdf	06:07:39.375		60.6		1.90		TAS					m_e
BRG	118.13		PKPdf	06:07:25.985	0.1	60.4		1.91		TAS					m_e
BRG	118.13		pPKPdf	06:07:31.276	0.1	60.6		1.90		TAS					m_e
BSEG	118.48		PKPdf	06:07:26.867	-0.4	60.4		1.91		TAS					m_e
BSEG	118.48		pPKPdf	06:07:31.989	-0.3	60.6		1.90		TAS					m_e
BUG	121.42		PKPdf	06:07:32.337	0.2	60.4		1.91		TAS					m_e
BUG	121.42		pPKPdf	06:07:37.515	-0.2	60.6		1.90		TAS					m_e
CLZ	119.58		PKPdf	06:07:29.033	-0.1	60.4		1.91		TAS					m_e
CLZ	119.58		pPKPdf	06:07:34.401	0.3	60.6		1.90		TAS					m_e
FLT1	118.87		PKPdf	06:07:27.108	0.0	60.4		1.91		TAS					m_e
FLT1	118.87		pPKPdf	06:07:32.518	-0.0	60.6		1.90		TAS					m_e
FUR	120.96		PKPdf	06:07:31.439	-0.1	60.4		1.91		TAS					m_e
FUR	120.96		pPKPdf	06:07:36.656	0.1	60.6		1.90		TAS					m_e
GEC2	119.22		PKPdf	06:07:28.190	-0.1	60.4		1.91		TAS					m_e
GEC2	119.22		pPKPdf	06:07:33.306	-0.2	60.6		1.90		TAS					m_e
GOR1	118.49		PKPdf	06:07:26.895	-0.1	60.4		1.91		TAS					m_e
GOR1	118.49		pPKPdf	06:07:32.228	-0.1	60.6		1.90		TAS					m_e
GRA1	120.23		PKPdf	06:07:30.156	0.1	60.4		1.91		TAS					m_e

GRA1	120.23	pPKPdf	06:07:35.364	-0.1	60.6	1.90	TAS										m_e
GRA1	120.23	L	07:01:08.750				T__	2513.6	20.70	a_e	Ms						5.8
GTTG	119.96	PKPdf	06:07:29.828	0.1	60.4	1.91	TAS										m_e
GTTG	119.96	pPKPdf	06:07:35.050	0.1	60.6	1.90	TAS										m_e
IBBN	120.67	PKPdf	06:07:31.125	-0.1	60.4	1.91	TAS										m_e
IBBN	120.67	pPKPdf	06:07:36.466	-0.2	60.6	1.90	TAS										m_e
KAST	120.96	PKPdf	06:07:31.558	0.1	60.4	1.91	TAS										m_e
KAST	120.96	pPKPdf	06:07:36.755	0.2	60.6	1.90	TAS										m_e
MANZ	119.59	PKPdf	06:07:29.033	0.2	60.4	1.91	TAS										m_e
MANZ	119.59	pPKPdf	06:07:34.140	0.2	60.6	1.90	TAS										m_e
MOX	119.53	PKPdf	06:07:28.632	0.2	60.4	1.91	TAS										m_e
MOX	119.53	pPKPdf	06:07:33.977	0.1	60.6	1.90	TAS										m_e
MOX	119.53	L	07:02:46.707				T__	2457.3	21.50	a_e	Ms						5.8
NEUB	119.17	PKPdf	06:07:27.921	0.1	60.4	1.91	TAS										m_e
NEUB	119.17	pPKPdf	06:07:33.233	-0.1	60.6	1.90	TAS										m_e
NRDL	119.37	PKPdf	06:07:28.632	0.1	60.4	1.91	TAS										m_e
NRDL	119.37	pPKPdf	06:07:33.968	0.3	60.6	1.90	TAS										m_e
PLN	119.31	PKPdf	06:07:28.231	-0.1	60.4	1.91	TAS										m_e
PLN	119.31	pPKPdf	06:07:33.380	-0.0	60.6	1.90	TAS										m_e
RETH	119.62	PKPdf	06:07:29.003	0.1	60.4	1.91	TAS										m_e
RETH	119.62	pPKPdf	06:07:34.533	0.0	60.6	1.90	TAS										m_e
ROTZ	119.64	PKPdf	06:07:28.829	-0.0	60.4	1.91	TAS										m_e
ROTZ	119.64	pPKPdf	06:07:34.477	0.0	60.6	1.90	TAS										m_e
STU	121.85	PKPdf	06:07:33.199		60.4	1.91	TAS										m_e
STU	121.85	pPKPdf	06:07:38.515	-0.4	60.6	1.90	TAS										m_e
TANN	119.18	PKPdf	06:07:28.070	-0.1	60.4	1.91	TAS										m_e
TANN	119.18	pPKPdf	06:07:33.307	-0.2	60.6	1.90	TAS										m_e
TNS	121.48	pPKPdf	06:07:37.961	0.2	60.6	1.90	TAS										m_e
UBBA	120.32	PKPdf	06:07:30.207	0.0	60.4	1.91	TAS										m_e
UBBA	120.32	pPKPdf	06:07:35.554	-0.0	60.6	1.90	TAS										m_e
UBR	121.88	PKPdf	06:07:33.109		60.4	1.91	TAS										m_e
UBR	121.88	pPKPdf	06:07:38.241		60.6	1.90	TAS										m_e
WET	119.56	PKPdf	06:07:28.792	-0.0	60.4	1.91	TAS										m_e
WET	119.56	pPKPdf	06:07:34.337	0.2	60.6	1.90	TAS										m_e

Event 80407003 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/07	14:41:34.73			36.8480	72.9680				33.0					45.52	45.52	m i ke	BGR
80407009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80407009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	45.52		P	14:49:50.321		88.9		7.02		TAS		7.3	0.81	m_e mb	4.8

Event 80408001 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/08	01:12:09.29			18.6630	-47.5330				22.5	1.1		17		53.71	57.80	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80408007
Ms	4.0		BGR	80408007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	53.71		P	01:21:29.205		258.3		7.19		TAS		8.6	1.18	m_e mb	4.7
BFO	53.71		pP	01:21:35.695						T__				m_e	
BRG	57.80		P	01:21:58.808	1.7	258.3		7.19		TAS		7.3	1.23	m_e mb	4.6
BSEG	56.30		P	01:21:48.054	-0.5	258.3		7.19		TAS		18.2	1.11	m_e mb	5.0
CLZ	55.81		P	01:21:44.710	-0.5	258.3		7.19		TAS		19.0	1.38	m_e mb	4.9
FLT1	56.44		P	01:21:48.783	0.1	258.3		7.19		TAS		23.7	1.53	m_e mb	5.0
FUR	55.60		P	01:21:44.811		258.3		7.19		TAS		46.3	1.81	m_e mb	5.2
GEC2	57.30		P	01:21:55.068		258.3		7.19		TAS		25.1	1.45	m_e mb	5.0
GRA1	55.86		L	01:42:34.170						T__		102.9	19.20	a_e Ms	3.9
IBBN	54.37		P	01:21:33.461	-0.1	258.3		7.19		TAS		7.0	0.88	m_e mb	4.7
MANZ	56.48		P	01:21:49.456		258.3		7.19		TAS		6.8	1.91	m_e mb	4.4
MOX	56.30		P	01:21:48.104		258.3		7.19		TAS		8.2	1.33	m_e mb	4.6
MOX	56.30		L	01:41:15.015						T__		166.2	21.40	a_e Ms	4.1
NRDL	55.81		P	01:21:44.986	-0.2	258.3		7.19		TAS		20.8	1.38	m_e mb	5.0
NRDL	55.81		pP	01:21:50.870						T__				m_e	
ROTZ	56.50		P	01:21:49.242		258.3		7.19		TAS		3.1	1.51	m_e mb	4.1
STU	54.36		P	01:21:33.764		258.3		7.19		TAS		24.1	0.96	m_e mb	5.2
TNS	54.23		P	01:21:33.433		258.3		7.19		TAS		14.6	1.54	m_e mb	4.8
UBBA	55.34		P	01:21:41.159	0.3	258.3		7.19		TAS		23.2	1.69	m_e mb	4.9
UBR	54.73		P	01:21:37.183		258.3		7.19		TAS		61.8	2.32	m_e mb	5.2
WET	56.82		P	01:21:51.649		258.3		7.19		TAS		14.3	1.42	m_e mb	4.8

Event 80408002 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/08	05:08:34.69			14.2700	-89.8000				94.9	0.8		23		82.99	88.03	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80408008
Ms	4.8		BGR	80408008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.42		P	05:20:51.940	0.3	287.4		4.96		TAS		8.0	0.67	m_e	mb 5.1
ASSE	85.17		P	05:21:00.676	-0.7	287.4		4.96		TAS		6.1	0.83	m_e	mb 4.9
BFO	84.78		P	05:20:58.170	0.3	287.4		4.96		TAS		11.0	1.08	m_e	mb 5.0
BRG	87.50		pP	05:21:37.423						T__				m_e	
BSEG	84.44		P	05:20:57.025	-0.4	287.4		4.96		TAS		14.3	0.89	m_e	mb 5.2
BSEG	84.44		pP	05:21:21.850						T__				m_e	
CLZ	85.07		P	05:21:00.340	-0.6	287.4		4.96		TAS		13.9	0.95	m_e	mb 5.2
FLT1	85.44		P	05:21:01.325	-0.1	287.4		4.96		TAS		8.2	0.80	m_e	mb 5.0
GEC2	88.03		P	05:21:14.381		287.4		4.96		TAS		3.7	0.96	m_e	mb 4.7
GRA1	86.22		P	05:21:06.067		287.4		4.96		TAS		10.9	0.82	m_e	mb 5.0
GRA1	86.22		L	05:56:52.780						T__		386.6	21.60	a_e	Ms 4.8
GTTG	84.92		P	05:20:59.537	0.1	287.4		4.96		TAS		25.7	1.03	m_e	mb 5.4
HLG	82.99		P	05:20:49.644	-0.1	287.4		4.96		TAS		34.8	1.08	m_e	mb 5.5
IBBN	83.39		P	05:20:51.359	0.1	287.4		4.96		TAS		8.3	0.99	m_e	mb 4.9
MANZ	86.68		P	05:21:08.122		287.4		4.96		TAS		1.2	0.86	m_e	mb 4.0
MOX	86.18		S	05:31:54.031						T__				m_e	
MOX	86.18		P	05:21:05.525	-0.3	287.4		4.96		TAS		4.5	0.84	m_e	mb 4.6
MOX	86.18		L	06:03:16.387						T__		348.2	20.30	a_e	Ms 4.7
NEUB	86.10		P	05:21:04.440	0.2	287.4		4.96		TAS		13.4	0.73	m_e	mb 5.2
NRDL	84.73		P	05:20:58.520	0.3	287.4		4.96		TAS		9.5	0.95	m_e	mb 5.0
NRDL	84.73		pP	05:21:23.452						T__				m_e	
PLN	86.55		P	05:21:07.282		287.4		4.96		TAS		9.3	1.11	m_e	mb 4.8
RETH	84.23		P	05:20:56.120	0.1	287.4		4.96		TAS		19.4	1.14	m_e	mb 5.2
RETH	84.23		pP	05:21:21.045						T__				m_e	
ROTZ	86.81		P	05:21:08.974		287.4		4.96		TAS		1.4	1.04	m_e	mb 4.0
ROTZ	86.81		pP	05:21:33.949						T__				m_e	
TNS	84.35		P	05:20:56.576	0.2	287.4		4.96		TAS		8.5	0.82	m_e	mb 5.0
TNS	84.35		pP	05:21:21.498						T__				m_e	
UBR	86.11		P	05:21:05.354	0.3	287.4		4.96		TAS		15.2	0.99	m_e	mb 5.1
WET	87.42		P	05:21:11.914		287.4		4.96		TAS		8.3	1.13	m_e	mb 4.8
WET	87.42		pP	05:21:37.065						T__				m_e	
WLF	83.06		P	05:20:49.970	-0.1	287.4		4.96		TAS		8.6	0.97	m_e	mb 5.0

Event 80408003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/08	05:16:46.21			-22.3500	-178.9800				570.0			29		147.68	153.69	m i ke	BGR
80408009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	149.35		PKPbc	05:35:31.028	0.4	19.1		2.27		TAS				m_e	
BFO	153.43		PKPbc	05:35:40.007		19.1		2.27		TAS				m_e	

BFO	153.43	PKPab	05:35:54.857		17.8	4.20	TAS	m_e
BRG	149.79	PKPbc	05:35:32.184	0.2	19.1	2.27	TAS	m_e
BSEG	147.68	PKPbc	05:35:26.971	-0.2	19.1	2.27	TAS	m_e
BSEG	147.68	PKPab	05:35:31.070	0.2	17.8	4.20	TAS	m_e
BUG	150.56	PKPbc	05:35:33.684	0.2	19.1	2.27	TAS	m_e
BUG	150.56	PKPab	05:35:42.590	0.1	17.8	4.20	TAS	m_e
CLZ	149.68	PKPbc	05:35:32.135	0.2	19.1	2.27	TAS	m_e
FLT1	149.05	PKPbc	05:35:30.118	0.0	19.1	2.27	TAS	m_e
FLT1	149.05	PKPab	05:35:36.256	0.2	17.8	4.20	TAS	m_e
FUR	152.97	PKPdf	05:35:31.649				T__	m_e
FUR	152.97	PKPbc	05:35:39.072		19.1	2.27	TAS	m_e
FUR	152.97	PKPab	05:35:53.446		17.8	4.20	TAS	m_e
GEC2	151.70	PKPbc	05:35:36.339	-0.2	19.1	2.27	TAS	m_e
GEC2	151.70	PKPab	05:35:47.830		17.8	4.20	TAS	m_e
GRA1	151.55	PKPbc	05:35:36.153	0.3	19.1	2.27	TAS	m_e
GRA1	151.55	PKPab	05:35:47.604		17.8	4.20	TAS	m_e
GTTG	150.04	PKPbc	05:35:32.749	0.1	19.1	2.27	TAS	m_e
GTTG	150.04	PKPab	05:35:40.861	0.5	17.8	4.20	TAS	m_e
HLG	147.79	PKPbc	05:35:27.482	-0.2	19.1	2.27	TAS	m_e
HLG	147.79	PKPab	05:35:31.718	-0.3	17.8	4.20	TAS	m_e
IBBN	149.65	PKPbc	05:35:31.858	0.1	19.1	2.27	TAS	m_e
IBBN	149.65	PKPab	05:35:39.086	0.1	17.8	4.20	TAS	m_e
KAST	150.63	PKPbc	05:35:34.153	0.2	19.1	2.27	TAS	m_e
MANZ	151.07	PKPbc	05:35:35.134	0.1	19.1	2.27	TAS	m_e
MOX	150.56	PKPbc	05:35:33.856	0.2	19.1	2.27	TAS	m_e
MOX	150.56	PKPab	05:35:42.913	-0.5	17.8	4.20	TAS	m_e
NEUB	150.01	PKPbc	05:35:32.664	-0.2	19.1	2.27	TAS	m_e
NEUB	150.01	PKPab	05:35:40.527	-0.1	17.8	4.20	TAS	m_e
NRDL	149.10	PKPbc	05:35:30.463	0.0	19.1	2.27	TAS	m_e
NRDL	149.10	PKPab	05:35:36.542	-0.4	17.8	4.20	TAS	m_e
PLN	150.59	PKPbc	05:35:34.052	0.2	19.1	2.27	TAS	m_e
PLN	150.59	PKPab	05:35:43.058	-0.0	17.8	4.20	TAS	m_e
RETH	148.99	PKPbc	05:35:30.117	0.0	19.1	2.27	TAS	m_e
ROTZ	151.25	PKPbc	05:35:35.355	0.2	19.1	2.27	TAS	m_e
ROTZ	151.25	PKPab	05:35:46.024		17.8	4.20	TAS	m_e
RUE	148.36	PKPbc	05:35:28.605	-0.1	19.1	2.27	TAS	m_e
STU	152.84	PKPbc	05:35:39.003	-0.4	19.1	2.27	TAS	m_e
TANN	150.59	PKPbc	05:35:34.072	-0.1	19.1	2.27	TAS	m_e
TANN	150.59	PKPab	05:35:43.320	0.3	17.8	4.20	TAS	m_e
TNS	151.58	PKPbc	05:35:36.250	-0.2	19.1	2.27	TAS	m_e
TNS	151.58	PKPab	05:35:47.090		17.8	4.20	TAS	m_e
UBBA	150.73	PKPbc	05:35:34.028	0.0	19.1	2.27	TAS	m_e
UBR	153.69	PKPdf	05:35:32.275				T__	m_e
UBR	153.69	PKPbc	05:35:40.490		19.1	2.27	TAS	m_e
WET	151.65	PKPbc	05:35:36.210	0.1	19.1	2.27	TAS	m_e
WET	151.65	PKPab	05:35:47.975		17.8	4.20	TAS	m_e
WLF	152.44	PKPbc	05:35:38.589	-0.3	19.1	2.27	TAS	m_e
WLF	152.44	PKPab	05:35:51.070		17.8	4.20	TAS	m_e

