

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

(produced by SZO/BGR - HANNOVER)

September 2018 UPDATED 12.June 2020

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

Event 80901002 Mid-Indian Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/01	06:13:50.86			-26.5130	76.5590				33.0					95.44	95.44	m i ke	BGR
OrigID 80901008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80901008
Ms	4.5		BGR	80901008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	95.44		P	06:27:13.452		125.8		5.65		TAS		10.9	1.10	m_e mb	5.2
GRA1	95.44		L	07:29:40.373						T__		177.0	19.90	a_e Ms	4.5

Event 80901003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/01	12:08:58.16			-19.1580	-177.1120				33.0				22	144.82	150.95	m i ke	BGR
OrigID 80901009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.57		PKPbc	12:28:47.144		15.3		2.70		TAS				a_e	
BRG	147.16		PKPbc	12:28:38.397	0.3	15.3		2.70		TAS				m_e	
BSEG	144.82		PKPbc	12:28:31.167	-0.1	15.3		2.70		TAS				m_e	
CLL	146.94		PKPbc	12:28:37.575	0.4	15.3		2.70		TAS				m_e	
CLZ	146.86		PKPbc	12:28:37.779	0.1	15.3		2.70		TAS				m_e	

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FLT1	146.25	PKPbc	12:28:35.372	0.1	15.3	2.70	TAS	m_e
FUR	150.28	PKPbc	12:28:46.564		15.3	2.70	TAS	m_e
GEC2	149.12	PKPbc	12:28:43.541		15.3	2.70	TAS	m_e
GTTG	147.20	PKPbc	12:28:38.706	0.1	15.3	2.70	TAS	m_e
KAST	147.73	PKPbc	12:28:39.932	0.2	15.3	2.70	TAS	m_e
MANZ	148.37	PKPbc	12:28:41.794		15.3	2.70	TAS	a_e
MOX	147.83	PKPbc	12:28:40.114	-0.1	15.3	2.70	TAS	m_e
NEUB	147.27	PKPbc	12:28:38.581	0.3	15.3	2.70	TAS	m_e
NRDL	146.25	PKPbc	12:28:35.707	0.3	15.3	2.70	TAS	m_e
PLN	147.88	PKPbc	12:28:40.338	-0.1	15.3	2.70	TAS	m_e
RETH	146.11	PKPbc	12:28:35.344	0.4	15.3	2.70	TAS	a_e
RJOB	150.37	PKPbc	12:28:46.455		15.3	2.70	TAS	m_e
ROTZ	148.56	PKPbc	12:28:42.294		15.3	2.70	TAS	m_e
TANN	147.89	PKPbc	12:28:40.556	-0.5	15.3	2.70	TAS	m_e
TNS	148.69	PKPbc	12:28:42.704	-0.5	15.3	2.70	TAS	m_e
UBR	150.95	PKPbc	12:28:47.965		15.3	2.70	TAS	m_e
WLF	149.45	PKPbc	12:28:45.094		15.3	2.70	TAS	a_e

Event 80901004 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/01	14:23:30.28			52.1790	-179.6530				33.0			25		75.18	79.90	m i ke	BGR
80901010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80901010
Ms	4.3		BGR	80901010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.50		P	14:35:20.653	0.2	6.8		5.57		TAS		17.4	0.95	a_e mb	5.2
BFO	79.64		P	14:35:31.871		6.8		5.57		TAS		5.9	1.03	m_e mb	4.5
BRG	76.68		P	14:35:15.753	0.2	6.8		5.57		TAS		4.0	1.08	a_e mb	4.5
BUG	76.59		P	14:35:15.103	-0.2	6.8		5.57		TAS		16.1	1.04	a_e mb	5.1
CLL	76.34		P	14:35:13.738	0.0	6.8		5.57		TAS		6.9	1.11	m_e mb	4.7
CLZ	76.01		P	14:35:12.553	0.1	6.8		5.57		TAS		13.3	0.94	a_e mb	5.0
FLT1	75.46		P	14:35:08.703	-0.1	6.8		5.57		TAS		10.9	1.22	a_e mb	4.8
GEC2	78.71		P	14:35:27.253		6.8		5.57		TAS		8.2	1.32	a_e mb	4.6
GRA1	78.09		P	14:35:24.203		6.8		5.57		TAS		21.3	1.11	a_e mb	5.2
GRA1	78.09		L	15:04:38.528						T__		172.8	21.40	a_e Ms	4.3
GTTG	76.33		P	14:35:14.203	-0.2	6.8		5.57		TAS		11.2	0.90	a_e mb	5.0
IBBN	75.70		P	14:35:10.503	-0.3	6.8		5.57		TAS		28.6	1.21	a_e mb	5.3
KAST	76.77		P	14:35:16.336	0.2	6.8		5.57		TAS		7.8	1.23	m_e mb	4.7
MANZ	77.72		P	14:35:21.719	0.0	6.8		5.57		TAS		1.7	1.21	m_e mb	4.0
MOX	77.11		P	14:35:18.353	-0.1	6.8		5.57		TAS		8.1	1.26	a_e mb	4.7
MOX	77.11		L	15:10:15.817						T__		136.4	21.40	a_e Ms	4.2
NEUB	76.55		P	14:35:15.389	0.0	6.8		5.57		TAS		16.2	1.14	m_e mb	5.0

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NRDL	75.38	P	14:35:08.553	0.2	6.8	5.57	TAS	8.1	1.05	a_e	mb	4.7
PLN	77.22	P	14:35:19.003	0.1	6.8	5.57	TAS	6.0	1.23	a_e	mb	4.6
RETH	75.18	P	14:35:07.753	0.3	6.8	5.57	TAS	23.1	1.61	a_e	mb	5.0
RJOB	79.90	P	14:35:33.830		6.8	5.57	TAS	2.6	0.80	m_e	mb	4.2
ROTZ	77.93	P	14:35:23.103	-0.5	6.8	5.57	TAS	1.5	1.19	a_e	mb	4.0
TANN	77.27	P	14:35:19.403	0.4	6.8	5.57	TAS	14.0	1.51	m_e	mb	4.9
TNS	77.74	P	14:35:21.853	0.1	6.8	5.57	TAS	8.9	0.86	a_e	mb	4.9
UBBA	77.05	P	14:35:17.802	0.0	6.8	5.57	TAS	20.1	1.77	m_e	mb	5.0
WET	78.49	P	14:35:26.153		6.8	5.57	TAS	10.0	1.32	a_e	mb	4.8
WLF	78.41	P	14:35:25.624	-0.0	6.8	5.57	TAS	18.5	1.12	m_e	mb	5.1

