

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

(produced by SZO/BGR - HANNOVER)

March 2018 UPDATED 26.March 2020

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

Event 80301003 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/01	01:35:45.88			0.3570	97.5110				33.0				17	85.65	90.61	m i ke	BGR
OrigID 80301009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80301009
Ms	4.2		BGR	80301009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	90.00		P	01:48:42.959		92.6		4.81		TAS		27.4	0.96	m_e mb	5.5
BFO	89.19		P	01:48:38.455		92.6		4.81		TAS		12.5	0.83	m_e mb	5.2
BRG	85.66		P	01:48:21.579	-0.1	92.6		4.81		TAS		15.9	1.03	m_e mb	5.1
BSEG	88.06		P	01:48:33.303	0.1	92.6		4.81		TAS		43.1	0.97	m_e mb	5.7
CLZ	87.95		P	01:48:32.962	0.4	92.6		4.81		TAS		49.9	0.98	m_e mb	5.8
GEC2	85.65		P	01:48:21.837		92.6		4.81		TAS		42.9	1.28	m_e mb	5.4
GRA1	87.32		L	02:24:17.461						T__		78.1	20.90	a_e Ms	4.1
GTTG	88.19		P	01:48:33.999	0.3	92.6		4.81		TAS		59.6	1.01	m_e mb	5.9
KAST	89.15		P	01:48:38.742	0.0	92.6		4.81		TAS		34.1	0.94	m_e mb	5.6
MANZ	86.76		P	01:48:27.648		92.6		4.81		TAS		7.0	0.98	m_e mb	4.8
MOX	87.11		P	01:48:28.802		92.6		4.81		TAS		13.4	1.08	m_e mb	5.0
MOX	87.11		L	02:22:23.438						T__		129.9	20.00	a_e Ms	4.3
NRDL	88.13		P	01:48:33.936	0.0	92.6		4.81		TAS		61.6	0.98	m_e mb	5.9
RETH	88.59		P	01:48:35.703	-0.1	92.6		4.81		TAS		35.9	1.03	m_e mb	5.5
ROTZ	86.69		P	01:48:27.094		92.6		4.81		TAS		3.9	0.90	m_e mb	4.5
TNS	89.13		P	01:48:38.832		92.6		4.81		TAS		45.8	0.88	m_e mb	5.7
UBR	87.98		P	01:48:32.933		92.6		4.81		TAS				m_e	
WET	86.21		P	01:48:24.546		92.6		4.81		TAS		19.6	0.94	m_e mb	5.2
WLF	90.61		P	01:48:45.821		92.6		4.81		TAS		23.4	0.95	m_e mb	5.5

Event 80301004 Northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/01	03:17:11.56			0.8680	97.0780				75.2	0.5		15		84.98	88.49	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	80301010
Ms	4.2		BGR	80301010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	87.10		P	03:29:48.439	-0.2	92.6		4.90		TAS		23.8	0.96	m_e mb	5.3
BSEG	87.39		P	03:29:50.339	0.2	92.6		4.90		TAS		37.9	1.11	m_e mb	5.4
CLL	85.61		P	03:29:41.253	-0.5	92.6		4.90		TAS		14.7	1.28	m_e mb	5.0
CLZ	87.28		P	03:29:49.769	0.3	92.6		4.90		TAS		43.4	1.18	m_e mb	5.5
FLT1	86.77		P	03:29:46.349	-0.5	92.6		4.90		TAS		17.1	1.09	m_e mb	5.1
GEC2	84.98		P	03:29:38.558		92.6		4.90		TAS		38.8	1.33	m_e mb	5.5
GRA1	86.65		L	04:04:20.417						T__		113.2	21.40	a_e Ms	4.2
GTTG	87.52		P	03:29:50.909	0.8	92.6		4.90		TAS		39.2	1.02	m_e mb	5.7
GTTG	87.52		pP	03:30:11.446						T__				m_e	
KAST	88.49		P	03:29:54.965	0.2	92.6		4.90		TAS		22.0	1.05	m_e mb	5.4
MANZ	86.10		P	03:29:44.606		92.6		4.90		TAS		6.1	1.06	m_e mb	4.7
MOX	86.45		L	04:01:01.886						T__		86.0	19.00	a_e Ms	4.2
NEUB	86.38		P	03:29:44.985		92.6		4.90		TAS		32.9	1.02	m_e mb	5.4
NRDL	87.47		P	03:29:50.909	0.2	92.6		4.90		TAS		39.7	1.04	m_e mb	5.5
NRDL	87.47		pP	03:30:11.218						T__				m_e	
ROTZ	86.02		P	03:29:43.261		92.6		4.90		TAS		3.7	1.12	m_e mb	4.4
RUE	85.22		P	03:29:39.680	0.1	92.6		4.90		TAS		47.4	0.95	m_e mb	5.7
TNS	88.46		P	03:29:55.724		92.6		4.90		TAS		26.6	0.91	m_e mb	5.6
WET	85.54		P	03:29:40.589		92.6		4.90		TAS		19.9	1.15	m_e mb	5.1

Event 80301005 Southwestern Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/01	13:42:29.25			23.5810	123.2300				33.0				25	82.66	88.22	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	80301011
Ms	5.1		BGR	80301011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	87.24		P	13:55:11.372	0.4	58.5		4.99		TAS		47.1	1.12	a_e mb	5.5

BFO	87.80	P	13:55:13.751		58.5		4.99	TAS	65.6	1.38	m_e	mb	5.8
BFO	87.80	L	14:38:41.585					T__	655.3	20.30	a_e	Ms	5.0
BRG	83.35	P	13:54:51.830	0.1	58.5		4.99	TAS	19.0	0.81	m_e	mb	5.4
BSEG	83.71	P	13:54:53.649	0.2	58.5		4.99	TAS	51.2	0.92	m_e	mb	5.7
BSEG	83.71	L	14:34:58.063					T__	767.2	20.70	a_e	Ms	5.1
BUG	86.63	P	13:55:08.387	-0.0	58.5		4.99	TAS	112.8	1.09	m_e	mb	5.9
CLL	83.65	P	13:54:53.175	0.1	58.5		4.99	TAS	36.9	0.92	m_e	mb	5.6
CLL	83.65	L	14:40:03.216					T__	677.9	18.10	a_e	Ms	5.1
CLZ	84.79	P	13:54:59.633	-0.1	58.5		4.99	TAS	156.1	1.40	m_e	mb	6.0
FLT1	84.08	P	13:54:55.097	0.2	58.5		4.99	TAS	24.1	0.90	m_e	mb	5.4
FUR	86.23	L	14:37:31.206					T__	595.8	21.10	a_e	Ms	5.0
GEC2	84.49	L	14:36:32.062					T__	607.2	19.50	a_e	Ms	5.0
GRA1	85.46	P	13:55:02.953		58.5		4.99	TAS	190.7	1.66	m_e	mb	6.1
GRA1	85.46	L	14:35:29.285					T__	482.8	18.60	a_e	Ms	4.9
GTTG	85.16	P	13:55:01.367	-0.2	58.5		4.99	TAS	92.0	1.11	m_e	mb	5.9
IBBN	85.89	P	13:55:04.862	-0.4	58.5		4.99	TAS	112.0	0.92	m_e	mb	6.0
KAST	86.16	P	13:55:06.199	-0.1	58.5		4.99	TAS	56.7	1.10	m_e	mb	5.6
MANZ	84.81	P	13:54:59.472	0.8	58.5		4.99	TAS	5.5	0.95	a_e	mb	4.8
MOX	84.75	P	13:54:58.822	-0.2	58.5		4.99	TAS	35.6	1.23	m_e	mb	5.5
MOX	84.75	L	14:38:32.519					T__	728.9	18.30	a_e	Ms	5.1
PLN	84.53	P	13:54:57.970	0.1	58.5		4.99	TAS	25.9	0.97	m_e	mb	5.4
ROTZ	84.87	P	13:54:59.727	-0.4	58.5		4.99	TAS	10.6	0.98	m_e	mb	5.0
RUE	82.66	P	13:54:48.441	0.1	58.5		4.99	TAS	65.3	0.97	m_e	mb	5.8
STU	87.07	P	13:55:10.507		58.5		4.99	TAS			m_e		
TANN	84.40	P	13:54:57.210	-0.2	58.5		4.99	TAS	27.5	1.10	m_e	mb	5.4
TNS	86.69	P	13:55:08.660	-0.5	58.5		4.99	TAS	41.7	0.93	m_e	mb	5.5
TNS	86.69	L	14:37:14.104					T__	1305.7	18.60	a_e	Ms	5.4
UBBA	85.53	P	13:55:02.768	0.1	58.5		4.99	TAS	100.4	1.53	m_e	mb	5.7
UBR	87.15	P	13:55:10.563		58.5		4.99	TAS	66.3	1.11	m_e	mb	5.7
WET	84.81	P	13:54:59.418		58.5		4.99	TAS	49.7	1.48	m_e	mb	5.5
WET	84.81	L	14:36:28.249					T__	609.3	18.80	a_e	Ms	5.0
WLF	88.22	P	13:55:16.177		58.5		4.99	TAS	94.3	0.99	m_e	mb	6.1

Event 80301006 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/01	17:27:16.53			29.0090	87.3950				33.0			12		57.91	61.47	m i ke	BGR
	80301012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	80301012
Ms	4.4		BGR	80301012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	57.91		P	17:37:04.147		79.7		6.89		TAS		5.3	0.88	m_e	mb	4.6
BSEG	59.68		P	17:37:16.347	-1.3	79.7		6.89		TAS		8.4	0.83	m_e	mb	4.8

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CLL	58.43	P	17:37:07.428		79.7		6.89	TAS	2.8	0.79	m_e	mb	4.4
CLZ	59.97	P	17:37:18.275	-0.1	79.7		6.89	TAS	8.2	0.77	m_e	mb	4.8
FLT1	59.37	P	17:37:12.709	-0.1	79.7		6.89	TAS	6.9	0.86	m_e	mb	4.7
GEC2	58.35	P	17:37:07.652		79.7		6.89	TAS	6.6	0.94	m_e	mb	4.6
GRA1	59.81	L	18:03:39.005					T__	367.0	20.60	a_e	Ms	4.5
MOX	59.40	P	17:37:14.420		79.7		6.89	TAS	4.8	0.92	m_e	mb	4.5
MOX	59.40	L	18:03:23.949					T__	232.4	20.60	a_e	Ms	4.3
NRDL	60.03	P	17:37:18.898	0.0	79.7		6.89	TAS	15.1	0.92	m_e	mb	5.0
ROTZ	59.17	P	17:37:13.052		79.7		6.89	TAS	0.9	0.85	m_e	mb	3.8
TANN	58.91	P	17:37:11.038		79.7		6.89	TAS	4.2	0.93	m_e	mb	4.5
TNS	61.47	P	17:37:28.546		79.7		6.89	TAS	5.9	0.80	m_e	mb	4.5
WET	58.84	P	17:37:10.450		79.7		6.89	TAS	3.5	0.99	m_e	mb	4.3

Event 80302001 Salta Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/02	04:42:14.60			-22.1000	-63.7800				527.0					97.39	97.39	m i ke	EMSC
OrigID 80302033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	97.39		Pdiff	04:54:51.650						T__					m_e

Event 80302003 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/02	14:19:58.00			-32.1700	179.8900				400.0					160.55	160.55	m i ke	EMSC
OrigID 80302035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	160.55		PKP	14:39:54.230			30.0	3.70		TAS					m_e

Event 80302004 Southwest of Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/02	21:03:49.57			-0.5940	95.0470				36.3		1.5		17	84.74	89.16	m i ke	BGR
OrigID 80302010																	

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 80302010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	89.16		P	21:16:42.472		95.1		4.89		TAS		6.2	0.80	m_e	mb 4.9
BFO	88.25		P	21:16:37.506		95.1		4.89		TAS		2.3	0.67	m_e	mb 4.6
BRG	84.84		P	21:16:21.098	-0.4	95.1		4.89		TAS		2.8	0.67	m_e	mb 4.6
BRG	84.84		pP	21:16:31.701						T__				m_e	
BSEG	87.36		P	21:16:33.168	-0.3	95.1		4.89		TAS		8.3	0.89	m_e	mb 4.9
BSEG	87.36		pP	21:16:43.954						T__				m_e	
BUG	89.07		P	21:16:41.541	0.3	95.1		4.89		TAS		8.1	0.81	m_e	mb 5.0
BUG	89.07		pP	21:16:51.989						T__				m_e	
CLZ	87.16		P	21:16:32.186	0.1	95.1		4.89		TAS		4.2	0.92	m_e	mb 4.6
GEC2	84.74		P	21:16:20.648		95.1		4.89		TAS		6.0	0.85	m_e	mb 4.8
GEC2	84.74		pP	21:16:31.478						T__				m_e	
GRA1	86.44		P	21:16:29.302		95.1		4.89		TAS		6.0	0.84	m_e	mb 4.8
IBBN	88.80		P	21:16:40.274	-0.3	95.1		4.89		TAS		14.4	0.73	m_e	mb 5.3
IBBN	88.80		pP	21:16:50.420						T__				m_e	
KAST	88.34		P	21:16:39.035	0.1	95.1		4.89		TAS		6.6	0.99	m_e	mb 4.9
MANZ	85.90		P	21:16:26.858		95.1		4.89		TAS		1.6	0.84	m_e	mb 4.2
MANZ	85.90		pP	21:16:37.479						T__				m_e	
MOX	86.28		P	21:16:27.964		95.1		4.89		TAS		1.2	0.78	m_e	mb 4.1
NRDL	87.38		P	21:16:34.607	0.7	95.1		4.89		TAS		7.0	0.91	m_e	mb 4.8
ROTZ	85.81		P	21:16:26.277		95.1		4.89		TAS		1.0	0.89	m_e	mb 3.9
ROTZ	85.81		pP	21:16:36.999						T__				m_e	
TNS	88.27		P	21:16:38.064		95.1		4.89		TAS		2.2	0.69	m_e	mb 4.6
WET	85.31		P	21:16:23.658		95.1		4.89		TAS		3.8	0.83	m_e	mb 4.7
WET	85.31		pP	21:16:34.162						T__				m_e	

Event 80303002 Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/03	00:42:30.31			-21.4320	168.5500				36.7	1.3		7		144.52	148.83	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.90		PKPbc	01:02:05.929	-0.5	37.8		2.99		TAS				m_e	
ASSE	144.90		pPKPbc	01:02:17.337		33.9		3.30		TAS				m_e	
BFO	148.83		PKPbc	01:02:17.326		37.8		2.99		TAS				m_e	
BRG	144.52		PKPbc	01:02:04.631	0.2	37.8		2.99		TAS				m_e	
CLL	144.60		PKPbc	01:02:04.872	0.2	37.8		2.99		TAS				m_e	
CLZ	145.24		PKPbc	01:02:07.515	0.3	37.8		2.99		TAS				m_e	
CLZ	145.24		pPKPbc	01:02:18.338		33.9		3.30		TAS				m_e	

FLT1	144.52	PKPbc	01:02:04.391	0.3	37.8	2.99	TAS	m_e
GEC2	146.08	PKPbc	01:02:10.159		37.8	2.99	TAS	m_e
GRA1	146.57	PKPbc	01:02:11.216		37.8	2.99	TAS	m_e
GTTG	145.62	PKPbc	01:02:08.635	0.2	37.8	2.99	TAS	m_e
GTTG	145.62	pPKPbc	01:02:19.809		33.9	3.30	TAS	m_e
IBBN	145.79	PKPbc	01:02:08.765	-0.4	37.8	2.99	TAS	m_e
IBBN	145.79	pPKPbc	01:02:19.704		33.9	3.30	TAS	m_e
MOX	145.68	PKPbc	01:02:08.717	0.2	37.8	2.99	TAS	m_e
MOX	145.68	pPKPbc	01:02:19.777		33.9	3.30	TAS	m_e
NEUB	145.19	PKPbc	01:02:07.275	0.1	37.8	2.99	TAS	m_e
NEUB	145.19	pPKPbc	01:02:18.365		33.9	3.30	TAS	m_e
NRDL	144.81	PKPbc	01:02:05.545	0.5	37.8	2.99	TAS	m_e
PLN	145.57	PKPbc	01:02:08.380	-0.5	37.8	2.99	TAS	m_e
RETH	144.88	PKPbc	01:02:05.833	-0.1	37.8	2.99	TAS	m_e
RETH	144.88	pPKPbc	01:02:16.479	0.3	33.9	3.30	TAS	m_e
ROTZ	146.09	PKPbc	01:02:10.207		37.8	2.99	TAS	m_e
STU	148.13	PKPbc	01:02:15.933		37.8	2.99	TAS	m_e
TANN	145.50	PKPbc	01:02:07.996		37.8	2.99	TAS	m_e
TNS	147.26	PKPbc	01:02:13.349		37.8	2.99	TAS	m_e
UBR	148.57	PKPbc	01:02:16.833		37.8	2.99	TAS	m_e
WET	146.25	PKPbc	01:02:10.688		37.8	2.99	TAS	m_e

Event 80303003 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/03	09:05:49.10			39.9900	40.0200				4.0					22.48	22.48	m i ke	EMSC
80303035																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	80303009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	22.48		P	09:10:52.027		104.6		10.00		TAS		22.6	1.53	m_e mb	4.4

Event 80304001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/04	08:16:28.30			52.5200	-170.6300				60.0				10	75.36	78.95	m i ke	EMSC
80304033																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80304007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	76.91		P	08:28:13.907		1.2		5.87		TAS		8.8	0.92	m_e	mb 4.9
CLL	76.50		P	08:28:10.886		1.2		5.87		TAS		11.4	1.13	m_e	mb 4.9
CLZ	76.01		P	08:28:09.060		1.2		5.87		TAS		10.3	0.97	m_e	mb 4.9
GEC2	78.95		P	08:28:24.934		1.2		5.87		TAS		10.6	1.07	m_e	mb 4.8
GRA1	78.15		P	08:28:22.152		1.2		5.87		TAS		25.3	1.24	m_e	mb 5.2
IBBN	75.54		P	08:28:06.786	0.2	1.2		5.87		TAS		40.4	1.33	m_e	mb 5.4
MOX	77.19		P	08:28:15.905		1.2		5.87		TAS		9.9	0.92	m_e	mb 4.9
NRDL	75.36		P	08:28:06.273	0.1	1.2		5.87		TAS		13.6	1.08	m_e	mb 4.9
ROTZ	78.06		P	08:28:20.847		1.2		5.87		TAS		1.8	1.19	m_e	mb 4.1
WET	78.67		P	08:28:24.366		1.2		5.87		TAS		20.4	1.46	m_e	mb 4.9

Event 80304002 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/04	19:52:54.66			46.7400	147.4410				66.0	2.8		28		73.51	78.85	m i ke	BGR
OrigID 80304008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	80304008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.23		P	20:04:43.697	-0.2	29.2		5.67		TAS		146.6	1.45	m_e	mb 5.9
ASSE	74.77		P	20:04:29.560	0.2	29.2		5.67		TAS		260.5	2.45	m_e	mb 5.8
BFO	78.83		P	20:04:52.195		29.2		5.67		TAS		118.6	1.31	m_e	mb 5.8
BRG	74.83		P	20:04:29.887	0.3	29.2		5.67		TAS		103.2	1.66	m_e	mb 5.6
BUG	76.37		P	20:04:38.630	-0.1	29.2		5.67		TAS		158.7	1.47	m_e	mb 5.9
CLL	74.76		P	20:04:29.151	-0.1	29.2		5.67		TAS		74.7	1.25	m_e	mb 5.6
CLZ	75.11		P	20:04:31.848	0.0	29.2		5.67		TAS		247.8	1.71	m_e	mb 6.0
FLT1	74.42		P	20:04:27.272	-0.0	29.2		5.67		TAS		142.2	1.68	m_e	mb 5.7
FUR	78.05		P	20:04:48.273		29.2		5.67		TAS		279.6	1.36	m_e	mb 6.2
GEC2	76.65		P	20:04:40.428	0.2	29.2		5.67		TAS		89.6	1.48	m_e	mb 5.7
GRA1	76.73		P	20:04:41.163	-0.3	29.2		5.67		TAS		218.8	1.36	m_e	mb 6.1
GTTG	75.49		P	20:04:33.972	-0.1	29.2		5.67		TAS		116.9	1.45	m_e	mb 5.7
IBBN	75.46		P	20:04:33.646	-0.0	29.2		5.67		TAS		143.0	1.50	m_e	mb 5.8
KAST	76.26		P	20:04:38.222	0.5	29.2		5.67		TAS		124.4	1.48	m_e	mb 5.8
MANZ	76.19		P	20:04:37.813	0.2	29.2		5.67		TAS		20.7	1.52	m_e	mb 5.0
MANZ	76.19		pP	20:04:56.210						T__				m_e	
MOX	75.77		P	20:04:35.280	0.3	29.2		5.67		TAS		127.7	1.53	m_e	mb 5.8
NEUB	75.25		P	20:04:32.175	-0.6	29.2		5.67		TAS		156.8	1.54	m_e	mb 5.8
NRDL	74.62		P	20:04:28.824	-0.1	29.2		5.67		TAS		103.6	1.76	m_e	mb 5.6
PLN	75.74		P	20:04:34.544	0.3	29.2		5.67		TAS		117.0	1.56	m_e	mb 5.8
RETH	74.62		P	20:04:28.334	0.3	29.2		5.67		TAS		150.4	1.74	m_e	mb 5.7
ROTZ	76.35		P	20:04:38.875	0.4	29.2		5.67		TAS		37.3	1.55	m_e	mb 5.3
RUE	73.51		P	20:04:22.358	0.1	29.2		5.67		TAS		423.6	2.32	m_e	mb 6.1
RUE	73.51		pP	20:04:39.694						T__				m_e	

STU	78.18	P	20:04:48.600		29.2	5.67	TAS	382.9	1.39	m_e mb	6.3
TANN	75.71	P	20:04:34.953	0.1	29.2	5.67	TAS	112.8	1.72	m_e mb	5.7
TNS	77.12	P	20:04:42.798	-0.4	29.2	5.67	TAS	135.2	1.46	m_e mb	5.9
UBBA	76.12	P	20:04:37.159	0.0	29.2	5.67	TAS	146.8	1.71	m_e mb	5.8
UBR	78.85	P	20:04:52.522		29.2	5.67	TAS	122.8	1.53	m_e mb	5.7
UBR	78.85	pP	20:05:10.661				T__			m_e	
WET	76.67	P	20:04:40.837	0.1	29.2	5.67	TAS	186.5	1.44	m_e mb	6.0

Event 80305002 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/05	15:42:43.10			52.5800	160.4600				20.0			20		72.30	76.96	m i ke	EMSC
	80305034																

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80305008
Ms	4.7		BGR	80305008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	73.12		P	15:54:11.890	0.3	18.9		5.93		TAS		15.2	0.90	m_e mb	5.1
BUG	73.92		P	15:54:17.234	-0.4	18.9		5.93		TAS		45.6	0.92	m_e mb	5.5
CLL	72.91		P	15:54:10.796	-0.1	18.9		5.93		TAS		69.9	0.88	m_e mb	5.8
CLZ	72.95		P	15:54:11.862	-0.2	18.9		5.93		TAS		75.4	0.91	m_e mb	5.8
FLT1	72.32		P	15:54:07.177	-0.2	18.9		5.93		TAS		55.9	0.87	m_e mb	5.7
GEC2	75.07		P	15:54:23.680		18.9		5.93		TAS		21.2	1.01	m_e mb	5.1
GRA1	74.82		P	15:54:22.686		18.9		5.93		TAS		49.2	0.81	m_e mb	5.6
GRA1	74.82		L	16:29:08.590						T__		436.7	21.70	a_e Ms	4.7
GTTG	73.31		P	15:54:13.805	0.0	18.9		5.93		TAS		17.9	0.84	m_e mb	5.2
IBBN	73.00		P	15:54:12.088	-0.2	18.9		5.93		TAS		70.3	0.86	m_e mb	5.8
KAST	73.94		P	15:54:17.122	0.1	18.9		5.93		TAS		30.2	1.06	m_e mb	5.3
MANZ	74.35		P	15:54:19.410		18.9		5.93		TAS		5.4	0.94	m_e mb	4.6
MOX	73.83		P	15:54:16.357	0.3	18.9		5.93		TAS		35.7	1.02	m_e mb	5.3
MOX	73.83		L	16:28:39.480						T__		443.2	21.20	a_e Ms	4.7
NRDL	72.39		P	15:54:08.156	0.2	18.9		5.93		TAS		39.3	0.91	m_e mb	5.5
PLN	73.87		P	15:54:16.718		18.9		5.93		TAS		28.4	0.95	m_e mb	5.3
RETH	72.30		P	15:54:07.706	0.4	18.9		5.93		TAS		32.6	0.98	m_e mb	5.4
RJOB	76.32		P	15:54:31.342		18.9		5.93		TAS		22.6	0.85	m_e mb	5.3
ROTZ	74.54		P	15:54:20.697		18.9		5.93		TAS		6.8	0.93	m_e mb	4.7
TNS	74.87		P	15:54:22.438		18.9		5.93		TAS		42.2	1.09	m_e mb	5.4
UBR	76.96		P	15:54:34.821		18.9		5.93		TAS		25.4	0.96	m_e mb	5.3
WET	74.98		P	15:54:23.442		18.9		5.93		TAS		35.2	0.82	m_e mb	5.4