Event 80408004 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/08	08:05:09.02			-20.1300	170.1700				220.0				17	145.00	148.28	m i ke	BGR
OrigID 80408010																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.28		PKPbc	08:24:28.725		35.9		3.20		TAS					m_e
BUG	145.99		PKPbc	08:24:21.391	0.5	35.9		3.20		TAS					m_e
GEC2	145.69		PKPbc	08:24:20.800		35.9		3.20		TAS					m_e
GRA1	146.06		PKPbc	08:24:22.534		35.9		3.20		TAS					m_e
GTTG	145.02		PKPbc	08:24:18.846	0.5	35.9		3.20		TAS					m_e
IBBN	145.09		PKPbc	08:24:18.894	-0.1	35.9		3.20		TAS					m_e
KAST	145.83		PKPbc	08:24:21.253	0.0	35.9		3.20		TAS					m_e
MANZ	145.48		PKPbc	08:24:20.404		35.9		3.20		TAS					m_e
MOX	145.15		PKPbc	08:24:18.766		35.9		3.20		TAS					m_e
PLN	145.06		PKPbc	08:24:18.818		35.9		3.20		TAS					m_e
ROTZ	145.61		PKPbc	08:24:20.949		35.9		3.20		TAS					m_e
TANN	145.00		PKPbc	08:24:18.521		35.9		3.20		TAS					m_e
TNS	146.65		PKPbc	08:24:24.318		35.9		3.20		TAS					m_e
UBBA	145.61		PKPbc	08:24:20.459	-0.3	35.9		3.20		TAS					m_e
UBR	148.11		PKPbc	08:24:28.301		35.9		3.20		TAS					m_e
WET	145.82		PKPbc	08:24:21.395		35.9		3.20		TAS					m_e
WLF	147.89		PKPbc	08:24:28.473		35.9		3.20		TAS					m_e

Event 80408006 Western Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/08	16:32:32.77			35.5120	133.9630				14.4	1.1		22		78.08	83.48	m i ke	BGR
OrigID 80408012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80408012
Ms	5.8		BGR	80408012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	82.37		P	16:44:52.705		43.9		5.33		TAS		11.7	0.71	m_e mb	5.1
AHRW	82.37		pP	16:44:56.924	-0.1	44.3		5.33		TAS				m_e	
ASSE	79.67		PP	16:47:46.037						T_				m_e	
BFO	83.48		P	16:44:58.088		43.9		5.33		TAS		19.7	0.90	m_e mb	5.3
BFO	83.48		pP	16:45:02.225		44.3		5.33		TAS				m_e	

BRG	79.12	P	16:44:35.083	0.3	43.9	5.33	TAS	8.9	0.94	m_e	mb	4.8
BSEG	78.52	PP	16:47:35.845				T__			m_e		
BUG	81.61	P	16:44:48.255		43.9	5.33	TAS	44.5	1.49	m_e	mb	5.4
BUG	81.61	pP	16:44:52.589	0.2	44.3	5.33	TAS			m_e		
CLZ	80.01	P	16:44:40.214	-0.2	43.9	5.33	TAS	37.0	1.26	m_e	mb	5.2
CLZ	80.01	pP	16:44:44.523	0.2	44.3	5.33	TAS			m_e		
FLT1	79.29	P	16:44:35.417	-0.0	43.9	5.33	TAS	22.5	0.88	m_e	mb	5.2
FLT1	79.29	pP	16:44:39.727	-0.1	44.3	5.33	TAS			m_e		
GEC2	80.65	P	16:44:43.088	0.2	43.9	5.33	TAS	7.9	0.85	m_e	mb	4.8
GEC2	80.65	pP	16:44:47.307		44.3	5.33	TAS			m_e		
GRA1	81.19	S	16:54:56.582				T__			m_e		
GRA1	81.19	P	16:44:46.753		43.9	5.33	TAS	32.1	0.97	m_e	mb	5.3
GRA1	81.19	pP	16:44:50.891		44.3	5.33	TAS			m_e		
GRA1	81.19	L	17:20:45.720				T__	3907.9	18.00	a_e	Ms	5.8
GTTG	80.40	P	16:44:42.190	-0.2	43.9	5.33	TAS	17.9	1.02	m_e	mb	4.9
GTTG	80.40	pP	16:44:46.263	-0.2	44.3	5.33	TAS			m_e		
IBBN	80.76	P	16:44:43.688	-0.2	43.9	5.33	TAS	16.6	0.93	m_e	mb	5.1
IBBN	80.76	pP	16:44:48.169	-0.1	44.3	5.33	TAS			m_e		
KAST	81.31	P	16:44:46.782		43.9	5.33	TAS	8.8	0.86	m_e	mb	4.8
KAST	81.31	pP	16:44:50.983	0.1	44.3	5.33	TAS			m_e		
MANZ	80.58	P	16:44:43.214	0.1	43.9	5.33	TAS	2.4	0.81	m_e	mb	4.3
MANZ	80.58	pP	16:44:47.228		44.3	5.33	TAS			m_e		
MOX	80.33	S	16:54:55.073				T__			m_e		
MOX	80.33	P	16:44:41.783	-0.1	43.9	5.33	TAS	30.7	1.77	m_e	mb	4.9
MOX	80.33	pP	16:44:45.904	0.1	44.3	5.33	TAS			m_e		
MOX	80.33	L	17:20:09.506				T__	4268.1	20.60	a_e	Ms	5.8
NEUB	79.87	P	16:44:39.219	0.3	43.9	5.33	TAS	33.5	1.05	m_e	mb	5.2
NEUB	79.87	pP	16:44:43.280	0.3	44.3	5.33	TAS			m_e		
NEUB	79.87	PP	16:47:47.480				T__			m_e		
PLN	80.20	PP	16:47:50.640				T__			m_e		
RETH	79.78	PP	16:47:45.755				T__			m_e		
ROTZ	80.69	P	16:44:43.887	-0.1	43.9	5.33	TAS	3.4	1.00	m_e	mb	4.3
ROTZ	80.69	pP	16:44:48.045		44.3	5.33	TAS			m_e		
RUE	78.08	P	16:44:29.748	-0.2	43.9	5.33	TAS	66.1	1.38	m_e	mb	5.6
RUE	78.08	pP	16:44:33.825	-0.1	44.3	5.33	TAS			m_e		
STU	82.77	P	16:44:54.605		43.9	5.33	TAS	154.5	1.74	m_e	mb	5.9
STU	82.77	pP	16:44:58.830		44.3	5.33	TAS			m_e		
TANN	80.11	P	16:44:40.518	0.1	43.9	5.33	TAS	4.9	0.92	m_e	mb	4.4
TANN	80.11	pP	16:44:44.523	-0.4	44.3	5.33	TAS			m_e		
TANN	80.11	PP	16:47:48.084				T__			m_e		
TNS	82.02	P	16:44:50.835		43.9	5.33	TAS	17.5	1.19	m_e	mb	5.1
TNS	82.02	pP	16:44:55.120	-0.2	44.3	5.33	TAS			m_e		
UBR	83.16	P	16:44:56.561		43.9	5.33	TAS	10.2	1.14	m_e	mb	5.0
UBR	83.16	pP	16:45:00.664		44.3	5.33	TAS			m_e		
WET	80.82	P	16:44:44.440	0.2	43.9	5.33	TAS	5.6	0.88	m_e	mb	4.6
WET	80.82	pP	16:44:48.528		44.3	5.33	TAS			m_e		
WLF	83.42	P	16:44:58.316		43.9	5.33	TAS	63.1	1.80	m_e	mb	5.5
WLF	83.42	pP	16:45:02.449		44.3	5.33	TAS			m_e		



Event 80408008 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/08	22:32:21.90			-24.3700	-179.8700				501.0					153.28	153.28	m i ke	EMSC
OrigID 80408040																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.28		PKPab	22:51:38.538		23.0		4.15		TAS					m_e

Event 80409001 Costa Rica

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/09	03:37:43.57			9.2800	-83.1100				26.0	3.0		27		82.53	87.54	m i ke	BGR
OrigID 80409007																	

Magnitude Err Nsta Author OrigID

mb	5.0		BGR	80409007
Ms	4.4		BGR	80409007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.03		P	03:50:07.385	0.2	279.0		5.01		TAS		17.8	1.18	m_e mb	5.2
ASSE	85.07		P	03:50:17.536	-0.3	279.0		5.01		TAS		13.1	1.21	m_e mb	5.0
BFO	84.10		P	03:50:12.043	0.2	279.0		5.01		TAS		7.7	0.99	m_e mb	4.9
BFO	84.10		pP	03:50:19.579	0.2	277.7		4.98		TAS				m_e	
BRG	87.30		P	03:50:28.270		279.0		5.01		TAS		5.6	0.91	m_e mb	4.7
BRG	87.30		pP	03:50:35.994		277.7		4.98		TAS				m_e	
BSEG	84.59		P	03:50:14.872	0.2	279.0		5.01		TAS		38.2	1.60	m_e mb	5.4
BUG	83.06		P	03:50:06.986	-0.3	279.0		5.01		TAS		8.0	0.72	m_e mb	5.0
CLZ	84.93		P	03:50:16.830	0.3	279.0		5.01		TAS		23.0	1.32	m_e mb	5.2
FLT1	85.38		P	03:50:18.564	-0.0	279.0		5.01		TAS		42.9	1.66	m_e mb	5.4
FLT1	85.38		pP	03:50:26.060		277.7		4.98		TAS				m_e	
GEC2	87.54		P	03:50:29.339		279.0		5.01		TAS		8.7	1.12	m_e mb	5.0
GEC2	87.54		pP	03:50:36.985		277.7		4.98		TAS				m_e	
GRA1	85.79		P	03:50:21.200	0.1	279.0		5.01		TAS		10.1	0.79	m_e mb	5.0
GRA1	85.79		L	04:23:20.158						T__		225.3	21.80	a_e Ms	4.5
IBBN	83.26		P	03:50:08.068	-0.2	279.0		5.01		TAS		15.0	1.14	m_e mb	5.1
KAST	83.80		P	03:50:10.827	0.1	279.0		5.01		TAS		5.2	0.77	m_e mb	4.8
MANZ	86.31		P	03:50:23.648	-0.2	279.0		5.01		TAS		1.4	0.89	m_e mb	4.1
MANZ	86.31		pP	03:50:31.182		277.7		4.98		TAS				m_e	
MOX	85.88		P	03:50:21.427	0.0	279.0		5.01		TAS		45.7	2.01	m_e mb	5.3
MOX	85.88		L	04:23:36.100						T__		147.7	21.40	a_e Ms	4.3

NEUB	85.89	P	03:50:21.443	0.1	279.0	5.01	TAS	16.9	1.01	m_e	mb	5.1
NEUB	85.89	pP	03:50:29.036		277.7	4.98	TAS			m_e		
NRDL	84.67	P	03:50:15.593	-0.1	279.0	5.01	TAS	12.0	1.17	m_e	mb	5.0
NRDL	84.67	pP	03:50:23.470	-0.1	277.7	4.98	TAS			m_e		
PLN	86.25	P	03:50:23.270	0.1	279.0	5.01	TAS	9.0	0.84	m_e	mb	4.9
PLN	86.25	pP	03:50:30.835		277.7	4.98	TAS			m_e		
RETH	84.19	P	03:50:13.177	-0.1	279.0	5.01	TAS	34.1	1.62	m_e	mb	5.3
RETH	84.19	pP	03:50:20.909	-0.6	277.7	4.98	TAS			m_e		
RGN	86.23	P	03:50:23.266	0.1	279.0	5.01	TAS	46.0	1.13	m_e	mb	5.5
RGN	86.23	pP	03:50:31.068		277.7	4.98	TAS			m_e		
ROTZ	86.41	P	03:50:24.146	-0.3	279.0	5.01	TAS	1.1	0.89	m_e	mb	4.0
ROTZ	86.41	pP	03:50:30.832		277.7	4.98	TAS			m_e		
STU	84.61	P	03:50:14.906	-0.1	279.0	5.01	TAS	28.6	0.90	m_e	mb	5.5
TANN	86.46	P	03:50:24.379		279.0	5.01	TAS	10.4	0.97	m_e	mb	4.9
TANN	86.46	pP	03:50:32.018		277.7	4.98	TAS			m_e		
TNS	83.94	P	03:50:11.802	-0.4	279.0	5.01	TAS	10.7	0.98	m_e	mb	5.0
UBBA	84.84	P	03:50:16.082	0.2	279.0	5.01	TAS	21.6	1.79	m_e	mb	5.1
UBR	85.37	P	03:50:19.093	-0.0	279.0	5.01	TAS	12.6	1.08	m_e	mb	5.1
WET	86.95	P	03:50:26.878		279.0	5.01	TAS	16.2	1.12	m_e	mb	5.1
WET	86.95	pP	03:50:34.465		277.7	4.98	TAS			m_e		
WLF	82.53	P	03:50:04.760	0.2	279.0	5.01	TAS	13.0	0.90	m_e	mb	5.2

Event 80410002 Central Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/10	03:11:29.97	0.49	1.79	42.8640	13.1240	13.3	10.0	134	10.0			31	301	3.78	8.34	m i ke	BGR
80410008																	

Magnitude	Err	Nsta	Author	OrigID
ML	5.0		BGR	80410008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	4.70		Sn	03:13:31.522	-2.3					T__				m_e	
ARSA	4.70		Pn	03:12:40.216	-0.4					T__				m_e	
BALST	5.89		Pn	03:12:56.707	0.0					T__				m_e	
BERGE	6.10		Sn	03:14:04.577	-2.3					T__				m_e	
BERGE	6.10		Pn	03:12:59.116	-0.3					T__				m_e	ML 4.7
BFO	6.42		Pn	03:13:03.223	-0.5					T__				m_e	ML 4.8
BRG	8.03		Sn	03:14:49.557	-3.2					T__				m_e	
BRG	8.03		Pn	03:13:24.737	-0.8					T__				m_e	
DAVA	4.98		Pn	03:12:45.581	1.2					T__				m_e	
ECH	6.79		Sn	03:14:22.658	-0.8					T__				m_e	
ECH	6.79		Pn	03:13:08.561	-0.3					T__				m_e	
FUR	5.46		Pn	03:12:52.074	1.3					T__				m_e	ML 5.4
GEC2	6.00		Pn	03:12:57.264	-0.8					T__				m_e	ML 5.0
GRA1	6.96		Pn	03:13:11.869	0.9					T__				m_e	