Event 80901005 Bonin Islands, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/01	15:43:04.14			28.5000	140.5000				476.3	0.8		31		86.93	92.34	m i ke	BGR
80901011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80901011
MBB	5.8		BGR	80901011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	91.18		P	15:55:17.646	-0.4	42.6		4.66		TAS		20.6	1.05	a_e	mb	5.4
AHRW	91.18		PP	15:59:02.861		43.9		7.61		TAS				m_e		
BFO	92.34		P	15:55:22.646		42.6		4.66		TAS		27.8	0.77	a_e	MBB	6.0
BRG	87.99		P	15:55:02.596	-0.3	42.6		4.66		TAS		19.2	0.75	a_e	MBB	6.0
BRG	87.99		PP	15:58:38.525	-0.4	43.9		7.61		TAS				m_e		
BSEG	87.31		P	15:54:59.496	0.2	42.6		4.66		TAS		22.4	0.82	a_e	mb	5.3
BSEG	87.31		PP	15:58:34.918	-2.5	43.9		7.61		TAS				m_e		
BUG	90.41		P	15:55:13.546	0.1	42.6		4.66		TAS		34.4	1.13	a_e	mb	5.5
CLL	88.10		P	15:55:02.896	-0.0	42.6		4.66		TAS		22.9	0.79	a_e	mb	5.6
CLZ	88.83		P	15:55:06.896	0.0	42.6		4.66		TAS		21.3	0.87	a_e	MBB	5.6
CLZ	88.83		pP	15:56:53.855						T__				m_e		
CLZ	88.83		PP	15:58:42.067		43.9		7.61		TAS				m_e		
FLT1	88.11		P	15:55:02.646	-0.1	42.6		4.66		TAS		27.3	1.00	a_e	MBB	5.7
FUR	91.15		P	15:55:17.646	-0.1	42.6		4.66		TAS		62.2	0.80	a_e	MBB	6.3
GEC2	89.54		P	15:55:09.696	0.1	42.6		4.66		TAS		85.2	1.68	a_e	mb	5.7
GEC2	89.54		pP	15:56:56.750						T__				m_e		
GEC2	89.54		PP	15:58:49.196		43.9		7.61		TAS				m_e		
GOR1	87.60		P	15:55:00.996	-0.1	42.6		4.66		TAS		27.4	1.09	m_e	mb	5.5
GRA1	90.05		P	15:55:12.646	-0.3	42.6		4.66		TAS		94.2	1.37	a_e	MBB	6.0
GRA1	90.05		PP	15:58:53.111		43.9		7.61		TAS				m_e		
GTTG	89.22		P	15:55:08.446	-0.0	42.6		4.66		TAS		18.7	0.87	a_e	mb	5.3
IBBN	89.55		P	15:55:09.846	0.3	42.6		4.66		TAS		103.0	1.11	a_e	MBB	6.1
KAST	90.12		P	15:55:12.546	0.2	42.6		4.66		TAS		13.5	0.84	a_e	mb	5.2
MANZ	89.44		P	15:55:09.646	-0.3	42.6		4.66		TAS		5.4	1.11	a_e	MBB	5.1

MOX	89.18	P	15:55:08.246	0.2	42.6	4.66	TAS	25.5	1.20	a_e	MBB	5.8
NEUB	88.72	P	15:55:05.946	0.0	42.6	4.66	TAS	28.0	0.80	a_e	mb	5.5
NRDL	88.46	P	15:55:04.796	-0.1	42.6	4.66	TAS	16.7	1.03	a_e	mb	5.3
NRDL	88.46	PP	15:58:38.917	0.8	43.9	7.61	TAS				m_e	
PLN	89.06	P	15:55:07.696	0.1	42.6	4.66	TAS	22.3	1.22	a_e	MBB	5.8
PLN	89.06	pP	15:56:54.926				T__				m_e	
PLN	89.06	PP	15:58:45.274		43.9	7.61	TAS				m_e	
RETH	88.58	P	15:55:05.296	0.3	42.6	4.66	TAS	38.4	1.29	a_e	MBB	5.9
RJOB	90.75	P	15:55:15.781	0.2	42.6	4.66	TAS	49.1	1.05	m_e	MBB	6.0
ROTZ	89.56	P	15:55:10.346	-0.3	42.6	4.66	TAS	8.3	1.08	a_e	MBB	5.3
RUE	86.93	P	15:54:57.935	0.1	42.6	4.66	TAS	25.0	0.82	m_e	mb	5.4
STU	91.63	P	15:55:19.496	0.4	42.6	4.66	TAS	188.6	1.34	a_e	mb	6.2
TANN	88.98	P	15:55:07.296	0.0	42.6	4.66	TAS	19.7	1.20	m_e	MBB	5.5
TNS	90.85	P	15:55:16.096	0.2	42.6	4.66	TAS	12.6	0.75	a_e	MBB	5.8
TNS	90.85	PP	15:59:00.323		43.9	7.61	TAS				m_e	
UBBA	89.75	P	15:55:10.596	-0.0	42.6	4.66	TAS	39.0	1.69	a_e	mb	5.4
UBR	92.04	P	15:55:21.196	-0.3	42.6	4.66	TAS	19.0	0.93	a_e	MBB	5.9
WET	89.70	P	15:55:10.796	0.3	42.6	4.66	TAS	28.4	1.29	a_e	mb	5.3
WLF	92.23	P	15:55:22.746		42.6	4.66	TAS	83.9	1.32	a_e	MBB	6.1

Event 80902003 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/02	17:56:42.50			-6.9800	155.4400				30.0					127.94	127.94	m i ke	EMSC
OrigID 80902035																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	127.94		PKPdf	18:15:45.924		47.4		0.95		TAS				m_e	

Event 80903002 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/03	00:58:39.80			17.5400	147.5100				10.0					102.72	102.72	m i ke	EMSC
OrigID 80903034																	

Magnitude Err Nsta Author OrigID

Ms 4.5 BGR 80903008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	102.72		PP	01:16:51.163						T__				m_e		
GRA1	102.72		L	02:02:25.193						T__		149.4	19.20	a_e	Ms	4.5

Event 80903007 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/03	19:33:29.60			-19.3500	169.6300				251.0					145.15	145.15	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	145.15		PKPdf	19:52:37.306		37.4		1.48		TAS					m_e