Event 80305003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/05	18:33:55.60			-19.4400	-179.0200				671.0			20		144.83	150.87	m i ke	EMSC
OrigID 80305035																	

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	146.51		PKPbc	18:52:23.916	0.1	18.9		2.55		TAS				m_e	
BFO	150.57		PKPbc	18:52:33.669		18.9		2.55		TAS				m_e	
BRG	147.00		PKPbc	18:52:25.173	0.1	18.9		2.55		TAS				m_e	
BSEG	144.83		PKPbc	18:52:18.891	-0.2	18.9		2.55		TAS				m_e	
CLL	146.81		PKPbc	18:52:24.575	0.3	18.9		2.55		TAS				m_e	
CLZ	146.83		PKPbc	18:52:24.874	-0.1	18.9		2.55		TAS				m_e	
FLT1	146.21		PKPbc	18:52:22.660	0.2	18.9		2.55		TAS				m_e	
GEC2	148.92		PKPbc	18:52:29.959		18.9		2.55		TAS				m_e	
KAST	147.76		PKPbc	18:52:26.968	0.4	18.9		2.55		TAS				m_e	
MANZ	148.25		PKPbc	18:52:28.583		18.9		2.55		TAS				m_e	
MOX	147.74		PKPbc	18:52:26.728	-0.4	18.9		2.55		TAS				m_e	
NEUB	147.19		PKPbc	18:52:25.652	0.5	18.9		2.55		TAS				m_e	
NRDL	146.25		PKPbc	18:52:22.780	0.4	18.9		2.55		TAS				m_e	
PLN	147.77		PKPbc	18:52:27.028		18.9		2.55		TAS				m_e	
RETH	146.13		PKPbc	18:52:22.361	0.3	18.9		2.55		TAS				m_e	
TANN	147.77		PKPbc	18:52:27.267		18.9		2.55		TAS				m_e	
TNS	148.72		PKPbc	18:52:29.600		18.9		2.55		TAS				m_e	
UBR	150.87		PKPbc	18:52:34.207		18.9		2.55		TAS				m_e	
WET	148.86		PKPbc	18:52:29.959		18.9		2.55		TAS				m_e	
WLF	149.56		PKPbc	18:52:32.053		18.9		2.55		TAS				m_e	

Event 80306004 New Guinea, Papua New Guinea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/06	14:13:06.80			-6.1900	142.5900				10.0			9		118.44	123.34	m i ke	EMSC
OrigID 80306036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.8		BGR	80306010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	118.44		PKPpdf	14:31:57.171		60.0		2.11		TAS				m_e	
CLL	118.76		PKPpdf	14:31:57.864		60.0		2.11		TAS				m_e	
CLZ	119.90		PKPpdf	14:32:00.383		60.0		2.11		TAS				m_e	
FLT1	119.19		PKPpdf	14:31:58.601	-0.1	60.0		2.11		TAS				m_e	
GEC2	119.52		PKPpdf	14:31:59.339		60.0		2.11		TAS				m_e	
GRA1	120.54		L	15:26:06.670						T__		25426.4	21.50	a_e Ms	6.8
GTTG	120.27		PKPpdf	14:32:01.109		60.0		2.11		TAS				m_e	

MANZ	119.90	PKPdf	14:32:00.076	60.0	2.11	TAS												m_e
MOX	119.85	PKPdf	14:32:00.088	60.0	2.11	TAS												m_e
MOX	119.85	L	15:28:21.335			T__					20081.2	18.50	a_e Ms				6.8	
PLN	119.62	PKPdf	14:31:59.634	60.0	2.11	TAS												m_e
TANN	119.49	PKPdf	14:31:59.486	60.0	2.11	TAS												m_e
WET	119.86	PKPdf	14:32:00.224	60.0	2.11	TAS												m_e
WLF	123.34	PKPdf	14:32:07.423	60.0	2.11	TAS												m_e

Event 80306003 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/06	20:41:36.37			15.3010	-90.8680				49.7	5.6		11		82.95	87.30	m i ke	BGR
80306009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80306009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.29		P	20:53:55.573	0.3	289.0		4.95		TAS		22.5	1.08	m_e mb	5.3
AHRW	83.29		pP	20:54:10.684	0.1	289.0		4.95		TAS				m_e	
ASSE	84.98		P	20:54:04.225		289.0		4.95		TAS		8.0	0.85	m_e mb	5.0
BSEG	84.21		P	20:53:59.906	0.2	289.0		4.95		TAS		20.1	0.82	m_e mb	5.4
BSEG	84.21		pP	20:54:13.838	0.1	289.0		4.95		TAS				m_e	
CLZ	84.90		P	20:54:03.907		289.0		4.95		TAS		13.0	0.78	m_e mb	5.2
CLZ	84.90		pP	20:54:17.714	0.1	289.0		4.95		TAS				m_e	
FLT1	85.25		P	20:54:04.898		289.0		4.95		TAS		10.7	0.92	m_e mb	5.1
FLT1	85.25		pP	20:54:18.961	0.1	289.0		4.95		TAS				m_e	
GTTG	84.75		P	20:54:03.275		289.0		4.95		TAS		18.2	0.76	m_e mb	5.4
GTTG	84.75		pP	20:54:17.386	0.1	289.0		4.95		TAS				m_e	
NRDL	84.54		P	20:54:01.996	-0.5	289.0		4.95		TAS		14.1	0.87	m_e mb	5.2
NRDL	84.54		pP	20:54:15.877	0.1	289.0		4.95		TAS				m_e	
RETH	84.03		P	20:53:59.607	0.3	289.0		4.95		TAS		25.5	0.91	m_e mb	5.4
RETH	84.03		pP	20:54:13.631	0.1	289.0		4.95		TAS				m_e	
TNS	84.22		P	20:54:00.722	0.1	289.0		4.95		TAS		23.9	0.80	m_e mb	5.5
TNS	84.22		pP	20:54:15.149	0.1	289.0		4.95		TAS				m_e	
WET	87.30		P	20:54:15.477		289.0		4.95		TAS		4.2	0.73	m_e mb	4.7
WLF	82.95		P	20:53:53.821	-0.2	289.0		4.95		TAS		29.1	1.14	m_e mb	5.4
WLF	82.95		pP	20:54:09.607	0.1	289.0		4.95		TAS				m_e	

Event 80307004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/07	04:40:18.06			46.3500	151.5130				33.0			31		74.78	80.46	m i ke	BGR

80307010

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	80307010
MBB	6.5		BGR	80307010
Ms	5.6		BGR	80307010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	78.71		P	04:52:15.061	-0.2	26.8		5.55		TAS		549.1	1.18	m_e	MBB	6.6
ASSE	76.30		P	04:52:01.562	0.5	26.8		5.55		TAS		187.5	1.21	m_e	MBB	6.6
BFO	80.38		P	04:52:24.045		26.8		5.55		TAS		399.2	1.20	m_e	MBB	6.4
BRG	76.46		P	04:52:02.405	0.1	26.8		5.55		TAS		193.6	1.15	m_e	MBB	6.4
BSEG	74.78		P	04:51:53.271	-0.1	26.8		5.55		TAS		263.2	1.24	m_e	MBB	6.6
BUG	77.84		P	04:52:10.124	-0.1	26.8		5.55		TAS		589.5	1.22	m_e	MBB	6.7
CLL	76.36		P	04:52:01.659	-0.1	26.8		5.55		TAS		441.2	1.11	m_e	MBB	6.7
CLZ	76.64		P	04:52:04.111	0.2	26.8		5.55		TAS		733.3	1.19	m_e	MBB	6.7
FLT1	75.97		P	04:51:59.481	-0.2	26.8		5.55		TAS		362.7	1.12	m_e	MBB	6.6
FUR	79.67		P	04:52:20.662	-0.3	26.8		5.55		TAS		699.2	1.20	m_e	MBB	6.4
GEC2	78.32		P	04:52:12.847	0.0	26.8		5.55		TAS		195.1	1.08	m_e	MBB	6.4
GRA1	78.32		P	04:52:13.473	0.3	26.8		5.55		TAS		562.0	1.12	m_e	mb	6.6
GRA1	78.32		L	05:33:16.426						T__		3693.3	19.50	a_e	Ms	5.7
GTTG	77.02		P	04:52:05.980	0.0	26.8		5.55		TAS		469.2	1.18	m_e	MBB	6.6
IBBN	76.92		P	04:52:05.171	0.0	26.8		5.55		TAS		380.2	1.09	m_e	MBB	6.5
KAST	77.75		P	04:52:09.917	0.3	26.8		5.55		TAS		475.4	1.21	m_e	MBB	6.6
MANZ	77.80		P	04:52:10.137	0.6	26.8		5.55		TAS		57.2	1.17	m_e	MBB	5.7
MOX	77.36		P	04:52:07.634	0.1	26.8		5.55		TAS		281.6	1.13	m_e	MBB	6.5
MOX	77.36		L	05:32:26.637						T__		2509.2	19.90	a_e	Ms	5.5
NEUB	76.83		P	04:52:04.567	0.0	26.8		5.55		TAS		593.4	1.15	m_e	MBB	6.6
NRDL	76.13		P	04:52:00.621	-0.3	26.8		5.55		TAS		261.8	1.18	m_e	MBB	6.3
PLN	77.34		P	04:52:07.552	0.2	26.8		5.55		TAS		242.8	1.19	m_e	MBB	6.4
RETH	76.11		P	04:52:00.776	-0.5	26.8		5.55		TAS		397.6	1.22	m_e	MBB	6.7
RJOB	79.59		P	04:52:20.281	0.2	26.8		5.55		TAS		203.8	1.20	m_e	MBB	5.8
ROTZ	77.97		P	04:52:11.330	0.5	26.8		5.55		TAS		82.4	1.20	m_e	MBB	6.0
RUE	75.11		P	04:51:55.057	-0.4	26.8		5.55		TAS		496.8	1.24	m_e	MBB	6.8
STU	79.74		P	04:52:20.636	-0.9	26.8		5.55		TAS		1118.1	1.25	m_e	MBB	6.8
TANN	77.31		P	04:52:07.400	-0.1	26.8		5.55		TAS		137.0	1.17	m_e	MBB	6.3
TNS	78.63		P	04:52:14.799	0.2	26.8		5.55		TAS		387.4	1.30	m_e	MBB	6.3
UBBA	77.66		P	04:52:09.196	-0.1	26.8		5.55		TAS		293.1	1.34	m_e	MBB	6.1
UBR	80.46		P	04:52:23.940		26.8		5.55		TAS		367.4	1.54	m_e	MBB	6.2
WET	78.31		P	04:52:13.493	0.1	26.8		5.55		TAS		538.5	1.17	m_e	MBB	6.7
WLF	79.75		P	04:52:21.002		26.8		5.55		TAS		346.2	1.21	m_e	MBB	6.4

Event 80307003 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/07	21:13:10.50	5.74	0.27	19.3640	95.2990	152.3	142.3	110	10.0			22	353	69.76	74.95	m i ke	BGR

80307009

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80307009
Ms	4.3		BGR	80307009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	73.81		P	21:24:44.671		81.5		6.03		TAS		7.5	0.77	m_e	mb	4.8
BRG	69.83		P	21:24:20.949	-0.1	81.5		6.03		TAS		29.6	0.66	m_e	mb	5.5
BSEG	71.66		P	21:24:32.088	-0.3	81.5		6.03		TAS		55.0	0.93	m_e	mb	5.7
BUG	73.90		P	21:24:45.374		81.5		6.03		TAS		33.1	0.91	m_e	mb	5.4
CLZ	71.92		P	21:24:33.707	-0.4	81.5		6.03		TAS		27.6	0.74	m_e	mb	5.5
GEC2	70.21		P	21:24:23.596	-0.5	81.5		6.03		TAS		33.6	0.77	m_e	mb	5.5
GRA1	71.71		L	21:57:53.780						T__		177.0	19.30	a_e	Ms	4.3
IBBN	73.44		P	21:24:42.695		81.5		6.03		TAS		21.7	0.88	m_e	mb	5.3
MANZ	71.10		P	21:24:29.067	-0.1	81.5		6.03		TAS		5.0	0.90	m_e	mb	4.6
MOX	71.32		P	21:24:29.928	0.3	81.5		6.03		TAS		17.9	0.86	m_e	mb	5.2
MOX	71.32		L	21:59:03.649						T__		183.1	20.70	a_e	Ms	4.3
NEUB	71.15		P	21:24:28.769	0.3	81.5		6.03		TAS		35.1	0.94	m_e	mb	5.5
NRDL	71.99		P	21:24:34.230	-0.1	81.5		6.03		TAS		24.4	0.83	m_e	mb	5.4
PLN	71.00		P	21:24:27.999	0.3	81.5		6.03		TAS		16.5	0.79	m_e	mb	5.2
RETH	72.40		P	21:24:36.222		81.5		6.03		TAS		9.7	0.82	m_e	mb	5.0
ROTZ	71.06		P	21:24:29.099	-0.2	81.5		6.03		TAS		9.4	0.78	m_e	mb	5.0
RUE	69.76		P	21:24:20.346	-0.2	81.5		6.03		TAS		70.1	0.95	m_e	mb	5.8
STU	73.17		P	21:24:41.251		81.5		6.03		TAS		68.8	0.83	m_e	mb	5.8
TANN	70.82		P	21:24:26.884	-0.1	81.5		6.03		TAS		17.1	0.84	m_e	mb	5.2
TNS	73.39		P	21:24:42.529		81.5		6.03		TAS		17.3	0.83	m_e	mb	5.2
UBR	72.76		P	21:24:38.371		81.5		6.03		TAS		20.0	0.76	m_e	mb	5.3
WET	70.71		P	21:24:26.603	-0.1	81.5		6.03		TAS		29.6	0.91	m_e	mb	5.4
WLF	74.95		P	21:24:52.281		81.5		6.03		TAS		444.2	2.57	m_e	mb	6.0

Event 80308002 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/08	05:58:38.80			29.3300	142.1300				10.0			17		87.20	92.32	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80308008
Ms	5.2		BGR	80308008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	92.32		P	06:11:48.765		41.3		4.75		TAS		30.8	1.00	m_e	mb	5.6
BRG	88.00		P	06:11:28.519	0.1	41.3		4.75		TAS		10.0	1.01	m_e	mb	5.1
BSEG	87.20		P	06:11:24.880	0.1	41.3		4.75		TAS		38.8	0.97	m_e	mb	5.5
CLL	88.08		P	06:11:28.693	0.1	41.3		4.75		TAS		15.1	1.02	m_e	mb	5.3

CLZ	88.77	P	06:11:32.597	0.1	41.3	4.75	TAS	27.0	0.97	m_e	mb	5.4
FLT1	88.05	P	06:11:28.450	-0.1	41.3	4.75	TAS	24.0	1.06	m_e	mb	5.5
GEC2	89.58	P	06:11:35.911		41.3	4.75	TAS	10.0	0.97	m_e	mb	5.0
GRA1	90.05	P	06:11:38.658		41.3	4.75	TAS	37.0	1.12	m_e	mb	5.5
GRA1	90.05	L	06:58:52.647				T__	938.9	19.20	a_e	Ms	5.2
GTTG	89.16	P	06:11:34.253	0.4	41.3	4.75	TAS	31.7	1.02	m_e	mb	5.5
IBBN	89.44	P	06:11:35.404	-0.3	41.3	4.75	TAS	47.5	1.00	m_e	mb	5.7
MANZ	89.44	P	06:11:35.644		41.3	4.75	TAS	3.1	1.23	m_e	mb	4.4
MOX	89.16	L	06:54:56.074				T__	935.4	18.20	a_e	Ms	5.2
NRDL	88.38	P	06:11:30.518	0.3	41.3	4.75	TAS	11.8	1.00	m_e	mb	5.2
RETH	88.49	P	06:11:30.730	-0.4	41.3	4.75	TAS	21.6	1.14	m_e	mb	5.4
RJOB	90.81	P	06:11:42.160		41.3	4.75	TAS	20.3	0.93	m_e	mb	5.4
ROTZ	89.56	P	06:11:36.447		41.3	4.75	TAS	6.5	1.32	m_e	mb	4.7
TNS	90.80	P	06:11:41.812		41.3	4.75	TAS	9.7	1.00	m_e	mb	5.1
WET	89.73	P	06:11:36.941		41.3	4.75	TAS	12.9	1.41	m_e	mb	5.0

Event 80308003 Mozambique

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/08	08:49:42.01			-16.4640	37.4590				17.7	0.7		12		68.36	73.88	m i ke	BGR
80308009																	

Magnitude Err Nsta Author
mb 5.3 BGR

OrigID
80308009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.86		P	09:01:07.208	-0.5	153.1		6.18		TAS		48.6	1.02	m_e	mb 5.6
AHRW	71.86		pP	09:01:12.160						T__				m_e	
ASSE	72.17		P	09:01:08.881	-0.1	153.1		6.18		TAS		29.9	1.12	m_e	mb 5.3
BFO	69.54		P	09:00:52.278		153.1		6.18		TAS		20.1	1.11	m_e	mb 5.2
BRG	70.15		P	09:00:56.086	-0.1	153.1		6.18		TAS		10.9	1.09	m_e	mb 4.9
BSEG	73.88		P	09:01:18.634	0.3	153.1		6.18		TAS		55.7	1.16	m_e	mb 5.5
BSEG	73.88		pP	09:01:23.846	-0.1					T__				m_e	
BUG	72.58		P	09:01:11.059	0.1	153.1		6.18		TAS		61.8	1.21	m_e	mb 5.6
BUG	72.58		pP	09:01:16.140						T__				m_e	
CLL	70.79		P	09:01:00.251	0.3	153.1		6.18		TAS		24.9	1.19	m_e	mb 5.2
FLT1	72.19		P	09:01:08.598	0.3	153.1		6.18		TAS		19.6	1.19	m_e	mb 5.1
GEC2	68.36		P	09:00:45.212		153.1		6.18		TAS		33.7	1.09	m_e	mb 5.5
GEC2	68.36		pP	09:00:50.149						T__				m_e	
GRA1	69.83		P	09:00:54.494		153.1		6.18		TAS		74.7	1.07	m_e	mb 5.7
GRA1	69.83		pP	09:00:59.614						T__				m_e	
KAST	72.01		P	09:01:07.987	-0.1	153.1		6.18		TAS		26.5	1.12	m_e	mb 5.3
MANZ	69.84		P	09:00:54.275		153.1		6.18		TAS		8.3	1.13	m_e	mb 4.8
MANZ	69.84		pP	09:00:59.251						T__				m_e	
MOX	70.57		P	09:00:58.996	0.2	153.1		6.18		TAS		20.5	1.11	m_e	mb 5.2
MOX	70.57		pP	09:01:03.844						T__				m_e	

NEUB	71.02	P	09:01:01.953	-0.1	153.1	6.18	TAS	116.1	1.67	m_e	mb	5.7
NRDL	72.65	P	09:01:11.972	-0.2	153.1	6.18	TAS	31.8	1.15	m_e	mb	5.3
PLN	70.28	P	09:00:57.080	0.0	153.1	6.18	TAS	22.1	0.98	m_e	mb	5.3
PLN	70.28	pP	09:01:02.184				T__				m_e	
RETH	73.08	P	09:01:14.355	0.2	153.1	6.18	TAS	26.5	1.22	m_e	mb	5.2
ROTZ	69.62	P	09:00:52.839		153.1	6.18	TAS	8.9	1.14	m_e	mb	4.8
ROTZ	69.62	pP	09:00:57.811				T__				m_e	
RUE	71.66	pP	09:01:10.922	0.3			T__				m_e	
TANN	70.13	P	09:00:56.397	-0.1	153.1	6.18	TAS	32.0	1.14	m_e	mb	5.4
TANN	70.13	pP	09:01:01.460				T__				m_e	
TNS	71.15	P	09:01:02.284	-0.1	153.1	6.18	TAS	36.9	1.06	m_e	mb	5.4
TNS	71.15	pP	09:01:07.225				T__				m_e	
UBR	68.39	P	09:00:45.185		153.1	6.18	TAS	65.5	1.09	m_e	mb	5.8
WET	68.86	P	09:00:47.829		153.1	6.18	TAS	17.1	1.23	m_e	mb	5.1
WLF	71.42	P	09:01:03.733		153.1	6.18	TAS	40.8	1.09	m_e	mb	5.5

Event 80308004 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/08	17:39:52.50			-4.4000	153.2500				30.0			20		122.13	126.96	m i ke	EMSC
	80308036																

Magnitude	Err	Nsta	Author	OrigID
Ms	6.7		BGR	80308010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	126.96		PKPdf	17:58:52.619		48.2		6.65		TAS				m_e	
BFO	126.96		PP	18:00:56.025						T__				m_e	
BRG	122.55		PKPdf	17:58:43.453	-0.4	48.2		6.65		TAS				m_e	
BRG	122.55		PP	18:00:27.040	-0.7					T__				m_e	
BSEG	122.13		PKPdf	17:58:43.071	0.4	48.2		6.65		TAS				m_e	
BSEG	122.13		PP	18:00:24.079	1.7					T__				m_e	
BUG	125.22		PP	18:00:43.120						T__				m_e	
CLL	122.72		PKPdf	17:58:43.548	0.7	48.2		6.65		TAS				m_e	
CLL	122.72		PP	18:00:28.708	-1.1					T__				m_e	
CLZ	123.57		PKPdf	17:58:45.376	0.0	48.2		6.65		TAS				m_e	
FLT1	122.85		PKPdf	17:58:44.803	0.4	48.2		6.65		TAS				m_e	
FLT1	122.85		PP	18:00:29.525	-0.0					T__				m_e	
FUR	125.62		PP	18:00:46.628						T__				m_e	
GEC2	123.95		PKPdf	17:58:46.236		48.2		6.65		TAS				m_e	
GEC2	123.95		PP	18:00:32.574	0.3					T__				m_e	
GRA1	124.64		PP	18:00:41.045						T__				m_e	
GRA1	124.64		L	18:59:09.169						T__	17252.3	20.00	a_e	Ms	6.7
HLG	122.95		PP	18:00:28.821	0.3					T__				m_e	
KAST	124.89		PKPdf	17:58:48.513	-0.2	48.2		6.65		TAS				m_e	
MANZ	124.01		PKPdf	17:58:46.714		48.2		6.65		TAS				m_e	

MOX	123.81	PKPdf	17:58:46.699	-0.2	48.2	6.65	TAS										m_e
MOX	123.81	PP	18:00:33.591	-0.0			T__										m_e
MOX	123.81	L	18:55:13.113				T__			21038.0	22.00	a_e	Ms			6.8	
NRDL	123.24	PKPdf	17:58:45.840	-0.5	48.2	6.65	TAS										m_e
PLN	123.66	PKPdf	17:58:46.031		48.2	6.65	TAS										m_e
PLN	123.66	PP	18:00:33.563	-1.0			T__										m_e
RETH	123.39	PKPdf	17:58:46.236	-0.7	48.2	6.65	TAS										m_e
RETH	123.39	PP	18:00:30.767	-1.9			T__										m_e
RJOB	125.11	PKPdf	17:58:48.991		48.2	6.65	TAS										m_e
RJOB	125.11	PP	18:00:44.207				T__										m_e
ROTZ	124.11	PP	18:00:34.833	0.8			T__										m_e
STU	126.24	PKPdf	17:58:51.855		48.2	6.65	TAS										m_e
STU	126.24	PP	18:00:52.081				T__										m_e
TANN	123.56	PKPdf	17:58:45.744		48.2	6.65	TAS										m_e
TANN	123.56	PP	18:00:32.547	1.3			T__										m_e
TNS	125.58	PP	18:00:46.127				T__										m_e
UBBA	124.45	PKPdf	17:58:48.227	0.1	48.2	6.65	TAS										m_e
UBR	126.53	PKPdf	17:58:51.759		48.2	6.65	TAS										m_e
UBR	126.53	PP	18:00:51.389				T__										m_e
WET	124.18	PKPdf	17:58:47.669		48.2	6.65	TAS										m_e
WET	124.18	PP	18:00:34.833				T__										m_e