KBA	4.22	Sg	03:13:48.441	4.6	T__	m_e		
KBA	4.22	Pn	03:12:33.967	-0.1	T__	m_e ML	5.0	
MANZ	7.16	Sn	03:14:27.496	-4.5	T__	m_e		
MANZ	7.16	Pn	03:13:13.528	-0.2	T__	m_e		
METMA	5.94	Sn	03:13:59.431	-3.7	T__	m_e		
METMA	5.94	Pn	03:12:57.079	-0.2	T__	m_e ML	4.7	
MILB	7.45	Sn	03:14:38.998	-0.0	T__	m_e		
MILB	7.45	Pn	03:13:17.255	-0.5	T__	m_e		
MOA	5.05	Sn	03:13:43.166	1.2	T__	m_e		
MOA	5.05	Pn	03:12:45.292	-0.0	T__	m_e		
MOX	7.85	Sn	03:14:45.230	-3.3	T__	m_e		
MOX	7.85	Pn	03:13:21.260	-1.9	T__	m_e		
OBER	4.96	Pn	03:12:45.968	1.8	T__	m_e		
OBKA	3.78	Sg	03:13:33.709	3.6	T__	m_e		
OBKA	3.78	Pn	03:12:27.446	-0.8	T__	m_e ML	5.3	
OBKA	3.78	Pg	03:12:39.260	1.4	T__	m_e		
PART	4.85	Pn	03:12:43.851	1.3	T__	m_e ML	4.7	
PLONS	4.96	Sn	03:13:42.893	3.1	T__	m_e		
PLONS	4.96	Pn	03:12:45.954	1.9	T__	m_e		
ROTZ	6.93	Pn	03:13:09.623	-1.1	T__	m_e		
SLE	5.89	Pn	03:12:56.262	-0.3	T__	m_e		
STU	6.51	Sn	03:14:18.263	1.5	T__	m_e		
STU	6.51	Pn	03:13:06.608	1.6	T__	m_e		
SULZ	5.86	Pn	03:12:56.434	0.3	T__	m_e		
TNS	8.03	Sn	03:14:51.568	-1.2	T__	m_e		
TNS	8.03	Pn	03:13:25.748	0.2	T__	m_e		
UBR	5.27	Pn	03:12:48.955	0.8	T__	m_e		
WALHA	5.64	Pn	03:12:53.293	-0.0	T__	m_e ML	5.2	
WET	6.28	Sn	03:14:10.217	-1.1	T__	m_e		
WET	6.28	Pn	03:13:00.574	-1.4	T__	m_e ML	4.8	
WILA	5.44	Sn	03:13:53.269	2.0	T__	m_e		
WILA	5.44	Pn	03:12:51.072	0.5	T__	m_e		
WLF	8.34	Pn	03:13:32.011	2.3	T__	m_e		
WTTA	4.52	Pn	03:12:38.799	0.6	T__	m_e ML	5.3	

Event 80410007 Near coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/10	10:19:26.06			-31.7000	-71.2300				33.0			12		106.05	111.05	m i ke	BGR
80410013																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	80410013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	109.74		PP	10:38:25.628		243.9		7.26		TAS				m_e	

BFO	106.64	Pdiff	10:34:01.690	-0.1	245.3	4.62	TAS	m_e												
BRG	111.05	PP	10:38:34.933		243.9	7.26	TAS	m_e												
BSEG	110.34	PP	10:38:29.838		243.9	7.26	TAS	m_e												
BUG	107.55	Pdiff	10:34:05.341	0.2	245.3	4.62	TAS	m_e												
CLZ	109.44	Pdiff	10:34:14.189		245.3	4.62	TAS	m_e												
CLZ	109.44	PP	10:38:23.350	-0.2	243.9	7.26	TAS	m_e												
FLT1	110.14	PP	10:38:28.319		243.9	7.26	TAS	m_e												
GRA1	108.96	SS	10:53:35.128				T__	m_e												
GRA1	108.96	Pdiff	10:34:12.663	0.1	245.3	4.62	TAS	m_e												
GRA1	108.96	PP	10:38:19.934	0.3	243.9	7.26	TAS	m_e												
GRA1	108.96	PS	10:47:41.162				T__	m_e												
GRA1	108.96	L	11:21:49.470				T__	m_e	2727.4	21.70	a_e	Ms							5.8	
GTTG	109.08	PP	10:38:20.969	-0.1	243.9	7.26	TAS	m_e												
IBBN	108.22	Pdiff	10:34:08.347	-0.2	245.3	4.62	TAS	m_e												
KAST	108.06	PP	10:38:13.118	0.5	243.9	7.26	TAS	m_e												
MANZ	109.61	Pdiff	10:34:15.387		245.3	4.62	TAS	m_e												
MANZ	109.61	PP	10:38:24.385		243.9	7.26	TAS	m_e												
MOX	109.61	SS	10:53:45.030				T__	m_e												
MOX	109.61	PP	10:38:24.799		243.9	7.26	TAS	m_e												
MOX	109.61	PS	10:47:48.639				T__	m_e												
MOX	109.61	L	11:21:07.246				T__	m_e	4144.9	22.00	a_e	Ms							6.0	
NEUB	109.94	PP	10:38:26.980		243.9	7.26	TAS	m_e												
NRDL	109.59	Pdiff	10:34:15.451		245.3	4.62	TAS	m_e												
NRDL	109.59	PP	10:38:25.006		243.9	7.26	TAS	m_e												
PLN	109.85	PP	10:38:26.766		243.9	7.26	TAS	m_e												
RETH	109.29	Pdiff	10:34:13.858		245.3	4.62	TAS	m_e												
RETH	109.29	PP	10:38:22.522	-0.2	243.9	7.26	TAS	m_e												
ROTZ	109.57	Pdiff	10:34:15.119		245.3	4.62	TAS	m_e												
ROTZ	109.57	PP	10:38:24.398	-0.2	243.9	7.26	TAS	m_e												
TANN	110.00	Pdiff	10:34:17.322		245.3	4.62	TAS	m_e												
TANN	110.00	PP	10:38:27.802		243.9	7.26	TAS	m_e												
TNS	107.62	Pdiff	10:34:06.223	0.2	245.3	4.62	TAS	m_e												
UBBA	108.77	PP	10:38:18.648	0.0	243.9	7.26	TAS	m_e												
WLF	106.05	Pdiff	10:33:59.120	0.3	245.3	4.62	TAS	m_e												

Event 80410009 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/10	15:56:09.22			34.5110	24.9850				33.0					18.24	18.24	m i k e	BGR
80410015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80410015
Ms	3.6		BGR	80410015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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GRA1	18.24	P	16:00:20.163	141.2	11.00	TAS	51.2	1.33	m_e	mb	4.5
GRA1	18.24	L	16:07:22.882			T__	338.2	20.70	a_e	Ms	3.6

Event 80411006 Mexico-Guatemala border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/11	07:30:47.74			15.3740	-92.4080				26.2					86.98	86.98	m i ke	BGR
OrigID 80411012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80411012
Ms	4.8		BGR	80411012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	86.98		S	07:54:13.499						T__					m_e	
GRA1	86.98		P	07:43:30.382		282.0		5.51		TAS		36.8	1.65	m_e	mb	5.2
GRA1	86.98		pP	07:43:37.913						T__		255.6	2.85	m_e		
GRA1	86.98		L	08:24:22.322						T__		347.6	19.50	a_e	Ms	4.8

Event 80412003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/12	03:30:02.69			-21.0100	-179.1200				600.0				27	146.35	152.37	m i ke	BGR
OrigID 80412009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.02		PKPbc	03:48:41.067	0.2	18.3		2.37		TAS					m_e
BFO	152.09		PKPbc	03:48:50.470		18.3		2.37		TAS					m_e
BFO	152.09		PKPab	03:49:02.974		17.1		4.22		TAS					m_e
BRG	148.48		PKPbc	03:48:42.543	0.2	18.3		2.37		TAS					m_e
BRG	148.48		PKPab	03:48:48.207	-0.2	17.1		4.22		TAS					m_e
BSEG	146.35		PKPbc	03:48:36.754	-0.3	18.3		2.37		TAS					m_e
BUG	149.22		PKPbc	03:48:43.876	0.3	18.3		2.37		TAS					m_e
BUG	149.22		PKPab	03:48:50.950	0.0	17.1		4.22		TAS					m_e
CLL	148.31		PKPbc	03:48:41.841	0.1	18.3		2.37		TAS					m_e
CLL	148.31		PKPab	03:48:47.348	0.5	17.1		4.22		TAS					m_e
CLZ	148.35		PKPbc	03:48:42.310	-0.2	18.3		2.37		TAS					m_e
CLZ	148.35		PKPab	03:48:47.679	-0.0	17.1		4.22		TAS					m_e
FLT1	147.72		PKPbc	03:48:40.164	0.4	18.3		2.37		TAS					m_e
FLT1	147.72		PKPab	03:48:44.572	0.1	17.1		4.22		TAS					m_e
FUR	151.65		PKPbc	03:48:49.695		18.3		2.37		TAS					m_e

GEC2	150.39	PKPbc	03:48:46.975		18.3		2.37	TAS		m_e
GEC2	150.39	PKPab	03:48:56.390		17.1		4.22	TAS		m_e
GRA1	150.22	PKPab	03:48:55.948		17.1		4.22	TAS		m_e
GTTG	148.71	PKPab	03:48:49.072	0.1	17.1		4.22	TAS		m_e
KAST	149.29	PKPbc	03:48:44.316	0.2	18.3		2.37	TAS		m_e
MANZ	149.75	PKPbc	03:48:45.610	-0.5	18.3		2.37	TAS		m_e
MOX	149.24	PKPbc	03:48:44.204	0.2	18.3		2.37	TAS		m_e
MOX	149.24	PKPab	03:48:51.162		17.1		4.22	TAS		m_e
NEUB	148.69	PKPbc	03:48:42.946	0.3	18.3		2.37	TAS		m_e
NEUB	148.69	PKPab	03:48:48.815	-0.3	17.1		4.22	TAS		m_e
NRDL	147.77	PKPbc	03:48:40.444	-0.0	18.3		2.37	TAS		m_e
PLN	149.27	PKPbc	03:48:44.408	-0.0	18.3		2.37	TAS		m_e
PLN	149.27	PKPab	03:48:51.532		17.1		4.22	TAS		m_e
RETH	147.66	PKPbc	03:48:40.224	-0.1	18.3		2.37	TAS		m_e
RJOB	151.65	PKPbc	03:48:49.451		18.3		2.37	TAS		m_e
ROTZ	149.93	PKPbc	03:48:45.871	-0.3	18.3		2.37	TAS		m_e
ROTZ	149.93	PKPab	03:48:54.404		17.1		4.22	TAS		m_e
RUE	147.04	PKPbc	03:48:38.541	-0.1	18.3		2.37	TAS		m_e
TANN	149.26	PKPbc	03:48:44.458	0.4	18.3		2.37	TAS		m_e
TANN	149.26	PKPab	03:48:51.586		17.1		4.22	TAS		m_e
TNS	150.24	PKPbc	03:48:46.625		18.3		2.37	TAS		m_e
TNS	150.24	PKPab	03:48:55.317		17.1		4.22	TAS		m_e
UBR	152.37	PKPbc	03:48:51.123		18.3		2.37	TAS		m_e
WET	150.34	PKPab	03:48:56.369		17.1		4.22	TAS		m_e
WLF	151.10	PKPbc	03:48:49.008		18.3		2.37	TAS		m_e
WLF	151.10	PKPab	03:48:59.161		17.1		4.22	TAS		m_e

Event 80412005 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/12	07:56:54.85			44.1400	140.6600				235.4	1.7		31		73.46	78.85	m i ke	BGR
	80412011																

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	80412011
MBB	5.9		BGR	80412011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.43		P	08:08:24.470	-0.2	35.0		5.65		TAS		79.4	0.93	m_e	MBB 5.9
AHRW	77.43		pP	08:09:20.232		35.4		5.69		TAS				m_e	
ASSE	74.86		P	08:08:09.791	-0.2	35.0		5.65		TAS		30.0	0.97	m_e	MBB 5.5
BFO	78.85		P	08:08:32.110		35.0		5.65		TAS		31.7	0.80	m_e	mb 5.4
BFO	78.85		pP	08:09:27.939		35.4		5.69		TAS				m_e	
BRG	74.68		P	08:08:08.660	0.1	35.0		5.65		TAS		49.2	0.83	m_e	MBB 5.7
BSEG	73.50		P	08:08:02.390	-0.2	35.0		5.65		TAS		82.5	0.86	m_e	MBB 6.0
BUG	76.60		P	08:08:19.638	0.3	35.0		5.65		TAS		68.2	0.72	m_e	MBB 6.0

CLL	74.68	P	08:08:08.520	0.4	35.0	5.65	TAS	134.5	0.62	m_e	MBB	6.2
CLZ	75.20	P	08:08:12.249	-0.2	35.0	5.65	TAS	130.0	0.64	m_e	MBB	6.2
FLT1	74.49	P	08:08:07.429	0.1	35.0	5.65	TAS	128.0	0.73	m_e	MBB	6.1
FUR	77.90	P	08:08:27.254		35.0	5.65	TAS	67.2	0.68	m_e	mb	5.9
GEC2	76.41	P	08:08:18.473	0.1	35.0	5.65	TAS	19.1	0.74	m_e	MBB	5.5
GEC2	76.41	pP	08:09:14.104		35.4	5.69	TAS			m_e		
GOR1	73.93	P	08:08:04.944	0.2	35.0	5.65	TAS	170.2	1.24	m_e	MBB	6.2
GRA1	76.66	P	08:08:20.586	-0.1	35.0	5.65	TAS	128.5	0.71	m_e	mb	6.2
GRA1	76.66	pP	08:09:16.043		35.4	5.69	TAS			m_e		
GTTG	75.59	P	08:08:14.179	-0.1	35.0	5.65	TAS	67.0	0.78	m_e	MBB	6.0
IBBN	75.71	P	08:08:14.741	0.1	35.0	5.65	TAS	89.2	0.72	m_e	MBB	6.1
KAST	76.41	P	08:08:18.781	-0.0	35.0	5.65	TAS	53.3	0.72	m_e	MBB	5.9
MANZ	76.09	P	08:08:16.850	0.5	35.0	5.65	TAS	7.5	0.91	m_e	mb	4.8
MOX	75.74	P	08:08:14.825	-0.7	35.0	5.65	TAS	53.0	1.07	m_e	MBB	5.7
MOX	75.74	pP	08:09:10.294		35.4	5.69	TAS			m_e		
NEUB	75.23	P	08:08:11.807	-0.1	35.0	5.65	TAS	128.7	0.70	m_e	MBB	6.1
NRDL	74.75	P	08:08:09.371	-0.4	35.0	5.65	TAS	62.0	0.75	m_e	MBB	5.8
PLN	75.66	P	08:08:14.455	0.1	35.0	5.65	TAS	29.8	0.84	m_e	MBB	5.6
RETH	74.81	P	08:08:09.844	-0.1	35.0	5.65	TAS	78.5	0.74	m_e	MBB	6.1
RETH	74.81	pP	08:09:05.128	0.0	35.4	5.69	TAS			m_e		
RJOB	77.66	P	08:08:25.983	-0.4	35.0	5.65	TAS	47.4	0.88	m_e	mb	5.6
ROTZ	76.23	P	08:08:17.952	0.4	35.0	5.65	TAS	11.8	0.95	m_e	MBB	5.1
ROTZ	76.23	pP	08:09:13.389		35.4	5.69	TAS			m_e		
RUE	73.46	P	08:08:01.836	-0.4	35.0	5.65	TAS	98.5	0.73	m_e	mb	6.0
STU	78.17	P	08:08:28.453	0.2	35.0	5.65	TAS	170.5	0.98	m_e	mb	6.1
STU	78.17	pP	08:09:24.365		35.4	5.69	TAS			m_e		
TANN	75.61	P	08:08:14.097	-0.0	35.0	5.65	TAS	19.1	0.77	m_e	mb	5.3
TNS	77.22	P	08:08:23.290	-0.0	35.0	5.65	TAS	34.2	0.74	m_e	MBB	5.8
TNS	77.22	pP	08:09:19.151		35.4	5.69	TAS			m_e		
UBBA	76.18	P	08:08:16.638	-0.1	35.0	5.65	TAS	33.1	0.63	m_e	MBB	5.7
WET	76.48	P	08:08:19.436	0.0	35.0	5.65	TAS	63.5	0.94	m_e	MBB	5.8
WLF	78.49	P	08:08:30.394	0.3	35.0	5.65	TAS	17.6	0.73	m_e	mb	5.3
WLF	78.49	pP	08:09:26.347		35.4	5.69	TAS			m_e		

Event 80412007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/12	09:31:37.44			-18.6400	-174.7200				200.0			20		145.82	150.77	m i ke	BGR
	80412013																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.28		PKPbc	09:51:04.324		9.8		2.71		TAS				m_e	
BRG	147.11		PKPbc	09:50:55.984	-0.2	9.8		2.71		TAS				m_e	
CLL	146.84		PKPbc	09:50:55.076	0.2	9.8		2.71		TAS				m_e	