Event 80903006 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/03	19:37:38.26			52.7910	156.0980				33.0				22	69.89	75.79	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80903012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	73.77		P	19:49:07.432	-0.4	21.3		5.90		TAS		12.6	1.01	m_e mb	4.9
BFO	75.59		P	19:49:17.413		21.3		5.90		TAS		8.5	0.82	m_e mb	4.9
BSEG	69.89		P	19:48:44.083	-0.1	21.3		5.90		TAS		10.2	0.96	m_e mb	4.9
BUG	72.88		P	19:49:01.582	-0.2	21.3		5.90		TAS		13.5	0.75	m_e mb	5.2
CLL	71.72		P	19:48:54.553	-0.2	21.3		5.90		TAS		16.2	0.99	m_e mb	5.1
CLZ	71.84		P	19:48:55.917	0.0	21.3		5.90		TAS		16.4	0.99	m_e mb	5.1
FUR	75.06		P	19:49:14.678		21.3		5.90		TAS		23.6	1.01	m_e mb	5.2
GEC2	73.82		P	19:49:07.509		21.3		5.90		TAS		6.2	0.80	m_e mb	4.7
GRA1	73.65		P	19:49:06.879		21.3		5.90		TAS		19.9	0.90	m_e mb	5.1
IBBN	71.96		P	19:48:56.573	0.1	21.3		5.90		TAS		16.6	0.57	m_e mb	5.4
KAST	72.86		P	19:49:01.792	-0.1	21.3		5.90		TAS		9.6	0.91	m_e mb	4.9
MANZ	73.16		P	19:49:03.418		21.3		5.90		TAS		1.3	0.91	m_e mb	4.1
MOX	72.67		P	19:49:00.638	0.1	21.3		5.90		TAS		10.6	1.13	m_e mb	4.9
NRDL	71.29		P	19:48:52.298	-0.1	21.3		5.90		TAS		8.1	0.82	m_e mb	4.9
PLN	72.69		P	19:49:00.533	-0.1	21.3		5.90		TAS		5.9	0.82	m_e mb	4.8
RETH	71.22		P	19:48:52.035	0.2	21.3		5.90		TAS		10.9	1.10	m_e mb	4.9
RJOB	75.08		P	19:49:15.098		21.3		5.90		TAS		6.5	0.81	m_e mb	4.7
ROTZ	73.34		P	19:49:04.834		21.3		5.90		TAS		2.2	1.02	m_e mb	4.2
TANN	72.68		P	19:49:00.480	0.3	21.3		5.90		TAS		5.2	1.01	m_e mb	4.6
UBBA	72.88		P	19:49:01.655	0.5	21.3		5.90		TAS		4.6	0.88	m_e mb	4.6
UBR	75.79		P	19:49:18.664		21.3		5.90		TAS		11.9	1.10	m_e mb	4.9

WET 73.76 P 19:49:07.509 21.3 5.90 TAS 13.2 0.96 m_e mb 4.9

Event 80903008 Southern Xinjiang, China

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2018/09/03 21:52:45.80 39.8940 79.7610 10.0 48.04 48.04 m i ke BGR
80903014

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 80903014
Ms 5.4 BGR 80903014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 48.04 P 22:01:24.067 81.0 6.77 TAS 7.2 0.91 m_e mb 4.8
GRA1 48.04 L 22:21:38.924 T__ 3949.3 18.10 a_e Ms 5.4

Event 80904001 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2018/09/04 00:29:22.50 -19.0150 -176.8040 33.0 18 144.72 150.86 m i ke BGR
80904007

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
BFO 150.46 PKPbc 00:49:11.121 14.7 2.71 TAS m_e
BRG 147.09 PKPbc 00:49:02.436 0.0 14.7 2.71 TAS m_e
BSEG 144.72 PKPbc 00:48:55.176 -0.2 14.7 2.71 TAS m_e
CLL 146.86 PKPbc 00:49:01.690 0.6 14.7 2.71 TAS m_e
CLZ 146.76 PKPbc 00:49:01.840 0.4 14.7 2.71 TAS m_e
FUR 150.19 PKPbc 00:49:10.704 14.7 2.71 TAS m_e
GEC2 149.06 PKPbc 00:49:07.728 14.7 2.71 TAS m_e
KAST 147.62 PKPbc 00:49:04.067 -0.0 14.7 2.71 TAS m_e
MANZ 148.29 PKPbc 00:49:05.829 14.7 2.71 TAS m_e
MOX 147.74 PKPbc 00:49:04.117 -0.5 14.7 2.71 TAS m_e
NRDL 146.15 PKPbc 00:48:59.586 0.2 14.7 2.71 TAS m_e
PLN 147.80 PKPbc 00:49:04.576 14.7 2.71 TAS m_e
RETH 146.00 PKPbc 00:48:59.111 0.0 14.7 2.71 TAS m_e
RJOB 150.30 PKPbc 00:49:10.466 14.7 2.71 TAS m_e
ROTZ 148.48 PKPbc 00:49:06.439 14.7 2.71 TAS m_e
TANN 147.81 PKPbc 00:49:04.607 14.7 2.71 TAS m_e
UBR 150.86 PKPbc 00:49:12.003 14.7 2.71 TAS m_e
WLF 149.33 PKPbc 00:49:09.376 14.7 2.71 TAS m_e