Event 80309001 Gulf of Alaska

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	00:37:19.00			55.7500	-149.8700				33.0				30	69.47	75.86	m i ke	BGR
80309007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80309007
Ms	4.2		BGR	80309007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	72.35		P	00:48:42.103	-0.1	349.0		5.95		TAS		20.0	1.29	m_e	mb 5.1
ASSE	71.29		P	00:48:35.498	-0.4	349.0		5.95		TAS		18.0	1.22	a_e	mb 5.1
BFO	74.69		P	00:48:55.548		349.0		5.95		TAS		18.9	1.22	a_e	mb 5.0
BRG	72.90		P	00:48:45.198	-0.0	349.0		5.95		TAS		26.1	1.11	a_e	mb 5.3
BSEG	69.47		P	00:48:24.598	-0.0	349.0		5.95		TAS		31.0	1.14	a_e	mb 5.4
BUG	71.51		P	00:48:36.715	-0.1	349.0		5.95		TAS		33.8	0.99	m_e	mb 5.4
CLL	72.37		P	00:48:41.748	0.1	349.0		5.95		TAS		212.2	2.43	a_e	mb 5.8
CLZ	71.53		P	00:48:37.448	-0.2	349.0		5.95		TAS		39.4	1.11	a_e	mb 5.4
FLT1	71.16		P	00:48:34.248	0.3	349.0		5.95		TAS		20.9	0.97	a_e	mb 5.2
FUR	75.26		P	00:48:59.048		349.0		5.95		TAS		32.6	1.00	a_e	mb 5.3
GEC2	74.87		P	00:48:56.848	-0.3	349.0		5.95		TAS		14.9	1.22	a_e	mb 4.9
GRA1	73.75		P	00:48:50.498	-0.2	349.0		5.95		TAS		19.6	1.02	a_e	mb 5.1
GRA1	73.75		L	01:19:27.588						T__		143.6	21.60	a_e	Ms 4.2

GTTG	71.77	P	00:48:38.748	0.1	349.0	5.95	TAS	39.8	0.97	a_e	mb	5.5
IBBN	70.73	P	00:48:32.298	0.4	349.0	5.95	TAS	40.6	1.35	a_e	mb	5.4
KAST	71.90	P	00:48:39.248	0.0	349.0	5.95	TAS	20.6	1.06	a_e	mb	5.2
MANZ	73.57	P	00:48:49.098	0.3	349.0	5.95	TAS	4.2	1.24	a_e	mb	4.3
MOX	72.86	P	00:48:44.898	0.0	349.0	5.95	TAS	26.8	1.03	a_e	mb	5.3
MOX	72.86	L	01:23:06.989				T__	123.4	20.80	a_e	Ms	4.2
NEUB	72.34	P	00:48:41.748	-0.0	349.0	5.95	TAS	44.3	1.03	a_e	mb	5.5
NRDL	70.86	P	00:48:32.998	-0.6	349.0	5.95	TAS	30.3	1.04	a_e	mb	5.4
PLN	73.08	P	00:48:46.198	0.2	349.0	5.95	TAS	15.7	0.98	a_e	mb	5.1
RETH	70.53	P	00:48:31.098	0.1	349.0	5.95	TAS	49.8	2.52	a_e	mb	5.2
RJOB	75.86	P	00:49:02.498		349.0	5.95	TAS	17.1	1.19	a_e	mb	5.1
ROTZ	73.80	P	00:48:50.648	-0.0	349.0	5.95	TAS	4.8	0.96	a_e	mb	4.5
RUE	71.30	P	00:48:35.698	-0.1	349.0	5.95	TAS	52.8	1.02	a_e	mb	5.6
STU	74.39	P	00:48:53.898	-0.1	349.0	5.95	TAS	66.4	1.36	a_e	mb	5.5
TANN	73.19	P	00:48:47.048	0.4	349.0	5.95	TAS	17.0	1.12	a_e	mb	5.1
TNS	72.86	P	00:48:44.948	0.3	349.0	5.95	TAS	20.4	1.32	a_e	mb	5.1
UBBA	72.49	P	00:48:42.748	0.2	349.0	5.95	TAS	46.5	1.59	a_e	mb	5.4
UBR	75.58	P	00:49:00.948		349.0	5.95	TAS	16.9	1.10	a_e	mb	5.1
WET	74.49	P	00:48:54.848	-0.1	349.0	5.95	TAS	24.5	1.33	m_e	mb	5.1
WLF	73.07	P	00:48:46.398	-0.1	349.0	5.95	TAS	53.1	1.52	a_e	mb	5.4

Event 80309002 Gulf of Alaska

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	01:09:12.49			56.9800	-149.5900				33.0			20		69.62	74.62	m i ke	BGR
80309008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80309008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	73.46	P		01:20:41.833		349.2		5.98		TAS		31.1	1.75	m_e	mb	5.1
BRG	71.66	P		01:20:31.335		349.2		5.98		TAS		5.5	0.91	m_e	mb	4.7
BUG	70.28	P		01:20:22.734	0.1	349.2		5.98		TAS		9.0	0.89	m_e	mb	4.9
CLL	71.13	P		01:20:27.662	-0.2	349.2		5.98		TAS		5.3	0.91	m_e	mb	4.7
GEC2	73.63	P		01:20:43.200		349.2		5.98		TAS		4.8	1.02	m_e	mb	4.5
GRA1	72.51	P		01:20:36.587		349.2		5.98		TAS		8.4	0.89	m_e	mb	4.9
GTTG	70.53	P		01:20:25.003	-0.0	349.2		5.98		TAS		13.6	1.01	m_e	mb	5.0
KAST	70.67	P		01:20:25.415	0.2	349.2		5.98		TAS		11.8	1.17	m_e	mb	4.9
MANZ	72.33	P		01:20:35.297		349.2		5.98		TAS		0.4	0.70	m_e	mb	3.7
MOX	71.62	P		01:20:31.129	-0.2	349.2		5.98		TAS		8.0	0.81	m_e	mb	4.9
NEUB	71.10	P		01:20:27.939	0.1	349.2		5.98		TAS		16.4	0.87	m_e	mb	5.2
NRDL	69.62	P		01:20:18.902	0.1	349.2		5.98		TAS		7.5	0.84	m_e	mb	4.9
PLN	71.84	P		01:20:32.470		349.2		5.98		TAS		6.4	0.71	m_e	mb	4.9
RJOB	74.62	P		01:20:48.834		349.2		5.98		TAS		5.8	0.76	m_e	mb	4.7
ROTZ	72.56	P		01:20:36.633		349.2		5.98		TAS		1.3	0.76	m_e	mb	4.1

TANN	71.95	P	01:20:33.207	349.2	5.98	TAS	2.7	0.83	m_e mb	4.4
TNS	71.63	P	01:20:31.170	-0.0 349.2	5.98	TAS	4.4	0.74	m_e mb	4.7
UBR	74.35	P	01:20:47.359	349.2	5.98	TAS	7.1	1.06	m_e mb	4.6
WET	73.25	P	01:20:40.886	349.2	5.98	TAS			m_e	
WLF	71.84	P	01:20:32.443	349.2	5.98	TAS	18.1	1.28	m_e mb	5.1

Event 80309005 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	09:15:44.57			42.0600	142.5900				33.0			15		75.99	81.66	m i ke	BGR
OrigID 80309011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80309011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	81.36		P	09:27:57.674		34.2		5.48		TAS		5.4	0.84	m_e mb	4.6
BRG	77.19		P	09:27:35.059	-0.4	34.2		5.48		TAS		3.0	0.76	m_e mb	4.5
BSEG	75.99		P	09:27:29.074	-0.2	34.2		5.48		TAS		9.2	0.85	m_e mb	4.9
BUG	79.10		P	09:27:46.165	-0.4	34.2		5.48		TAS		11.1	0.88	m_e mb	4.9
CLL	77.19		P	09:27:34.689	-0.0	34.2		5.48		TAS		6.3	0.71	m_e mb	4.8
CLZ	77.70		P	09:27:38.437		34.2		5.48		TAS		9.4	0.68	m_e mb	5.0
DAVA	81.66		P	09:27:59.436		34.2		5.48		TAS				m_e	
FLT1	77.00		P	09:27:33.694	-0.0	34.2		5.48		TAS		11.5	0.75	m_e mb	5.1
GRA1	79.17		P	09:27:46.686		34.2		5.48		TAS		11.7	0.58	m_e mb	5.1
KBA	80.49		P	09:27:53.820		34.2		5.48		TAS				m_e	
MANZ	78.60		P	09:27:43.014		34.2		5.48		TAS		1.0	0.66	m_e mb	4.0
PLN	78.17		P	09:27:40.657		34.2		5.48		TAS		3.3	0.86	m_e mb	4.5
RJOB	80.17		P	09:27:52.084		34.2		5.48		TAS		6.7	0.70	m_e mb	4.7
ROTZ	78.74		P	09:27:43.875		34.2		5.48		TAS		1.1	0.79	m_e mb	4.0
SPAHL	78.85		P	09:27:44.898		34.2		5.48		TAS				m_e	
UBBA	78.68		P	09:27:43.195	-0.4	34.2		5.48		TAS		3.6	0.45	m_e mb	4.7
WTTA	81.01		P	09:27:56.042		34.2		5.48		TAS				m_e	

Event 80309010 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	11:06:06.00			-4.2600	153.3300				19.0			23		121.50	126.92	m i ke	EMSC
OrigID 80309042																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	80309016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	125.87		SP	11:37:06.130		46.3		8.92		TAS				a_e	
AHRW	125.87		PKPdf	11:25:05.699	0.1	48.0		1.91		TAS				m_e	
ASSE	123.15		SP	11:36:43.430	-1.1	46.3		8.92		TAS				a_e	
ASSE	123.15		PKPdf	11:25:00.603	-0.3	48.0		1.91		TAS				m_e	
BFO	126.88		PKPdf	11:25:07.211		48.0		1.91		TAS				a_e	
BRG	122.46		SP	11:36:37.130	-0.6	46.3		8.92		TAS				a_e	
BRG	122.46		PKPdf	11:24:59.011	0.3	48.0		1.91		TAS				a_e	
BSEG	122.04		SP	11:36:35.630	0.2	46.3		8.92		TAS				a_e	
BUG	125.13		SP	11:37:00.280	-0.7	46.3		8.92		TAS				a_e	
BUG	125.13		PKPdf	11:25:04.011	0.1	48.0		1.91		TAS				a_e	
CLL	122.63		SP	11:36:37.630	-1.5	46.3		8.92		TAS				a_e	
CLL	122.63		PKPdf	11:24:59.061	0.1	48.0		1.91		TAS				a_e	
CLZ	123.49		SP	11:36:44.530	-0.2	46.3		8.92		TAS				a_e	
CLZ	123.49		PKPdf	11:25:01.261	0.0	48.0		1.91		TAS				a_e	
FLT1	122.76		SP	11:36:37.680	1.3	46.3		8.92		TAS				a_e	
FLT1	122.76		PKPdf	11:24:59.361	-0.3	48.0		1.91		TAS				a_e	
FUR	125.55		SP	11:37:05.130		46.3		8.92		TAS				a_e	
GEC2	123.87		SP	11:36:52.230	2.6	46.3		8.92		TAS				a_e	
GEC2	123.87		PKPdf	11:25:01.711	0.0	48.0		1.91		TAS				m_e	
GRA1	124.56		PKPdf	11:25:03.061	-0.2	48.0		1.91		TAS				a_e	
GRA1	124.56		L	12:25:23.900						T__		687.6	20.80	a_e Ms	5.3
GTTG	123.87		PKPdf	11:25:01.931	-0.1	48.0		1.91		TAS				m_e	
IBBN	124.29		PKPdf	11:25:02.611	0.1	48.0		1.91		TAS				a_e	
KAST	124.80		SP	11:36:56.130	1.8	46.3		8.92		TAS				m_e	
KAST	124.80		PKPdf	11:25:03.661	-0.2	48.0		1.91		TAS				a_e	
MANZ	123.93		SP	11:36:50.130	1.1	46.3		8.92		TAS				a_e	
MANZ	123.93		PKPdf	11:25:01.834	0.3	48.0		1.91		TAS				m_e	
MOX	123.73		SP	11:36:47.830	0.1	46.3		8.92		TAS				a_e	
MOX	123.73		PKPdf	11:25:01.188	0.1	48.0		1.91		TAS				m_e	
MOX	123.73		L	12:21:38.936						T__		1023.3	21.10	a_e Ms	5.5
NEUB	123.29		PKPdf	11:25:00.461	0.0	48.0		1.91		TAS				a_e	
NRDL	123.15		SP	11:36:43.880	-0.7	46.3		8.92		TAS				a_e	
NRDL	123.15		PKPdf	11:25:00.611	0.2	48.0		1.91		TAS				a_e	
PLN	123.58		SP	11:36:43.830	2.2	46.3		8.92		TAS				a_e	
PLN	123.58		PKPdf	11:25:01.391	-0.2	48.0		1.91		TAS				m_e	
RETH	123.30		PKPdf	11:25:00.958	-0.3	48.0		1.91		TAS				m_e	
RJOB	125.04		SP	11:36:59.230	0.4	46.3		8.92		TAS				a_e	
RJOB	125.04		PKPdf	11:25:03.511		48.0		1.91		TAS				a_e	
ROTZ	124.03		SP	11:36:53.530	-0.7	46.3		8.92		TAS				a_e	
ROTZ	124.03		PKPdf	11:25:01.689	0.1	48.0		1.91		TAS				m_e	
RUE	121.50		SP	11:36:26.130	2.9	46.3		8.92		TAS				a_e	
RUE	121.50		PKPdf	11:24:57.161	0.2	48.0		1.91		TAS				a_e	
STU	126.16		PKPdf	11:25:06.211		48.0		1.91		TAS				a_e	
TANN	123.48		SP	11:36:45.230	-2.9	46.3		8.92		TAS				a_e	
TANN	123.48		PKPdf	11:25:01.061	0.1	48.0		1.91		TAS				a_e	
TNS	125.49		SP	11:37:05.330	-0.4	46.3		8.92		TAS				a_e	
TNS	125.49		PKPdf	11:25:04.961	0.1	48.0		1.91		TAS				a_e	
UBBA	124.36		SP	11:36:52.780	-1.4	46.3		8.92		TAS				a_e	

UBBA	124.36	PKPdf	11:25:02.784	0.1	48.0	1.91	TAS	m_e
UBR	126.45	PKPdf	11:25:06.561		48.0	1.91	TAS	a_e
WET	124.10	SP	11:36:52.980	-1.2	46.3	8.92	TAS	m_e
WET	124.10	PKPdf	11:25:02.311	-0.3	48.0	1.91	TAS	a_e
WLF	126.92	SP	11:37:15.830		46.3	8.92	TAS	a_e
WLF	126.92	PKPdf	11:25:07.705	0.2	48.0	1.91	TAS	m_e

Event 80309013 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	16:23:24.92			-21.3500	-179.0100				568.2	1.9		31		146.70	152.72	m i ke	BGR
OrigID 80309019																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.48		PKPdf	16:42:07.002		21.9		1.57		TAS					m_e
AHRW	150.48		PKPbc	16:42:12.285	0.2	17.3		2.38		TAS					m_e
ASSE	148.37		PKPbc	16:42:07.274	0.2	17.3		2.38		TAS					m_e
ASSE	148.37		PKPab	16:42:12.004		15.4		4.25		TAS					m_e
BFO	152.44		PKPbc	16:42:16.674	-0.5	17.3		2.38		TAS					m_e
BFO	152.44		PKPab	16:42:29.081		15.4		4.25		TAS					m_e
BRG	148.83		PKPbc	16:42:08.835	0.1	17.3		2.38		TAS					m_e
BRG	148.83		PKPab	16:42:14.432		15.4		4.25		TAS					m_e
BSEG	146.70		PKPbc	16:42:02.989	-0.1	17.3		2.38		TAS					m_e
BUG	149.57		PKPbc	16:42:10.205	0.1	17.3		2.38		TAS					m_e
CLL	148.66		PKPbc	16:42:08.085	0.4	17.3		2.38		TAS					m_e
CLL	148.66		PKPab	16:42:13.491		15.4		4.25		TAS					m_e
CLL	148.66		pPKPbc	16:44:19.565		17.7		2.50		TAS					m_e
CLZ	148.70		PKPdf	16:42:04.187		21.9		1.57		TAS					m_e
CLZ	148.70		PKPbc	16:42:08.402	-0.1	17.3		2.38		TAS					m_e
FLT1	148.07		PKPdf	16:42:02.915	0.2	21.9		1.57		TAS					m_e
FLT1	148.07		PKPbc	16:42:06.409	0.3	17.3		2.38		TAS					m_e
FLT1	148.07		pPKPbc	16:44:17.231		17.7		2.50		TAS					m_e
FUR	152.00		PKPbc	16:42:16.237	-0.2	17.3		2.38		TAS					m_e
FUR	152.00		PKPab	16:42:27.819		15.4		4.25		TAS					m_e
GEC2	150.74		PKPbc	16:42:13.247	0.1	17.3		2.38		TAS					m_e
GEC2	150.74		pPKPbc	16:44:24.596		17.7		2.50		TAS					m_e
GRA1	150.57		PKPbc	16:42:13.054	-0.1	17.3		2.38		TAS					m_e
GTTG	149.06		PKPbc	16:42:09.149	-0.1	17.3		2.38		TAS					m_e
HLG	146.80		PKPbc	16:42:03.586	-0.4	17.3		2.38		TAS					m_e
IBBN	148.66		PKPbc	16:42:07.946	-0.1	17.3		2.38		TAS					m_e
KAST	149.64		PKPdf	16:42:05.518		21.9		1.57		TAS					m_e
KAST	149.64		PKPbc	16:42:10.505	0.1	17.3		2.38		TAS					m_e
KAST	149.64		pPKPbc	16:44:21.835		17.7		2.50		TAS					m_e
MANZ	150.10		PKPbc	16:42:11.778	0.5	17.3		2.38		TAS					m_e

MANZ	150.10	pPKPbc	16:44:22.952		17.7	2.50	TAS	m_e
MOX	149.59	PKPbc	16:42:10.408	0.2	17.3	2.38	TAS	m_e
NEUB	149.04	PKPdf	16:42:04.632		21.9	1.57	TAS	m_e
NEUB	149.04	PKPbc	16:42:09.436	-0.0	17.3	2.38	TAS	m_e
NRDL	148.12	PKPdf	16:42:03.085	-0.1	21.9	1.57	TAS	m_e
NRDL	148.12	PKPbc	16:42:06.769	-0.2	17.3	2.38	TAS	m_e
PLN	149.62	PKPbc	16:42:10.616	0.1	17.3	2.38	TAS	m_e
RETH	148.01	PKPbc	16:42:06.438	-0.1	17.3	2.38	TAS	m_e
RETH	148.01	pPKPbc	16:44:17.702	0.1	17.7	2.50	TAS	m_e
RJOB	152.00	PKPbc	16:42:15.869		17.3	2.38	TAS	m_e
ROTZ	150.28	PKPbc	16:42:12.127	0.4	17.3	2.38	TAS	m_e
ROTZ	150.28	PKPab	16:42:20.479		15.4	4.25	TAS	m_e
RUE	147.39	PKPbc	16:42:05.095	-0.2	17.3	2.38	TAS	m_e
TANN	149.62	PKPbc	16:42:10.638	0.2	17.3	2.38	TAS	m_e
TANN	149.62	PKPab	16:42:17.874		15.4	4.25	TAS	m_e
TNS	150.59	PKPdf	16:42:07.123		21.9	1.57	TAS	m_e
TNS	150.59	PKPbc	16:42:12.796	0.1	17.3	2.38	TAS	m_e
TNS	150.59	PKPab	16:42:21.154		15.4	4.25	TAS	m_e
TNS	150.59	pPKPbc	16:44:24.075		17.7	2.50	TAS	m_e
UBBA	149.75	PKPbc	16:42:10.633	-0.2	17.3	2.38	TAS	m_e
UBR	152.72	PKPdf	16:42:09.987		21.9	1.57	TAS	m_e
UBR	152.72	PKPbc	16:42:17.536		17.3	2.38	TAS	m_e
WET	150.69	PKPdf	16:42:07.216		21.9	1.57	TAS	m_e
WET	150.69	PKPbc	16:42:12.959	-0.4	17.3	2.38	TAS	m_e
WET	150.69	PKPab	16:42:22.517		15.4	4.25	TAS	m_e
WLF	151.45	PKPdf	16:42:08.989		21.9	1.57	TAS	m_e
WLF	151.45	PKPbc	16:42:15.285	-0.2	17.3	2.38	TAS	m_e
WLF	151.45	pPKPbc	16:44:26.211		17.7	2.50	TAS	m_e

Event 80309014 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	18:02:28.20			-30.6600	-178.0500				10.0			8		155.97	161.12	m i ke	EMSC
	80309046																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	157.91		PKPdf	18:22:23.653		15.8		1.03		TAS				m_e	
BSEG	155.97		PKPdf	18:22:21.619	-0.2	15.8		1.03		TAS				m_e	
BSEG	155.97		PKPab	18:22:48.567	0.7	8.5		3.97		TAS				m_e	
BUG	158.87		PKPdf	18:22:24.730		15.8		1.03		TAS				m_e	
CLZ	157.94		PKPdf	18:22:23.263		15.8		1.03		TAS				m_e	
CLZ	157.94		PKPab	18:22:56.619		8.5		3.97		TAS				m_e	
FLT1	157.29		PKPdf	18:22:22.430		15.8		1.03		TAS				m_e	
FUR	161.12		PKPab	18:23:11.369		8.5		3.97		TAS				m_e	

GRA1	159.74	PKPab	18:23:05.043	8.5	3.97	TAS	m_e
MANZ	159.24	PKPdf	18:22:24.791	15.8	1.03	TAS	m_e
NEUB	158.22	PKPab	18:22:57.823	8.5	3.97	TAS	m_e
PLN	158.77	PKPdf	18:22:25.632	15.8	1.03	TAS	m_e
PLN	158.77	PKPab	18:23:00.572	8.5	3.97	TAS	m_e
ROTZ	159.41	PKPab	18:23:03.670	8.5	3.97	TAS	m_e
RUE	156.53	PKPdf	18:22:22.669	15.8	1.03	TAS	m_e
RUE	156.53	PKPab	18:22:53.428	-0.8 8.5	3.97	TAS	m_e
WET	159.76	PKPdf	18:22:25.473	15.8	1.03	TAS	m_e

Event 80309015 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/09	19:03:55.00			-1.9200	152.5100				15.0					122.13	122.13	m i ke	EMSC
OrigID 80309047																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	122.13		PKPdf	19:22:50.142		47.6		0.89		TAS					m_e

Event 80310002 South Sandwich Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/10	14:27:56.90			-56.0320	-27.8510				50.0					110.26	111.24	m i ke	NEIC
OrigID 80310041																	

Magnitude Err Nsta Author OrigID

Ms	5.1		BGR	80310008													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude		
GRA1	110.26		L	15:28:07.446						T__		729.7	21.80	a_e	Ms	5.2	
MOX	111.24		L	15:28:00.662						T__		520.3	21.30	a_e	Ms	5.1	