CLZ	146.63	PKPbc	09:50:54.924	0.1	9.8	2.71	TAS	m_e
FLT1	146.06	PKPbc	09:50:52.500	-0.1	9.8	2.71	TAS	m_e
FUR	150.15	PKPbc	09:51:04.064		9.8	2.71	TAS	m_e
GEC2	149.11	PKPbc	09:51:01.370		9.8	2.71	TAS	m_e
GTTG	146.96	PKPbc	09:50:56.618	0.1	9.8	2.71	TAS	m_e
KAST	147.41	PKPbc	09:50:56.856	0.2	9.8	2.71	TAS	m_e
MANZ	148.25	PKPbc	09:50:59.262		9.8	2.71	TAS	m_e
MOX	147.67	PKPbc	09:50:57.632	0.2	9.8	2.71	TAS	m_e
NEUB	147.11	PKPbc	09:50:55.984	-0.2	9.8	2.71	TAS	m_e
NRDL	146.00	PKPbc	09:50:52.529	-0.2	9.8	2.71	TAS	m_e
PLN	147.75	PKPbc	09:50:57.828		9.8	2.71	TAS	m_e
RETH	145.82	PKPbc	09:50:52.119	1.1	9.8	2.71	TAS	m_e
RJOB	150.34	PKPbc	09:51:05.092		9.8	2.71	TAS	m_e
ROTZ	148.45	PKPbc	09:50:59.877		9.8	2.71	TAS	m_e
TANN	147.78	PKPbc	09:50:57.916		9.8	2.71	TAS	m_e
TNS	148.39	PKPbc	09:50:59.664		9.8	2.71	TAS	m_e
UBR	150.77	PKPbc	09:51:05.437		9.8	2.71	TAS	m_e

Event 80412008 Kyrgyzstan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/12	10:41:54.15			40.4800	77.0000				19.4			19		44.01	49.15	m i ke	BGR
80412014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80412014
Ms	4.2		BGR	80412014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	48.18		P	10:50:32.911		76.1		7.84		TAS		9.0	0.95	m_e	mb 4.9
BRG	44.01		P	10:50:00.475	0.5	76.1		7.84		TAS		8.4	0.90	m_e	mb 4.5
BSEG	45.57		P	10:50:13.229	0.6	76.1		7.84		TAS		41.9	1.39	m_e	mb 5.3
CLL	44.50		P	10:50:03.906	-0.2	76.1		7.84		TAS		11.0	0.93	m_e	mb 4.6
CLZ	45.98		P	10:50:16.089	-0.3	76.1		7.84		TAS		11.6	1.21	m_e	mb 4.8
FLT1	45.35		P	10:50:10.579	-0.1	76.1		7.84		TAS		12.9	0.87	m_e	mb 4.9
FUR	46.35		P	10:50:19.424		76.1		7.84		TAS		31.3	0.68	m_e	mb 5.5
GEC2	44.61		P	10:50:05.765	0.2	76.1		7.84		TAS		15.8	0.84	m_e	mb 5.0
GRA1	45.98		P	10:50:16.746	-0.5	76.1		7.84		TAS		16.0	0.71	m_e	mb 5.2
GRA1	45.98		pP	10:50:21.970						T__					m_e
GRA1	45.98		L	11:10:44.554						T__		278.8	21.30	a_e	Ms 4.2
GTTG	46.30		P	10:50:18.863		76.1		7.84		TAS		25.9	1.14	m_e	mb 5.2
MOX	45.50		P	10:50:12.293	0.2	76.1		7.84		TAS		5.8	0.96	m_e	mb 4.5
MOX	45.50		L	11:10:20.433						T__		261.7	18.30	a_e	Ms 4.2
NEUB	45.28		P	10:50:10.336	-0.2	76.1		7.84		TAS		13.3	0.69	m_e	mb 5.0
NRDL	45.99		P	10:50:16.470		76.1		7.84		TAS		19.2	0.96	m_e	mb 5.1
PLN	45.20		P	10:50:09.822	-0.6	76.1		7.84		TAS		4.4	0.76	m_e	mb 4.5



RJOB	45.48	P	10:50:11.796	0.4	76.1	7.84	TAS	4.7	0.84	m_e mb	4.4
TANN	45.03	P	10:50:08.637	-0.3	76.1	7.84	TAS	5.3	0.84	m_e mb	4.5
UBR	47.24	P	10:50:25.865		76.1	7.84	TAS	19.2	1.00	m_e mb	5.2
WET	45.06	P	10:50:09.143	-0.4	76.1	7.84	TAS	9.2	1.09	m_e mb	4.6
WLF	49.15	P	10:50:40.805		76.1	7.84	TAS	14.1	0.88	m_e mb	5.0

Event 80412010 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
2018/04/12	13:37:37.39			38.4720	142.4400				33.0					82.23	82.23	m i ke	BGR
OrigID 80412016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80412016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.23		P	13:49:54.030		40.8		4.65		TAS		12.5	0.88	m_e mb	5.1

Event 80413001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/13	03:45:52.10			39.8800	143.3100				30.0					81.33	81.33	m i ke	EMSC
OrigID 80413033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80413007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.33		P	03:58:06.642		35.3		5.09		TAS		4.9	0.80	m_e mb	4.6

Event 80413006 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/13	19:00:07.77			44.4330	145.2480				33.0				14	74.72	79.15	m i ke	BGR
OrigID 80413012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80413012
Ms	5.0		BGR	80413012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	76.11		P	19:11:49.977		31.7		5.57		TAS		6.6	0.65	m_e	mb 4.9
BSEG	74.72		P	19:11:42.873	-0.1	31.7		5.57		TAS		16.7	0.76	m_e	mb 5.1
CLL	76.07		P	19:11:49.947	0.1	31.7		5.57		TAS				m_e	
CLZ	76.49		P	19:11:52.884	0.4	31.7		5.57		TAS				m_e	
GOR1	75.21		P	19:11:45.949	0.0	31.7		5.57		TAS		36.4	1.29	m_e	mb 5.3
GRA1	78.04		P	19:12:01.694		31.7		5.57		TAS		22.6	0.71	m_e	mb 5.4
GRA1	78.04		L	19:50:13.442						T__		812.1	20.80	a_e	Ms 5.0
IBBN	76.92		P	19:11:54.861	-0.5	31.7		5.57		TAS				m_e	
KAST	77.67		P	19:11:58.545		31.7		5.57		TAS		18.5	0.99	m_e	mb 5.2
MOX	77.10		P	19:11:55.762		31.7		5.57		TAS		6.4	0.64	m_e	mb 4.9
MOX	77.10		L	19:49:44.966						T__		826.1	19.90	a_e	Ms 5.1
RETH	76.05		P	19:11:49.956	0.3	31.7		5.57		TAS				m_e	
RJOB	79.15		P	19:12:07.552		31.7		5.57		TAS		10.3	0.76	m_e	mb 4.9
ROTZ	77.64		P	19:11:59.423		31.7		5.57		TAS		2.8	0.87	m_e	mb 4.4
TANN	77.01		P	19:11:55.388		31.7		5.57		TAS		7.6	0.89	m_e	mb 4.8
TNS	78.51		P	19:12:03.817		31.7		5.57		TAS		15.4	0.72	m_e	mb 5.1
WET	77.93		P	19:12:00.643		31.7		5.57		TAS		10.6	0.75	m_e	mb 5.1

Event 80413008 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/13	21:46:46.82			46.8950	150.5080				14.5	3.9		31		74.01	79.67	m i ke	BGR
OrigID 80413014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	80413014
Ms	4.2		BGR	80413014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.94		P	21:58:42.383	0.1	27.2		5.62		TAS		34.2	1.03	m_e	mb 5.4
BFO	79.60		P	21:58:51.399		27.2		5.62		TAS		52.6	0.90	m_e	mb 5.5
BRG	75.67		P	21:58:29.464	0.3	27.2		5.62		TAS		18.0	0.99	m_e	mb 5.2
BSEG	74.01		P	21:58:20.182	-0.1	27.2		5.62		TAS		9.8	0.96	m_e	mb 4.8
BUG	77.07		P	21:58:37.276	0.0	27.2		5.62		TAS		38.4	1.09	m_e	mb 5.4
CLL	75.57		P	21:58:28.592	-0.1	27.2		5.62		TAS		47.8	0.96	m_e	mb 5.6
CLNZ	74.72		P	21:58:24.447	-0.5	27.2		5.62		TAS		50.2	0.96	m_e	mb 5.5
CLZ	75.86		P	21:58:31.175	-0.1	27.2		5.62		TAS		43.9	1.07	m_e	mb 5.5
FLT1	75.18		P	21:58:26.376	-0.2	27.2		5.62		TAS		29.5	0.93	m_e	mb 5.3
FUR	78.88		P	21:58:47.631		27.2		5.62		TAS		65.3	0.99	m_e	mb 5.6
FUR	78.88		pP	21:58:50.908						T__				m_e	
GEC2	77.52		P	21:58:40.095		27.2		5.62		TAS		23.7	0.93	m_e	mb 5.3
GRA1	77.53		P	21:58:40.589		27.2		5.62		TAS		59.5	0.86	m_e	mb 5.7
GRA1	77.53		L	22:26:19.316						T__		97.0	20.70	a_e	Ms 4.1
GTTG	76.24		P	21:58:33.059	0.1	27.2		5.62		TAS		49.0	1.23	m_e	mb 5.5
IBBN	76.16		P	21:58:32.342	-0.2	27.2		5.62		TAS		40.6	0.85	m_e	mb 5.6

KAST	76.98	P	21:58:37.096	0.2	27.2	5.62	TAS	25.8	0.98	m_e	mb	5.3
LOCC	75.70	P	21:58:29.854	0.1	27.2	5.62	TAS	26.5	0.96	m_e	mb	5.3
MANZ	77.01	P	21:58:37.135	0.3	27.2	5.62	TAS	4.9	0.94	m_e	mb	4.6
MANZ	77.01	pP	21:58:41.638				T__			m_e		
MOX	76.57	P	21:58:34.668	0.5	27.2	5.62	TAS	28.8	1.08	m_e	mb	5.3
MOX	76.57	pP	21:58:39.235				T__			m_e		
MOX	76.57	L	22:35:43.544				T__	115.1	18.00	a_e	Ms	4.2
NEUB	76.04	P	21:58:31.489	-0.0	27.2	5.62	TAS	42.7	1.06	m_e	mb	5.5
NRDL	75.36	P	21:58:27.677	-0.1	27.2	5.62	TAS	19.2	0.94	m_e	mb	5.1
PLN	76.55	P	21:58:34.623	-0.1	27.2	5.62	TAS	20.2	0.94	m_e	mb	5.2
PLN	76.55	pP	21:58:39.288				T__			m_e		
RETH	75.34	P	21:58:27.856	0.2	27.2	5.62	TAS	26.2	1.05	m_e	mb	5.2
RJOB	78.78	P	21:58:47.474		27.2	5.62	TAS	27.0	0.94	m_e	mb	5.3
RJOB	78.78	pP	21:58:50.518				T__			m_e		
ROTZ	77.17	P	21:58:38.391	-0.5	27.2	5.62	TAS	7.8	1.06	m_e	mb	4.8
ROTZ	77.17	pP	21:58:42.666				T__			m_e		
RUE	74.32	P	21:58:21.935	-0.5	27.2	5.62	TAS	72.7	1.30	m_e	mb	5.5
STU	78.95	P	21:58:47.959		27.2	5.62	TAS	73.9	0.82	m_e	mb	5.8
TANN	76.52	P	21:58:34.309	-0.3	27.2	5.62	TAS	16.8	0.94	m_e	mb	5.1
TANN	76.52	pP	21:58:39.142				T__			m_e		
TNS	77.86	P	21:58:42.069	-0.1	27.2	5.62	TAS	28.6	0.88	m_e	mb	5.4
UBBA	76.88	P	21:58:36.417	0.5	27.2	5.62	TAS	17.1	1.11	m_e	mb	5.1
UBR	79.67	P	21:58:51.605		27.2	5.62	TAS	15.8	0.98	m_e	mb	4.9
WET	77.52	P	21:58:40.544		27.2	5.62	TAS	47.8	1.00	m_e	mb	5.6
WET	77.52	pP	21:58:44.711				T__			m_e		

Event 80414001 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/14	03:29:43.90			54.4500	-160.9300				27.0					76.02	76.02	m i ke	EMSC
80414033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80414007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	76.02		P	03:41:29.353		355.3		5.10		TAS		6.8	1.03	m_e	mb	4.7

Event 80414004 Azores Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/14	16:53:11.60			40.4600	-29.4200				10.0					29.83	30.13	m i ke	EMSC
80414036																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80414010
Ms	4.6		BGR	80414010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	29.83		P	16:59:18.228		267.6		8.74		TAS		33.0	1.25	m_e	mb 5.0
GRA1	29.83		L	17:09:20.205						T__		1410.1	20.10	a_e	Ms 4.6
MOX	30.13		L	17:09:22.009						T__		1307.4	21.70	a_e	Ms 4.5

Event 80414005 Azores Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/14	16:56:18.80			40.3700	-30.5800				10.0					30.63	30.92	m i ke	EMSC
OrigID 80414037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80414011
Ms	4.6		BGR	80414011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	30.63		P	17:02:32.117		266.9		8.81		TAS		8.1	1.15	m_e	mb 4.5
GRA1	30.63		L	17:09:20.219						T__		1410.1	20.10	a_e	Ms 4.6
MOX	30.92		L	17:09:22.021						T__		1307.4	21.70	a_e	Ms 4.6

Event 80414006 Sunda Strait, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/14	18:02:26.80			-6.0700	105.5000				60.0					97.36	97.36	m i ke	EMSC
OrigID 80414038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80414012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	97.36		P	18:15:56.234		90.7		3.57		TAS		7.2	1.10	m_e	mb 5.2

Event 80414007 Azores Islands region

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

2018/04/14 18:34:12.60 40.7100 -29.3200 10.0 29.63 29.93 m i ke EMSC  
80414039

Magnitude Err Nsta Author OrigID  
mb 4.7 BGR 80414013  
Ms 4.8 BGR 80414013

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 29.63 P 18:40:18.332 268.0 8.84 TAS 14.5 1.04 m\_e mb 4.7  
GRA1 29.63 L 18:51:17.781 T\_\_ 2635.5 18.10 a\_e Ms 4.9  
MOX 29.93 L 18:50:34.521 T\_\_ 1570.0 20.50 a\_e Ms 4.6

Event 80414008 Azores Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2018/04/14 21:37:45.70 40.4900 -29.3100 10.0 29.74 30.04 m i ke EMSC  
80414040

Magnitude Err Nsta Author OrigID  
mb 4.7 BGR 80414014  
Ms 4.2 BGR 80414014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 29.74 P 21:43:52.560 267.6 8.75 TAS 15.2 1.14 m\_e mb 4.7  
GRA1 29.74 L 21:54:25.369 T\_\_ 577.1 18.80 a\_e Ms 4.2  
MOX 30.04 L 21:53:57.370 T\_\_ 478.7 21.20 a\_e Ms 4.1

Event 80415001 Reykjanes Ridge

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2018/04/15 07:59:27.90 58.4000 -31.9600 10.0 26.05 26.39 m i ke EMSC  
80415033

Magnitude Err Nsta Author OrigID  
mb 4.3 BGR 80415007  
Ms 3.7 BGR 80415007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 26.39 P 08:05:03.591 302.1 8.91 TAS 9.5 1.24 m\_e mb 4.3  
GRA1 26.39 L 08:14:27.221 T\_\_ 197.6 21.90 a\_e Ms 3.6  
MOX 26.05 L 08:15:18.079 T\_\_ 246.5 18.20 a\_e Ms 3.8

Event 80415002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/15	19:43:56.90	4.45	0.59	17.9200	122.2600	93.4	56.7	142	47.0			4	342	88.32	91.72	m i ke	EMSC

OrigID  
80415034

Magnitude Err Nsta Author OrigID  
mb 4.9 BGR 80415008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	91.72		P	12:00:08.020	-0.8	62.7		4.55		TAS					m_e
GEC2	88.32		P	11:59:41.881	-0.1	62.7		4.55		TAS					m_e
GRA1	89.39		P	19:56:47.703		62.7		4.55		TAS		13.7	1.79	m_e mb	4.9
RJOB	89.34		P	11:59:34.513	0.1	62.7		4.55		TAS					m_e
UBR	90.98		P	11:59:51.714	0.8	62.7		4.55		TAS					m_e