Event 80904002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/04	12:16:28.84			-19.7030	-175.1450				20.3	0.8		21		146.40	151.77	m i ke	BGR
80904008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	80904008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.30		PKPbc	12:36:20.831		11.9		2.61		TAS				m_e	
BRG	148.07		PKPbc	12:36:12.581	0.3	11.9		2.61		TAS				m_e	
BRG	148.07		pPKPbc	12:36:18.906		14.0		2.78		TAS				m_e	
CLL	147.81		PKPbc	12:36:11.795	-0.9	11.9		2.61		TAS				m_e	
CLL	147.81		pPKPbc	12:36:17.863		14.0		2.78		TAS				m_e	
CLZ	147.64		PKPbc	12:36:11.860	0.1	11.9		2.61		TAS				m_e	
CLZ	147.64		pPKPbc	12:36:17.938	-0.3	14.0		2.78		TAS				m_e	
FLT1	147.06		PKPbc	12:36:09.483	0.4	11.9		2.61		TAS				m_e	
FLT1	147.06		pPKPbc	12:36:15.647	0.1	14.0		2.78		TAS				m_e	
GEC2	150.07		PKPbc	12:36:17.827		11.9		2.61		TAS				m_e	
GEC2	150.07		pPKPbc	12:36:23.876		14.0		2.78		TAS				m_e	
GOR1	146.40		PKPbc	12:36:08.207	-0.4	11.9		2.61		TAS				m_e	
GOR1	146.40		pPKPbc	12:36:14.140	0.3	14.0		2.78		TAS				m_e	
GRA1	149.65		L	13:43:38.910						T__		111.2	19.70	a_e Ms	4.7
GTTG	147.97		PKPbc	12:36:12.679	-0.6	11.9		2.61		TAS				m_e	
GTTG	147.97		pPKPbc	12:36:18.586		14.0		2.78		TAS				m_e	
IBBN	147.38		PKPbc	12:36:11.056	-0.0	11.9		2.61		TAS				m_e	
KAST	148.44		PKPbc	12:36:12.778	0.3	11.9		2.61		TAS				m_e	
MANZ	149.24		PKPbc	12:36:15.991		11.9		2.61		TAS				m_e	
MOX	148.66		PKPbc	12:36:13.459	0.6	11.9		2.61		TAS				m_e	
MOX	148.66		L	13:38:18.300						T__		83.9	22.00	a_e Ms	4.5
NEUB	148.10		PKPbc	12:36:12.752	0.3	11.9		2.61		TAS				m_e	
NEUB	148.10		pPKPbc	12:36:18.922		14.0		2.78		TAS				m_e	
NRDL	147.02		PKPbc	12:36:09.616	-0.1	11.9		2.61		TAS				m_e	
NRDL	147.02		pPKPbc	12:36:15.746	0.3	14.0		2.78		TAS				m_e	
PLN	148.74		PKPbc	12:36:14.551	-0.7	11.9		2.61		TAS				m_e	
RETH	146.84		PKPbc	12:36:09.415	0.4	11.9		2.61		TAS				m_e	
RJOB	151.30		PKPbc	12:36:20.357		11.9		2.61		TAS				m_e	
ROTZ	149.43		PKPbc	12:36:16.450		11.9		2.61		TAS				m_e	
ROTZ	149.43		pPKPbc	12:36:22.581		14.0		2.78		TAS				m_e	
TANN	148.76		PKPbc	12:36:14.651	-0.2	11.9		2.61		TAS				m_e	
TNS	149.41		PKPbc	12:36:16.717		11.9		2.61		TAS				m_e	
UBR	151.77		PKPbc	12:36:22.535		11.9		2.61		TAS				m_e	

Event 80904004 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
2018/09/04	20:11:21.89			36.3030	141.2670				56.0	0.9		8		79.07	85.88	m i ke	BGR
OrigID 80904010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	80904010
MBB	6.1		BGR	80904010
Ms	4.9		BGR	80904010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.57		P	20:23:47.778	0.3	37.9		5.17		TAS		74.9	1.08	a_e	MBB 6.1
BFO	85.88		P	20:23:54.028	-0.4	37.9		5.17		TAS		116.3	0.94	a_e	MBB 6.2
BRG	81.62		P	20:23:32.378	-0.1	37.9		5.17		TAS		70.5	0.94	a_e	MBB 6.1
BRG	81.62		pP	20:23:48.384		38.4		5.16		TAS				m_e	
BSEG	80.66		P	20:23:27.328	0.1	37.9		5.17		TAS		136.3	1.09	a_e	MBB 6.1
BUG	83.77		P	20:23:43.028	-0.3	37.9		5.17		TAS		36.4	0.88	a_e	MBB 6.1
CLL	81.67		P	20:23:32.278	-0.4	37.9		5.17		TAS		130.4	0.92	a_e	MBB 6.2
CLL	81.67		pP	20:23:48.208		38.4		5.16		TAS				m_e	
CLZ	82.29		P	20:23:36.078	0.3	37.9		5.17		TAS		115.4	1.06	a_e	MBB 6.1
CLZ	82.29		pP	20:23:51.913		38.4		5.16		TAS				m_e	
FLT1	81.57		P	20:23:31.478	-0.6	37.9		5.17		TAS		98.0	0.86	a_e	MBB 6.2
FUR	84.82		P	20:23:49.078	0.1	37.9		5.17		TAS		132.3	0.85	a_e	MBB 6.4
GEC2	83.27		P	20:23:40.878	-0.1	37.9		5.17		TAS		53.4	0.96	a_e	MBB 6.0
GOR1	81.03		P	20:23:29.528	0.3	37.9		5.17		TAS		171.7	1.27	a_e	MBB 6.2
GRA1	83.64		P	20:23:43.378	0.5	37.9		5.17		TAS		176.2	0.99	a_e	MBB 6.5
GRA1	83.64		S	20:34:45.017						T__				m_e	
GRA1	83.64		L	21:03:47.550						T__		559.7	21.10	a_e	Ms 4.9
GTTG	82.68		P	20:23:37.878	0.1	37.9		5.17		TAS		76.4	0.94	a_e	MBB 6.1
GTTG	82.68		pP	20:23:53.537		38.4		5.16		TAS				m_e	
HLG	81.33		P	20:23:30.728	0.1	37.9		5.17		TAS		181.0	1.06	a_e	MBB 6.2
IBBN	82.89		P	20:23:38.678	-0.1	37.9		5.17		TAS		101.1	0.87	a_e	MBB 6.3
IBBN	82.89		pP	20:23:54.675	0.0	38.4		5.16		TAS				m_e	
KAST	83.54		P	20:23:42.228	0.1	37.9		5.17		TAS		33.0	0.96	a_e	MBB 6.1
KAST	83.54		pP	20:23:57.956		38.4		5.16		TAS				m_e	
MANZ	83.05		P	20:23:39.978	0.1	37.9		5.17		TAS		12.7	0.96	a_e	MBB 5.5
MOX	82.74		P	20:23:38.228	0.1	37.9		5.17		TAS		41.7	0.94	a_e	MBB 6.1
MOX	82.74		S	20:34:33.721						T__				m_e	
MOX	82.74		L	21:03:19.456						T__		555.2	19.10	a_e	Ms 5.0
NEUB	82.25		P	20:23:35.428	-0.2	37.9		5.17		TAS		140.0	0.96	a_e	MBB 6.3
NRDL	81.87		P	20:23:33.528	-0.0	37.9		5.17		TAS		42.7	0.93	a_e	MBB 6.0
PLN	82.65		P	20:23:37.828	0.1	37.9		5.17		TAS		34.8	0.98	m_e	MBB 6.0
RETH	81.96		P	20:23:33.978	0.0	37.9		5.17		TAS		96.0	1.10	a_e	MBB 6.1
RGN	79.07		P	20:23:18.828	-0.2	37.9		5.17		TAS		288.9	1.21	a_e	MBB 6.3
RJOB	84.51		P	20:23:47.728	0.3	37.9		5.17		TAS		79.0	1.03	a_e	MBB 6.2
ROTZ	83.18		P	20:23:40.928	0.4	37.9		5.17		TAS		50.7	1.48	a_e	MBB 5.7