Event 80310004 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/10	21:45:29.09			-2.4700	-14.8100				10.0				30	54.08	61.41	m i ke	BGR
OrigID 80310010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	80310010
Ms	5.5		BGR	80310010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	56.04		S	22:02:55.248	0.8	209.9		13.83		TAS				a_e	
AHRW	56.04		P	21:55:08.458	0.3	210.5		7.11		TAS		43.8	1.35	a_e	mb 5.3
ARSA	56.21		P	21:55:09.091	0.1	210.5		7.11		TAS		19.5	1.07	m_e	mb 5.1
ASSE	58.51		S	22:03:26.948	-1.6	209.9		13.83		TAS				a_e	
ASSE	58.51		P	21:55:25.308	0.2	210.5		7.11		TAS		13.4	1.04	a_e	mb 4.9
BFO	54.46		S	22:02:32.098	-0.3	209.9		13.83		TAS				a_e	
BFO	54.46		P	21:54:56.208	-0.7	210.5		7.11		TAS		45.0	1.15	a_e	mb 5.4
BRG	58.54		S	22:03:28.548	0.6	209.9		13.83		TAS				a_e	
BRG	58.54		P	21:55:25.867	-0.3	210.5		7.11		TAS		23.5	1.34	m_e	mb 5.0
BSEG	59.98		S	22:03:46.898	-2.0	209.9		13.83		TAS				a_e	
BSEG	59.98		P	21:55:35.308		210.5		7.11		TAS		37.3	1.07	a_e	mb 5.3
BUG	56.90		S	22:03:07.048	0.7	209.9		13.83		TAS				a_e	
BUG	56.90		P	21:55:14.008	-0.2	210.5		7.11		TAS		35.6	1.22	a_e	mb 5.3
CLL	58.58		S	22:03:29.748	0.9	209.9		13.83		TAS				a_e	
CLL	58.58		P	21:55:25.708	0.3	210.5		7.11		TAS		13.5	1.10	m_e	mb 4.9
CLZ	58.17		S	22:03:24.548	0.8	209.9		13.83		TAS				a_e	
CLZ	58.17		P	21:55:24.008	-0.4	210.5		7.11		TAS		17.4	1.26	m_e	mb 4.9
DAVA	54.08		P	21:54:54.052	-0.4	210.5		7.11		TAS		77.6	0.77	m_e	mb 5.8
FLT1	58.87		S	22:03:33.148	-0.2	209.9		13.83		TAS				a_e	
FLT1	58.87		P	21:55:27.808	-0.3	210.5		7.11		TAS		24.4	1.17	a_e	mb 5.1
FUR	55.32		S	22:02:41.798	-1.7	209.9		13.83		TAS				a_e	
FUR	55.32		P	21:55:02.558	-0.2	210.5		7.11		TAS		107.7	1.08	a_e	mb 5.8
GEC2	56.78		S	22:03:03.248	0.2	209.9		13.83		TAS				a_e	
GEC2	56.78		P	21:55:13.617	0.7	210.5		7.11		TAS		95.3	1.60	m_e	mb 5.6
GRA1	56.60		S	22:03:01.598	0.0	209.9		13.83		TAS				a_e	
GRA1	56.60		P	21:55:12.183	0.2	210.5		7.11		TAS		32.1	0.99	m_e	mb 5.3
GRA1	56.60		L	22:18:58.775						T__		2952.1	18.50	a_e	Ms 5.4
GTTG	57.79		S	22:03:19.648	1.1	209.9		13.83		TAS				a_e	
GTTG	57.79		P	21:55:20.758	0.2	210.5		7.11		TAS		43.4	1.41	a_e	mb 5.3
HLG	59.53		S	22:03:41.048	-1.5	209.9		13.83		TAS				a_e	
IBBN	57.81		S	22:03:19.848	0.9	209.9		13.83		TAS				a_e	
KAST	57.02		S	22:03:08.798	0.8	209.9		13.83		TAS				m_e	
KAST	57.02		P	21:55:15.618	0.5	210.5		7.11		TAS		50.2	1.71	m_e	mb 5.3
KBA	55.19		P	21:55:02.862	0.8	210.5		7.11		TAS		29.6	1.09	m_e	mb 5.2
MANZ	57.16		S	22:03:09.448	0.4	209.9		13.83		TAS				a_e	
MANZ	57.16		P	21:55:16.211	0.3	210.5		7.11		TAS		7.7	1.00	m_e	mb 4.7
MOA	56.19		P	21:55:08.988	-0.1	210.5		7.11		TAS		48.7	1.63	m_e	mb 5.3
MOX	57.55		S	22:03:15.198	0.5	209.9		13.83		TAS				a_e	
MOX	57.55		P	21:55:18.508	-0.3	210.5		7.11		TAS		27.2	1.05	a_e	mb 5.2
MOX	57.55		L	22:21:12.168						T__		4564.5	18.00	a_e	Ms 5.6
NEUB	58.07		S	22:03:22.648	0.7	209.9		13.83		TAS				a_e	
NEUB	58.07		P	21:55:22.258	0.7	210.5		7.11		TAS		43.5	1.18	a_e	mb 5.4
NRDL	58.66		S	22:03:31.348	0.8	209.9		13.83		TAS				a_e	
NRDL	58.66		P	21:55:27.854	-0.4	210.5		7.11		TAS		17.5	1.31	m_e	mb 4.9

OBKA	55.22	P	21:55:03.751	1.7	210.5	7.11	TAS	47.2	1.68	m_e	mb	5.2
PLN	57.60	S	22:03:12.348	-2.9	209.9	13.83	TAS			a_e		
PLN	57.60	P	21:55:19.283	0.2	210.5	7.11	TAS	18.0	1.06	m_e	mb	5.0
RETH	58.65	P	21:55:27.008	1.1	210.5	7.11	TAS	48.9	1.56	a_e	mb	5.3
RGN	61.41	S	22:04:08.157	-0.4	209.9	13.83	TAS			m_e		
RGN	61.41	P	21:55:46.372		210.5	7.11	TAS	77.9	0.92	m_e	mb	5.5
RJOB	55.53	S	22:02:45.498	-0.1	209.9	13.83	TAS			a_e		
RJOB	55.53	P	21:55:04.345	0.4	210.5	7.11	TAS	31.0	0.70	m_e	mb	5.4
ROTZ	57.01	S	22:03:07.248	0.3	209.9	13.83	TAS			a_e		
ROTZ	57.01	P	21:55:14.558	-0.2	210.5	7.11	TAS	5.8	1.16	a_e	mb	4.5
RUE	59.82	S	22:03:47.448	1.4	209.9	13.83	TAS			a_e		
RUE	59.82	P	21:55:34.608		210.5	7.11	TAS	50.3	1.13	a_e	mb	5.4
TANN	57.64	S	22:03:16.098	0.3	209.9	13.83	TAS			a_e		
TANN	57.64	P	21:55:19.158	-0.2	210.5	7.11	TAS	32.9	1.02	a_e	mb	5.3
TNS	56.16	S	22:02:56.348	0.3	209.9	13.83	TAS			a_e		
TNS	56.16	P	21:55:08.608	-0.4	210.5	7.11	TAS	44.5	1.25	a_e	mb	5.4
UBBA	57.17	S	22:03:09.898	0.1	209.9	13.83	TAS			a_e		
UBBA	57.17	P	21:55:15.851	-0.3	210.5	7.11	TAS	37.6	1.43	m_e	mb	5.2
UBR	54.50	S	22:02:31.748	-0.6	209.9	13.83	TAS			a_e		
UBR	54.50	P	21:54:56.408	-0.6	210.5	7.11	TAS	53.5	0.71	a_e	mb	5.7
WET	56.72	S	22:03:02.498	-0.1	209.9	13.83	TAS			a_e		
WET	56.72	P	21:55:12.758	0.1	210.5	7.11	TAS	42.0	1.03	a_e	mb	5.4
WLF	54.99	S	22:02:39.498	-0.4	209.9	13.83	TAS			a_e		
WLF	54.99	P	21:55:01.163	0.5	210.5	7.11	TAS	71.5	1.70	m_e	mb	5.4
WTTA	54.70	P	21:54:59.065	0.3	210.5	7.11	TAS	76.4	1.13	m_e	mb	5.6

Event 80311002 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/11	08:21:48.98	3.32	1.51	34.1200	23.9590	105.6	101.2	7	10.0			12	344	16.57	22.03	m i ke	BGR
80311008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	80311008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	22.03		P	08:26:42.878	0.2					T__		17.1	0.94	m_e	mb	4.5
CLL	18.93		P	08:26:05.809	-2.8					T__		8.1	0.93	m_e	mb	3.9
GEC2	16.57		P	08:25:42.261	2.6					T__		14.6	1.12	m_e	mb	4.0
GRA1	18.18		P	08:25:58.899	-0.7					T__		18.3	0.97	m_e	mb	4.2
PLN	18.50		P	08:26:04.133	0.7					T__		9.9	1.18	m_e	mb	3.8
RETH	21.34		P	08:26:38.130	2.6					T__		46.0	1.61	m_e	mb	4.6
ROTZ	17.88		P	08:25:54.463	-1.4					T__		2.0	0.84	m_e	mb	3.3
RUE	19.75		P	08:26:17.973	-0.0					T__		23.3	1.02	m_e	mb	4.4
TNS	19.71		P	08:26:16.255	-1.3					T__		10.4	0.90	m_e	mb	4.1
UBR	17.08		P	08:25:46.977	0.9					T__		9.6	0.88	m_e	mb	3.9

WET	17.12	P	08:25:46.153	-0.3	T__	12.2	0.89	m_e	mb	4.0
WLF	20.34	P	08:26:24.100	-0.6	T__	24.9	1.00	m_e	mb	4.4

Event 80311003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/11	11:11:39.93			44.5350	149.1910				33.0			17		76.03	81.35	m i ke	BGR
OrigID 80311009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80311009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	81.35		P	11:23:51.381		29.1		5.48		TAS		5.0	0.78	m_e	mb	4.6
BRG	77.35		P	11:23:29.274	0.0	29.1		5.48		TAS		4.4	0.77	m_e	mb	4.7
BUG	78.89		P	11:23:38.188		29.1		5.48		TAS		7.2	0.80	m_e	mb	4.8
CLL	77.28		P	11:23:28.835	-0.2	29.1		5.48		TAS		17.3	0.60	m_e	mb	5.4
CLZ	77.63		P	11:23:31.418	0.1	29.1		5.48		TAS		12.0	0.87	m_e	mb	5.0
FLT1	76.94		P	11:23:26.768	0.1	29.1		5.48		TAS		10.7	0.79	m_e	mb	5.0
GEC2	79.18		P	11:23:39.312		29.1		5.48		TAS		5.3	0.67	m_e	mb	4.7
GRA1	79.25		P	11:23:40.487		29.1		5.48		TAS		14.2	0.62	m_e	mb	5.2
GTTG	78.01		P	11:23:33.917	0.8	29.1		5.48		TAS		9.7	0.91	m_e	mb	4.9
IBBN	77.98		P	11:23:33.189	-0.4	29.1		5.48		TAS		13.8	0.95	m_e	mb	5.1
KAST	78.77		P	11:23:37.757		29.1		5.48		TAS		5.0	0.81	m_e	mb	4.6
MANZ	78.71		P	11:23:37.266		29.1		5.48		TAS		1.6	0.90	m_e	mb	4.1
MOX	78.30		P	11:23:34.705		29.1		5.48		TAS		4.3	0.76	m_e	mb	4.7
PLN	78.26		P	11:23:34.734	-0.3	29.1		5.48		TAS		5.5	1.00	m_e	mb	4.6
RETH	77.14		P	11:23:28.228	0.1	29.1		5.48		TAS		13.2	1.10	m_e	mb	5.0
ROTZ	78.87		P	11:23:38.368		29.1		5.48		TAS		1.5	0.97	m_e	mb	4.0
RUE	76.03		P	11:23:23.400	-0.3	29.1		5.48		TAS		18.3	0.53	m_e	mb	5.4
TANN	78.23		P	11:23:34.520		29.1		5.48		TAS		3.6	0.90	m_e	mb	4.5
WET	79.19		P	11:23:40.617		29.1		5.48		TAS		10.6	0.88	m_e	mb	4.9

Event 80311005 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/11	17:44:51.41			52.4300	178.9400				33.0			9		73.58	77.41	m i ke	BGR
OrigID 80311011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80311011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	77.17	P	17:56:42.218	7.7	5.73	TAS	6.5	0.95	m_e	mb	4.7
BRG	76.29	P	17:56:37.343	7.7	5.73	TAS	7.1	1.23	m_e	mb	4.7
BSEG	73.58	P	17:56:22.014	-0.4	7.7	TAS	12.2	0.85	m_e	mb	5.0
CLZ	75.66	P	17:56:34.020	7.7	5.73	TAS	9.1	0.91	m_e	mb	4.9
FLT1	75.10	P	17:56:30.043	-0.1	7.7	TAS	6.7	0.86	m_e	mb	4.7
GTTG	75.98	P	17:56:36.097	7.7	5.73	TAS	8.8	1.05	m_e	mb	4.8
IBBN	75.37	P	17:56:31.643	7.7	5.73	TAS	10.3	0.72	m_e	mb	5.0
MOX	76.74	P	17:56:39.613	7.7	5.73	TAS	8.3	1.32	m_e	mb	4.7
TNS	77.41	P	17:56:43.945	7.7	5.73	TAS	2.3	0.61	m_e	mb	4.5

Event 80312001 Off east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/12	01:53:54.28			52.5810	161.1160				33.0					74.95	74.95	m i ke	BGR
OrigID 80312007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	80312007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	74.95		P	02:05:30.493		16.0		4.85		TAS		4.7	1.07	m_e	mb 4.4

Event 80312003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/12	06:40:06.95			41.5800	143.7400				62.9	5.0		33		76.80	82.51	m i ke	BGR
OrigID 80312009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80312009
Ms	4.9		BGR	80312009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.74		P	06:52:13.012	0.0	34.1		5.41		TAS		13.3	1.03	m_e	mb 4.9
AHRW	80.74		pP	06:52:31.504	4.0					T__				m_e	
ASSE	78.18		P	06:51:59.533	0.3	34.1		5.41		TAS		8.3	0.97	m_e	mb 4.8
BFO	82.19		P	06:52:20.877		34.1		5.41		TAS		27.4	1.20	m_e	mb 5.3
BFO	82.19		pP	06:52:38.846	4.0					T__				m_e	
BRG	78.04		P	06:51:58.515	-0.1	34.1		5.41		TAS		9.7	1.02	m_e	mb 4.9
BSEG	76.81		P	06:51:52.264	-0.2	34.1		5.41		TAS		26.4	0.93	a_e	mb 5.4
BUG	79.91		P	06:52:08.729	-0.4	34.1		5.41		TAS		28.3	1.16	m_e	mb 5.1
CLL	78.03		P	06:51:58.364	0.3	34.1		5.41		TAS		18.0	0.84	m_e	mb 5.2
CLL	78.03		pP	06:52:15.080	4.0					T__				m_e	

CLZ	78.53	P	06:52:01.964	-0.1	34.1	5.41	TAS	16.1	0.71	a_e	mb	5.2
CLZ	78.53	pP	06:52:18.409	4.0			T__			m_e		
DAVA	82.51	P	06:52:22.841		34.1	5.41	TAS	29.1	0.90	m_e	mb	5.5
DAVA	82.51	pP	06:52:40.706	4.0			T__			m_e		
FLT1	77.82	P	06:51:57.164	0.1	34.1	5.41	TAS	24.2	0.79	a_e	mb	5.4
FLT1	77.82	pP	06:52:13.728	4.0			T__			m_e		
FUR	81.26	P	06:52:16.614	-0.4	34.1	5.41	TAS	30.2	0.96	a_e	mb	5.3
GEC2	79.77	P	06:52:08.164	0.4	34.1	5.41	TAS	6.7	0.80	a_e	mb	4.6
GRA1	80.01	P	06:52:09.867	0.5	34.1	5.41	TAS	26.7	0.80	m_e	mb	5.2
GRA1	80.01	L	07:33:05.817				T__	530.8	20.00	a_e	Ms	4.9
GTTG	78.91	P	06:52:03.864	-0.2	34.1	5.41	TAS	17.0	0.75	a_e	mb	5.2
IBBN	79.01	P	06:52:04.264	0.1	34.1	5.41	TAS	25.1	0.85	a_e	mb	5.3
KAST	79.73	P	06:52:07.900	-0.1	34.1	5.41	TAS	11.3	1.04	m_e	mb	4.7
KAST	79.73	pP	06:52:25.584	4.0			T__			m_e		
KBA	81.35	P	06:52:16.971		34.1	5.41	TAS	18.6	0.83	m_e	mb	5.2
MANZ	79.44	P	06:52:06.564	-0.0	34.1	5.41	TAS	2.3	0.87	a_e	mb	4.2
MOX	79.08	P	06:52:04.564	0.4	34.1	5.41	TAS	18.4	1.27	a_e	mb	5.0
MOX	79.08	pP	06:52:22.327	4.0			T__			m_e		
MOX	79.08	L	07:33:14.560				T__	543.1	18.90	a_e	Ms	4.9
NEUB	78.57	P	06:52:01.564	0.2	34.1	5.41	TAS	30.0	1.01	a_e	mb	5.3
NRDL	78.07	P	06:51:59.109	0.5	34.1	5.41	TAS	9.3	1.09	m_e	mb	4.8
OBKA	81.33	P	06:52:16.031	-0.2	34.1	5.41	TAS	14.0	0.70	m_e	mb	5.1
PLN	79.01	P	06:52:03.920	-0.1	34.1	5.41	TAS	6.2	0.89	m_e	mb	4.6
RETH	78.12	P	06:51:59.564	-0.1	34.1	5.41	TAS	10.8	0.91	a_e	mb	5.0
RJOB	81.03	P	06:52:15.514	0.2	34.1	5.41	TAS	20.5	0.93	a_e	mb	5.1
ROTZ	79.59	P	06:52:07.614	0.2	34.1	5.41	TAS	2.6	0.93	a_e	mb	4.1
RUE	76.80	P	06:51:51.964	-0.5	34.1	5.41	TAS	21.4	0.72	a_e	mb	5.4
TANN	78.96	P	06:52:03.696	0.1	34.1	5.41	TAS	6.3	1.09	m_e	mb	4.6
TNS	80.55	P	06:52:12.016	0.2	34.1	5.41	TAS	9.0	0.77	m_e	mb	4.9
UBBA	79.51	P	06:52:06.661	-0.1	34.1	5.41	TAS	3.6	0.71	m_e	mb	4.4
UBR	82.10	P	06:52:21.013		34.1	5.41	TAS	32.0	1.55	m_e	mb	5.2
WET	79.85	P	06:52:08.787	-0.4	34.1	5.41	TAS	14.6	0.98	m_e	mb	4.9
WET	79.85	pP	06:52:25.423	4.0			T__			m_e		
WTTA	81.87	P	06:52:19.546		34.1	5.41	TAS	15.4	0.79	m_e	mb	5.2

Event 80312004 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/12	07:35:39.20			28.4560	57.0090				33.0					40.61	40.61	m i ke	BGR
80312010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	80312010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	40.61		P	07:43:15.610		109.3		8.95		TAS		4.8	0.84	m_e	mb	4.3

Event 80312006 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/12	12:35:28.38	2.27	1.31	34.6390	24.1070	65.6	61.2	46	10.0			27	343	14.84	21.60	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	80312012
Ms	3.7		BGR	80312012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	20.16		P	12:40:05.295	4.0	142.9		12.16		TAS		13.8	0.79	m_e	mb	4.2
ASSE	19.96		P	12:40:00.494		142.9		12.16		TAS		7.6	0.79	m_e	mb	4.0
BFO	18.03		P	12:39:34.477	0.5	142.9		12.16		TAS		6.4	0.81	m_e	mb	3.8
BRG	17.83		P	12:39:34.802	0.3	142.9		12.16		TAS		8.9	0.75	m_e	mb	4.0
BSEG	21.60		P	12:40:14.478		142.9		12.16		TAS		44.9	0.88	m_e	mb	4.9
BUG	20.74		P	12:40:08.516		142.9		12.16		TAS		14.0	0.73	m_e	mb	4.4
CLL	18.50		P	12:39:41.848	1.5	142.9		12.16		TAS		25.9	1.06	m_e	mb	4.3
CLZ	19.83		P	12:39:58.326	-3.1	142.9		12.16		TAS		12.9	0.84	m_e	mb	4.2
FLT1	19.94		P	12:40:01.036	-4.6	142.9		12.16		TAS		23.3	1.05	m_e	mb	4.3
GEC2	16.16		P	12:39:12.904	0.8	142.9		12.16		TAS		18.8	0.84	m_e	mb	4.3
GRA1	17.78		P	12:39:34.151	0.7	142.9		12.16		TAS		88.5	1.44	m_e	mb	4.7
GRA1	17.78		L	12:46:55.535						T__		472.4	21.50	a_e	Ms	3.7
GTTG	19.74		P	12:39:57.676	-1.2	142.9		12.16		TAS		29.6	1.11	m_e	mb	4.4
KAST	20.08		P	12:40:03.746		142.9		12.16		TAS		13.3	1.04	m_e	mb	4.1
KBA	14.84		P	12:38:56.151	-1.1	142.9		12.16		TAS		29.2	0.82	m_e		
MANZ	17.68		P	12:39:33.393	-1.0	142.9		12.16		TAS		4.8	0.80	m_e		
MOA	15.11		P	12:38:58.234	-1.1	142.9		12.16		TAS		55.7	0.71	m_e		
MOX	18.40		P	12:39:42.065	-0.4	142.9		12.16		TAS		29.1	1.55	m_e		
MOX	18.40		L	12:48:51.753						T__		391.0	20.80	a_e	Ms	3.7
NRDL	20.46		P	12:40:07.215		142.9		12.16		TAS		10.3	0.87	m_e		
PLN	18.08		P	12:39:36.320	-0.1	142.9		12.16		TAS		19.8	1.04	m_e		
RETH	20.93		P	12:40:08.841		142.9		12.16		TAS		17.4	0.93	m_e		
RJOB	15.59		P	12:39:06.255	1.2	142.9		12.16		TAS		9.9	0.68	m_e		
ROTZ	17.46		P	12:39:30.791	-0.8	142.9		12.16		TAS		5.0	0.77	m_e		
RUE	19.30		P	12:39:52.906	1.9	142.9		12.16		TAS		39.7	0.73	m_e		
TANN	17.91		P	12:39:36.211	3.2	142.9		12.16		TAS		14.2	0.82	m_e		
TNS	19.33		P	12:39:53.014	1.0	142.9		12.16		TAS		21.9	0.84	m_e		
UBR	16.72		P	12:39:22.660	1.0	142.9		12.16		TAS		12.4	0.68	m_e		
WET	16.70		P	12:39:22.010	1.7	142.9		12.16		TAS				m_e		
WLF	19.99		P	12:39:59.627		142.9		12.16		TAS		74.4	0.97	m_e		

Event 80313001 Kodiak Island, Alaska, United States, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/13 00:59:43.15 56.8400 -152.4500 33.0 24 68.69 76.45 m i ke BGR
 80313007

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 80313007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	71.65		P	01:11:01.954	-0.3	350.9		5.99		TAS		7.3	0.87	m_e	mb 4.8
BRG	72.07		P	01:11:04.347		350.9		5.99		TAS		163.1	3.76	m_e	mb 5.5
BSEG	68.69		P	01:10:43.873	0.0	350.9		5.99		TAS		6.4	0.87	m_e	mb 4.9
CLL	71.55		P	01:11:01.020	0.2	350.9		5.99		TAS		4.3	0.79	m_e	mb 4.6
CLZ	70.76		P	01:10:57.286	-0.3	350.9		5.99		TAS		11.6	0.86	m_e	mb 5.0
FBE	71.97		P	01:11:04.263		350.9		5.99		TAS		6.9	0.79	m_e	mb 4.8
GRA1	72.98		P	01:11:10.078		350.9		5.99		TAS		5.5	0.68	m_e	mb 4.8
GTTG	71.01		P	01:10:58.183	0.1	350.9		5.99		TAS		8.7	0.53	m_e	mb 5.1
GUNZ	72.42		P	01:11:06.827		350.9		5.99		TAS		5.2	0.79	m_e	mb 4.7
HKWD	71.96		P	01:11:03.947		350.9		5.99		TAS		9.2	0.83	m_e	mb 4.9
HWTS	72.11		P	01:11:04.577		350.9		5.99		TAS		6.3	0.82	m_e	mb 4.8
KAST	71.17		P	01:10:59.044	-0.2	350.9		5.99		TAS		8.5	1.05	m_e	mb 4.8
KBA	75.77		P	01:11:26.330		350.9		5.99		TAS		7.1	0.92	m_e	mb 4.8
MODW	71.86		P	01:11:03.199		350.9		5.99		TAS		5.0	0.83	m_e	mb 4.7
MOX	72.07		P	01:11:04.178		350.9		5.99		TAS		10.1	0.99	m_e	mb 4.9
NKC	72.56		P	01:11:07.648		350.9		5.99		TAS		6.4	0.72	m_e	mb 4.8
OBKA	76.45		P	01:11:30.239		350.9		5.99		TAS		9.9	0.80	m_e	mb 5.0
PLN	72.28		P	01:11:05.632		350.9		5.99		TAS		5.1	0.77	m_e	mb 4.7
RJOB	75.07		P	01:11:22.140		350.9		5.99		TAS		3.9	0.78	m_e	mb 4.5
ROTZ	73.00		P	01:11:10.107		350.9		5.99		TAS		1.7	0.91	m_e	mb 4.2
SCHF	72.12		P	01:11:04.800		350.9		5.99		TAS		6.4	0.93	m_e	mb 4.7
WERD	72.34		P	01:11:05.856		350.9		5.99		TAS		3.7	0.90	m_e	mb 4.5
WERN	72.50		P	01:11:06.832		350.9		5.99		TAS		6.6	0.73	m_e	mb 4.9
WTTA	75.42		P	01:11:24.248		350.9		5.99		TAS		7.8	0.83	m_e	mb 4.8

Event 80313002 Northern Sumatera, Indonesia
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/13 04:33:42.39 2.4370 98.3660 121.2 2.2 18 84.60 88.96 m i ke BGR
 80313008

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 80313008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.96		pP	04:46:55.072		90.7		4.94		TAS				m_e	