Event 80415003 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/15	21:15:14.70			-16.2700	-172.8400				136.0			14		146.50	146.50	m i ke	NEIC

OrigID  
80415042

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.50		PKP	21:34:40.552		7.1		3.11		TAS					m_e

Event 80416001 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/15	23:40:20.60			-23.6500	-175.2700				10.0					153.51	153.51	m i ke	EMSC

OrigID  
80416033

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.51		PKP	00:00:32.796		13.4		3.98		TAS					m_e

Event 80416008 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/16	18:08:44.51			32.9300	139.1810				33.0			24		82.53	87.80	m i ke	BGR
OrigID 80416014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	80416014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.75		P	18:21:24.899	0.0	41.6		4.98		TAS		262.5	2.84	m_e	mb	5.9
ASSE	84.08		P	18:21:10.794	0.2	41.6		4.98		TAS		20.4	0.86	m_e	mb	5.4
BRG	83.62		P	18:21:08.620	-0.1	41.6		4.98		TAS		41.9	0.96	m_e	mb	5.6
BSEG	82.86		P	18:21:04.941	0.0	41.6		4.98		TAS		62.8	0.85	m_e	mb	5.9
BUG	85.97		P	18:21:19.648	-0.1	41.6		4.98		TAS		39.8	0.99	m_e	mb	5.5
CLL	83.71		P	18:21:08.996	0.0	41.6		4.98		TAS		109.7	0.96	m_e	mb	6.1
CLZ	84.42		P	18:21:12.968	-0.7	41.6		4.98		TAS		95.0	1.03	m_e	mb	6.0
FLT1	83.69		P	18:21:08.578	0.4	41.6		4.98		TAS		99.3	0.78	m_e	mb	6.1
GEC2	85.20		P	18:21:16.418		41.6		4.98		TAS		14.4	0.83	m_e	mb	5.2
GOR1	83.17		P	18:21:06.404	-0.1	41.6		4.98		TAS		56.7	1.01	m_e	mb	5.7
GRA1	85.67		P	18:21:18.876		41.6		4.98		TAS		27.1	0.89	m_e	mb	5.4
GTTG	84.81		P	18:21:14.724	-0.1	41.6		4.98		TAS		60.3	0.92	m_e	mb	5.8
IBBN	85.10		P	18:21:16.020	-0.1	41.6		4.98		TAS		103.7	0.66	m_e	mb	6.2
KAST	85.70		P	18:21:18.905	-0.0	41.6		4.98		TAS		26.7	0.83	m_e	mb	5.4
MANZ	85.07		P	18:21:15.874	-0.1	41.6		4.98		TAS		3.5	0.72	m_e	mb	4.7
MOX	84.79		P	18:21:14.431	-0.1	41.6		4.98		TAS		45.6	1.40	m_e	mb	5.5
NEUB	84.32		P	18:21:12.132	-0.1	41.6		4.98		TAS		105.9	0.95	m_e	mb	6.0
NRDL	84.03		P	18:21:10.585	0.0	41.6		4.98		TAS		29.7	0.88	m_e	mb	5.5
PLN	84.68		P	18:21:13.784	0.2	41.6		4.98		TAS		37.3	1.38	m_e	mb	5.4
RETH	84.14		P	18:21:11.212	0.3	41.6		4.98		TAS		65.2	1.15	m_e	mb	5.8
ROTZ	85.19		P	18:21:16.706		41.6		4.98		TAS		22.7	1.62	m_e	mb	5.1
RUE	82.53		P	18:21:03.477	-0.4	41.6		4.98		TAS		87.0	1.00	m_e	mb	5.9
UBBA	85.34		P	18:21:17.149	0.7	41.6		4.98		TAS		38.0	1.41	m_e	mb	5.4
WLF	87.80		P	18:21:29.342		41.6		4.98		TAS		108.5	2.16	m_e	mb	5.8

Event 80417004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/17	19:59:03.94			-16.1310	-175.5000				400.0			9		144.25	145.20	m i ke	BGR
OrigID 80417010																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	144.52		PKPbc	20:18:33.862		11.6		3.61		TAS				m_e	
BUG	144.71		PKPbc	20:18:34.621		11.6		3.61		TAS				m_e	

CLL	144.25	PKPbc	20:18:32.734	11.6	3.61	TAS	m_e
GTTG	144.40	PKPbc	20:18:33.780	11.6	3.61	TAS	m_e
KAST	144.87	PKPbc	20:18:35.298	11.6	3.61	TAS	m_e
MOX	145.10	PKPbc	20:18:35.872	11.6	3.61	TAS	m_e
NEUB	144.54	PKPbc	20:18:33.883	11.6	3.61	TAS	m_e
PLN	145.18	PKPbc	20:18:36.214	11.6	3.61	TAS	m_e
TANN	145.20	PKPbc	20:18:36.399	11.6	3.61	TAS	m_e

Event 80418007 South Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/18	13:07:20.30			-0.7170	-5.9180				33.0		26		50.19	56.11	m i ke	BGR
80418013																

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80418013
Ms	3.9		BGR	80418013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	54.48		P	13:16:46.235	0.2	201.8		7.41		TAS		11.3	1.00	m_e	mb	4.9
BFO	50.39		P	13:16:15.874		201.8		7.41		TAS		12.2	0.87	m_e	mb	4.8
BRG	54.11		P	13:16:43.901	-0.1	201.8		7.41		TAS		18.7	1.09	m_e	mb	5.0
BSEG	56.11		P	13:16:57.827	0.2	201.8		7.41		TAS		41.5	1.03	m_e	mb	5.4
BUG	53.16		P	13:16:36.760	-0.2	201.8		7.41		TAS		28.8	1.02	m_e	mb	5.1
CLZ	54.15		P	13:16:44.127	-0.0	201.8		7.41		TAS		25.0	0.95	m_e	mb	5.2
FLT1	54.79		P	13:16:48.814	0.3	201.8		7.41		TAS		26.0	1.09	m_e	mb	5.2
GEC2	52.20		P	13:16:30.329		201.8		7.41		TAS		72.2	0.94	m_e	mb	5.6
GOR1	55.43		P	13:16:53.932	0.5	201.8		7.41		TAS		46.2	0.98	m_e	mb	5.5
GRA1	52.33		P	13:16:30.560		201.8		7.41		TAS		23.1	0.99	m_e	mb	5.1
GRA1	52.33		L	13:45:25.896						T__		123.0	21.30	a_e	Ms	3.9
IBBN	54.07		P	13:16:43.624	-0.0	201.8		7.41		TAS		25.4	0.97	m_e	mb	5.2
KAST	53.14		P	13:16:36.748	-0.1	201.8		7.41		TAS		25.9	0.93	m_e	mb	5.1
MANZ	52.82		P	13:16:34.535	-0.5	201.8		7.41		TAS		10.4	1.06	m_e	mb	4.7
MOX	53.31		P	13:16:37.863	-0.0	201.8		7.41		TAS		27.8	1.14	m_e	mb	5.1
MOX	53.31		L	13:40:43.515						T__		124.1	20.20	a_e	Ms	4.0
NEUB	53.86		P	13:16:42.028	-0.2	201.8		7.41		TAS		22.3	0.91	m_e	mb	5.2
NRDL	54.71		P	13:16:48.703	-0.2	201.8		7.41		TAS		38.5	1.31	m_e	mb	5.3
PLN	53.30		P	13:16:37.788	-0.2	201.8		7.41		TAS		10.1	0.86	m_e	mb	4.8
RETH	54.79		P	13:16:48.909	0.3	201.8		7.41		TAS		13.6	1.30	m_e	mb	4.8
RJOB	50.94		P	13:16:20.372		201.8		7.41		TAS		21.3	0.59	m_e	mb	5.3
ROTZ	52.65		P	13:16:33.050	0.1	201.8		7.41		TAS		3.6	0.86	m_e	mb	4.3
TANN	53.31		P	13:16:37.761	0.1	201.8		7.41		TAS		20.4	1.06	m_e	mb	5.0
TNS	52.22		P	13:16:29.644	0.7	201.8		7.41		TAS		50.1	0.79	m_e	mb	5.5
UBBA	53.10		P	13:16:36.237	0.1	201.8		7.41		TAS		24.9	1.44	m_e	mb	4.9
UBR	50.19		P	13:16:14.406		201.8		7.41		TAS		29.5	0.96	m_e	mb	5.2
WET	52.25		P	13:16:30.197		201.8		7.41		TAS		17.1	0.91	m_e	mb	5.0



WLF 51.25 P 13:16:22.616 -0.5 201.8 7.41 TAS 29.4 0.97 m\_e mb 5.2

Event 80419003 Persian Gulf

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/19	06:34:56.19			28.6400	50.7500				16.8	3.9		29		34.77	39.72	m i ke	BGR
80419009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80419009
Ms	5.0		BGR	80419009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	39.39		P	06:42:22.179	-0.3	112.0		8.53		TAS				m_e	
ASSE	37.81		P	06:42:08.828	0.1	112.0		8.53		TAS				m_e	
BFO	37.99		P	06:42:10.485	0.6	112.0		8.53		TAS				m_e	
BFO	37.99		pP	06:42:14.633	1.4					T__				m_e	
BRG	35.43		P	06:41:48.677	-0.0	112.0		8.53		TAS		12.1	0.92	m_e mb	4.8
BSEG	38.73		P	06:42:16.901	0.2	112.0		8.53		TAS		79.9	1.08	m_e mb	5.3
BUG	39.55		P	06:42:23.510		112.0		8.53		TAS		48.0	1.20	m_e mb	5.0
CLL	36.15		P	06:41:54.657	-0.4	112.0		8.53		TAS				m_e	
CLZ	37.87		P	06:42:09.867	-0.6	112.0		8.53		TAS		44.5	0.85	m_e mb	5.2
CLZ	37.87		pP	06:42:13.938	1.4					T__				m_e	
FLT1	37.57		P	06:42:06.879	-0.0	112.0		8.53		TAS		44.4	0.97	m_e mb	5.2
FUR	36.06		P	06:41:54.340		112.0		8.53		TAS		75.7	0.93	m_e mb	5.5
FUR	36.06		pP	06:41:58.514	1.4					T__				m_e	
GEC2	34.77		P	06:41:43.098	0.8	112.0		8.53		TAS				m_e	
GEC2	34.77		pP	06:41:47.497	1.4					T__				m_e	
GRA1	36.59		P	06:41:58.944	0.6	112.0		8.53		TAS				m_e	
GRA1	36.59		pP	06:42:02.728	1.4					T__				m_e	
GRA1	36.59		L	07:02:43.180						T__		3032.4	18.60	a_e Ms	5.1
GTTG	38.00		P	06:42:11.101	-0.1	112.0		8.53		TAS		19.7	0.89	m_e mb	4.8
GTTG	38.00		pP	06:42:15.888	1.4					T__				m_e	
IBBN	39.55		P	06:42:23.646		112.0		8.53		TAS		29.4	0.90	m_e mb	4.9
KAST	38.79		P	06:42:17.073	-0.3	112.0		8.53		TAS		30.7	1.03	m_e mb	4.9
KAST	38.79		pP	06:42:22.507	1.4					T__				m_e	
MANZ	36.16		P	06:41:54.998	0.1	112.0		8.53		TAS		2.7	0.95	m_e mb	4.1
MANZ	36.16		pP	06:41:59.256	1.4					T__				m_e	
MOX	36.70		P	06:41:59.423	-0.1	112.0		8.53		TAS				m_e	
MOX	36.70		L	06:59:21.554						T__		2336.2	21.50	a_e Ms	4.9
NEUB	36.82		P	06:42:00.544	-0.5	112.0		8.53		TAS		22.9	0.90	m_e mb	4.9
NEUB	36.82		pP	06:42:04.707	1.4					T__				m_e	
NRDL	38.27		P	06:42:13.672	0.5	112.0		8.53		TAS		68.8	0.96	m_e mb	5.4
NRDL	38.27		pP	06:42:18.194	1.4					T__				m_e	
RGN	37.42		P	06:42:05.276	1.4	112.0		8.53		TAS		149.8	0.82	m_e mb	5.8
RGN	37.42		pP	06:42:10.329	1.4					T__				m_e	

RJOB	34.95	P	06:41:45.011		112.0		8.53	TAS									m_e
RJOB	34.95	pP	06:41:49.445	1.4				T__									m_e
ROTZ	36.02	P	06:41:54.041	-0.4	112.0		8.53	TAS									m_e
ROTZ	36.02	pP	06:41:57.935	1.4				T__									m_e
RUE	36.22	P	06:41:55.296		112.0		8.53	TAS			92.9	1.08					m_e mb 5.5
TANN	36.11	P	06:41:54.400	0.0	112.0		8.53	TAS									m_e
TNS	38.46	P	06:42:14.611	-0.5	112.0		8.53	TAS			14.2	0.98					m_e mb 4.7
UBBA	37.72	P	06:42:08.272	-0.5	112.0		8.53	TAS			64.5	1.55					m_e mb 5.1
UBR	36.66	P	06:41:58.944		112.0		8.53	TAS			51.3	0.97					m_e mb 5.2
UBR	36.66	pP	06:42:03.474	1.4				T__									m_e
WET	35.39	P	06:41:48.121	0.7	112.0		8.53	TAS			11.6	1.01					m_e mb 4.8
WET	35.39	pP	06:41:52.217	1.4				T__									m_e
WLF	39.72	P	06:42:24.627	-0.2	112.0		8.53	TAS			24.9	0.94					m_e mb 4.8

Event 80419004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/19	11:38:34.21			41.1190	140.5970				47.7	1.2		11		76.14	79.05	m i ke	BGR
	80419010																

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80419010
Ms	4.3		BGR	80419010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BSEG	76.14		P	11:50:17.746	-0.4	36.4		5.48		TAS		12.4	0.94	m_e mb	5.0
CHRS	77.84		P	11:50:26.809		36.4		5.48		TAS				m_e	
CLL	77.25		P	11:50:23.322	0.1	36.4		5.48		TAS		10.1	0.75	m_e mb	5.0
CLL	77.25		pP	11:50:37.251						T__				m_e	
CLZ	77.81		P	11:50:26.809		36.4		5.48		TAS				m_e	
CLZ	77.81		pP	11:50:40.641						T__				m_e	
FLT1	77.10		P	11:50:22.335	-0.2	36.4		5.48		TAS		12.1	0.77	m_e mb	5.1
FLT1	77.10		pP	11:50:35.910						T__				m_e	
GEC2	78.92		P	11:50:32.889		36.4		5.48		TAS		5.4	0.80	m_e mb	4.6
GEC2	78.92		pP	11:50:46.287						T__				m_e	
GOR1	76.55		P	11:50:19.926	-0.3	36.4		5.48		TAS		219.0	2.96	m_e mb	5.8
IBBN	78.37		P	11:50:29.562		36.4		5.48		TAS				m_e	
IBBN	78.37		pP	11:50:43.492						T__				m_e	
KAST	79.05		P	11:50:33.348		36.4		5.48		TAS		4.5	0.97	m_e mb	4.5
KAST	79.05		pP	11:50:46.772						T__				m_e	
MANZ	78.65		pP	11:50:45.404						T__				m_e	
MOX	78.31		P	11:50:29.218		36.4		5.48		TAS				m_e	
MOX	78.31		pP	11:50:43.123						T__				m_e	
MOX	78.31		L	12:30:22.736						T__		130.7	18.40	a_e Ms	4.3
PLN	78.23		pP	11:50:42.693						T__				m_e	
ROTZ	78.79		P	11:50:32.086		36.4		5.48		TAS		2.2	1.06	m_e mb	4.1