RUE	80.47	P	20:23:26.328	-0.1	37.9	5.17	TAS	172.1	1.21	a_e	MBB	6.1
STU	85.19	P	20:23:50.628	-0.2	37.9	5.17	TAS	336.7	0.91	a_e	MBB	6.7
STU	85.19	pP	20:24:06.623		38.4	5.16	TAS			m_e		
TANN	82.58	P	20:23:37.478	0.1	37.9	5.17	TAS	106.0	1.73	a_e	MBB	6.0
TNS	84.31	P	20:23:46.278	0.0	37.9	5.17	TAS	63.3	1.29	a_e	MBB	5.9
TNS	84.31	pP	20:24:02.092		38.4	5.16	TAS			m_e		
UBBA	83.24	P	20:23:40.578	-0.1	37.9	5.17	TAS	115.1	1.82	a_e	MBB	6.0
UBR	85.69	P	20:23:52.978	-0.5	37.9	5.17	TAS	34.5	1.10	a_e	MBB	5.7
WLF	85.63	P	20:23:53.178	0.2	37.9	5.17	TAS	189.4	1.56	a_e	MBB	6.1

Event 80904005 Baltic States - Belarus - Northwestern Russia regi

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/04	22:58:40.11			54.3160	54.7550				33.0			31		23.86	29.80	m i ke	BGR
OrigID 80904011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80904011
Ms	4.4		BGR	80904011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	28.87		P	23:04:34.522	-0.3	63.7		9.02		TAS		115.5	1.50	m_e	mb 5.5
BFO	29.19		P	23:04:37.581	-0.2	63.7		9.02		TAS		184.5	1.62	m_e	mb 5.7
BRG	24.78		P	23:03:57.660	-0.6	63.7		9.02		TAS		87.7	0.76	m_e	mb 5.6
BSEG	25.72		P	23:04:05.584	1.5	63.7		9.02		TAS		166.5	1.38	m_e	mb 5.5
BUG	28.38		P	23:04:29.624	0.7	63.7		9.02		TAS		116.5	1.46	m_e	mb 5.5
CLL	25.15		P	23:04:00.544	-0.9	63.7		9.02		TAS		95.5	0.65	m_e	mb 5.7
CLZ	26.45		P	23:04:12.313	-0.2	63.7		9.02		TAS		69.1	1.48	m_e	mb 5.1
FLT1	25.77		P	23:04:05.351	-0.9	63.7		9.02		TAS		66.7	1.49	m_e	mb 5.0
FUR	27.55		P	23:04:23.734	0.1	63.7		9.02		TAS		194.8	1.61	m_e	mb 5.7
GEC2	25.81		P	23:04:07.983	0.8	63.7		9.02		TAS		185.3	1.57	m_e	mb 5.5
GOR1	25.49		P	23:04:04.025	0.8	63.7		9.02		TAS		308.0	1.42	m_e	mb 5.8
GRA1	26.86		P	23:04:17.181	0.1	63.7		9.02		TAS		176.6	1.61	m_e	mb 5.5
GRA1	26.86		S	23:09:23.605						T__				m_e	
GRA1	26.86		L	23:14:31.099						T__		1178.4	19.70	a_e	Ms 4.5
GTTG	26.80		P	23:04:15.740	-0.1	63.7		9.02		TAS		124.6	1.56	m_e	mb 5.4
IBBN	27.75		P	23:04:23.417	-0.2	63.7		9.02		TAS		102.2	1.62	m_e	mb 5.4
KAST	27.82		P	23:04:24.800	-0.2	63.7		9.02		TAS		101.7	1.60	m_e	mb 5.4
MANZ	26.22		P	23:04:11.034	-0.2	63.7		9.02		TAS		20.7	1.56	m_e	mb 4.5
MOX	26.22		P	23:04:10.627	-0.5	63.7		9.02		TAS		119.6	1.59	m_e	mb 5.3
MOX	26.22		S	23:09:07.133						T__				m_e	
MOX	26.22		L	23:15:07.118						T__		847.1	19.70	a_e	Ms 4.3
NEUB	25.90		P	23:04:07.270	-0.9	63.7		9.02		TAS		154.4	1.46	m_e	mb 5.4
NRDL	26.35		P	23:04:11.520	0.4	63.7		9.02		TAS		164.7	1.59	m_e	mb 5.4
PLN	25.97		P	23:04:08.563	-0.4	63.7		9.02		TAS		84.8	1.58	m_e	mb 5.1
RETH	26.68		P	23:04:14.332	0.6	63.7		9.02		TAS		112.6	1.61	m_e	mb 5.3

./bull1809.txt Fri Oct 02 12:46:01 2020 10

RGN	23.86	P	23:03:48.186	0.8	63.7	9.02	TAS	357.7	1.46	m_e	mb	5.7
RJOB	26.87	P	23:04:17.697	1.3	63.7	9.02	TAS	16.6	1.14	m_e	mb	4.7
ROTZ	26.26	P	23:04:11.467	-0.1	63.7	9.02	TAS	20.9	1.52	m_e	mb	4.5
RUE	24.26	P	23:03:52.288	-0.8	63.7	9.02	TAS	519.4	1.47	m_e	mb	5.8
STU	28.47	P	23:04:31.101	-0.0	63.7	9.02	TAS	299.5	1.55	m_e	mb	5.9
TANN	25.83	P	23:04:07.414	-0.3	63.7	9.02	TAS	143.3	1.48	m_e	mb	5.4
TNS	28.23	P	23:04:28.855	0.1	63.7	9.02	TAS	183.1	1.60	m_e	mb	5.7
UBBA	27.08	P	23:04:18.021	0.8	63.7	9.02	TAS	73.2	1.52	m_e	mb	5.2
UBR	28.47	P	23:04:31.953	-0.4	63.7	9.02	TAS	123.7	1.67	m_e	mb	5.5
WLF	29.80	P	23:04:42.927		63.7	9.02	TAS	156.4	1.56	m_e	mb	5.6