ASSE	86.67	P	04:46:12.288	0.3	90.6	4.88	TAS	15.6	1.34	m_e	mb	5.0
ASSE	86.67	pP	04:46:43.338	-0.1	90.7	4.94	TAS			m_e		
BRG	84.60	P	04:46:02.198		90.6	4.88	TAS	3.9	1.01	m_e	mb	4.6
BRG	84.60	pP	04:46:33.418		90.7	4.94	TAS			m_e		
BSEG	86.89	pP	04:46:44.977	0.4	90.7	4.94	TAS	20.9	1.00	m_e		
BUG	88.80	pP	04:46:54.034	0.2	90.7	4.94	TAS			m_e		
CLZ	86.86	P	04:46:13.406	-0.2	90.6	4.88	TAS	9.7	0.89	m_e	mb	4.9
CLZ	86.86	pP	04:46:44.681	0.1	90.7	4.94	TAS			m_e		
FLT1	86.33	pP	04:46:41.310	-0.1	90.7	4.94	TAS			m_e		
GTTG	87.11	P	04:46:14.937	-0.3	90.6	4.88	TAS	7.9	0.58	m_e	mb	5.0
IBBN	88.46	pP	04:46:52.249	0.2	90.7	4.94	TAS			m_e		
KAST	88.09	P	04:46:19.344		90.6	4.88	TAS	12.8	1.20	m_e	mb	5.1
KAST	88.09	pP	04:46:50.473	-0.1	90.7	4.94	TAS			m_e		
MANZ	85.74	P	04:46:08.687		90.6	4.88	TAS	2.0	0.96	m_e	mb	4.2
MANZ	85.74	pP	04:46:39.329		90.7	4.94	TAS			m_e		
NRDL	87.02	P	04:46:14.438	0.2	90.6	4.88	TAS	14.5	1.00	m_e	mb	5.1
NRDL	87.02	pP	04:46:45.730	-0.6	90.7	4.94	TAS			m_e		
RETH	87.47	P	04:46:16.248	-0.1	90.6	4.88	TAS	12.9	1.19	m_e	mb	4.9
RETH	87.47	pP	04:46:47.413	-0.2	90.7	4.94	TAS			m_e		
RJOB	85.22	P	04:46:05.143		90.6	4.88	TAS	5.7	0.89	m_e	mb	4.8
ROTZ	85.67	P	04:46:07.922		90.6	4.88	TAS	0.8	0.74	m_e	mb	3.9
ROTZ	85.67	pP	04:46:38.489		90.7	4.94	TAS			m_e		
RUE	84.77	P	04:46:03.131	-0.1	90.6	4.88	TAS	34.6	0.91	m_e	mb	5.6
RUE	84.77	pP	04:46:34.333	-0.3	90.7	4.94	TAS			m_e		
TNS	88.09	P	04:46:19.454		90.6	4.88	TAS	12.0	0.89	m_e	mb	5.2
TNS	88.09	pP	04:46:50.780		90.7	4.94	TAS			m_e		
WET	85.21	P	04:46:05.213		90.6	4.88	TAS	3.9	0.90	m_e	mb	4.6
WET	85.21	pP	04:46:36.218		90.7	4.94	TAS			m_e		

Event 80313003 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
2018/03/13	06:46:42.41			35.2450	141.1640				33.0					84.52	84.52	m i ke	BGR
80313009																	

Magnitude Err Nsta Author OrigID
mb 5.1 BGR 80313009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	84.52		P	06:59:10.909		45.5		4.66		TAS		11.8	1.01	m_e	mb	5.1

Event 80314005 Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2018/03/14 10:24:50.32 0.58 1.27 45.1220 26.3110 62.3 13.3 26 140.0 10 177 0.45 13.60 m i ke BGR
 80314011

Magnitude Err Nsta Author OrigID
 ML 4.5 BGR 80314011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	7.78		P	10:26:40.516	0.6					T__					
BSEG	13.60		P	10:27:57.760	1.9					T__					
GEC2	9.39		P	10:27:00.396	-0.7					T__					
MANZ	10.76		P	10:27:19.189	0.1					T__		2.5	0.98	m_e	
MLR	0.45		P	10:25:10.100	-1.2					T__				m_e	4.2
MOA	8.75		P	10:26:52.963	0.3					T__				m_e	
NKC	10.65		P	10:27:18.508	0.8					T__				m_e	
PSZ	5.24		P	10:26:02.954						T__				m_e	
TIRR	1.64		P	10:25:21.476	0.3					T__				m_e	4.8
VYHS	6.14		P	10:26:15.241	-2.9					T__				m_e	
WERN	10.71		P	10:27:19.267	0.8					T__				m_e	

Event 80314007 Tonga Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/14 11:46:37.83 -20.5700 -175.8700 217.9 4.3 32 146.32 152.53 m i ke BGR
 80314013

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.00		PKPbc	12:06:02.183	0.3	11.7		2.45		TAS				m_e	
ASSE	148.09		PKPbc	12:05:56.876	-0.2	11.7		2.45		TAS				m_e	
ASSE	148.09		PKPab	12:06:00.191	-0.6	11.2		4.24		TAS				m_e	
BFO	152.10		PKPbc	12:06:06.298	-0.6	11.7		2.45		TAS				m_e	
BFO	152.10		PKPab	12:06:16.822		11.2		4.24		TAS				m_e	
BFO	152.10		pPKPbc	12:07:02.643		12.6		2.51		TAS				m_e	
BRG	148.78		PKPbc	12:05:59.116	0.1	11.7		2.45		TAS				m_e	
BRG	148.78		PKPab	12:06:03.240	0.2	11.2		4.24		TAS				m_e	
BRG	148.78		pPKPbc	12:06:54.487		12.6		2.51		TAS				m_e	
BSEG	146.36		PKPbc	12:05:52.536	-0.3	11.7		2.45		TAS				m_e	
BUG	149.09		PKPbc	12:05:59.472	-0.1	11.7		2.45		TAS				m_e	
BUG	149.09		PKPab	12:06:04.183	-0.0	11.2		4.24		TAS				m_e	
CLL	148.54		PKPbc	12:05:58.404	0.1	11.7		2.45		TAS				m_e	
CLZ	148.41		PKPbc	12:05:58.256	0.4	11.7		2.45		TAS				m_e	
CLZ	148.41		PKPab	12:06:01.653	-0.3	11.2		4.24		TAS				m_e	
CLZ	148.41		pPKPbc	12:06:53.720	0.2	12.6		2.51		TAS				m_e	
FLT1	147.82		PKPdf	12:05:53.124		2.8		1.56		TAS				m_e	

FLT1	147.82	PKPbc	12:05:56.370	-0.0	11.7	2.45	TAS	m_e
FLT1	147.82	PKPab	12:05:58.475	-0.0	11.2	4.24	TAS	m_e
FLT1	147.82	pPKPbc	12:06:52.026	-0.4	12.6	2.51	TAS	m_e
FUR	151.87	PKPbc	12:06:06.336	-0.0	11.7	2.45	TAS	m_e
FUR	151.87	PKPab	12:06:16.250		11.2	4.24	TAS	m_e
GEC2	150.76	PKPbc	12:06:03.581	-0.3	11.7	2.45	TAS	m_e
GEC2	150.76	pPKPbc	12:06:59.612		12.6	2.51	TAS	m_e
GOR1	147.17	PKPbc	12:05:54.301	-0.5	11.7	2.45	TAS	m_e
GRA1	150.40	PKPbc	12:06:03.298	0.6	11.7	2.45	TAS	m_e
GRA1	150.40	PKPab	12:06:09.877		11.2	4.24	TAS	m_e
GTTG	148.75	PKPbc	12:05:58.784	0.1	11.7	2.45	TAS	m_e
GTTG	148.75	PKPab	12:06:02.640	0.1	11.2	4.24	TAS	m_e
HLG	146.32	PKPbc	12:05:52.631	-0.2	11.7	2.45	TAS	m_e
IBBN	148.20	PKPbc	12:05:57.270	-0.1	11.7	2.45	TAS	m_e
IBBN	148.20	PKPab	12:06:00.571	-0.0	11.2	4.24	TAS	m_e
KAST	149.24	PKPbc	12:06:00.154	0.2	11.7	2.45	TAS	m_e
KAST	149.24	pPKPbc	12:06:55.180		12.6	2.51	TAS	m_e
MANZ	149.97	PKPdf	12:05:56.793		2.8	1.56	TAS	m_e
MANZ	149.97	PKPbc	12:06:02.401	0.7	11.7	2.45	TAS	m_e
MANZ	149.97	pPKPbc	12:06:57.068		12.6	2.51	TAS	m_e
MOX	149.41	PKPbc	12:06:00.232	-0.1	11.7	2.45	TAS	m_e
MOX	149.41	pPKPbc	12:06:56.219		12.6	2.51	TAS	m_e
NEUB	148.85	PKPdf	12:05:55.130		2.8	1.56	TAS	m_e
NEUB	148.85	PKPbc	12:05:59.183	0.2	11.7	2.45	TAS	m_e
NRDL	147.80	PKPbc	12:05:56.134	-0.2	11.7	2.45	TAS	m_e
NRDL	147.80	PKPab	12:05:58.651	0.0	11.2	4.24	TAS	m_e
PLN	149.48	PKPdf	12:05:56.125		2.8	1.56	TAS	m_e
PLN	149.48	PKPbc	12:06:00.711	0.2	11.7	2.45	TAS	m_e
PLN	149.48	pPKPbc	12:06:56.720		12.6	2.51	TAS	m_e
RETH	147.64	PKPbc	12:05:55.854	-0.1	11.7	2.45	TAS	m_e
RJOB	152.00	PKPbc	12:06:06.484	-0.4	11.7	2.45	TAS	m_e
RJOB	152.00	PKPab	12:06:17.217		11.2	4.24	TAS	m_e
RJOB	152.00	pPKPbc	12:07:02.950		12.6	2.51	TAS	m_e
ROTZ	150.16	PKPbc	12:06:02.123	-0.1	11.7	2.45	TAS	m_e
ROTZ	150.16	pPKPbc	12:06:57.295		12.6	2.51	TAS	m_e
RUE	147.28	PKPbc	12:05:55.056	-0.2	11.7	2.45	TAS	m_e
TANN	149.50	PKPdf	12:05:56.024		2.8	1.56	TAS	m_e
TANN	149.50	PKPbc	12:06:00.822	0.2	11.7	2.45	TAS	m_e
TANN	149.50	PKPab	12:06:05.708		11.2	4.24	TAS	m_e
TNS	150.21	PKPbc	12:06:02.463	0.2	11.7	2.45	TAS	m_e
TNS	150.21	PKPab	12:06:08.654		11.2	4.24	TAS	m_e
TNS	150.21	pPKPbc	12:06:58.132		12.6	2.51	TAS	m_e
UBBA	149.46	PKPbc	12:06:00.301	-0.1	11.7	2.45	TAS	m_e
UBBA	149.46	PKPab	12:06:05.061		11.2	4.24	TAS	m_e
UBR	152.53	PKPdf	12:06:00.523		2.8	1.56	TAS	m_e
UBR	152.53	PKPbc	12:06:07.274	-0.6	11.7	2.45	TAS	m_e
WET	150.64	PKPbc	12:06:03.690	0.2	11.7	2.45	TAS	m_e
WET	150.64	PKPab	12:06:10.956		11.2	4.24	TAS	m_e
WLF	150.93	PKPbc	12:06:04.514	0.3	11.7	2.45	TAS	m_e

WLF 150.93 pPKPbc 12:07:00.317 12.6 2.51 TAS m_e

Event 80314011 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/03/14 20:14:45.64 -20.0780 179.5060 600.0 8 145.20 148.52 m i ke BGR
80314017

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for BRG, BSEG, CHRS, CLL, CLZ, FBE, FLT1, GRZ1, GUNZ, HKWD, MANZ, MODW, MULD, NEUB, NKC, NRDL, PLN, SCHF, TANN, WERN.

Event 80314010 Off east coast of Honshu, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/03/14 20:40:59.85 39.8050 143.6380 33.0 81.52 81.52 m i ke BGR
80314016

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80314016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.52		P	20:53:12.739		37.1		4.45		TAS		4.4	0.91	m_e	mb 4.6

Event 80315010 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/15	06:48:20.91			-21.9600	171.4300				141.0			31		145.00	150.42	m i ke	BGR
OrigID																	
80315016																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.94		PKPbc	07:07:51.685	-0.7	35.2		2.84		TAS				m_e	
ASSE	146.41		PKPbc	07:07:44.065	0.5	35.2		2.84		TAS				m_e	
BFO	150.42		PKPbc	07:07:54.971		35.2		2.84		TAS				m_e	
BRG	146.20		PKPbc	07:07:43.779	-0.1	35.2		2.84		TAS				m_e	
BSEG	145.00		PKPbc	07:07:39.789	-0.3	35.2		2.84		TAS				m_e	
BUG	148.10		PKPbc	07:07:49.285	0.1	35.2		2.84		TAS				m_e	
CLL	146.23		PKPbc	07:07:43.603	-0.2	35.2		2.84		TAS				m_e	
CLZ	146.75		PKPbc	07:07:45.594	0.1	35.2		2.84		TAS				m_e	
FBE	146.40		pPKPbc	07:08:20.871						T__				m_e	
FLT1	146.05		PKPbc	07:07:43.067	-0.2	35.2		2.84		TAS				m_e	
FUR	149.40		PKPbc	07:07:52.930	-0.7	35.2		2.84		TAS				m_e	
GEC2	147.85		PKPbc	07:07:48.482	0.1	35.2		2.84		TAS				m_e	
GOR1	145.48		PKPbc	07:07:41.681	0.0	35.2		2.84		TAS				m_e	
GRA1	148.21		PKPbc	07:07:49.636	0.0	35.2		2.84		TAS				m_e	
GTTG	147.14		PKPbc	07:07:46.849	0.3	35.2		2.84		TAS				m_e	
HKWD	146.90		pPKPbc	07:08:22.710						T__				m_e	
IBBN	147.19		PKPbc	07:07:46.783	0.1	35.2		2.84		TAS				m_e	
KAST	147.95		PKPbc	07:07:48.766	0.2	35.2		2.84		TAS				m_e	
MANZ	147.63		PKPbc	07:07:47.974	-0.2	35.2		2.84		TAS				m_e	
MOX	147.29		PKPbc	07:07:46.907	0.3	35.2		2.84		TAS				m_e	
NEUB	146.79		PKPbc	07:07:45.587	0.1	35.2		2.84		TAS				m_e	
NRDL	146.29		PKPbc	07:07:43.883	0.3	35.2		2.84		TAS				m_e	
PLN	147.21		PKPbc	07:07:46.851	0.0	35.2		2.84		TAS				m_e	
ROTZ	147.76		PKPbc	07:07:48.474	0.2	35.2		2.84		TAS				m_e	
RUE	145.01		PKPbc	07:07:40.034	0.0	35.2		2.84		TAS				m_e	
TANN	147.15		PKPbc	07:07:46.550	0.2	35.2		2.84		TAS				m_e	
TANN	147.15		pPKPbc	07:08:23.638						T__				m_e	
TNS	148.78		PKPbc	07:07:51.143	0.2	35.2		2.84		TAS				m_e	
UBBA	147.74		PKPbc	07:07:48.088	0.1	35.2		2.84		TAS				m_e	
UBR	150.27		PKPbc	07:07:54.612		35.2		2.84		TAS				m_e	
WET	147.97		PKPbc	07:07:49.077	0.1	35.2		2.84		TAS				m_e	

WLF 150.00 PKPbc 07:07:54.824 35.2 2.84 TAS m_e

Event 80317001 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2018/03/17 07:36:29.67 -23.9910 -179.3660 500.0 17 151.11 153.14 m i ke BGR
80317007

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Rows include station data for BRG, CHRS, CLL, FBE, GEC2, GRZ1, GUNZ, HKWD, HWTS, MLFH, MODW, MOX, MULD, NEUB, NKC, PLN, SCHF, TANN, TAUT, WERD, WERN, WET.

WIMM	151.27	PKPbc	07:55:26.173	-0.1	21.7	2.16	TAS	m_e
WIMM	151.27	PKPab	07:55:35.014	0.5	20.0	4.57	TAS	m_e

Event 80317004 South of Alaska

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/17	19:31:36.64			51.6740	-162.9250				33.0					78.89	78.89	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80317010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.89		P	19:43:34.992		354.2		5.01		TAS		5.5	0.97	m_e mb	4.6

Event 80317005 Myanmar

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/17	19:59:16.10			21.0330	96.7680				33.0					71.43	71.43	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80317011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	71.43		P	20:10:32.737		88.0		5.57		TAS		14.9	1.26	m_e mb	5.0

Event 80318001 Minahassa Peninsula, Sulawesi, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/18	11:35:06.00			0.5700	121.5300				109.0					102.58	102.58	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	102.58		PP	11:53:08.515						T__				m_e	

Event 80318002 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/18	18:00:30.01			47.3300	148.1600				133.5	0.7		31		71.56	78.56	m i ke	BGR
80318008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	80318008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.90		P	18:12:07.340	0.1	28.7		5.71		TAS		92.0	1.00	a_e	mb 5.9
ASSE	74.45		P	18:11:53.490	0.4	28.7		5.71		TAS		32.2	0.95	a_e	mb 5.3
BFO	78.52		P	18:12:16.140	0.0	28.7		5.71		TAS		43.4	1.00	a_e	mb 5.4
BRG	74.54		P	18:11:53.940	-0.2	28.7		5.71		TAS		50.7	0.91	m_e	mb 5.5
BSEG	72.97		P	18:11:44.990	0.0	28.7		5.71		TAS		63.8	0.89	a_e	mb 5.8
BUG	76.04		P	18:12:02.190	-0.3	28.7		5.71		TAS		99.1	0.99	a_e	mb 5.9
CLL	74.46		P	18:11:53.240	0.1	28.7		5.71		TAS		162.0	0.76	a_e	mb 6.1
CLL	74.46		sP	18:12:41.187	0.4					T__				m_e	
CLZ	74.79		P	18:11:55.840	0.1	28.7		5.71		TAS		127.4	0.97	a_e	mb 5.9
FLT1	74.11		P	18:11:51.040	-0.0	28.7		5.71		TAS		112.4	0.86	a_e	mb 5.9
FUR	77.76		P	18:12:12.390	-0.5	28.7		5.71		TAS		130.1	0.88	a_e	mb 6.1
GEC2	76.38		P	18:12:04.490	-0.6	28.7		5.71		TAS		44.9	0.74	a_e	mb 5.7
GRA1	76.43		P	18:12:05.140	0.5	28.7		5.71		TAS		149.4	0.84	a_e	mb 6.2
GRA1	76.43		sP	18:12:52.850	0.4					T__				m_e	
GTTG	75.17		P	18:11:57.790	-0.3	28.7		5.71		TAS		85.4	0.98	a_e	mb 5.7
HLG	73.41		P	18:11:47.440	0.0	28.7		5.71		TAS		272.5	0.90	a_e	mb 6.4
IBBN	75.13		P	18:11:57.140	-0.5	28.7		5.71		TAS		110.4	0.83	a_e	mb 5.9
KAST	75.93		P	18:12:01.990	-0.2	28.7		5.71		TAS		79.0	0.99	a_e	mb 5.8
MANZ	75.90		P	18:12:01.790	0.3	28.7		5.71		TAS		12.6	0.91	a_e	mb 5.0
MOX	75.47		P	18:11:59.390	-0.1	28.7		5.71		TAS		62.7	0.94	a_e	mb 5.6
NEUB	74.94		P	18:11:56.140	-0.1	28.7		5.71		TAS		162.8	1.07	a_e	mb 6.0
NRDL	74.30		P	18:11:52.540	0.0	28.7		5.71		TAS		61.9	0.91	a_e	mb 5.6
PLN	75.44		P	18:11:59.240	0.0	28.7		5.71		TAS		51.5	0.95	a_e	mb 5.5
RETH	74.29		P	18:11:52.640	-0.1	28.7		5.71		TAS		85.3	0.97	a_e	mb 5.7
RGN	71.56		P	18:11:37.146	0.1	28.7		5.71		TAS		207.4	0.92	m_e	mb 6.3
ROTZ	76.06		P	18:12:02.940	1.0	28.7		5.71		TAS		18.1	0.98	a_e	mb 5.2
RUE	73.21		P	18:11:46.440	-0.1	28.7		5.71		TAS		132.3	0.90	a_e	mb 6.1
TANN	75.41		P	18:11:58.990	-0.1	28.7		5.71		TAS		32.1	0.95	a_e	mb 5.3
TNS	76.79		P	18:12:06.740	0.0	28.7		5.71		TAS		66.8	0.90	a_e	mb 5.8
UBBA	75.81		P	18:12:01.040	0.0	28.7		5.71		TAS		23.4	0.87	a_e	mb 5.3
UBBA	75.81		sP	18:12:48.544	0.4					T__				m_e	
UBR	78.56		P	18:12:16.490		28.7		5.71		TAS		28.8	0.91	a_e	mb 5.3
WET	76.39		P	18:12:05.040	0.1	28.7		5.71		TAS		107.4	0.92	a_e	mb 6.0
WLF	77.95		P	18:12:14.456	0.3	28.7		5.71		TAS		41.6	0.95	m_e	mb 5.5

Event 80319001 Tonga Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/19 01:30:13.24 -18.0910 -175.4440 33.0 13 143.95 150.14 m i ke BGR
 80319007

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.68		PKPbc	01:49:59.328		12.0		2.79		TAS					m_e
BRG	146.45		PKPbc	01:49:50.698		12.0		2.79		TAS					m_e
BSEG	143.95		PKPbc	01:49:43.467	-0.8	12.0		2.79		TAS					m_e
CLL	146.19		PKPbc	01:49:49.991	-0.6	12.0		2.79		TAS					m_e
CLZ	146.01		PKPbc	01:49:48.578	0.8	12.0		2.79		TAS					m_e
FLT1	145.43		PKPbc	01:49:47.569	0.5	12.0		2.79		TAS					m_e
GEC2	148.44		PKPbc	01:49:56.027		12.0		2.79		TAS					m_e
MANZ	147.61		PKPbc	01:49:54.079		12.0		2.79		TAS					m_e
PLN	147.11		PKPbc	01:49:52.831		12.0		2.79		TAS					m_e
ROTZ	147.81		PKPbc	01:49:54.634		12.0		2.79		TAS					m_e
TANN	147.14		PKPbc	01:49:52.969		12.0		2.79		TAS					m_e
UBR	150.14		PKPbc	01:50:00.287		12.0		2.79		TAS					m_e
WLF	148.48		PKPbc	01:49:57.410		12.0		2.79		TAS					m_e

Event 80319002 Vanuatu Islands
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/19 02:36:37.00 -15.5500 167.7600 134.0 140.97 140.97 m i ke EMSC
 80319034

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.97		PKP	02:55:44.306		37.5		2.62		TAS					m_e
GRA1	140.97		pPKP	02:57:38.827						T__					m_e

Event 80319003 Southern Iran
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/19 04:30:47.80 29.6100 50.7100 10.0 35.88 35.88 m i ke EMSC
 80319035

Magnitude Err Nsta Author OrigID
 mb 4.4 BGR 80319009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	35.88		P	04:37:45.662		109.1		9.69		TAS		6.7	1.17	m_e	mb 4.4

Event 80319007 Northern and central Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/19	19:32:25.48			30.8130	50.5950				33.0					34.96	34.96	m i ke	BGR
OrigID 80319013																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.6			BGR	80319013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	34.96		P	19:39:14.343		111.8		9.41		TAS		7.6	0.95	m_e	mb 4.6

Event 80320001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/20	06:58:40.10			-18.5900	-177.8500				500.0				19	144.16	150.26	m i ke	BGR
OrigID 80320007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.91		PKPbc	07:17:33.140		14.4		2.80		TAS				m_e	
BRG	146.45		PKPbc	07:17:24.258		14.4		2.80		TAS				m_e	
BSEG	144.16		PKPbc	07:17:17.023	0.1	14.4		2.80		TAS				m_e	
CLL	146.24		PKPbc	07:17:23.527	-0.5	14.4		2.80		TAS				m_e	
CLZ	146.19		PKPbc	07:17:23.583	0.1	14.4		2.80		TAS				m_e	
FLT1	145.58		PKPbc	07:17:21.164	-0.3	14.4		2.80		TAS				m_e	
GEC2	148.40		PKPbc	07:17:29.601		14.4		2.80		TAS				m_e	
GRA1	148.13		PKPbc	07:17:28.594		14.4		2.80		TAS				m_e	
GTTG	146.54		PKPbc	07:17:24.539	0.3	14.4		2.80		TAS				m_e	
KAST	147.08		PKPbc	07:17:25.838	0.1	14.4		2.80		TAS				m_e	
MOX	147.14		PKPbc	07:17:26.058		14.4		2.80		TAS				m_e	
NEUB	146.58		PKPbc	07:17:24.089	-0.1	14.4		2.80		TAS				m_e	
NRDL	145.60		PKPbc	07:17:21.637	0.1	14.4		2.80		TAS				m_e	
PLN	147.19		PKPbc	07:17:26.452		14.4		2.80		TAS				m_e	
RETH	145.46		PKPbc	07:17:21.201	0.4	14.4		2.80		TAS				m_e	
ROTZ	147.87		PKPbc	07:17:27.532		14.4		2.80		TAS				m_e	
TANN	147.20		PKPbc	07:17:26.227		14.4		2.80		TAS				m_e	
TNS	148.04		PKPbc	07:17:28.703		14.4		2.80		TAS				m_e	