PLN 151.84 PKPbc 00:19:49.535 10.7 2.31 TAS m\_e

## Event 80420010 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/20	22:29:28.65			18.0480	95.6180				33.0			23		70.96	76.12	m i ke	BGR
OrigID 80420016																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80420016
Ms	4.1		BGR	80420016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	72.89		P	22:40:52.794	-0.1	82.2		5.94		TAS		7.4	1.17	m_e mb	4.7
BFO	74.97		P	22:41:05.214		82.2		5.94		TAS		8.0	1.09	m_e mb	4.7
BRG	71.00		P	22:40:42.083	0.2	82.2		5.94		TAS		11.0	0.76	m_e mb	5.1
BSEG	72.88		P	22:40:53.539	0.2	82.2		5.94		TAS		21.6	1.04	m_e mb	5.2
CLL	71.55		P	22:40:45.056	0.1	82.2		5.94		TAS		7.5	0.91	m_e mb	4.8
CLZ	73.12		P	22:40:54.878	-0.2	82.2		5.94		TAS		28.1	1.33	m_e mb	5.2
FLT1	72.52		P	22:40:50.443	-0.2	82.2		5.94		TAS		8.0	1.02	m_e mb	4.8
GEC2	71.36		P	22:40:44.587		82.2		5.94		TAS		33.6	1.34	m_e mb	5.3
GRA1	72.87		P	22:40:54.085		82.2		5.94		TAS		29.4	1.21	m_e mb	5.3
GRA1	72.87		L	23:16:53.006						T__		123.7	21.00	a_e Ms	4.2
MANZ	72.27		P	22:40:50.116		82.2		5.94		TAS		6.7	1.38	m_e mb	4.6
MOX	72.50		P	22:40:50.860	0.2	82.2		5.94		TAS		12.2	1.15	m_e mb	4.9
MOX	72.50		L	23:18:32.733						T__		93.6	20.90	a_e Ms	4.0
NEUB	72.33		P	22:40:49.824	0.6	82.2		5.94		TAS		12.7	0.97	m_e mb	5.0
NRDL	73.19		P	22:40:55.324	-0.6	82.2		5.94		TAS		37.1	1.41	m_e mb	5.3
PLN	72.17		P	22:40:49.074	-0.5	82.2		5.94		TAS		11.5	1.21	m_e mb	4.9
RETH	73.61		P	22:40:57.570	-0.7	82.2		5.94		TAS		23.2	1.54	m_e mb	5.0
RJOB	72.10		P	22:40:48.330		82.2		5.94		TAS		10.1	1.14	m_e mb	4.8
ROTZ	72.23		P	22:40:50.116		82.2		5.94		TAS		8.9	1.27	m_e mb	4.8
RUE	70.96		P	22:40:41.782	0.2	82.2		5.94		TAS		47.6	1.24	m_e mb	5.5
TANN	71.99		P	22:40:47.883	-0.3	82.2		5.94		TAS		13.9	1.19	m_e mb	5.0
TNS	74.56		P	22:41:03.440	-0.2	82.2		5.94		TAS		13.5	1.07	m_e mb	4.9
UBR	73.90		P	22:40:59.148		82.2		5.94		TAS		17.9	1.23	m_e mb	5.0
WET	71.87		P	22:40:47.586		82.2		5.94		TAS		20.4	1.24	m_e mb	5.1
WLF	76.12		P	22:41:12.829		82.2		5.94		TAS		36.8	1.17	m_e mb	5.4

## Event 80421001 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/21	00:20:06.80	1.81	2.22	39.9500	23.7200	71.2	54.5	132	10.0			24	341	11.07	16.67	m i ke	EMSC
OrigID																	

80421033

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	15.15		Pn	00:23:46.875	2.0					T__					m_e	
BFO	13.85		Pn	00:23:20.959	-2.3					T__					m_e	
BSEG	16.67		Pn	00:24:03.381	-2.8					T__					m_e	
BUG	16.21		Pn	00:23:59.168	2.2					T__					m_e	
CLL	13.59		Pn	00:23:24.298	-0.5					T__					m_e	
FLT1	15.08		Pn	00:23:45.576	1.2					T__					m_e	
GEC2	11.41		Pn	00:22:51.565	-2.5					T__					m_e	
GRA1	13.16		Pn	00:23:15.302	-1.4					T__					m_e	
GTTG	15.02		Pn	00:23:46.014	3.5					T__					m_e	
IBBN	16.54		Pn	00:24:02.744	0.5					T__					m_e	
KAST	15.50		Pn	00:23:47.732	-0.1					T__					m_e	
MANZ	12.96		Pn	00:23:10.907	-3.8					T__					m_e	
MOX	13.65		Pn	00:23:23.307	-1.0					T__					m_e	
NEUB	13.99		Pn	00:23:30.617	1.2					T__					m_e	
NRDL	15.65		Pn	00:23:51.240	-0.3					T__					m_e	
PLN	13.30		Pn	00:23:25.079	5.3					T__					m_e	
RETH	16.14		Pn	00:23:57.880	-0.0					T__					m_e	
RJOB	11.07		Pn	00:22:47.026	-0.8					T__					m_e	
ROTZ	12.75		Pn	00:23:11.692	-0.2					T__					m_e	
TANN	13.12		Pn	00:23:17.049	-0.4					T__					m_e	
TNS	14.87		Pn	00:23:41.944	3.4					T__					m_e	
UBR	12.49		Pn	00:23:03.611	-1.6					T__					m_e	
WET	12.00		Pn	00:22:58.511	-3.2					T__					m_e	
WLF	15.77		Pn	00:23:51.085	1.8					T__					m_e	

Event 80421003 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
2018/04/21	09:47:24.64		36.4700	140.6600					33.0			23		80.29	85.50	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	80421009
Ms	4.8		BGR	80421009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	85.50		P	09:59:59.206		38.5		5.16		TAS		38.6	1.01	m_e mb	5.6
BRG	81.23		P	09:59:37.669	0.1	38.5		5.16		TAS		15.5	0.93	m_e mb	5.0
BSEG	80.29		P	09:59:32.785	-0.5	38.5		5.16		TAS		46.1	1.14	m_e mb	5.3
CLL	81.28		P	09:59:37.807	0.2	38.5		5.16		TAS		37.3	0.92	m_e mb	5.4
CLZ	81.91		P	09:59:41.471	0.1	38.5		5.16		TAS		35.1	1.11	m_e mb	5.4

FLT1	81.19	P	09:59:37.025	-0.1	38.5	5.16	TAS	34.4	1.04	m_e	mb	5.3
FUR	84.42	P	09:59:54.520		38.5	5.16	TAS	45.4	0.85	m_e	mb	5.7
GEC2	82.87	P	09:59:46.021	0.1	38.5	5.16	TAS	18.3	1.18	m_e	mb	5.2
GOR1	80.65	P	09:59:34.927	-0.1	38.5	5.16	TAS	54.3	1.34	m_e	mb	5.4
GRA1	83.25	P	09:59:48.708		38.5	5.16	TAS	63.8	1.07	m_e	mb	5.8
GRA1	83.25	L	10:40:47.341				T__	387.5	19.50	a_e	Ms	4.8
IBBN	82.52	P	09:59:44.379	0.1	38.5	5.16	TAS	32.5	1.07	m_e	mb	5.5
MANZ	82.66	P	09:59:45.316	0.2	38.5	5.16	TAS	4.4	1.06	m_e	mb	4.6
MOX	82.35	P	09:59:43.412	0.5	38.5	5.16	TAS	23.3	1.26	m_e	mb	5.2
MOX	82.35	L	10:41:19.336				T__	329.2	19.00	a_e	Ms	4.7
NEUB	81.86	P	09:59:41.120	0.1	38.5	5.16	TAS	43.5	0.96	m_e	mb	5.6
PLN	82.26	P	09:59:43.143	-0.3	38.5	5.16	TAS	14.4	1.22	m_e	mb	5.0
RETH	81.58	P	09:59:39.445	-0.1	38.5	5.16	TAS	27.7	1.15	m_e	mb	5.3
RJOB	84.11	P	09:59:52.830		38.5	5.16	TAS	27.6	1.14	m_e	mb	5.4
ROTZ	82.79	P	09:59:46.052	0.2	38.5	5.16	TAS	12.0	1.37	m_e	mb	4.9
STU	84.80	P	09:59:56.080		38.5	5.16	TAS	128.4	1.06	m_e	mb	6.1
TANN	82.19	P	09:59:42.640	0.2	38.5	5.16	TAS	27.9	1.65	m_e	mb	5.1
TNS	83.93	P	09:59:51.745		38.5	5.16	TAS	30.0	1.31	m_e	mb	5.4
WET	82.99	P	09:59:46.899	-0.6	38.5	5.16	TAS	20.1	1.19	m_e	mb	5.2
WLF	85.26	P	09:59:58.569		38.5	5.16	TAS	38.7	1.24	m_e	mb	5.5

Event 80421005 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/21	20:03:52.00			31.2000	56.3500				10.0			9		36.55	40.37	m i ke	EMSC
80421037																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80421011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
CLL	37.59	P		20:11:06.776		101.6		8.28		TAS		16.6	1.22	m_e	mb	4.6
GEC2	36.55	P		20:10:57.274		101.6		8.28		TAS		14.6	1.06	m_e	mb	4.6
GRA1	38.32	P		20:11:12.406		101.6		8.28		TAS		14.1	1.11	m_e	mb	4.6
KAST	40.37	P		20:11:28.797		101.6		8.28		TAS		11.8	1.11	m_e	mb	4.4
RJOB	36.92	P		20:10:59.834		101.6		8.28		TAS		14.3	1.22	m_e	mb	4.6
ROTZ	37.71	P		20:11:07.067		101.6		8.28		TAS		1.6	1.03	m_e	mb	3.7
TNS	40.18	P		20:11:28.015		101.6		8.28		TAS		13.8	0.93	m_e	mb	4.6
UBR	38.70	P		20:11:14.226		101.6		8.28		TAS		18.1	0.93	m_e	mb	4.7
WET	37.14	P		20:11:01.708		101.6		8.28		TAS		10.2	1.12	m_e	mb	4.5

Event 80422001 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID  
 2018/04/22 12:35:45.00 31.2900 56.3200 10.0 8 36.47 40.10 m i ke EMSC  
 80422033

Magnitude Err Nsta Author OrigID  
 mb 4.3 BGR 80422007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
CLL	37.51		P	12:43:00.101	0.2	101.5		8.48		TAS		9.9	1.14	m_e	mb	4.4
CLZ	39.23		P	12:43:14.605	0.1	101.5		8.48		TAS		9.3	1.01	m_e	mb	4.4
GEC2	36.47		P	12:42:50.429	-0.0	101.5		8.48		TAS		9.6	0.98	m_e	mb	4.6
RJOB	36.84		P	12:42:53.306	0.5	101.5		8.48		TAS		6.7	0.82	m_e	mb	4.4
ROTZ	37.63		P	12:43:00.516	-0.1	101.5		8.48		TAS		1.1	1.00	m_e	mb	3.5
TNS	40.10		P	12:43:21.524	0.1	101.5		8.48		TAS		15.8	1.09	m_e	mb	4.6
UBR	38.62		P	12:43:07.458	-0.1	101.5		8.48		TAS		10.2	0.84	m_e	mb	4.5
WET	37.07		P	12:42:55.016	-0.6	101.5		8.48		TAS		6.1	1.02	m_e	mb	4.3

Event 80422005 Tonga Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2018/04/22 16:59:11.14 -18.6830 -174.4670 33.0 10 147.74 150.84 m i ke BGR  
 80422011

Magnitude Err Nsta Author OrigID  
 Ms 5.5 BGR 80422011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	150.34		PKPbc	17:18:59.002	0.1	10.4		2.71		TAS				m_e		
GEC2	149.19		PKPbc	17:18:55.752	-0.1	10.4		2.71		TAS				m_e		
GRA1	148.73		PKPbc	17:18:54.596	0.2	10.4		2.71		TAS				m_e		
GRA1	148.73		L	18:26:24.551						T__		805.0	21.30	a_e	Ms	5.5
MANZ	148.33		PKPbc	17:18:53.541	0.2	10.4		2.71		TAS				m_e		
MOX	147.74		L	18:30:03.240						T__		687.4	20.10	a_e	Ms	5.4
RJOB	150.42		PKPbc	17:18:58.835	-0.3	10.4		2.71		TAS				m_e		
ROTZ	148.53		PKPbc	17:18:53.820	-0.1	10.4		2.71		TAS				m_e		
TNS	148.45		PKPbc	17:18:53.430	-0.4	10.4		2.71		TAS				m_e		
UBR	150.84		PKPbc	17:19:00.273	0.1	10.4		2.71		TAS				m_e		
WET	149.04		PKPbc	17:18:55.547	0.2	10.4		2.71		TAS				m_e		
WLF	149.09		PKPbc	17:18:55.910	0.1	10.4		2.71		TAS				m_e		

Event 80422003 Thailand

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

2018/04/22 18:31:33.45 17.9440 99.6730 33.0 75.55 75.55 m i ke BGR  
80422009

Magnitude Err Nsta Author OrigID  
mb 4.7 BGR 80422009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 75.55 P 18:43:14.467 90.0 5.04 TAS 8.2 1.24 m\_e mb 4.7

Event 80423006 Colombia  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2018/04/23 15:42:07.90 5.8000 -74.0970 33.0 28 79.29 84.31 m i ke BGR  
80423012

Magnitude Err Nsta Author OrigID  
mb 5.2 BGR 80423012  
Ms 4.0 BGR 80423012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
AHRW 79.94 P 15:54:14.404 0.3 270.1 5.19 TAS 28.2 0.86 m\_e mb 5.2  
ASSE 82.24 P 15:54:26.257 0.2 270.1 5.19 TAS 17.2 1.04 m\_e mb 5.1  
BFO 80.66 P 15:54:17.323 -0.6 270.1 5.19 TAS 13.1 0.87 m\_e mb 5.0  
BRG 84.31 P 15:54:36.718 -0.1 270.1 5.19 TAS 23.9 0.97 m\_e mb 5.4  
BSEG 82.06 P 15:54:24.854 -0.2 270.1 5.19 TAS m\_e  
BUG 80.11 P 15:54:14.794 -0.2 270.1 5.19 TAS 23.9 0.87 m\_e mb 5.1  
CLL 83.70 P 15:54:33.543 -0.1 270.1 5.19 TAS 24.5 1.03 m\_e mb 5.4  
CLZ 82.06 P 15:54:25.220 0.1 270.1 5.19 TAS 20.7 0.88 m\_e mb 5.3  
FLT1 82.59 P 15:54:27.438 -0.4 270.1 5.19 TAS 24.1 0.77 m\_e mb 5.5  
GEC2 84.23 P 15:54:36.196 -0.2 270.1 5.19 TAS 21.5 0.94 m\_e mb 5.4  
GRA1 82.58 P 15:54:27.902 0.0 270.1 5.19 TAS 20.8 1.04 m\_e mb 5.3  
GRA1 82.58 L 16:25:24.688 T\_\_ 63.3 19.10 a\_e Ms 4.0  
GTTG 81.80 P 15:54:23.888 0.1 270.1 5.19 TAS 27.4 1.00 m\_e mb 5.3  
IBBN 80.46 P 15:54:16.828 0.3 270.1 5.19 TAS m\_e  
KAST 80.82 P 15:54:18.398 -0.3 270.1 5.19 TAS 12.9 0.99 m\_e mb 4.9  
MANZ 83.16 P 15:54:31.041 0.2 270.1 5.19 TAS 4.2 0.80 m\_e mb 4.7  
MOX 82.83 P 15:54:29.129 -0.0 270.1 5.19 TAS 14.5 1.13 m\_e mb 5.1  
MOX 82.83 L 16:28:00.595 T\_\_ 75.5 20.00 a\_e Ms 4.1  
NEUB 82.93 P 15:54:29.556 -0.1 270.1 5.19 TAS 18.6 0.74 m\_e mb 5.4  
NRDL 81.90 P 15:54:24.478 0.2 270.1 5.19 TAS m\_e  
PLN 83.18 P 15:54:30.928 -0.1 270.1 5.19 TAS 26.2 1.11 m\_e mb 5.4  
RETH 81.45 P 15:54:22.150 0.2 270.1 5.19 TAS m\_e  
RJOB 83.66 P 15:54:33.352 -0.1 270.1 5.19 TAS 22.1 1.31 m\_e mb 5.2  
ROTZ 83.22 P 15:54:31.449 0.2 270.1 5.19 TAS 3.7 1.13 m\_e mb 4.5  
TANN 83.38 P 15:54:32.239 0.2 270.1 5.19 TAS 26.5 1.02 m\_e mb 5.4  
TNS 80.80 P 15:54:18.685 0.1 270.1 5.19 TAS 28.1 0.95 m\_e mb 5.3



UBBA	81.81	P	15:54:23.950	0.1	270.1	5.19	TAS	16.4	1.38	m_e mb	5.0
UBR	81.84	P	15:54:24.332	0.3	270.1	5.19	TAS	18.3	1.01	m_e mb	5.2
WET	83.67	P	15:54:33.653	0.1	270.1	5.19	TAS	34.4	1.04	m_e mb	5.5
WLF	79.29	P	15:54:10.813	0.0	270.1	5.19	TAS	67.2	0.75	m_e mb	5.8