Event 80905001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/05	01:03:01.24			-19.9940	170.1190				29.8	0.3		12		142.75	145.54	m i ke	BGR
80905007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	143.91		PKPbc	01:22:31.150		37.1		3.10		TAS				m_e	
BRG	143.91		pPKPbc	01:22:40.076						T__				m_e	
BSEG	142.75		PKPbc	01:22:27.660	-0.2	37.1		3.10		TAS				m_e	
CLL	143.95		PKPbc	01:22:31.141		37.1		3.10		TAS				m_e	
CLL	143.95		pPKPbc	01:22:39.962						T__				m_e	
CLZ	144.49		PKPbc	01:22:33.320	0.1	37.1		3.10		TAS				m_e	
FLT1	143.78		PKPbc	01:22:30.546	0.1	37.1		3.10		TAS				m_e	
FLT1	143.78		pPKPbc	01:22:39.554						T__				m_e	
GEC2	145.54		PKPbc	01:22:35.933		37.1		3.10		TAS				m_e	
GTTG	144.87		PKPbc	01:22:34.372	0.0	37.1		3.10		TAS				m_e	
IBBN	144.94		PKPbc	01:22:34.412	0.1	37.1		3.10		TAS				m_e	
MANZ	145.34		PKPbc	01:22:35.523		37.1		3.10		TAS				m_e	
NEUB	144.51		PKPbc	01:22:33.187		37.1		3.10		TAS				m_e	
PLN	144.92		PKPbc	01:22:34.324		37.1		3.10		TAS				m_e	
TANN	144.86		PKPbc	01:22:34.125		37.1		3.10		TAS				m_e	

Event 80905002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/05	01:26:52.17			44.0560	145.8410				33.0			22		75.25	80.72	m i ke	BGR
80905008																	

Magnitude Err Nsta Author OrigID

mb 4.6 BGR 80905008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.19		P	01:38:51.878		31.5		5.53		TAS		7.0	1.09	m_e	mb 4.6
BFO	80.72		P	01:38:59.880		31.5		5.53		TAS		3.2	0.81	m_e	mb 4.4
BRG	76.64		P	01:38:37.609	-0.1	31.5		5.53		TAS		3.2	0.82	m_e	mb 4.5
BSEG	75.25		P	01:38:30.183	-0.4	31.5		5.53		TAS		7.7	0.76	m_e	mb 4.8
BUG	78.34		P	01:38:47.035	-0.5	31.5		5.53		TAS		7.6	0.85	m_e	mb 4.8
CLL	76.60		P	01:38:37.314	0.3	31.5		5.53		TAS		14.0	0.95	m_e	mb 5.1
CLZ	77.02		P	01:38:40.372	0.0	31.5		5.53		TAS		9.2	0.57	m_e	mb 5.1
FLT1	76.33		P	01:38:35.697	-0.3	31.5		5.53		TAS		9.9	0.84	m_e	mb 5.0
GEC2	78.43		P	01:38:47.697		31.5		5.53		TAS		4.4	1.26	m_e	mb 4.4
GRA1	78.58		P	01:38:49.050		31.5		5.53		TAS		18.2	1.13	m_e	mb 5.0
GTTG	77.41		P	01:38:42.312	-0.3	31.5		5.53		TAS		10.1	0.97	m_e	mb 4.9
KAST	78.19		P	01:38:46.462	0.3	31.5		5.53		TAS		5.4	0.92	m_e	mb 4.7
MANZ	78.02		P	01:38:45.433	0.5	31.5		5.53		TAS		0.7	0.63	m_e	mb 3.9
MOX	77.63		P	01:38:43.315	-0.1	31.5		5.53		TAS		10.8	1.39	m_e	mb 4.8
NEUB	77.11		P	01:38:40.285	-0.0	31.5		5.53		TAS		8.8	0.84	m_e	mb 4.9
NRDL	76.55		P	01:38:37.304	0.5	31.5		5.53		TAS		2.5	0.67	m_e	mb 4.5
PLN	77.58		P	01:38:43.107	0.1	31.5		5.53		TAS		5.9	1.34	m_e	mb 4.5
RETH	76.57		P	01:38:37.519	-0.2	31.5		5.53		TAS		9.9	1.14	m_e	mb 4.8
RJOB	79.69		P	01:38:55.023		31.5		5.53		TAS		3.6	0.86	m_e	mb 4.3
ROTZ	78.18		P	01:38:46.605	0.0	31.5		5.53		TAS		1.3	1.09	m_e	mb 4.0
TANN	77.54		P	01:38:42.750	0.2	31.5		5.53		TAS		2.5	1.11	m_e	mb 4.3
UBBA	78.02		P	01:38:45.172	-0.0	31.5		5.53		TAS		2.9	0.49	m_e	mb 4.7

Event 80905005 South of Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/05	16:05:48.51			-24.7550	-173.7800				33.0			30		150.58	156.91	m i ke	BGR
	80905011																

Magnitude Err Nsta Author OrigID
Ms 5.0 BGR 80905011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	154.25		PKPdf	16:25:38.130	-0.3	12.9		1.42		TAS				m_e	
AHRW	154.25		PKPbc	16:25:45.936	0.2	10.7		2.16		TAS				m_e	
AHRW	154.25		PKPab	16:25:58.580	0.0	11.9		4.27		TAS				m_e	
BFO	156.41		PKPdf	16:25:40.469		12.9		1.42		TAS				m_e	
BFO	156.41		PKPbc	16:25:49.669		10.7		2.16		TAS				m_e	
BFO	156.41		PKPab	16:26:07.199		11.9		4.27		TAS				m_e	
BRG	153.25		PKPdf	16:25:36.094	-0.0	12.9		1.42		TAS				m_e	
BRG	153.25		PKPbc	16:25:43.299	-0.4	10.7		2.16		TAS				m_e	
BRG	153.25		PKPab	16:25:53.302	-0.0	11.9		4.27		TAS				m_e	
BSEG	150.70		PKPdf	16:25:32.303	-0.3	12.9		1.42		TAS				m_e	