UBR 150.26 PKPbc 07:17:33.831 14.4 2.80 TAS m_e

Event 80320002 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/20	09:22:59.33			23.6000	121.5760				14.7					84.52	84.52	m i ke	BGR
OrigID 80320008																	

Magnitude Err Nsta Author OrigID
mb 5.3 BGR 80320008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.52		P	09:35:28.345		65.8		4.87		TAS		19.9	1.03	m_e mb	5.3
GRA1	84.52		pP	09:35:32.608						T__				m_e	

Event 80321003 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/21	20:41:19.50			27.5000	56.7900				10.0				18	39.34	44.02	m i ke	EMSC
OrigID 80321035																	

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 80321009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	39.83		P	20:48:50.778	-0.5	105.4		8.48		TAS		6.2	1.10	m_e mb	4.2
BSEG	42.93		P	20:49:16.623		105.4		8.48		TAS		13.0	1.03	m_e mb	4.6
BUG	44.02		P	20:49:25.930		105.4		8.48		TAS		22.1	1.16	m_e mb	4.8
CLL	40.53		P	20:48:57.496	0.4	105.4		8.48		TAS		11.0	1.18	m_e mb	4.5
CLZ	42.26		P	20:49:12.668		105.4		8.48		TAS		23.0	1.18	m_e mb	4.8
FLT1	41.90		P	20:49:08.247	-0.1	105.4		8.48		TAS		33.0	1.33	m_e mb	4.9
GEC2	39.34		P	20:48:46.376	-0.7	105.4		8.48		TAS		6.9	1.06	m_e mb	4.2
GRA1	41.14		P	20:49:02.450	0.9	105.4		8.48		TAS		17.1	1.04	m_e mb	4.7
GTTG	42.42		P	20:49:13.709		105.4		8.48		TAS		19.7	1.27	m_e mb	4.7
IBBN	43.94		P	20:49:26.114		105.4		8.48		TAS		20.5	1.19	m_e mb	4.7
KAST	43.26		P	20:49:20.287		105.4		8.48		TAS		6.9	1.01	m_e mb	4.3
MANZ	40.67		P	20:48:59.009	-0.0	105.4		8.48		TAS		1.7	1.28	m_e mb	3.6
NEUB	41.23		P	20:49:03.128	0.1	105.4		8.48		TAS		13.3	0.98	m_e mb	4.6
NRDL	42.60		P	20:49:14.762		105.4		8.48		TAS		14.8	1.03	m_e mb	4.7
ROTZ	40.55		P	20:48:57.777	0.6	105.4		8.48		TAS		10.0	1.66	m_e mb	4.3
TNS	43.01		P	20:49:18.252		105.4		8.48		TAS		8.9	1.01	m_e mb	4.4
UBR	41.38		P	20:49:03.826	-0.3	105.4		8.48		TAS		21.4	0.94	m_e mb	4.9
WET	39.95		P	20:48:51.960	-0.3	105.4		8.48		TAS		34.5	1.82	m_e mb	4.7

Event 80322001 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/22	00:08:02.80			-4.6400	102.7700				61.0					94.51	94.51	m i ke	NEIC
OrigID 80322040																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80322007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	94.51		P	00:21:16.624		115.5		3.21		TAS		6.5	0.84	m_e mb	5.1

Event 80322002 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/22	07:26:24.10			-30.2500	-177.6300				10.0				24	156.95	161.38	m i ke	EMSC
OrigID 80322034																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	80322008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	159.43		PKPab	07:46:59.386		22.3		4.40		TAS				a_e	
ASSE	157.30		PKPab	07:46:49.936	0.1	22.3		4.40		TAS				a_e	
BFO	161.38		PKPab	07:47:07.636		22.3		4.40		TAS				a_e	
BRG	157.65		PKPab	07:46:51.686	0.2	22.3		4.40		TAS				a_e	
CLL	157.52		PKPab	07:46:50.686	0.2	22.3		4.40		TAS				a_e	
CLZ	157.63		PKPab	07:46:51.636	-0.1	22.3		4.40		TAS				a_e	
FLT1	156.99		PKPab	07:46:48.186	0.3	22.3		4.40		TAS				a_e	
FUR	160.85		PKPab	07:47:05.936		22.3		4.40		TAS				a_e	
GEC2	159.52		PKPab	07:46:59.836		22.3		4.40		TAS				m_e	
GRA1	159.46		PKPab	07:46:59.324		22.3		4.40		TAS				m_e	
GRA1	159.46		L	08:56:19.266						T_		282.4	22.00	a_e Ms	5.1
GTTG	157.99		PKPab	07:46:53.036	0.1	22.3		4.40		TAS				a_e	
IBBN	157.61		PKPab	07:46:51.436	0.1	22.3		4.40		TAS				a_e	
KAST	158.59		PKPab	07:46:55.770	-0.1	22.3		4.40		TAS				m_e	
MANZ	158.96		PKPab	07:46:57.436	-0.2	22.3		4.40		TAS				a_e	
MOX	158.48		PKPab	07:46:55.036	-0.1	22.3		4.40		TAS				a_e	
MOX	158.48		L	09:11:25.040						T_		345.7	19.40	a_e Ms	5.2
NEUB	157.93		PKPab	07:46:52.586	0.1	22.3		4.40		TAS				a_e	
PLN	158.49		PKPab	07:46:55.386	0.2	22.3		4.40		TAS				a_e	
RETH	156.95		PKPab	07:46:48.486	-0.1	22.3		4.40		TAS				a_e	

ROTZ	159.14	PKPab	07:46:58.536	-0.0	22.3	4.40	TAS	a_e
TANN	158.48	PKPab	07:46:55.436	0.4	22.3	4.40	TAS	a_e
TNS	159.53	PKPab	07:46:59.636		22.3	4.40	TAS	a_e
UBBA	158.67	PKPab	07:46:55.970	-0.5	22.3	4.40	TAS	m_e
WET	159.51	PKPab	07:47:00.236	-0.2	22.3	4.40	TAS	a_e
WLF	160.40	PKPab	07:47:03.986		22.3	4.40	TAS	a_e

Event 80322005 Eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/22	21:32:25.78			39.9320	141.9560				33.0			30		76.12	82.99	m i ke	BGR
OrigID																	
80322011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80322011
Ms	4.5		BGR	80322011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	81.60	P		21:44:38.662	0.2	36.1		5.36		TAS		22.8	0.93	a_e mb	5.3
ASSE	79.01	P		21:44:24.762	-0.2	36.1		5.36		TAS		15.3	0.99	a_e mb	5.0
BFO	82.99	P		21:44:45.845		36.1		5.36		TAS		74.6	1.30	m_e mb	5.8
BRG	78.78	P		21:44:23.512	-0.1	36.1		5.36		TAS		17.8	0.84	a_e mb	5.1
BSEG	77.67	P		21:44:17.812	0.3	36.1		5.36		TAS		47.6	0.97	a_e mb	5.6
BUG	80.78	P		21:44:33.962	0.0	36.1		5.36		TAS		19.6	0.90	a_e mb	5.1
CLL	78.80	P		21:44:23.312	0.2	36.1		5.36		TAS		42.8	0.90	a_e mb	5.5
CLZ	79.35	P		21:44:26.962	-0.0	36.1		5.36		TAS		44.0	1.02	a_e mb	5.4
FLT1	78.64	P		21:44:22.312	-0.4	36.1		5.36		TAS		41.2	0.83	a_e mb	5.5
FUR	81.99	P		21:44:40.812	-0.2	36.1		5.36		TAS		38.8	0.93	a_e mb	5.5
GEC2	80.48	P		21:44:32.462	0.1	36.1		5.36		TAS		9.8	0.75	a_e mb	4.8
GRA1	80.78	P		21:44:34.712	-0.0	36.1		5.36		TAS		55.9	1.01	a_e mb	5.5
GRA1	80.78	L		22:24:03.319						T__		209.7	18.20	a_e Ms	4.5
GTTG	79.74	P		21:44:28.812	0.0	36.1		5.36		TAS		34.8	0.94	a_e mb	5.3
IBBN	79.89	P		21:44:29.512	-0.3	36.1		5.36		TAS		28.9	0.72	a_e mb	5.3
KAST	80.58	P		21:44:33.212	-0.3	36.1		5.36		TAS		11.6	0.95	a_e mb	4.9
MANZ	80.20	P		21:44:31.341	0.3	36.1		5.36		TAS		2.8	0.77	m_e mb	4.3
MOX	79.86	P		21:44:29.362	0.1	36.1		5.36		TAS		32.3	1.24	a_e mb	5.1
MOX	79.86	L		22:23:35.038						T__		159.4	18.00	a_e Ms	4.4
NEUB	79.36	P		21:44:26.512	0.1	36.1		5.36		TAS		49.5	1.04	a_e mb	5.5
NRDL	78.92	P		21:44:24.123	-0.0	36.1		5.36		TAS		15.6	0.88	m_e mb	5.0
PLN	79.78	P		21:44:28.962	0.1	36.1		5.36		TAS		11.1	1.01	m_e mb	4.7
RETH	78.98	P		21:44:24.762	0.3	36.1		5.36		TAS		20.7	0.89	a_e mb	5.2
RGN	76.12	P		21:44:09.212	-0.1	36.1		5.36		TAS				a_e	
ROTZ	80.34	P		21:44:32.262	0.3	36.1		5.36		TAS		3.5	0.83	a_e mb	4.3
RUE	77.58	P		21:44:17.162	0.0	36.1		5.36		TAS		70.2	1.20	a_e mb	5.7
STU	82.30	P		21:44:42.659	-0.3	36.1		5.36		TAS		112.4	1.33	m_e mb	5.8
TANN	79.72	P		21:44:28.612	0.0	36.1		5.36		TAS		10.2	1.01	a_e mb	4.7

TNS	81.38	P	21:44:37.462	0.0	36.1	5.36	TAS	10.9	0.75	a_e mb	5.0
UBBA	80.32	P	21:44:31.562	-0.2	36.1	5.36	TAS	6.3	0.79	a_e mb	4.6
UBR	82.84	P	21:44:45.206		36.1	5.36	TAS			m_e	
WET	80.57	P	21:44:33.462	0.4	36.1	5.36	TAS	13.9	0.95	a_e mb	5.0

Event 80322006 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/22	23:40:24.50	2.80	1.20	39.2400	15.4800	76.7	64.5	104	268.0			9	347	7.30	12.06	m i ke	INGV

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	10.45		Pn	23:42:48.035	-1.3					T__				m_e	
DAVA	9.02		Pn	23:42:31.868	1.0					T__				m_e	
FUR	9.42		Pn	23:42:36.214						T__				m_e	
GEC2	9.69		Pn	23:42:39.294	-2.0					T__				m_e	
MOA	8.65		Pn	23:42:26.862	-0.5					T__				m_e	
MOX	11.73		Pn	23:43:08.377	-0.2					T__				m_e	
OBER	8.99		Pn	23:42:31.578						T__				m_e	
OBKA	7.30		Pn	23:42:09.991	0.7					T__				m_e	
ROTZ	10.78		Pn	23:42:57.612	1.6					T__				m_e	
TNS	12.06		Pn	23:43:11.213	-0.7					T__				m_e	
UBR	9.29		Pn	23:42:34.645						T__				m_e	
WET	10.08		Pn	23:42:44.035						T__				m_e	
WTTA	8.49		Pn	23:42:26.641	1.5					T__				m_e	

Event 80323003 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/23	07:40:26.21			12.1740	-44.4270				12.0	0.6		26		55.76	61.26	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb	5.1		BGR	80323009
Ms	5.2		BGR	80323009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	56.65		P	07:50:10.254	0.2	250.6		6.96		TAS		20.4	0.99	m_e mb	5.1
ASSE	59.35		P	07:50:27.807	-0.1	250.6		6.96		TAS		8.4	1.02	m_e mb	4.7
BFO	56.57		P	07:50:09.422	-0.1	250.6		6.96		TAS		24.3	0.86	m_e mb	5.3
BRG	60.86		P	07:50:39.181		250.6		6.96		TAS		7.0	0.89	m_e mb	4.5

BSEG	59.82	P	07:50:32.022	250.6	6.96	TAS	49.7	1.00	m_e	mb	5.5
BSEG	59.82	pP	07:50:35.177			T__			m_e		
BUG	57.13	P	07:50:12.287	-0.9 250.6	6.96	TAS	18.4	0.79	m_e	mb	5.2
CLL	60.43	P	07:50:36.286	250.6	6.96	TAS	25.8	0.96	m_e	mb	5.2
FLT1	59.74	P	07:50:31.379	0.1 250.6	6.96	TAS	25.9	1.06	m_e	mb	5.2
FUR	58.36	P	07:50:22.465	-0.2 250.6	6.96	TAS	51.8	1.04	m_e	mb	5.5
GEC2	60.11	P	07:50:33.852	250.6	6.96	TAS	8.8	0.90	m_e	mb	4.8
GTTG	58.72	P	07:50:24.801	0.0 250.6	6.96	TAS	50.1	1.21	m_e	mb	5.4
IBBN	57.76	P	07:50:17.989	0.5 250.6	6.96	TAS	38.7	0.85	m_e	mb	5.5
MANZ	59.46	P	07:50:29.633	0.4 250.6	6.96	TAS	1.8	1.02	m_e	mb	4.0
MOX	59.38	P	07:50:29.246	-0.1 250.6	6.96	TAS	26.0	1.01	m_e	mb	5.2
MOX	59.38	pP	07:50:32.551			T__			m_e		
MOX	59.38	L	08:10:47.252			T__	1941.1	22.00	a_e	Ms	5.2
NEUB	59.66	P	07:50:30.927	-0.1 250.6	6.96	TAS	21.8	0.90	m_e	mb	5.2
NRDL	59.16	P	07:50:27.708	-0.1 250.6	6.96	TAS	39.5	1.02	m_e	mb	5.4
RJOB	59.21	P	07:50:27.765	-0.1 250.6	6.96	TAS	18.3	0.97	m_e	mb	5.1
ROTZ	59.45	P	07:50:29.439	0.3 250.6	6.96	TAS	6.3	1.24	m_e	mb	4.5
ROTZ	59.45	pP	07:50:32.896			T__			m_e		
RUE	61.26	P	07:50:42.157	250.6	6.96	TAS	48.3	1.00	m_e	mb	5.3
STU	57.26	P	07:50:13.974	-0.4 250.6	6.96	TAS	65.4	0.89	m_e	mb	5.7
TANN	59.82	P	07:50:32.444	250.6	6.96	TAS	27.0	1.14	m_e	mb	5.2
TANN	59.82	pP	07:50:35.857			T__			m_e		
TNS	57.34	P	07:50:15.105	0.2 250.6	6.96	TAS	18.9	0.90	m_e	mb	5.1
UBBA	58.48	P	07:50:22.643	0.4 250.6	6.96	TAS	6.4	0.84	m_e	mb	4.7
UBR	57.46	P	07:50:16.318	0.6 250.6	6.96	TAS	31.3	1.02	m_e	mb	5.3
WET	59.68	P	07:50:31.038	-0.2 250.6	6.96	TAS	8.0	0.93	m_e	mb	4.7
WLF	55.76	P	07:50:03.576	-0.3 250.6	6.96	TAS	29.2	0.89	m_e	mb	5.3

Event 80323008 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/23	19:02:48.67			43.5100	139.8910				201.9	6.8		18		73.79	79.12	m i ke	BGR
80323014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80323014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	75.13	P		19:14:06.143	0.1	35.6		5.60		TAS		3.1	0.80	m_e	mb	4.4
BFO	79.12	P		19:14:28.468		35.6		5.60		TAS		4.0	0.77	m_e	mb	4.5
BRG	74.92	P		19:14:04.886	0.3	35.6		5.60		TAS		4.1	0.81	m_e	mb	4.5
BSEG	73.79	P		19:13:58.733	-0.2	35.6		5.60		TAS		11.2	0.82	m_e	mb	4.9
CLL	74.94	P		19:14:04.801	0.2	35.6		5.60		TAS		11.0	0.81	m_e	mb	4.9
CLL	74.94	pP		19:14:51.619						T__				m_e		
CLZ	75.47	P		19:14:08.437	-0.2	35.6		5.60		TAS		8.9	0.68	m_e	mb	4.9
FLT1	74.77	P		19:14:03.692	-0.1	35.6		5.60		TAS		12.0	0.85	m_e	mb	4.9

GEC2	76.63	P	19:14:14.482	35.6	5.60	TAS	2.3	0.71	m_e	mb	4.4
GEC2	76.63	pP	19:15:04.271			T__				m_e	
GRA1	76.91	P	19:14:16.856	35.6	5.60	TAS	11.3	0.77	m_e	mb	5.1
GRA1	76.91	PP	19:17:11.814			T__				m_e	
GTTG	75.86	P	19:14:10.564	0.1 35.6	5.60	TAS	7.7	0.86	m_e	mb	4.9
IBBN	76.01	P	19:14:11.089	-0.1 35.6	5.60	TAS	11.9	0.93	m_e	mb	5.0
KAST	76.70	P	19:14:15.123	35.6	5.60	TAS	4.7	0.77	m_e	mb	4.7
MANZ	76.34	P	19:14:13.157	35.6	5.60	TAS	1.0	0.89	m_e	mb	3.9
MOX	75.99	P	19:14:10.890	-0.7 35.6	5.60	TAS	4.5	0.98	m_e	mb	4.6
NEUB	75.49	P	19:14:08.111	35.6	5.60	TAS	13.1	0.76	m_e	mb	5.0
NRDL	75.04	P	19:14:05.768	-0.2 35.6	5.60	TAS	4.7	0.85	m_e	mb	4.5
NRDL	75.04	PP	19:16:55.769			T__				m_e	
ROTZ	76.48	P	19:14:14.241	35.6	5.60	TAS	1.4	0.95	m_e	mb	4.1
STU	78.43	P	19:14:24.094	35.6	5.60	TAS	23.6	0.86	m_e	mb	5.3
UBBA	76.45	PP	19:17:07.707			T__				m_e	
WET	76.72	P	19:14:15.556	35.6	5.60	TAS	6.1	0.88	m_e	mb	4.7

Event 80323009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/23	19:08:04.30			-17.0800	-178.4200				540.0			16		144.01	148.69	m i ke	BGR
	80323015																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	144.30		PKPbc	19:26:36.790	0.3	15.0		2.86		TAS					m_e
BFO	148.35		PKPbc	19:26:49.110		15.0		2.86		TAS					m_e
BRG	144.86		PKPbc	19:26:39.829	0.5	15.0		2.86		TAS					m_e
CLL	144.66		PKPbc	19:26:39.077	-0.0	15.0		2.86		TAS					m_e
CLZ	144.62		PKPbc	19:26:39.328	0.4	15.0		2.86		TAS					m_e
FLT1	144.01		PKPbc	19:26:36.767	0.3	15.0		2.86		TAS					m_e
GEC2	146.81		PKPbc	19:26:45.413		15.0		2.86		TAS					m_e
GRA1	146.55		PKPbc	19:26:44.862		15.0		2.86		TAS					m_e
IBBN	144.51		PKPbc	19:26:38.757	0.3	15.0		2.86		TAS					m_e
NEUB	145.01		PKPbc	19:26:40.355	-0.4	15.0		2.86		TAS					m_e
NRDL	144.03		PKPbc	19:26:37.121	0.0	15.0		2.86		TAS					m_e
ROTZ	146.28		PKPbc	19:26:44.013		15.0		2.86		TAS					m_e
TANN	145.61		PKPbc	19:26:42.173		15.0		2.86		TAS					m_e
UBR	148.69		PKPbc	19:26:50.094		15.0		2.86		TAS					m_e
WET	146.73		PKPbc	19:26:45.088		15.0		2.86		TAS					m_e
WLF	147.29		PKPbc	19:26:47.094		15.0		2.86		TAS					m_e

Event 80323010 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/23	23:31:55.95	0.59	1.79	40.5660	17.9320	25.6	13.3	53	33.0				27 330	6.43	12.42	m i ke	BGR
80323016																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	80323016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	6.90		Pn	23:33:31.823	-0.7					T__				m_e	
BALST	10.01		Sn	23:35:53.755	-1.7					T__				m_e	
BALST	10.01		Pn	23:34:13.392	-0.9					T__				m_e	
BFO	10.36		Sn	23:36:01.647	-1.9					T__				m_e	
BFO	10.36		Pn	23:34:18.348	-0.6					T__				m_e	
CLZ	12.42		Pn	23:34:53.593	6.9					T__				m_e	
DAVA	8.88		Sn	23:35:30.984	1.9					T__				m_e	
DAVA	8.88		Pn	23:34:00.382	1.3					T__				m_e ML	4.3
FUR	8.96		Pn	23:34:00.075	-0.2					T__				m_e	
GEC2	8.81		Sn	23:35:27.312	-0.1					T__				m_e	
GEC2	8.81		Pn	23:33:57.863	-0.3					T__				m_e ML	4.0
GRA1	10.28		Pn	23:34:16.675	-1.2					T__				m_e	
HROE	11.36		Pn	23:34:31.489	-0.9					T__				m_e	
KBA	7.31		Sn	23:34:51.901	-0.5					T__				m_e	
KBA	7.31		Pn	23:33:37.728	-0.2					T__				m_e ML	4.1
MANZ	10.27		Pn	23:34:16.775	-1.0					T__				m_e	
MILB	11.08		Pn	23:34:29.342	0.7					T__				m_e	
MOA	7.74		Sn	23:35:02.626	0.0					T__				m_e	
MOA	7.74		Pn	23:33:43.942	0.1					T__				m_e ML	4.0
MOX	11.00		Sn	23:36:18.325	-0.2					T__				m_e	
MOX	11.00		Pn	23:34:26.768	-0.9					T__				m_e	
NORI	9.67		Sn	23:35:43.434	-4.1					T__				m_e	
NORI	9.67		Pn	23:34:08.506	-1.2					T__				m_e	
OBER	8.78		Sn	23:35:29.762	3.0					T__				m_e ML	4.1
OBKA	6.43		Sn	23:34:31.785	-0.2					T__				m_e	
OBKA	6.43		Pn	23:33:24.999	-1.1					T__				m_e ML	4.3
PART	8.49		Sn	23:35:23.430	3.4					T__				m_e	
PART	8.49		Pn	23:33:54.775	0.9					T__				m_e ML	4.1
PLONS	8.95		Sn	23:35:30.900	0.1					T__				m_e	
PLONS	8.95		Pn	23:34:01.176	1.1					T__				m_e ML	4.0
ROTZ	10.05		Sn	23:35:54.438	-1.8					T__				m_e	
ROTZ	10.05		Pn	23:34:14.453	-0.3					T__				m_e	
SPAHL	11.54		Pn	23:34:34.368	-0.4					T__				m_e	
SULZ	9.91		Sn	23:35:49.967	-3.3					T__				m_e	
TANN	10.57		Pn	23:34:21.907	0.1					T__				m_e	
TNS	11.72		Pn	23:34:38.578	1.3					T__				m_e	
UBR	9.06		Sn	23:35:35.608	2.2					T__				m_e	
UBR	9.06		Pn	23:34:00.652	-0.9					T__				m_e	
WET	9.29		Sn	23:35:39.849	1.1					T__				m_e	

OrigID
 2018/03/24 10:27:32.13 13.4940 40.5770 33.0 26 41.24 46.86 m i ke BGR
 80324009