Event 80423007 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/23	18:01:34.26			12.0100	92.5340				29.7	4.6		13		73.59	76.14	m i ke	BGR
OrigID 80423013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80423013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	73.59		P	18:13:05.052	0.1	88.7		5.77		TAS		7.8	0.78	m_e mb	4.8
BSEG	75.81		P	18:13:17.956	0.2	88.7		5.77		TAS		17.0	0.89	m_e mb	5.2
CLL	74.19		P	18:13:08.244	-0.2	88.7		5.77		TAS		7.1	0.85	m_e mb	4.7
CLL	74.19		pP	18:13:17.133						T__				m_e	
CLZ	75.82		P	18:13:18.180	-0.3	88.7		5.77		TAS		11.7	0.82	m_e mb	5.0
FLT1	75.28		P	18:13:14.126	0.2	88.7		5.77		TAS		6.1	0.86	m_e mb	4.7
GEC2	73.72		P	18:13:05.899		88.7		5.77		TAS		11.6	0.89	m_e mb	4.9
GEC2	73.72		pP	18:13:14.865						T__				m_e	
GTTG	76.08		P	18:13:19.765	-0.1	88.7		5.77		TAS		14.4	0.82	m_e mb	5.1
MANZ	74.75		P	18:13:12.464	0.0	88.7		5.77		TAS		2.3	0.94	m_e mb	4.2
MANZ	74.75		pP	18:13:19.637						T__				m_e	
MOX	75.06		P	18:13:13.517	0.6	88.7		5.77		TAS		6.3	0.79	m_e mb	4.7
PLN	74.72		P	18:13:11.758	0.5	88.7		5.77		TAS		4.3	0.74	m_e mb	4.6
ROTZ	74.69		P	18:13:12.011	-0.0	88.7		5.77		TAS		2.9	0.98	m_e mb	4.3
UBR	76.14		P	18:13:19.443		88.7		5.77		TAS		7.0	0.79	m_e mb	4.8
WET	74.26		P	18:13:09.079	-0.4	88.7		5.77		TAS		9.4	0.92	m_e mb	4.8
WET	74.26		pP	18:13:18.047						T__				m_e	

Event 80424001 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/24	00:34:36.92			37.3300	37.5600				33.0				22	20.79	25.67	m i ke	BGR
OrigID 80424007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80424007
Ms	4.2		BGR	80424007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	23.98		P	00:39:53.976	-1.1	113.6		10.14		TAS		23.7	1.48	m_e	mb 4.5
BFO	23.95		P	00:39:49.942		113.6		10.14		TAS		36.5	1.03	m_e	mb 4.8
BRG	21.58		P	00:39:23.314	1.2	113.6		10.14		TAS		24.2	1.12	m_e	mb 4.5
BSEG	25.04		P	00:39:57.351	-0.4	113.6		10.14		TAS		38.4	1.43	m_e	mb 4.9
CLZ	24.01		P	00:39:48.064	-1.2	113.6		10.14		TAS		40.2	1.14	m_e	mb 4.8
FLT1	23.77		P	00:39:48.215	5.5	113.6		10.14		TAS		41.0	1.40	m_e	mb 4.8
FUR	22.03		P	00:39:29.287		113.6		10.14		TAS		67.0	0.80	m_e	mb 5.1
GEC2	20.79		P	00:39:16.189	0.9	113.6		10.14		TAS		49.7	0.89	m_e	mb 4.8
GOR1	24.05		P	00:39:49.150	0.8	113.6		10.14		TAS		74.9	1.67	m_e	mb 5.0
GRA1	22.62		P	00:39:34.541	0.4	113.6		10.14		TAS		51.5	1.04	m_e	mb 5.0
GRA1	22.62		L	00:52:51.365						T__		665.3	18.50	a_e	Ms 4.1
GTTG	24.11		P	00:39:49.075	-1.6	113.6		10.14		TAS		59.8	1.25	m_e	mb 5.0
IBBN	25.67		P	00:40:04.695	2.1	113.6		10.14		TAS		37.1	1.11	m_e	mb 4.9
KAST	24.86		P	00:39:56.498	-1.1	113.6		10.14		TAS		35.0	1.09	m_e	mb 5.0
MANZ	22.21		P	00:39:31.518	-0.6	113.6		10.14		TAS		12.5	1.47	m_e	mb 4.1
MOX	22.78		P	00:39:38.211	0.2	113.6		10.14		TAS		26.2	1.17	m_e	mb 4.7
MOX	22.78		L	00:49:55.289						T__		1102.5	19.10	a_e	Ms 4.3
PLN	22.40		P	00:39:32.382	-0.9	113.6		10.14		TAS		29.0	1.19	m_e	mb 4.6
RETH	24.97		P	00:39:57.427	-1.0	113.6		10.14		TAS		25.7	1.15	m_e	mb 4.8
RJOB	20.92		P	00:39:18.181		113.6		10.14		TAS		41.5	1.11	m_e	mb 4.7
STU	23.53		P	00:39:43.632		113.6		10.14		TAS		180.7	1.32	m_e	mb 5.4
UBBA	23.79		P	00:39:46.128	-0.8	113.6		10.14		TAS		57.3	1.61	m_e	mb 4.8
UBR	22.62		P	00:39:35.189		113.6		10.14		TAS		53.1	0.87	m_e	mb 5.1
WET	21.41		P	00:39:21.587	0.5	113.6		10.14		TAS		28.0	1.13	m_e	mb 4.5

Event 80424002 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/24	04:08:24.81			22.1840	94.5450				33.0			14		67.27	72.41	m i ke	BGR
	80424008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80424008
Ms	4.1		BGR	80424008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	67.27		P	04:19:15.349	-0.1	80.0		6.21		TAS		8.5	0.75	m_e	mb 5.0
BSEG	69.03		P	04:19:26.373	0.4	80.0		6.21		TAS		12.7	0.71	m_e	mb 5.2
CLZ	69.34		P	04:19:28.253	0.0	80.0		6.21		TAS		9.6	0.69	m_e	mb 5.1
FLT1	68.73		P	04:19:23.599	-0.8	80.0		6.21		TAS		7.3	0.90	m_e	mb 4.9
GEC2	67.71		P	04:19:18.355		80.0		6.21		TAS		8.3	0.83	m_e	mb 5.0
GOR1	68.59		P	04:19:23.467	0.0	80.0		6.21		TAS		15.4	0.92	m_e	mb 5.2
GRA1	69.18		L	04:52:47.877						T__		126.5	18.50	a_e	Ms 4.2
MANZ	68.56		P	04:19:23.832	0.5	80.0		6.21		TAS		1.7	0.84	m_e	mb 4.3
MOX	68.77		P	04:19:24.637	-0.1	80.0		6.21		TAS		5.8	0.97	m_e	mb 4.8

MOX	68.77	L	04:52:56.948						T__	110.0	20.50	a_e	Ms	4.1
PLN	68.45	P	04:19:22.674	-0.1	80.0	6.21			TAS	4.5	0.56	m_e	mb	4.9
ROTZ	68.54	P	04:19:23.796	0.2	80.0	6.21			TAS	4.2	0.69	m_e	mb	4.8
TANN	68.27	P	04:19:21.646	-0.0	80.0	6.21			TAS	5.2	0.71	m_e	mb	4.9
UBR	70.28	P	04:19:33.597		80.0	6.21			TAS	8.2	0.69	m_e	mb	5.0
WET	68.20	P	04:19:21.426	-0.5	80.0	6.21			TAS	6.5	0.95	m_e	mb	4.8
WLF	72.41	P	04:19:47.605	0.2	80.0	6.21			TAS	19.3	0.81	m_e	mb	5.3

Event 80424003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/24	08:53:26.13			43.9100	145.7940				86.6	1.1		26		75.37	80.83	m i ke	BGR
80424009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	80424009
Ms	4.6		BGR	80424009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.31		pP	09:05:43.059						T__				m_e	
ASSE	76.80		P	09:05:06.142	-0.3	31.6		5.55		TAS		28.3	1.06	m_e	mb 5.3
BFO	80.83		P	09:05:28.242	0.2	31.6		5.55		TAS		27.2	0.89	m_e	mb 5.3
BFO	80.83		pP	09:05:50.969						T__				m_e	
BRG	76.75		P	09:05:06.024	-0.2	31.6		5.55		TAS		32.0	0.95	m_e	mb 5.4
BRG	76.75		pP	09:05:28.598						T__				m_e	
BSEG	75.37		P	09:04:58.500	0.0	31.6		5.55		TAS		103.5	0.95	m_e	mb 5.8
BUG	78.46		P	09:05:15.664	0.0	31.6		5.55		TAS		79.9	1.08	m_e	mb 5.8
CLL	76.72		P	09:05:05.906	-0.1	31.6		5.55		TAS		142.3	1.04	m_e	mb 6.0
CLZ	77.14		P	09:05:08.610	0.2	31.6		5.55		TAS		76.5	0.95	m_e	mb 5.8
FLT1	76.44		P	09:05:03.908	-0.6	31.6		5.55		TAS		106.9	1.06	m_e	mb 5.9
FLT1	76.44		pP	09:05:26.674						T__				m_e	
FUR	79.98		P	09:05:24.128		31.6		5.55		TAS		80.2	0.78	m_e	mb 5.7
GEC2	78.54		P	09:05:16.134	-0.0	31.6		5.55		TAS		28.9	1.01	m_e	mb 5.3
GOR1	75.86		P	09:05:01.557	0.3	31.6		5.55		TAS		98.8	1.18	m_e	mb 5.8
GRA1	78.69		P	09:05:17.427	0.0	31.6		5.55		TAS		103.8	0.91	m_e	mb 5.8
GRA1	78.69		L	09:44:11.316						T__		292.3	18.40	a_e	Ms 4.7
GTTG	77.52		P	09:05:10.726	0.2	31.6		5.55		TAS		72.7	1.03	m_e	mb 5.8
GTTG	77.52		pP	09:05:33.506						T__				m_e	
IBBN	77.56		P	09:05:10.961	0.4	31.6		5.55		TAS		107.6	1.03	m_e	mb 5.9
KAST	78.31		P	09:05:15.048	0.2	31.6		5.55		TAS		48.3	1.02	m_e	mb 5.6
KAST	78.31		pP	09:05:37.616						T__				m_e	
MANZ	78.14		P	09:05:13.900	0.4	31.6		5.55		TAS		9.1	1.11	m_e	mb 4.8
MANZ	78.14		pP	09:05:36.597						T__				m_e	
MOX	77.75		P	09:05:11.314	-0.2	31.6		5.55		TAS		35.2	0.95	m_e	mb 5.5
MOX	77.75		L	09:43:31.808						T__		233.8	19.80	a_e	Ms 4.5
NEUB	77.23		P	09:05:08.867	-0.0	31.6		5.55		TAS		107.4	0.94	m_e	mb 6.0

NRDL	76.66	P	09:05:05.671	-0.0	31.6	5.55	TAS	33.2	0.96	m_e	mb	5.4
PLN	77.70	P	09:05:11.314	0.0	31.6	5.55	TAS	41.7	1.29	m_e	mb	5.4
PLN	77.70	pP	09:05:34.272				T__			m_e		
RETH	76.69	P	09:05:05.789	-0.0	31.6	5.55	TAS	78.5	1.07	m_e	mb	5.8
RETH	76.69	pP	09:05:28.523				T__			m_e		
RJOB	79.79	P	09:05:23.305		31.6	5.55	TAS	31.6	0.93	m_e	mb	5.2
ROTZ	78.29	P	09:05:14.958	0.5	31.6	5.55	TAS	8.9	1.05	m_e	mb	4.8
TANN	77.65	P	09:05:11.314	-0.0	31.6	5.55	TAS	43.8	1.30	m_e	mb	5.4
TNS	79.15	P	09:05:19.543	0.2	31.6	5.55	TAS	38.0	0.96	m_e	mb	5.4
WET	78.58	P	09:05:16.839	-0.7	31.6	5.55	TAS	71.7	1.04	m_e	mb	5.6
WET	78.58	pP	09:05:39.319				T__			m_e		

Event 80424006 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/24	15:51:20.89			34.0320	72.7950				33.0			25		45.32	50.40	m i ke	BGR
80424012																	

Magnitude Err Nsta Author  
mb 5.3 BGR

OrigID  
80424012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	49.70		P	16:00:08.207	-0.1	85.2		7.81		TAS		27.1	0.87	m_e	mb	5.2
BFO	49.17		P	16:00:03.668		85.2		7.81		TAS		10.9	0.92	m_e	mb	4.9
BRG	45.32		P	15:59:33.749	-0.1	85.2		7.81		TAS		50.0	1.10	m_e	mb	5.4
BSEG	47.46		P	15:59:50.263	0.1	85.2		7.81		TAS		41.5	0.92	m_e	mb	5.5
BUG	49.47		P	16:00:06.192	-0.4	85.2		7.81		TAS		41.6	1.02	m_e	mb	5.4
CLL	45.90		P	15:59:37.787	-0.1	85.2		7.81		TAS		21.7	0.98	m_e	mb	5.2
CLZ	47.51		P	15:59:50.728	-0.3	85.2		7.81		TAS		77.9	1.33	m_e	mb	5.7
FLT1	46.96		P	15:59:45.775	-0.1	85.2		7.81		TAS		55.1	0.74	m_e	mb	5.8
GEC2	45.57		P	15:59:35.739		85.2		7.81		TAS		14.8	1.12	m_e	mb	4.9
GOR1	46.89		P	15:59:45.905	0.1	85.2		7.81		TAS		52.1	1.06	m_e	mb	5.6
GRA1	47.13		P	15:59:49.211		85.2		7.81		TAS		140.0	1.70	m_e	mb	5.8
GTTG	47.79		P	15:59:53.188	-0.3	85.2		7.81		TAS		94.3	1.16	m_e	mb	5.8
IBBN	49.09		P	16:00:03.171	0.1	85.2		7.81		TAS		116.1	1.29	m_e	mb	5.8
MANZ	46.53		P	15:59:44.128	0.4	85.2		7.81		TAS		6.6	1.04	m_e	mb	4.7
MOX	46.81		P	15:59:45.533	0.4	85.2		7.81		TAS		42.5	1.27	m_e	mb	5.4
NEUB	46.68		P	15:59:44.295	-0.1	85.2		7.81		TAS		46.5	0.93	m_e	mb	5.6
NRDL	47.64		P	15:59:51.816	-0.7	85.2		7.81		TAS		70.5	1.33	m_e	mb	5.6
PLN	46.47		P	15:59:42.999	1.0	85.2		7.81		TAS		22.3	1.11	m_e	mb	5.1
RETH	48.08		P	15:59:55.167	0.1	85.2		7.81		TAS		35.6	1.29	m_e	mb	5.3
RJOB	46.27		P	15:59:41.625		85.2		7.81		TAS		17.6	0.77	m_e	mb	5.2
ROTZ	46.49		P	15:59:43.630	0.1	85.2		7.81		TAS		11.2	1.24	m_e	mb	4.8
TANN	46.28		P	15:59:41.444	-0.3	85.2		7.81		TAS		22.5	1.15	m_e	mb	5.1
UBBA	47.82		P	15:59:53.095	0.5	85.2		7.81		TAS		8.3	0.73	m_e	mb	5.0
UBR	48.08		P	15:59:55.477		85.2		7.81		TAS		32.6	0.83	m_e	mb	5.5

WLF 50.40 P 16:00:13.748 85.2 7.81 TAS 51.7 0.93 m\_e mb 5.5

Event 80424007 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/04/24 21:55:59.19 -25.1710 -178.7630 33.0 16 150.48 154.43 m i ke BGR
80424013

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 80424007.

Event 80425001 Jan Mayen Island region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/04/25 00:07:03.95 70.8210 -3.5520 10.0 25 18.04 24.44 m i ke BGR
80425007

Magnitude Err Nsta Author OrigID

mb 5.1 BGR 80425007
Ms 4.0 BGR 80425007

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 80425001.