BSEG	150.70	PKPbc	16:25:37.407	0.2	10.7	2.16	TAS	m_e		
BUG	153.34	PKPdf	16:25:36.326	0.0	12.9	1.42	TAS	m_e		
BUG	153.34	PKPbc	16:25:43.295	-0.0	10.7	2.16	TAS	m_e		
BUG	153.34	PKPab	16:25:54.189	0.1	11.9	4.27	TAS	m_e		
CLL	152.98	PKPdf	16:25:35.632	0.0	12.9	1.42	TAS	m_e		
CLL	152.98	PKPbc	16:25:42.568	0.1	10.7	2.16	TAS	m_e		
CLL	152.98	PKPab	16:25:51.845	-0.2	11.9	4.27	TAS	m_e		
CLZ	152.77	PKPdf	16:25:35.603	0.0	12.9	1.42	TAS	m_e		
CLZ	152.77	PKPbc	16:25:42.327	-0.1	10.7	2.16	TAS	m_e		
CLZ	152.77	PKPab	16:25:51.985	-0.5	11.9	4.27	TAS	m_e		
FLT1	152.20	PKPdf	16:25:34.504	-0.1	12.9	1.42	TAS	m_e		
FLT1	152.20	PKPbc	16:25:40.675	0.1	10.7	2.16	TAS	m_e		
FLT1	152.20	PKPab	16:25:48.863	-0.1	11.9	4.27	TAS	m_e		
FUR	156.30	PKPab	16:26:06.770		11.9	4.27	TAS	m_e		
GEC2	155.25	PKPdf	16:25:38.916	-0.4	12.9	1.42	TAS	m_e		
GEC2	155.25	PKPbc	16:25:47.489	-0.2	10.7	2.16	TAS	m_e		
GEC2	155.25	PKPab	16:26:01.891		11.9	4.27	TAS	m_e		
GOR1	151.54	PKPdf	16:25:33.998	0.0	12.9	1.42	TAS	m_e		
GOR1	151.54	PKPbc	16:25:39.746	-0.1	10.7	2.16	TAS	m_e		
GRA1	154.80	PKPdf	16:25:38.635	0.2	12.9	1.42	TAS	m_e		
GRA1	154.80	PKPab	16:26:00.465	-0.1	11.9	4.27	TAS	m_e		
GRA1	154.80	L	17:37:24.755				T__		212.9	20.90 a_e Ms 4.9
GTTG	153.10	PKPdf	16:25:36.478	-0.2	12.9	1.42	TAS	m_e		
GTTG	153.10	PKPbc	16:25:42.972	0.1	10.7	2.16	TAS	m_e		
GTTG	153.10	PKPab	16:25:53.308	-0.2	11.9	4.27	TAS	m_e		
HLG	150.58	PKPbc	16:25:37.793	-0.3	10.7	2.16	TAS	m_e		
IBBN	152.46	PKPdf	16:25:35.200	0.5	12.9	1.42	TAS	m_e		
IBBN	152.46	PKPbc	16:25:41.843	0.1	10.7	2.16	TAS	m_e		
IBBN	152.46	PKPab	16:25:50.872	-0.1	11.9	4.27	TAS	m_e		
KAST	153.54	PKPdf	16:25:36.515	-0.0	12.9	1.42	TAS	m_e		
KAST	153.54	PKPbc	16:25:43.953	0.1	10.7	2.16	TAS	m_e		
KAST	153.54	PKPab	16:25:54.970	0.1	11.9	4.27	TAS	m_e		
MANZ	154.40	PKPdf	16:25:37.827	0.3	12.9	1.42	TAS	m_e		
MANZ	154.40	PKPbc	16:25:45.876	0.2	10.7	2.16	TAS	m_e		
MANZ	154.40	PKPab	16:25:58.335	-0.1	11.9	4.27	TAS	m_e		
MOX	153.82	PKPdf	16:25:36.952	0.3	12.9	1.42	TAS	m_e		
MOX	153.82	PKPbc	16:25:44.424	0.1	10.7	2.16	TAS	m_e		
MOX	153.82	PKPab	16:25:55.670	-0.1	11.9	4.27	TAS	m_e		
MOX	153.82	L	17:36:16.084				T__		228.6	20.60 a_e Ms 5.0
NEUB	153.26	PKPdf	16:25:36.137	-0.2	12.9	1.42	TAS	m_e		
NEUB	153.26	PKPbc	16:25:43.295	0.0	10.7	2.16	TAS	m_e		
NEUB	153.26	PKPab	16:25:53.322	-0.2	11.9	4.27	TAS	m_e		
NRDL	152.14	PKPdf	16:25:34.640	0.1	12.9	1.42	TAS	m_e		
NRDL	152.14	PKPbc	16:25:40.758	-0.3	10.7	2.16	TAS	m_e		
NRDL	152.14	PKPab	16:25:49.065	0.4	11.9	4.27	TAS	m_e		
PLN	153.90	PKPdf	16:25:37.006	0.1	12.9	1.42	TAS	m_e		
PLN	153.90	PKPbc	16:25:44.747	0.2	10.7	2.16	TAS	m_e		
PLN	153.90	PKPab	16:25:56.158	0.1	11.9	4.27	TAS	m_e		
RETH	151.96	PKPdf	16:25:34.068	-0.1	12.9	1.42	TAS	m_e		

RETH	151.96	PKPbc	16:25:40.472	-0.1	10.7	2.16	TAS	m_e
RETH	151.96	PKPab	16:25:48.272	-0.4	11.9	4.27	TAS	m_e
ROTZ	154.60	PKPdf	16:25:37.719	-0.0	12.9	1.42	TAS	m_e
ROTZ	154.60	PKPbc	16:25:46.279	0.2	10.7	2.16	TAS	m_e
ROTZ	154.60	PKPab	16:25:59.255	0.4	11.9	4.27	TAS	m_e
RUE	151.73	PKPbc	16:25:39.826	-0.0	10.7	2.16	TAS	m_e
STU	155.91	PKPdf	16:25:40.190		12.9	1.42	TAS	m_e
STU	155.91	PKPab	16:26:05.095		11.9	4.27	TAS	m_e
TANN	153.93	PKPdf	16:25:37.144	0.2	12.9	1.42	TAS	m_e
TANN	153.93	PKPbc	16:25:44.908	0.3	10.7	2.16	TAS	m_e
TANN	153.93	PKPab	16:25:56.338	0.4	11.9	4.27	TAS	m_e
TNS	154.52	PKPdf	16:25:38.275	0.2	12.9	1.42	TAS	m_e
TNS	154.52	PKPbc	16:25:46.238	0.2	10.7	2.16	TAS	m_e
TNS	154.52	PKPab	16:25:59.142	0.1	11.9	4.27	TAS	m_e
UBBA	153.82	PKPdf	16:25:36.978	0.1	12.9	1.42	TAS	m_e
UBBA	153.82	PKPbc	16:25:44.513	0.0	10.7	2.16	TAS	m_e
UBBA	153.82	PKPab	16:25:55.783	0.0	11.9	4.27	TAS	m_e
UBR	156.91	PKPdf	16:25:40.922		12.9	1.42	TAS	m_e
UBR	156.91	PKPbc	16:25:50.941		10.7	2.16	TAS	m_e
UBR	156.91	PKPab	16:26:08.890		11.9	4.27	TAS	m_e
WLF	155.13	PKPdf	16:25:39.496	-0.3	12.9	1.42	TAS	m_e
WLF	155.13	PKPbc	16:25:47.941	-0.5	10.7	2.16	TAS	m_e
WLF	155.13	PKPab	16:26:02.628	-0.2	11.9	4.27	TAS	m_e