Magnitude Err Nsta Author OrigID
 mb 4.8 BGR 80324009
 Ms 4.4 BGR 80324009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	45.88		P	10:35:53.163		136.1		8.06		TAS		20.5	0.84	m_e	mb	5.2
ASSE	45.38		P	10:35:48.107	0.8	136.1		8.06		TAS		8.8	0.94	m_e	mb	4.7
BFO	43.80		P	10:35:35.744	0.8	136.1		8.06		TAS		9.2	0.90	m_e	mb	4.5
BRG	43.09		P	10:35:29.914	-0.2	136.1		8.06		TAS		11.1	0.89	m_e	mb	4.6
BSEG	46.86		P	10:36:00.233		136.1		8.06		TAS		21.2	0.85	m_e	mb	5.3
BUG	46.40		P	10:35:56.507		136.1		8.06		TAS		19.2	1.01	m_e	mb	5.1
CLL	43.80		P	10:35:35.503	-0.1	136.1		8.06		TAS		18.9	1.09	m_e	mb	4.7
CLZ	45.30		P	10:35:47.236	-0.1	136.1		8.06		TAS		4.9	0.88	m_e	mb	4.4
FLT1	45.30		P	10:35:47.255	0.1	136.1		8.06		TAS		11.2	0.92	m_e	mb	4.8
FUR	42.25		P	10:35:22.732		136.1		8.06		TAS		20.5	0.77	m_e	mb	4.9
GEC2	41.65		P	10:35:18.872	0.6	136.1		8.06		TAS		19.6	0.85	m_e	mb	4.9
GRA1	43.37		P	10:35:32.112	0.0	136.1		8.06		TAS		13.3	0.88	m_e	mb	4.7
GRA1	43.37		L	10:55:43.224						T__		565.3	19.90	a_e	Ms	4.5
GTTG	45.26		P	10:35:47.290	-0.5	136.1		8.06		TAS		8.6	0.76	m_e	mb	4.8
IBBN	46.77		P	10:35:59.441		136.1		8.06		TAS		7.1	0.65	m_e	mb	4.9
KAST	45.71		P	10:35:50.608	-0.1	136.1		8.06		TAS		4.4	0.89	m_e	mb	4.5
MANZ	43.19		P	10:35:30.523	0.3	136.1		8.06		TAS		2.8	0.84	m_e	mb	4.0
MOX	43.89		P	10:35:36.249	-0.1	136.1		8.06		TAS		12.2	0.96	m_e	mb	4.6
MOX	43.89		L	10:54:39.217						T__		381.2	19.30	a_e	Ms	4.3
NEUB	44.23		P	10:35:38.892	-0.1	136.1		8.06		TAS		19.9	1.02	m_e	mb	4.8
NRDL	45.89		P	10:35:52.288		136.1		8.06		TAS		9.2	0.88	m_e	mb	4.8
RJOB	41.24		P	10:35:14.717	-0.3	136.1		8.06		TAS		6.8	0.76	m_e	mb	4.5
ROTZ	42.99		P	10:35:28.708	0.3	136.1		8.06		TAS		12.8	1.51	m_e	mb	4.4
RUE	44.39		P	10:35:40.640	-0.3	136.1		8.06		TAS		26.1	1.03	m_e	mb	4.9
TANN	43.36		P	10:35:32.327	-0.1	136.1		8.06		TAS		16.6	1.06	m_e	mb	4.7
TNS	45.02		P	10:35:45.332	-0.2	136.1		8.06		TAS		18.1	0.80	m_e	mb	5.1
UBR	42.48		P	10:35:24.836	-0.4	136.1		8.06		TAS		27.6	0.90	m_e	mb	5.0
WET	42.23		P	10:35:22.618	-0.4	136.1		8.06		TAS		9.0	0.88	m_e	mb	4.5
WLF	45.76		P	10:35:51.247	0.3	136.1		8.06		TAS		137.0	1.64	m_e	mb	5.7

Event 80324004 New Britain, Papua New Guinea, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/24 11:23:32.30 -5.5000 151.4800 40.0 30 121.71 127.18 m i ke EMSC
 80324036

Magnitude Err Nsta Author OrigID

Ms 6.5 BGR 80324010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	126.14		PKPdf	11:42:30.740	0.6	50.7		1.96		TAS				a_e	
ASSE	123.41		PKPdf	11:42:25.290	0.1	50.7		1.96		TAS				a_e	
BFO	127.05		PKPdf	11:42:31.840		50.7		1.96		TAS				a_e	
BRG	122.61		PKPdf	11:42:23.740	-0.3	50.7		1.96		TAS				a_e	
BSEG	122.36		PKPdf	11:42:23.340	0.1	50.7		1.96		TAS				a_e	
BUG	125.43		PKPdf	11:42:29.133	-0.0	50.7		1.96		TAS				m_e	
CLL	122.82		PKPdf	11:42:23.790	-0.1	50.7		1.96		TAS				a_e	
CLZ	123.73		PKPdf	11:42:26.190	0.2	50.7		1.96		TAS				a_e	
FLT1	123.01		PKPdf	11:42:24.190	-0.0	50.7		1.96		TAS				a_e	
FUR	125.65		PKPdf	11:42:29.540	-0.1	50.7		1.96		TAS				a_e	
GEC2	123.95		PKPdf	11:42:26.190	0.2	50.7		1.96		TAS				a_e	
GRA1	124.72		PKPdf	11:42:27.690	-0.0	50.7		1.96		TAS				a_e	
GRA1	124.72		L	12:36:56.349						T__		11029.5	21.70	a_e Ms	6.5
GTTG	124.12		PKPdf	11:42:26.840	-0.1	50.7		1.96		TAS				a_e	
HLG	123.23		PKPdf	11:42:25.140	0.1	50.7		1.96		TAS				a_e	
IBBN	124.60		PKPdf	11:42:27.640	-0.2	50.7		1.96		TAS				a_e	
KAST	125.07		PKPdf	11:42:28.640	0.0	50.7		1.96		TAS				a_e	
MANZ	124.08		PKPdf	11:42:26.690	0.1	50.7		1.96		TAS				m_e	
MOX	123.92		PKPdf	11:42:26.190	-0.0	50.7		1.96		TAS				a_e	
MOX	123.92		L	12:39:35.520						T__		11450.3	20.70	a_e Ms	6.5
NEUB	123.49		PKPdf	11:42:25.469	0.2	50.7		1.96		TAS				m_e	
NRDL	123.42		PKPdf	11:42:25.540	0.1	50.7		1.96		TAS				a_e	
RJOB	125.09		PKPdf	11:42:28.399	0.0	50.7		1.96		TAS				m_e	
ROTZ	124.17		PKPdf	11:42:26.630	-0.1	50.7		1.96		TAS				m_e	
RUE	121.71		PKPdf	11:42:21.990	-0.1	50.7		1.96		TAS				a_e	
STU	126.33		PKPdf	11:42:30.890		50.7		1.96		TAS				a_e	
TANN	123.64		PKPdf	11:42:25.790	-0.0	50.7		1.96		TAS				a_e	
TNS	125.72		PKPdf	11:42:29.840	-0.5	50.7		1.96		TAS				a_e	
UBBA	124.59		PKPdf	11:42:27.666	-0.1	50.7		1.96		TAS				m_e	
UBR	126.56		PKPdf	11:42:31.190		50.7		1.96		TAS				a_e	
WET	124.20		PKPdf	11:42:26.890	0.1	50.7		1.96		TAS				a_e	
WLF	127.18		PKPdf	11:42:33.290		50.7		1.96		TAS				m_e	

Event 80325001 Queensland, Australia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/25	08:57:39.35			-22.1670	139.1720				169.9	4.2		30		128.69	134.11	m i ke	BGR
80325007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	133.26		PKPdf	09:16:35.337		75.4		1.91		TAS				a_e	

ASSE	130.62	PKPdf	09:16:30.087	0.2	75.4	1.91	TAS	a_e
BFO	133.15	PKPdf	09:16:34.437	0.4	75.4	1.91	TAS	a_e
BRG	128.98	PKPdf	09:16:27.087	-0.2	75.4	1.91	TAS	a_e
BSEG	130.27	PKPdf	09:16:29.787	0.2	75.4	1.91	TAS	a_e
BUG	132.85	PKPdf	09:16:34.237	0.2	75.4	1.91	TAS	a_e
CLL	129.45	PKPdf	09:16:27.637	0.1	75.4	1.91	TAS	a_e
CLL	129.45	pPKPdf	09:17:11.200				T__	m_e
CLZ	130.89	PKPdf	09:16:30.887	0.1	75.4	1.91	TAS	a_e
FLT1	130.23	PKPdf	09:16:29.087	0.0	75.4	1.91	TAS	a_e
FUR	131.29	PKPdf	09:16:31.487	-0.0	75.4	1.91	TAS	a_e
GEC2	129.57	PKPdf	09:16:28.187	0.1	75.4	1.91	TAS	a_e
GRA1	130.96	PKPdf	09:16:30.737	0.1	75.4	1.91	TAS	a_e
GTTG	131.22	PKPdf	09:16:31.387	-0.5	75.4	1.91	TAS	a_e
HLG	131.53	PKPdf	09:16:32.137	0.1	75.4	1.91	TAS	a_e
IBBN	132.27	PKPdf	09:16:33.105	0.1	75.4	1.91	TAS	m_e
KAST	132.25	PKPdf	09:16:33.287	0.0	75.4	1.91	TAS	a_e
MANZ	130.33	PKPdf	09:16:29.687	-0.1	75.4	1.91	TAS	m_e
MOX	130.47	PKPdf	09:16:29.687	0.2	75.4	1.91	TAS	a_e
NEUB	130.23	PKPdf	09:16:29.187	0.1	75.4	1.91	TAS	a_e
NRDL	130.84	PKPdf	09:16:30.833	0.0	75.4	1.91	TAS	m_e
NRDL	130.84	pPKPdf	09:17:15.291				T__	m_e
RJOB	130.38	PKPdf	09:16:29.437	-0.1	75.4	1.91	TAS	a_e
ROTZ	130.32	PKPdf	09:16:29.487	-0.2	75.4	1.91	TAS	a_e
ROTZ	130.32	pPKPdf	09:17:15.026				T__	m_e
RUE	128.69	PKPdf	09:16:26.437	0.1	75.4	1.91	TAS	a_e
STU	132.48	PKPdf	09:16:33.637	-0.2	75.4	1.91	TAS	a_e
TANN	130.00	PKPdf	09:16:28.987	0.3	75.4	1.91	TAS	a_e
TNS	132.53	PKPdf	09:16:33.837	-0.5	75.4	1.91	TAS	a_e
UBBA	131.41	PKPdf	09:16:31.137	0.0	75.4	1.91	TAS	m_e
UBR	132.17	PKPdf	09:16:33.087	-0.2	75.4	1.91	TAS	a_e
WET	130.03	PKPdf	09:16:29.237	-0.1	75.4	1.91	TAS	a_e
WLF	134.11	PKPdf	09:16:37.137		75.4	1.91	TAS	m_e

Event 80325002 Queensland, Australia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/25	20:14:04.05			-24.7980	144.0880				170.0			24		133.60	138.19	m i ke	BGR
	80325008																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	138.19		PKPdf	20:33:09.493		73.3		1.88		TAS				m_e	
BFO	138.17		PKPdf	20:33:08.840		73.3		1.88		TAS				m_e	
BRG	133.94		PKPdf	20:33:01.228	-0.2	73.3		1.88		TAS				m_e	
BSEG	135.08		PKPdf	20:33:03.819	-0.2	73.3		1.88		TAS				m_e	

BUG	137.74	PKPdf	20:33:08.419		73.3	1.88	TAS		m_e
CLL	134.40	PKPdf	20:33:01.853	0.1	73.3	1.88	TAS		m_e
CLZ	135.79	PKPdf	20:33:04.550	0.0	73.3	1.88	TAS		m_e
FLT1	135.12	PKPdf	20:33:03.211	-0.2	73.3	1.88	TAS		m_e
FUR	136.33	PKPdf	20:33:05.912	-0.3	73.3	1.88	TAS		m_e
GEC2	134.60	PKPdf	20:33:02.558	0.4	73.3	1.88	TAS		m_e
GTTG	136.13	PKPdf	20:33:05.967	0.3	73.3	1.88	TAS		m_e
IBBN	137.13	PKPdf	20:33:07.386		73.3	1.88	TAS		m_e
KAST	137.16	PKPdf	20:33:06.698		73.3	1.88	TAS		m_e
MANZ	135.31	PKPdf	20:33:03.974	-0.1	73.3	1.88	TAS		m_e
MOX	135.43	PKPdf	20:33:03.761	0.6	73.3	1.88	TAS		m_e
NEUB	135.17	PKPdf	20:33:03.487	0.2	73.3	1.88	TAS		m_e
NRDL	135.72	PKPdf	20:33:04.626	-0.1	73.3	1.88	TAS		m_e
RJOB	135.44	PKPdf	20:33:03.776	0.2	73.3	1.88	TAS		m_e
RUE	133.60	PKPdf	20:33:00.559	0.0	73.3	1.88	TAS		m_e
STU	137.49	PKPdf	20:33:07.937		73.3	1.88	TAS		m_e
TANN	134.98	PKPdf	20:33:03.533	0.2	73.3	1.88	TAS		m_e
TNS	137.48	PKPdf	20:33:08.177		73.3	1.88	TAS		m_e
UBR	137.22	PKPdf	20:33:07.321		73.3	1.88	TAS		m_e
WET	135.05	PKPdf	20:33:03.542	-0.3	73.3	1.88	TAS		m_e

Event 80326004 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/26	09:51:01.40			-5.4600	151.3000			52.3		0.6		34		120.51	127.06	m i ke	EMSC
80326036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.7		BGR	80326010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	126.03		PKPdf	10:09:56.922	0.0	50.9		1.89		TAS					a_e
ASSE	123.29		PKPdf	10:09:51.472	-0.2	50.9		1.89		TAS					a_e
ASSE	123.29		pPKPdf	10:10:07.201						T__					m_e
BFO	126.92		PKPdf	10:09:58.022	-0.3	50.9		1.89		TAS					a_e
BRG	122.49		PKPdf	10:09:49.922	-0.0	50.9		1.89		TAS					a_e
BSEG	122.25		PKPdf	10:09:49.572	-0.4	50.9		1.89		TAS					a_e
BSEG	122.25		pPKPdf	10:10:05.142						T__					m_e
BUG	125.31		PKPdf	10:09:55.272	-0.4	50.9		1.89		TAS					a_e
CLL	122.69		PKPdf	10:09:49.972	-0.4	50.9		1.89		TAS					a_e
CLL	122.69		pPKPdf	10:10:05.564						T__					m_e
CLZ	123.62		PKPdf	10:09:52.372	0.1	50.9		1.89		TAS					a_e
CLZ	123.62		pPKPdf	10:10:08.233						T__					m_e
FLT1	122.89		PKPdf	10:09:50.422	-0.5	50.9		1.89		TAS					a_e
FUR	125.52		PKPdf	10:09:55.777	0.1	50.9		1.89		TAS					m_e
FUR	125.52		pPKPdf	10:10:11.409						T__					m_e

GEC2	123.82	PKPdf	10:09:52.372	0.0	50.9	1.89	TAS										m_e
GRA1	124.59	PKPdf	10:09:53.872	-0.1	50.9	1.89	TAS										a_e
GRA1	124.59	L	11:04:25.352				T__		20375.1	21.40			a_e Ms				6.8
GTTG	124.00	PKPdf	10:09:53.072	0.0	50.9	1.89	TAS										a_e
GTTG	124.00	pPKPdf	10:10:08.659				T__										m_e
HLG	123.11	PKPdf	10:09:51.322	-0.5	50.9	1.89	TAS										a_e
IBBN	124.49	PKPdf	10:09:53.872	-0.3	50.9	1.89	TAS										a_e
IBBN	124.49	pPKPdf	10:10:09.666				T__										m_e
KAST	124.95	PKPdf	10:09:54.822	-0.1	50.9	1.89	TAS										a_e
KAST	124.95	pPKPdf	10:10:10.586				T__										m_e
MANZ	123.96	PKPdf	10:09:52.872	0.2	50.9	1.89	TAS										a_e
MANZ	123.96	pPKPdf	10:10:08.575				T__										m_e
MOX	123.79	PKPdf	10:09:52.372	-0.1	50.9	1.89	TAS										a_e
MOX	123.79	pPKPdf	10:10:08.017				T__										m_e
MOX	123.79	L	11:07:14.197				T__		17678.4	21.10			a_e Ms				6.7
NEUB	123.37	PKPdf	10:09:51.472	-0.2	50.9	1.89	TAS										a_e
NRDL	123.31	PKPdf	10:09:51.722	-0.1	50.9	1.89	TAS										a_e
PLN	123.62	PKPdf	10:09:52.072	-0.0	50.9	1.89	TAS										a_e
RETH	123.48	PKPdf	10:09:52.022	-0.2	50.9	1.89	TAS										a_e
RGN	120.51	PKPdf	10:09:46.172	-0.4	50.9	1.89	TAS										a_e
RJOB	124.96	PKPdf	10:09:54.172	-0.3	50.9	1.89	TAS										a_e
ROTZ	124.04	PKPdf	10:09:52.822	-0.0	50.9	1.89	TAS										a_e
RUE	121.59	PKPdf	10:09:48.122	-0.3	50.9	1.89	TAS										a_e
STU	126.20	PKPdf	10:09:57.072	0.1	50.9	1.89	TAS										a_e
STU	126.20	pPKPdf	10:10:12.780				T__										m_e
TANN	123.51	PKPdf	10:09:51.922	0.0	50.9	1.89	TAS										a_e
TNS	125.60	PKPdf	10:09:56.022	0.0	50.9	1.89	TAS										a_e
UBBA	124.47	PKPdf	10:09:53.822	-0.0	50.9	1.89	TAS										a_e
UBR	126.43	PKPdf	10:09:57.272	-0.0	50.9	1.89	TAS										a_e
WET	124.08	PKPdf	10:09:53.072	0.2	50.9	1.89	TAS										a_e
WLF	127.06	PKPdf	10:09:59.522	0.7	50.9	1.89	TAS										a_e
WLF	127.06	pPKPdf	10:10:15.316				T__										m_e

Event 80326006 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/26	21:39:12.41			-16.0530	-174.8650				178.0			22		141.98	148.20	m i ke	BGR
	80326012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	143.74		PKPbc	21:58:22.091	-0.2	10.5		3.06		TAS					m_e
BFO	147.71		PKPbc	21:58:34.385		10.5		3.06		TAS					m_e
BRG	144.55		PKPbc	21:58:25.154	-1.1	10.5		3.06		TAS					m_e
BSEG	141.98		PKPbc	21:58:16.853	-0.9	10.5		3.06		TAS					m_e

BUG	144.66	PKPbc	21:58:25.263	-0.2	10.5	3.06	TAS	m_e
CLL	144.27	PKPbc	21:58:23.955	-0.0	10.5	3.06	TAS	m_e
CLZ	144.05	PKPbc	21:58:23.655	0.3	10.5	3.06	TAS	m_e
FLT1	143.48	PKPbc	21:58:20.866	0.1	10.5	3.06	TAS	m_e
FUR	147.58	PKPbc	21:58:34.160		10.5	3.06	TAS	m_e
GEC2	146.55	PKPbc	21:58:31.472		10.5	3.06	TAS	m_e
GRA1	146.09	PKPbc	21:58:30.299		10.5	3.06	TAS	m_e
GTTG	144.38	PKPbc	21:58:24.820	0.5	10.5	3.06	TAS	m_e
IBBN	143.77	PKPbc	21:58:22.781	0.0	10.5	3.06	TAS	m_e
KAST	144.84	PKPbc	21:58:26.056	0.6	10.5	3.06	TAS	m_e
MANZ	145.69	PKPbc	21:58:27.337		10.5	3.06	TAS	m_e
MOX	145.10	PKPbc	21:58:26.960	0.3	10.5	3.06	TAS	m_e
NEUB	144.54	PKPbc	21:58:25.002	0.1	10.5	3.06	TAS	m_e
NRDL	143.43	PKPbc	21:58:21.987	0.3	10.5	3.06	TAS	m_e
ROTZ	145.89	PKPbc	21:58:29.676		10.5	3.06	TAS	m_e
TANN	145.22	PKPbc	21:58:27.513	-0.4	10.5	3.06	TAS	m_e
TNS	145.81	PKPbc	21:58:29.120		10.5	3.06	TAS	m_e
UBBA	145.10	PKPbc	21:58:26.689	0.2	10.5	3.06	TAS	m_e
UBR	148.20	PKPbc	21:58:35.591		10.5	3.06	TAS	m_e
WLF	146.47	PKPbc	21:58:31.569		10.5	3.06	TAS	m_e

Event 80327007 Gulf of Alaska

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/27	22:41:13.43			56.5510	-147.1790				10.0			12		70.32	74.74	m i ke	BGR
80327013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	80327013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	71.81	P		22:52:34.261		347.7		5.98		TAS		2.7	0.72	m_e mb	4.5
BUG	70.32	P		22:52:25.369	-0.1	347.7		5.98		TAS		12.3	0.84	m_e mb	5.1
CLL	71.27	P		22:52:30.674		347.7		5.98		TAS		2.9	0.74	m_e mb	4.5
CLZ	70.40	P		22:52:25.636	0.0	347.7		5.98		TAS		8.4	0.82	m_e mb	4.9
GEC2	73.77	P		22:52:45.878		347.7		5.98		TAS		2.2	0.70	m_e mb	4.3
MOX	71.74	P		22:52:34.015		347.7		5.98		TAS		4.9	0.77	m_e mb	4.7
NEUB	71.22	P		22:52:30.496		347.7		5.98		TAS		6.9	0.77	m_e mb	4.9
RJOB	74.74	P		22:52:51.760		347.7		5.98		TAS		4.4	0.77	m_e mb	4.6
ROTZ	72.68	P		22:52:39.521		347.7		5.98		TAS		0.9	0.75	m_e mb	4.0
TANN	72.07	P		22:52:35.849		347.7		5.98		TAS		2.5	0.82	m_e mb	4.4
UBR	74.42	P		22:52:49.682		347.7		5.98		TAS		4.4	0.82	m_e mb	4.5
WET	73.37	P		22:52:43.589		347.7		5.98		TAS		2.7	0.90	m_e mb	4.4

Event 80329001 Norfolk Island, Australia, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/29 18:50:32.29 -28.6600 166.1500 33.0 17 149.19 151.95 m i ke BGR
 80329007

Magnitude Err Nsta Author OrigID
 Ms 5.6 BGR 80329007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	149.51		PKPbc	19:10:18.141	0.1	48.4		2.56		TAS				m_e	
BSEG	149.19		PKPbc	19:10:17.097	-0.1	48.4		2.56		TAS				m_e	
CLL	149.72		PKPbc	19:10:18.597	0.1	48.4		2.56		TAS				m_e	
CLZ	150.63		PKPbc	19:10:20.732	0.2	48.4		2.56		TAS				m_e	
FLT1	149.90		PKPbc	19:10:18.713	-0.6	48.4		2.56		TAS				m_e	
GEC2	150.80		PKPbc	19:10:21.465	-0.5	48.4		2.56		TAS				m_e	
GRA1	151.62		L	20:13:23.873						T__		1146.3	20.00	a_e Ms	5.7
GTTG	151.01		PKPbc	19:10:21.957	0.2	48.4		2.56		TAS				m_e	
HLG	149.98		PKPbc	19:10:19.682		48.4		2.56		TAS				m_e	
IBBN	151.44		PKPbc	19:10:22.893		48.4		2.56		TAS				m_e	
KAST	151.95		PKPbc	19:10:24.046		48.4		2.56		TAS				m_e	
MANZ	150.98		PKPbc	19:10:21.789		48.4		2.56		TAS				m_e	
MOX	150.82		PKPbc	19:10:21.119		48.4		2.56		TAS				m_e	
MOX	150.82		L	20:13:24.952						T__		939.4	18.90	a_e Ms	5.6
NRDL	150.30		PKPbc	19:10:19.818		48.4		2.56		TAS				m_e	
ROTZ	151.06		PKPbc	19:10:21.969		48.4		2.56		TAS				m_e	
TANN	150.54		PKPbc	19:10:20.541		48.4		2.56		TAS				m_e	
UBBA	151.49		PKPbc	19:10:22.942		48.4		2.56		TAS				m_e	
WET	151.08		PKPbc	19:10:22.317		48.4		2.56		TAS				m_e	

Event 80329002 Gulf of Alaska
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/03/29 19:19:32.42 57.5150 -148.5360 27.2 0.8 9 68.97 72.99 m i ke BGR
 80329008

Magnitude Err Nsta Author OrigID
 mb 4.4 BGR 80329008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	71.02		P	19:30:45.406	0.1	348.7		6.03		TAS		3.2	0.91	m_e mb	4.4
BRG	71.02		pP	19:30:52.932	-0.0					T__				m_e	
BUG	69.60		P	19:30:36.710		348.7		6.03		TAS		6.6	0.60	m_e mb	4.9
BUG	69.60		pP	19:30:44.519	-0.0					T__				m_e	
CLL	70.48		P	19:30:41.841		348.7		6.03		TAS		2.7	0.82	m_e mb	4.4

CLL	70.48	pP	19:30:49.650	-0.0						T__					m_e	
CLZ	69.64	P	19:30:36.808	0.1	348.7			6.03		TAS	3.4	0.75	m_e mb		4.6	
CLZ	69.64	pP	19:30:44.498	-0.0						T__					m_e	
GEC2	72.99	P	19:30:57.179		348.7			6.03		TAS	1.7	0.70	m_e mb		4.3	
GEC2	72.99	pP	19:31:04.883	-0.0						T__					m_e	
MOX	70.97	P	19:30:44.992	0.1	348.7			6.03		TAS	2.6	0.71	m_e mb		4.5	
MOX	70.97	pP	19:30:52.786	-0.0						T__					m_e	
NRDL	68.97	P	19:30:32.885	-0.0	348.7			6.03		TAS	3.1	0.80	m_e mb		4.6	
NRDL	68.97	pP	19:30:40.634	-0.0						T__					m_e	
ROTZ	71.91	P	19:30:50.849	-0.1	348.7			6.03		TAS	0.8	0.75	m_e mb		3.9	
ROTZ	71.91	pP	19:30:58.493	-0.0						T__					m_e	
WET	72.60	P	19:30:54.837		348.7			6.03		TAS	1.8	0.76	m_e mb		4.3	
WET	72.60	pP	19:31:02.764	-0.0						T__					m_e	