BSEG	18.04	P	00:11:13.529	-0.9	347.2	10.59	TAS	229.0	1.17	m_e	mb	5.2
BUG	20.07	P	00:11:34.794	-0.2	347.2	10.59	TAS	156.6	1.66	m_e	mb	5.0
CLL	21.00	P	00:11:45.545	-0.1	347.2	10.59	TAS	99.8	1.13	m_e	mb	5.0
CLZ	20.08	P	00:11:35.745	0.4	347.2	10.59	TAS	87.1	1.11	m_e	mb	4.9
FUR	23.80	P	00:12:14.958		347.2	10.59	TAS	242.3	1.52	m_e	mb	5.5
GEC2	23.50	P	00:12:12.713	-1.0	347.2	10.59	TAS	49.6	1.07	m_e	mb	5.0
GOR1	19.10	P	00:11:27.238	1.6	347.2	10.59	TAS	390.8	1.53	m_e	mb	5.4
GRA1	22.30	P	00:12:00.820	0.3	347.2	10.59	TAS	112.6	1.17	m_e	mb	5.2
GRA1	22.30	L	00:20:13.987				T__	645.3	21.70	a_e	Ms	4.0
KAST	20.44	P	00:11:39.265	0.2	347.2	10.59	TAS	145.1	1.56	m_e	mb	5.0
MANZ	22.14	P	00:11:57.360	0.3	347.2	10.59	TAS	11.7	1.00	m_e	mb	4.3
MOX	21.43	P	00:11:50.167	1.2	347.2	10.59	TAS	67.5	0.99	m_e	mb	4.9
MOX	21.43	L	00:19:25.789				T__	578.4	21.50	a_e	Ms	3.9
PLN	21.66	P	00:11:52.758	-0.5	347.2	10.59	TAS	236.6	1.66	m_e	mb	5.3
RETH	19.06	P	00:11:24.259	-1.0	347.2	10.59	TAS	163.4	1.56	m_e	mb	5.0
RJOB	24.44	P	00:12:21.169		347.2	10.59	TAS	37.4	0.73	m_e	mb	5.0
ROTZ	22.37	P	00:11:59.903	0.8	347.2	10.59	TAS	23.5	1.28	m_e	mb	4.5
TANN	21.78	P	00:11:54.064	-0.4	347.2	10.59	TAS	226.7	1.48	m_e	mb	5.4
TNS	21.41	P	00:11:49.298	0.0	347.2	10.59	TAS	330.2	1.83	m_e	mb	5.4
UBBA	21.02	P	00:11:45.880	0.6	347.2	10.59	TAS	35.3	0.78	m_e	mb	4.8
UBR	24.11	P	00:12:17.751		347.2	10.59	TAS	79.0	1.50	m_e	mb	5.0
WET	23.08	P	00:12:07.969	-0.5	347.2	10.59	TAS	58.4	1.03	m_e	mb	5.0
WLF	21.71	P	00:11:52.171	1.2	347.2	10.59	TAS	158.6	1.36	m_e	mb	5.3

Event 80425002 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/25	01:33:30.90			-16.5950	-171.8600				33.0			17		145.10	148.96	m i ke	BGR
80425008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.35		PKPbc	01:53:13.296	-0.2	5.4		2.94		TAS					m_e
BRG	145.49		PKPbc	01:53:04.835	-0.1	5.4		2.94		TAS					m_e
BUG	145.23		PKPbc	01:53:03.930	-0.6	5.4		2.94		TAS					m_e
CLL	145.15		PKPbc	01:53:03.664	-0.4	5.4		2.94		TAS					m_e
FUR	148.41		PKPbc	01:53:13.615	-0.3	5.4		2.94		TAS					m_e
GEC2	147.52		PKPbc	01:53:11.061	0.0	5.4		2.94		TAS					m_e
GTTG	145.10		PKPbc	01:53:03.930	0.0	5.4		2.94		TAS					m_e
KAST	145.47		PKPbc	01:53:05.101	0.0	5.4		2.94		TAS					m_e
MANZ	146.54		PKPbc	01:53:08.507	0.5	5.4		2.94		TAS					m_e
MOX	145.92		PKPbc	01:53:06.325	0.3	5.4		2.94		TAS					m_e
PLN	146.04		PKPbc	01:53:06.910	0.3	5.4		2.94		TAS					m_e
RJOB	148.71		PKPbc	01:53:14.307		5.4		2.94		TAS					m_e
ROTZ	146.75		PKPbc	01:53:09.198	0.6	5.4		2.94		TAS					m_e

TANN	146.09	PKPbc	01:53:07.070	0.4	5.4	2.94	TAS	m_e
UBBA	145.83	PKPbc	01:53:05.899	0.1	5.4	2.94	TAS	m_e
UBR	148.96	PKPbc	01:53:14.946		5.4	2.94	TAS	m_e
WLF	146.98	PKPbc	01:53:10.422	-0.0	5.4	2.94	TAS	m_e

Event 80425006 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/25	09:48:38.66	1.15	1.69	41.5270	15.4320	48.9	24.5	81	10.0			6	335	6.49	8.54	m i ke	BGR
80425012																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	80425012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	8.46		Pn	09:50:35.141	-3.5					T__				m_e	ML 4.4
GEC2	7.42		Sn	09:51:41.917	0.3					T__				m_e	
GEC2	7.42		Pn	09:50:25.506	0.9					T__				m_e	ML 4.5
RJOB	6.49		Sn	09:51:21.692	1.8					T__				m_e	
RJOB	6.49		Pn	09:50:13.481	1.5					T__				m_e	ML 4.5
ROTZ	8.54		Sn	09:52:05.266	-2.6					T__				m_e	
ROTZ	8.54		Pn	09:50:39.976	0.3					T__				m_e	ML 4.4
UBR	7.23		Sn	09:51:39.162	1.9					T__				m_e	
UBR	7.23		Pn	09:50:22.682	0.7					T__				m_e	ML 4.8
WET	7.83		Sn	09:51:49.705	-1.4					T__				m_e	
WET	7.83		Pn	09:50:30.175	0.1					T__				m_e	ML 4.4

Event 80425010 Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/25	17:15:48.10	2.47	0.56	45.6300	26.3400	38.9	30.0	127	151.0			12	339	9.18	12.65	m i ke	EMSC
80425042																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	12.18		Pn	17:18:36.174	-0.6					T__				m_e	
BRG	9.79		Pn	17:18:05.961	0.5					T__				m_e	
CLL	10.52		Pn	17:18:14.776	0.5					T__				m_e	
GEC2	9.18		Pn	17:17:59.599	-0.1					T__				m_e	
MANZ	10.52		Pn	17:18:16.985	0.2					T__				m_e	
MOX	11.04		Pn	17:18:22.724	-0.4					T__				m_e	
NRDL	12.65		Pn	17:18:41.194	-0.3					T__				m_e	

RJOB	9.55	Pn	17:18:06.456	0.3	T__	m_e
ROTZ	10.38	Pn	17:18:15.168	0.2	T__	m_e
TANN	10.45	Pn	17:18:16.085	1.2	T__	m_e
WET	9.78	Pn	17:18:06.917	-0.7	T__	m_e

Event 80425011 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/25	21:59:26.72			-18.0630	-177.7820				33.0			21		143.65	149.76	m i ke	BGR
80425017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.36		PKPbc	22:19:01.715	0.6	16.1		2.84		TAS				m_e	
BFO	149.40		PKPbc	22:19:12.665		16.1		2.84		TAS				m_e	
BRG	145.96		PKPbc	22:19:03.479	0.3	16.1		2.84		TAS				m_e	
BSEG	143.65		PKPbc	22:18:55.935	-0.9	16.1		2.84		TAS				m_e	
CLL	145.74		PKPbc	22:19:02.871	0.1	16.1		2.84		TAS				m_e	
CLZ	145.68		PKPbc	22:19:03.175	0.2	16.1		2.84		TAS				m_e	
FUR	149.08		PKPbc	22:19:11.996		16.1		2.84		TAS				m_e	
GEC2	147.91		PKPbc	22:19:09.015		16.1		2.84		TAS				m_e	
IBBN	145.55		PKPbc	22:19:02.506	0.1	16.1		2.84		TAS				m_e	
MANZ	147.18		PKPbc	22:19:07.129	-0.2	16.1		2.84		TAS				m_e	
MOX	146.64		PKPbc	22:19:05.365	0.5	16.1		2.84		TAS				m_e	
NRDL	145.09		PKPbc	22:19:00.620	-0.3	16.1		2.84		TAS				m_e	
PLN	146.69		PKPbc	22:19:05.669	0.5	16.1		2.84		TAS				m_e	
RETH	144.95		PKPbc	22:19:00.437	-0.3	16.1		2.84		TAS				m_e	
RJOB	149.16		PKPbc	22:19:11.996		16.1		2.84		TAS				m_e	
ROTZ	147.37		PKPbc	22:19:07.798	-0.5	16.1		2.84		TAS				m_e	
RUE	144.48		PKPbc	22:18:58.795	0.1	16.1		2.84		TAS				m_e	
TANN	146.70		PKPbc	22:19:05.912	0.0	16.1		2.84		TAS				m_e	
TNS	147.53		PKPbc	22:19:08.224	-0.5	16.1		2.84		TAS				m_e	
UBR	149.76		PKPbc	22:19:13.638		16.1		2.84		TAS				m_e	
WLF	148.32		PKPbc	22:19:10.901	-0.5	16.1		2.84		TAS				m_e	

Event 80425012 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/25	23:17:09.30			47.4900	154.1500				40.0			16		75.73	78.27	m i ke	EMSC
80425044																	

Magnitude Err Nsta Author OrigID



mb 4.9 BGR 80425018  
 Ms 3.9 BGR 80425018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	75.96		P	23:28:51.703	0.0	24.7		5.85		TAS		4.2	0.88	m_e mb	4.6
BRG	76.21		P	23:28:53.037	0.0	24.7		5.85		TAS		10.2	0.98	m_e mb	4.9
CLL	76.08		P	23:28:52.421	0.2	24.7		5.85		TAS		24.6	0.77	m_e mb	5.4
CLZ	76.30		P	23:28:53.960	0.1	24.7		5.85		TAS		19.5	1.02	m_e mb	5.2
GEC2	78.10		P	23:29:04.119		24.7		5.85		TAS		10.0	1.10	m_e mb	4.9
GRA1	78.03		P	23:29:04.222		24.7		5.85		TAS				m_e	
GRA1	78.03		L	00:06:03.493						T__		53.2	19.90	a_e Ms	3.9
KAST	77.37		P	23:29:00.117	0.3	24.7		5.85		TAS		13.4	0.97	m_e mb	5.0
MANZ	77.52		P	23:29:00.733		24.7		5.85		TAS		2.2	0.93	m_e mb	4.3
MOX	77.06		P	23:28:58.270		24.7		5.85		TAS		14.6	1.14	m_e mb	5.0
MOX	77.06		L	00:07:45.357						T__		53.4	19.50	a_e Ms	3.9
NEUB	76.52		P	23:28:54.844	-0.2	24.7		5.85		TAS		13.0	0.85	m_e mb	5.1
PLN	77.05		P	23:28:58.168		24.7		5.85		TAS		9.9	1.03	m_e mb	4.9
RETH	75.73		P	23:28:50.677	-0.0	24.7		5.85		TAS		8.6	0.94	m_e mb	4.9
ROTZ	77.69		P	23:29:02.067		24.7		5.85		TAS		2.7	0.89	m_e mb	4.4
TANN	77.04		P	23:28:58.168		24.7		5.85		TAS		3.4	0.72	m_e mb	4.6
TNS	78.27		P	23:29:05.145		24.7		5.85		TAS		12.1	0.95	m_e mb	5.0
WET	78.07		P	23:29:03.811		24.7		5.85		TAS		15.1	0.94	m_e mb	5.1

Event 80428001 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/04/28	15:14:19.30			36.3100	71.2400				80.0			32		42.89	47.99	m i ke	EMSC
OrigID 80428033																	

Magnitude Err Nsta Author OrigID  
 mb 5.7 BGR 80428007  
 Ms 4.1 BGR 80428007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.27		P	15:22:44.608	-0.1	83.8		7.88		TAS		115.4	0.87	m_e mb	6.0
ASSE	44.85		P	15:22:24.930	-0.7	83.8		7.88		TAS		24.2	0.97	m_e mb	5.1
BFO	46.80		P	15:22:40.162	-0.4	83.8		7.88		TAS		47.2	1.01	m_e mb	5.6
BRG	42.89		P	15:22:09.916	-0.3	83.8		7.88		TAS		184.3	1.00	m_e mb	5.8
BSEG	44.96		P	15:22:26.606	0.6	83.8		7.88		TAS		231.1	0.99	m_e mb	6.1
BUG	47.03		P	15:22:42.567	-0.2	83.8		7.88		TAS		153.7	0.95	m_e mb	6.1
CLL	43.46		P	15:22:13.997	-0.7	83.8		7.88		TAS		95.3	0.96	m_e mb	5.5
CLZ	45.06		P	15:22:27.116	-0.1	83.8		7.88		TAS		182.9	1.09	m_e mb	5.9
FUR	44.88		P	15:22:25.804	0.6	83.8		7.88		TAS		173.0	1.26	m_e mb	5.8
GEC2	43.20		P	15:22:12.248	0.1	83.8		7.88		TAS		37.2	0.98	m_e mb	5.1
GOR1	44.42		P	15:22:22.160	0.2	83.8		7.88		TAS		252.0	1.09	m_e mb	5.9
GRA1	44.73		P	15:22:25.367	0.8	83.8		7.88		TAS		214.1	1.37	m_e mb	5.9

GRA1	44.73	L	15:33:43.590					T__	233.2	21.20	a_e	Ms	4.1
GTTG	45.34	P	15:22:29.521	0.0	83.8	7.88		TAS	304.4	1.00	m_e	mb	6.2
HLG	46.38	P	15:22:37.611	0.6	83.8	7.88		TAS	289.1	0.99	m_e	mb	6.3
IBBN	46.63	P	15:22:39.361	-0.1	83.8	7.88		TAS	275.4	1.00	m_e	mb	6.3
KAST	46.34	P	15:22:36.883	-0.5	83.8	7.88		TAS	27.0	0.97	m_e	mb	5.2
MANZ	44.13	P	15:22:20.192	0.3	83.8	7.88		TAS	23.3	0.96	m_e	mb	4.9
MOX	44.38	P	15:22:21.723	-0.2	83.8	7.88		TAS	91.3	0.98	m_e	mb	5.5
MOX	44.38	L	15:32:47.437					T__	213.0	20.40	a_e	Ms	4.0
NEUB	44.24	P	15:22:20.484	-0.3	83.8	7.88		TAS	231.9	0.99	m_e	mb	5.9
NRDL	45.17	P	15:22:28.209	0.2	83.8	7.88		TAS	152.8	1.00	m_e	mb	5.9
PLN	44.05	P	15:22:19.172	-0.1	83.8	7.88		TAS	68.5	0.96	m_e	mb	5.3
RETH	45.61	P	15:22:31.562	0.1	83.8	7.88		TAS	69.5	0.97	m_e	mb	5.7
RGN	43.19	P	15:22:12.321	0.6	83.8	7.88		TAS	690.0	1.03	m_e	mb	6.3
RJOB	43.92	P	15:22:17.787	0.3	83.8	7.88		TAS	74.4	0.87	m_e	mb	5.4
ROTZ	44.08	P	15:22:19.974	0.5	83.8	7.88		TAS	26.2	1.10	m_e	mb	4.9
RUE	42.93	P	15:22:09.551	-0.8	83.8	7.88		TAS	255.1	1.00	m_e	mb	5.9
STU	46.16	P	15:22:35.862	0.2	83.8	7.88		TAS	198.6	0.87	m_e	mb	6.2
TANN	43.87	P	15:22:17.787	-0.0	83.8	7.88		TAS	73.7	0.98	m_e	mb	5.4
TNS	46.44	P	15:22:38.122	-0.0	83.8	7.88		TAS	79.1	0.99	m_e	mb	5.7
UBBA	45.39	P	15:22:29.376	-0.5	83.8	7.88		TAS	31.1	0.74	m_e	mb	5.3
UBR	45.73	P	15:22:31.771	0.0	83.8	7.88		TAS	79.4	0.88	m_e	mb	5.8
WLF	47.99	P	15:22:50.366	0.0	83.8	7.88		TAS	207.6	0.94	m_e	mb	6.2