Event 80329004 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/29	22:54:15.62			37.4300	69.3280				10.0			28		41.00	46.10	m i ke	BGR
80329010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80329010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	45.37		P	23:02:28.647	-0.9	83.8		8.11		TAS		19.5	0.85	m_e mb	5.1
ASSE	42.96		P	23:02:10.132	1.9	83.8		8.11		TAS		21.8	1.30	m_e mb	4.7
BFO	44.90		P	23:02:25.621	-0.1	83.8		8.11		TAS		15.2	0.86	m_e mb	4.9
BRG	41.00		P	23:01:53.940	-0.1	83.8		8.11		TAS		60.0	0.83	m_e mb	5.4
BSEG	43.08		P	23:02:10.212	0.6	83.8		8.11		TAS		29.7	0.83	m_e mb	5.1
BUG	45.13		P	23:02:27.090	-0.3	83.8		8.11		TAS		22.5	1.03	m_e mb	5.0
CLL	41.57		P	23:01:57.903	-0.7	83.8		8.11		TAS		36.5	0.95	m_e mb	5.1
CLZ	43.17		P	23:02:11.341	-0.1	83.8		8.11		TAS		99.6	1.43	m_e mb	5.3
FLT1	42.60		P	23:02:06.039	-0.6	83.8		8.11		TAS		55.8	0.97	m_e mb	5.3
FUR	42.98		P	23:02:10.086	1.0	83.8		8.11		TAS		43.6	0.95	m_e mb	5.2
GEC2	41.30		P	23:01:56.906	0.3	83.8		8.11		TAS		19.3	0.82	m_e mb	4.9
GRA1	42.83		P	23:02:09.713	0.7	83.8		8.11		TAS		39.3	0.85	m_e mb	5.2
GTTG	43.45		P	23:02:13.860	0.1	83.8		8.11		TAS		170.8	1.30	m_e mb	5.6
IBBN	44.73		P	23:02:23.673	-0.2	83.8		8.11		TAS		43.8	1.03	m_e mb	5.3
KAST	44.45		P	23:02:21.497	-0.4	83.8		8.11		TAS		5.8	0.86	m_e mb	4.3
MANZ	42.23		P	23:02:04.569	0.4	83.8		8.11		TAS		5.7	0.99	m_e mb	4.3
MOX	42.49		P	23:02:06.118	-0.1	83.8		8.11		TAS		25.0	0.97	m_e mb	4.9
NEUB	42.35		P	23:02:04.596	-0.3	83.8		8.11		TAS		33.9	0.87	m_e mb	5.1
NRDL	43.28		P	23:02:12.522	0.4	83.8		8.11		TAS		71.3	1.16	m_e mb	5.3
RJOB	42.02		P	23:02:01.433	-2.0	83.8		8.11		TAS				m_e	
ROTZ	42.19		P	23:02:04.307	0.5	83.8		8.11		TAS		4.6	0.98	m_e mb	4.2
RUE	41.04		P	23:01:53.231	-0.7	83.8		8.11		TAS		50.4	1.00	m_e mb	5.2

TANN	41.97	P	23:02:02.102	0.1	83.8	8.11	TAS	16.5	0.93	m_e	mb	4.8
TNS	44.55	P	23:02:22.938	0.0	83.8	8.11	TAS	9.4	0.79	m_e	mb	4.8
UBBA	43.49	P	23:02:13.860	-0.4	83.8	8.11	TAS	8.6	0.75	m_e	mb	4.6
UBR	43.83	P	23:02:16.327	1.0	83.8	8.11	TAS	49.9	1.00	m_e	mb	5.2
WET	41.81	P	23:02:01.052	0.3	83.8	8.11	TAS	24.7	1.12	m_e	mb	4.8
WLF	46.10	P	23:02:35.467	-0.0	83.8	8.11	TAS	42.1	0.92	m_e	mb	5.5

Event 80329003 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
2018/03/29	23:17:32.92			36.8570	141.1540				33.0			26		79.94	85.36	m i ke	BGR
OrigID 80329009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	80329009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	84.04	P		23:29:59.155		38.2		5.18		TAS		17.4	0.87	m_e	mb	5.3
ASSE	81.42	P		23:29:45.304	-0.1	38.2		5.18		TAS		8.6	0.91	m_e	mb	4.8
BFO	85.36	P		23:30:05.572	0.1	38.2		5.18		TAS		32.5	0.87	m_e	mb	5.6
BRG	81.10	P		23:29:43.792	-0.1	38.2		5.18		TAS		24.3	0.96	m_e	mb	5.2
BSEG	80.12	P		23:29:38.522	0.3	38.2		5.18		TAS		39.1	0.95	m_e	mb	5.3
BUG	83.24	P		23:29:54.740	-0.2	38.2		5.18		TAS		15.7	0.75	m_e	mb	5.3
CLL	81.15	P		23:29:43.955	-0.1	38.2		5.18		TAS		42.1	0.82	m_e	mb	5.5
CLZ	81.76	P		23:29:47.101	0.5	38.2		5.18		TAS		29.7	0.90	m_e	mb	5.4
FLT1	81.04	P		23:29:43.097	-0.4	38.2		5.18		TAS		37.6	0.80	m_e	mb	5.5
FUR	84.30	P		23:30:00.240		38.2		5.18		TAS		49.1	0.76	m_e	mb	5.8
GEC2	82.75	P		23:29:52.251	-0.3	38.2		5.18		TAS		9.6	0.71	m_e	mb	5.1
GRA1	83.12	P		23:29:54.253	-0.1	38.2		5.18		TAS		49.0	0.80	m_e	mb	5.8
GTTG	82.15	P		23:29:49.127	0.2	38.2		5.18		TAS		27.2	0.82	m_e	mb	5.4
IBBN	82.36	P		23:29:50.026	0.1	38.2		5.18		TAS		41.5	0.79	m_e	mb	5.6
KAST	83.01	P		23:29:53.640	-0.0	38.2		5.18		TAS		11.5	0.80	m_e	mb	5.2
MANZ	82.53	P		23:29:51.474	0.4	38.2		5.18		TAS		3.8	0.72	m_e	mb	4.7
MOX	82.22	P		23:29:49.513	-0.1	38.2		5.18		TAS		11.0	0.75	m_e	mb	5.1
NEUB	81.72	P		23:29:46.979	-0.1	38.2		5.18		TAS		47.1	0.84	m_e	mb	5.6
NRDL	81.34	P		23:29:44.937	-0.0	38.2		5.18		TAS		14.7	0.80	m_e	mb	5.1
RJOB	83.99	P		23:29:58.492		38.2		5.18		TAS		18.0	0.93	m_e	mb	5.3
ROTZ	82.66	P		23:29:52.332	0.5	38.2		5.18		TAS		3.4	0.71	m_e	mb	4.7
RUE	79.94	P		23:29:37.622	-0.2	38.2		5.18		TAS		51.7	1.09	m_e	mb	5.4
STU	84.66	P		23:30:02.221	0.1	38.2		5.18		TAS		103.1	0.93	m_e	mb	6.0
TANN	82.06	P		23:29:48.696	-0.0	38.2		5.18		TAS		6.1	0.79	m_e	mb	4.8
TNS	83.78	P		23:29:57.686	0.2	38.2		5.18		TAS		8.2	0.73	m_e	mb	5.0
UBBA	82.71	P		23:29:51.842	-0.3	38.2		5.18		TAS		5.9	0.71	m_e	mb	4.9
UBR	85.16	P		23:30:04.398		38.2		5.18		TAS		14.9	1.21	m_e	mb	5.1
WET	82.87	P		23:29:53.053	-0.1	38.2		5.18		TAS		12.9	0.95	m_e	mb	5.1
WLF	85.10	P		23:30:04.915	0.5	38.2		5.18		TAS				m_e		

Event 80330002 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/30	03:46:56.31			-22.9300	-177.9900				33.0			28		148.41	154.47	m i ke	BGR
OrigID 80330008																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	152.16		PKPbc	04:06:48.980	0.0	17.4		2.35		TAS					m_e
ASSE	150.10		PKPbc	04:06:43.568	0.4	17.4		2.35		TAS					m_e
ASSE	150.10		PKPab	04:06:48.831		17.4		2.35		TAS					m_e
BFO	154.16		PKPbc	04:06:53.145		17.4		2.35		TAS					m_e
BFO	154.16		PKPab	04:07:05.929		17.4		2.35		TAS					m_e
BRG	150.60		PKPbc	04:06:44.983	0.1	17.4		2.35		TAS					m_e
BSEG	148.41		PKPbc	04:06:39.616	-0.1	17.4		2.35		TAS					m_e
BUG	151.25		PKPbc	04:06:46.355	-0.1	17.4		2.35		TAS					m_e
CLL	150.42		PKPbc	04:06:44.398	0.2	17.4		2.35		TAS					m_e
CLL	150.42		PKPab	04:06:50.482		17.4		2.35		TAS					m_e
CLZ	150.42		PKPbc	04:06:44.191	0.3	17.4		2.35		TAS					m_e
FLT1	149.80		PKPbc	04:06:42.641	-0.1	17.4		2.35		TAS					m_e
FLT1	149.80		PKPab	04:06:47.549		17.4		2.35		TAS					m_e
FUR	153.76		PKPbc	04:06:52.156		17.4		2.35		TAS					m_e
FUR	153.76		PKPab	04:07:04.976		17.4		2.35		TAS					m_e
GEC2	152.53		PKPbc	04:06:49.492	-0.3	17.4		2.35		TAS					m_e
GRA1	152.32		PKPbc	04:06:48.984	-0.2	17.4		2.35		TAS					m_e
GRA1	152.32		PKPab	04:06:59.133		17.4		2.35		TAS					m_e
GTTG	150.78		PKPbc	04:06:45.082	-0.1	17.4		2.35		TAS					m_e
KAST	151.34		PKPbc	04:06:46.691	-0.0	17.4		2.35		TAS					m_e
MANZ	151.85		PKPbc	04:06:48.070	-0.3	17.4		2.35		TAS					m_e
MOX	151.34		PKPbc	04:06:46.740	0.3	17.4		2.35		TAS					m_e
NEUB	150.78		PKPbc	04:06:44.983	0.0	17.4		2.35		TAS					m_e
NEUB	150.78		PKPab	04:06:52.009		17.4		2.35		TAS					m_e
NRDL	149.84		PKPbc	04:06:42.738		17.4		2.35		TAS					m_e
RJOB	153.78		PKPbc	04:06:52.233		17.4		2.35		TAS					m_e
RJOB	153.78		PKPab	04:07:05.261		17.4		2.35		TAS					m_e
ROTZ	152.04		PKPbc	04:06:48.271	0.1	17.4		2.35		TAS					m_e
RUE	149.15		PKPbc	04:06:41.129	-0.3	17.4		2.35		TAS					m_e
STU	153.59		PKPbc	04:06:51.550		17.4		2.35		TAS					m_e
STU	153.59		PKPab	04:07:03.651		17.4		2.35		TAS					m_e
TANN	151.37		PKPbc	04:06:46.564	0.2	17.4		2.35		TAS					m_e
TNS	152.30		PKPbc	04:06:49.139	0.2	17.4		2.35		TAS					m_e
UBBA	151.47		PKPbc	04:06:46.935	0.3	17.4		2.35		TAS					m_e
UBR	154.47		PKPbc	04:06:53.668		17.4		2.35		TAS					m_e
WET	152.46		PKPbc	04:06:49.228	0.3	17.4		2.35		TAS					m_e

WET	152.46	PKPab	04:06:59.844	17.4	2.35	TAS	m_e
WLF	153.12	PKPbc	04:06:51.254	0.1 17.4	2.35	TAS	m_e

Event 80330003 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/30	04:28:25.05			38.3990	25.0590				33.0					15.02	15.02	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
GRA1	15.02		P	04:32:00.227		139.4		12.44		TAS		3.9	0.75	m_e	

Event 80330004 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/30	18:44:39.26			34.0120	72.5440				244.4	6.5		21		45.17	50.25	m i ke	BGR

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 80330010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	49.55		P	18:53:25.695	0.1	85.4		7.82		TAS		13.3	0.73	m_e mb	5.0
AHRW	49.55		pP	18:54:18.194						T__				m_e	
BFO	49.02		P	18:53:21.228		85.4		7.82		TAS		4.3	0.94	m_e mb	4.5
BFO	49.02		pP	18:54:13.514						T__				m_e	
BRG	45.17		P	18:52:51.289	-0.1	85.4		7.82		TAS		13.7	0.83	m_e mb	4.9
BRG	45.17		pP	18:53:43.288						T__				m_e	
BSEG	47.32		P	18:53:07.945	0.8	85.4		7.82		TAS		24.7	0.77	m_e mb	5.4
BUG	49.33		P	18:53:23.490	-0.3	85.4		7.82		TAS		15.1	0.89	m_e mb	5.0
BUG	49.33		pP	18:54:16.038						T__				m_e	
CLL	45.75		P	18:52:55.260	-0.7	85.4		7.82		TAS		7.8	0.76	m_e mb	4.8
CLL	45.75		pP	18:53:47.464						T__				m_e	
CLZ	47.37		P	18:53:08.283	-0.1	85.4		7.82		TAS				m_e	
CLZ	47.37		pP	18:54:00.414						T__				m_e	
FLT1	46.82		P	18:53:03.382	-0.6	85.4		7.82		TAS		32.0	0.77	m_e mb	5.5
FLT1	46.82		pP	18:53:55.685						T__				m_e	
GEC2	45.42		P	18:52:53.206		85.4		7.82		TAS		3.1	0.78	m_e mb	4.3
GEC2	45.42		pP	18:53:45.741						T__				m_e	
GRA1	46.98		P	18:53:06.410		85.4		7.82		TAS				m_e	
GRA1	46.98		pP	18:53:57.155						T__				m_e	

GTTG	47.64	P	18:53:10.592	-0.0	85.4	7.82	TAS									m_e
GTTG	47.64	pP	18:54:02.864				T__									m_e
IBBN	48.95	P	18:53:20.635	0.1	85.4	7.82	TAS	25.2	0.79	m_e	mb					5.3
IBBN	48.95	pP	18:54:12.547				T__									m_e
KAST	48.64	P	18:53:18.122		85.4	7.82	TAS									m_e
MANZ	46.39	P	18:53:01.588	-0.2	85.4	7.82	TAS	1.5	0.83	m_e	mb					4.1
MANZ	46.39	pP	18:53:52.786				T__									m_e
MOX	46.66	P	18:53:03.041	-0.2	85.4	7.82	TAS	6.5	0.75	m_e	mb					4.8
MOX	46.66	pP	18:53:54.869				T__									m_e
NEUB	46.53	P	18:53:01.992		85.4	7.82	TAS	13.8	0.78	m_e	mb					5.2
NEUB	46.53	pP	18:53:53.525				T__									m_e
NRDL	47.50	P	18:53:09.502	0.3	85.4	7.82	TAS	14.2	0.79	m_e	mb					5.2
NRDL	47.50	pP	18:54:01.462				T__									m_e
RJOB	46.11	P	18:52:58.732		85.4	7.82	TAS	8.5	0.75	m_e	mb					4.9
RJOB	46.11	pP	18:53:50.647				T__									m_e
ROTZ	46.34	P	18:53:01.432	0.1	85.4	7.82	TAS	2.0	1.00	m_e	mb					4.1
ROTZ	46.34	pP	18:53:52.665				T__									m_e
STU	48.39	P	18:53:16.817		85.4	7.82	TAS	17.1	0.71	m_e	mb					5.3
STU	48.39	pP	18:54:08.929				T__									m_e
TANN	46.13	P	18:52:58.815	0.6	85.4	7.82	TAS									m_e
TANN	46.13	pP	18:53:50.029				T__									m_e
TNS	48.71	P	18:53:19.260	0.8	85.4	7.82	TAS	6.6	0.97	m_e	mb					4.6
TNS	48.71	pP	18:54:11.435				T__									m_e
UBBA	47.67	P	18:53:10.696	0.0	85.4	7.82	TAS	5.7	0.62	m_e	mb					4.9
UBBA	47.67	pP	18:54:02.201				T__									m_e
UBR	47.92	P	18:53:12.981		85.4	7.82	TAS	13.5	0.67	m_e	mb					5.2
UBR	47.92	pP	18:54:05.042				T__									m_e
WET	45.94	P	18:52:57.198		85.4	7.82	TAS	1.4	0.91	m_e	mb					4.0
WET	45.94	pP	18:53:50.087				T__									m_e
WLF	50.25	P	18:53:31.531		85.4	7.82	TAS	21.6	0.89	m_e	mb					5.1
WLF	50.25	pP	18:54:23.782				T__									m_e

Event 80330005 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/30	23:23:18.79			-22.5240	-175.9290				33.0			18		148.28	154.44	m i ke	BGR
	80330011																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.01		PKPbc	23:43:05.606	-0.1	14.3		2.35		TAS					m_e
BFO	154.03		PKPbc	23:43:14.971		14.3		2.35		TAS					m_e
BRG	150.67		PKPbc	23:43:07.157	0.1	14.3		2.35		TAS					m_e
BSEG	148.28		PKPbc	23:43:01.350	-0.4	14.3		2.35		TAS					m_e
BUG	151.03		PKPbc	23:43:08.304		14.3		2.35		TAS					m_e

CLL	150.44	PKPbc	23:43:06.530		14.3	2.35	TAS	m_e
CLZ	150.33	PKPbc	23:43:06.317	-0.1	14.3	2.35	TAS	m_e
FLT1	149.74	PKPbc	23:43:04.896	-0.3	14.3	2.35	TAS	m_e
FUR	153.78	PKPbc	23:43:14.504		14.3	2.35	TAS	m_e
GEC2	152.64	PKPbc	23:43:11.786		14.3	2.35	TAS	m_e
GRA1	152.31	PKPbc	23:43:11.319		14.3	2.35	TAS	m_e
GTTG	150.67	PKPbc	23:43:07.138		14.3	2.35	TAS	m_e
IBBN	150.13	PKPbc	23:43:06.182	-0.1	14.3	2.35	TAS	m_e
KAST	151.17	PKPbc	23:43:08.282		14.3	2.35	TAS	m_e
MANZ	151.87	PKPbc	23:43:10.291	0.3	14.3	2.35	TAS	m_e
MOX	151.32	PKPbc	23:43:08.749	0.2	14.3	2.35	TAS	m_e
NRDL	149.72	PKPbc	23:43:04.868	-0.1	14.3	2.35	TAS	m_e
RJOB	153.89	PKPbc	23:43:15.053		14.3	2.35	TAS	m_e
ROTZ	152.06	PKPbc	23:43:10.753	-0.1	14.3	2.35	TAS	m_e
RUE	149.18	PKPbc	23:43:03.355	-0.1	14.3	2.35	TAS	m_e
STU	153.49	PKPbc	23:43:13.781		14.3	2.35	TAS	m_e
TANN	151.40	PKPbc	23:43:08.904	-0.4	14.3	2.35	TAS	m_e
TNS	152.14	PKPbc	23:43:11.062	-0.1	14.3	2.35	TAS	m_e
UBBA	151.38	PKPbc	23:43:08.749	-0.3	14.3	2.35	TAS	m_e
UBR	154.44	PKPbc	23:43:15.995		14.3	2.35	TAS	m_e
WET	152.53	PKPbc	23:43:11.732		14.3	2.35	TAS	m_e
WLF	152.86	PKPbc	23:43:13.080	-0.1	14.3	2.35	TAS	m_e

Event 80331001 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/31	01:18:39.55	0.72	1.05	41.8050	13.8260	12.2	11.1	89	10.0			19	312	4.73	8.09	m i k e	BGR
80331007																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.2		BGR	80331007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	5.58		Sn	01:20:58.372	-1.2					T__				m_e	
ARSA	5.58		Pn	01:20:01.613	0.9					T__				m_e	ML 3.6
BALST	7.05		Pn	01:20:19.292	-1.2					T__				m_e	
BFO	7.59		Pn	01:20:26.349	-1.5					T__				m_e	
DAVA	6.16		Sn	01:21:15.028	1.8					T__				m_e	
DAVA	6.16		Pn	01:20:09.584	1.1					T__				m_e	ML 4.3
GEC2	7.04		Pn	01:20:20.032	-0.3					T__				m_e	
GRA1	8.09		Sn	01:21:57.337	-1.0					T__				m_e	ML 4.3
KBA	5.28		Pn	01:19:57.268	0.6					T__				m_e	ML 4.0
MOA	6.05		Sn	01:21:09.392	-1.2					T__				m_e	
MOA	6.05		Pn	01:20:08.000	1.0					T__				m_e	ML 3.9
OBER	6.14		Pn	01:20:09.851	1.6					T__				m_e	
OBKA	4.73		Pn	01:19:49.701	0.5					T__				m_e	ML 4.2

PART	6.01	Sn	01:21:10.836	1.2	T__	m_e	ML	3.9
PLONS	6.13	Pn	01:20:08.770	0.6	T__	m_e		
RJOB	5.98	Sn	01:21:08.879	0.0	T__	m_e		
RJOB	5.98	Pn	01:20:06.235	0.2	T__	m_e		
SLE	7.06	Sn	01:21:32.151	-2.1	T__	m_e		
SLE	7.06	Pn	01:20:19.454	-1.2	T__	m_e	ML	4.8
SULZ	7.02	Pn	01:20:19.236	-0.9	T__	m_e		
UBR	6.44	Sn	01:21:20.940	1.2	T__	m_e		
UBR	6.44	Pn	01:20:12.412	0.1	T__	m_e	ML	4.3
WET	7.37	Pn	01:20:23.782	-1.0	T__	m_e		
WILA	6.62	Pn	01:20:14.116	-0.5	T__	m_e		
WTTA	5.68	Sn	01:21:02.643	0.8	T__	m_e		
WTTA	5.68	Pn	01:20:02.577	0.6	T__	m_e	ML	4.3

Event 80331002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/03/31	06:32:09.27			-16.8910	-179.8600				33.0			22		142.19	147.94	m i ke	BGR
80331008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	143.87		PKPab	06:51:35.000	-0.3	19.2		4.41		TAS				m_e	
BFO	147.94		PKPab	06:51:53.179	-0.1	19.2		4.41		TAS				m_e	
BRG	144.34		PKPab	06:51:37.269	0.2	19.2		4.41		TAS				m_e	
BSEG	142.19		PKPab	06:51:28.009	-0.0	19.2		4.41		TAS				m_e	
CLL	144.16		PKPab	06:51:36.514	0.3	19.2		4.41		TAS				m_e	
CLZ	144.19		PKPab	06:51:36.809	0.1	19.2		4.41		TAS				m_e	
FLT1	143.57		PKPab	06:51:33.663	-0.3	19.2		4.41		TAS				m_e	
GEC2	146.26		PKPab	06:51:45.702	-0.2	19.2		4.41		TAS				m_e	
GRA1	146.07		PKPab	06:51:45.127	-0.0	19.2		4.41		TAS				m_e	
GTTG	144.55		PKPab	06:51:38.430	0.4	19.2		4.41		TAS				m_e	
IBBN	144.15		PKPab	06:51:36.907	-0.0	19.2		4.41		TAS				m_e	
KAST	145.14		PKPab	06:51:41.061		19.2		4.41		TAS				m_e	
MANZ	145.60		PKPab	06:51:43.082	0.2	19.2		4.41		TAS				m_e	
MOX	145.09		PKPab	06:51:40.821	0.2	19.2		4.41		TAS				m_e	
NEUB	144.54		PKPab	06:51:38.291	-0.1	19.2		4.41		TAS				m_e	
NRDL	143.61		PKPab	06:51:34.030	-0.2	19.2		4.41		TAS				m_e	
RJOB	147.52		PKPab	06:51:51.478		19.2		4.41		TAS				m_e	
ROTZ	145.78		PKPab	06:51:43.943	0.3	19.2		4.41		TAS				m_e	
STU	147.36		PKPab	06:51:50.486	-0.1	19.2		4.41		TAS				m_e	
TANN	145.12		PKPab	06:51:41.036	-0.4	19.2		4.41		TAS				m_e	
TNS	146.08		PKPab	06:51:44.804	0.2	19.2		4.41		TAS				m_e	
WET	146.20		PKPab	06:51:45.629	-0.3	19.2		4.41		TAS				m_e	
WLF	146.95		PKPab	06:51:49.751	0.1	19.2		4.41		TAS				m_e	