Event 80905006 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/05	18:07:55.34			42.6400	142.5300				23.3	3.7		30		73.93	80.83	m i ke	BGR
80905012																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	80905012
MBB	6.9		BGR	80905012
Ms	7.2		BGR	80905012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.39		P	18:20:00.320	0.2	34.6		5.57		TAS		2408.5	2.19	m_e	MBB 6.8
AHRW	79.39		pP	18:20:06.972	-0.1					T__				m_e	
BFO	80.83		P	18:20:07.805		34.6		5.57		TAS		841.3	1.55	m_e	MBB 6.8
BFO	80.83		pP	18:20:15.560	0.3					T__				m_e	
BRG	76.67		P	18:19:44.829	-0.2	34.6		5.57		TAS		482.5	1.44	m_e	MBB 7.0
BRG	76.67		pP	18:19:51.476	-0.1					T__				m_e	
BSEG	75.46		P	18:19:38.323	0.1	34.6		5.57		TAS		1035.9	1.46	m_e	MBB 7.0
BSEG	75.46		pP	18:19:44.854	0.1					T__				m_e	
BUG	78.56		P	18:19:55.383	-0.1	34.6		5.57		TAS		425.1	1.06	m_e	MBB 6.8
BUG	78.56		pP	18:20:01.954	-0.4					T__				m_e	

CLL	76.67	P	18:19:44.660	-0.3	34.6	5.57	TAS	1107.8	1.54	m_e	MBB	7.0
CLL	76.67	pP	18:19:51.218	-0.4			T__			m_e		
CLZ	77.17	P	18:19:48.190	0.4	34.6	5.57	TAS	1623.9	1.67	m_e	MBB	7.1
CLZ	77.17	pP	18:19:54.762	0.3			T__			m_e		
FLT1	76.46	P	18:19:43.362	-0.5	34.6	5.57	TAS	1115.5	1.40	m_e	MBB	6.9
FLT1	76.46	pP	18:19:49.994	-0.5			T__			m_e		
FUR	79.89	P	18:20:03.095	0.2	34.6	5.57	TAS	3465.3	2.25	m_e	MBB	6.8
FUR	79.89	pP	18:20:09.767	-0.1			T__			m_e		
GEC2	78.40	P	18:19:54.678	0.1	34.6	5.57	TAS	351.4	1.41	m_e	MBB	6.8
GEC2	78.40	pP	18:20:01.220	-0.1			T__			m_e		
GOR1	75.90	P	18:19:40.926	0.2	34.6	5.57	TAS	1454.2	1.45	m_e	MBB	7.2
GOR1	75.90	pP	18:19:47.647	0.4			T__			m_e		
GRA1	78.65	P	18:19:56.568	0.6	34.6	5.57	TAS	4429.9	2.32	m_e	mb	7.1
GRA1	78.65	pP	18:20:03.060	0.2			T__			m_e		
GRA1	78.65	S	18:29:55.696				T__			m_e		
GRA1	78.65	L	18:57:50.891				T__	94419.3	19.10	a_e	Ms	7.1
GTTG	77.56	P	18:19:50.153	0.2	34.6	5.57	TAS	1013.2	1.60	m_e	MBB	6.9
GTTG	77.56	pP	18:19:56.658	-0.0			T__			m_e		
HLG	76.04	P	18:19:41.583	0.2	34.6	5.57	TAS	1201.6	1.41	m_e	MBB	7.1
HLG	76.04	pP	18:19:48.128	0.1			T__			m_e		
IBBN	77.67	P	18:19:50.417	-0.1	34.6	5.57	TAS	1130.7	1.58	m_e	MBB	7.0
IBBN	77.67	pP	18:19:57.064	-0.2			T__			m_e		
KAST	78.38	P	18:19:54.629	0.1	34.6	5.57	TAS	340.5	1.15	m_e	MBB	6.9
KAST	78.38	pP	18:20:01.132	-0.2			T__			m_e		
MANZ	78.08	P	18:19:53.104	0.3	34.6	5.57	TAS	44.3	1.07	m_e	MBB	6.3
MANZ	78.08	pP	18:19:59.510	-0.1			T__			m_e		
MOX	77.72	P	18:19:50.890	0.0	34.6	5.57	TAS	854.1	1.75	m_e	MBB	7.0
MOX	77.72	pP	18:19:57.504	-0.0			T__			m_e		
MOX	77.72	S	18:29:54.618				T__			m_e		
MOX	77.72	L	18:57:21.424				T__	122113.0	18.90	a_e	Ms	7.2
NEUB	77.21	P	18:19:47.840	-0.2	34.6	5.57	TAS	2967.4	2.15	m_e	MBB	7.1
NEUB	77.21	pP	18:19:54.420	-0.2			T__			m_e		
NRDL	76.72	P	18:19:45.291	0.0	34.6	5.57	TAS	531.0	1.35	m_e	MBB	7.0
NRDL	76.72	pP	18:19:51.884	-0.0			T__			m_e		
PLN	77.65	P	18:19:50.469	0.0	34.6	5.57	TAS	636.4	1.61	m_e	MBB	7.0
PLN	77.65	pP	18:19:57.138	0.0			T__			m_e		
RETH	76.77	P	18:19:45.569	0.0	34.6	5.57	TAS	1062.1	1.48	m_e	MBB	7.0
RETH	76.77	pP	18:19:52.279	0.1			T__			m_e		
RGN	73.93	P	18:19:29.550	-0.2	34.6	5.57	TAS	2854.5	1.61	m_e	MBB	7.1
RGN	73.93	pP	18:19:36.221	0.1			T__			m_e		
ROTZ	78.22	P	18:19:54.056	0.4	34.6	5.57	TAS	99.8	1.18	m_e	MBB	6.3
ROTZ	78.22	pP	18:20:00.601	0.2			T__			m_e		
RUE	75.44	P	18:19:38.083	-0.1	34.6	5.57	TAS	1603.3	1.43	m_e	MBB	7.1
RUE	75.44	pP	18:19:44.661	0.0			T__			m_e		
STU	80.15	P	18:20:04.171	-0.2	34.6	5.57	TAS	5419.3	2.23	m_e	MBB	7.0
STU	80.15	pP	18:20:10.845	-0.5			T__			m_e		
TANN	77.59	P	18:19:50.200	0.0	34.6	5.57	TAS	423.6	1.50	m_e	MBB	6.9
TANN	77.59	pP	18:19:56.836	0.0			T__			m_e		
TNS	79.19	P	18:19:59.028	-0.0	34.6	5.57	TAS	552.5	1.42	m_e	MBB	6.7

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TNS	79.19	pP	18:20:05.701	-0.2						T__						m_e
UBBA	78.15	P	18:19:53.039	-0.2	34.6		5.57			TAS	936.9	1.82	m_e	MBB	6.9	
UBBA	78.15	pP	18:20:00.633	0.6						T__						m_e
UBR	80.73	P	18:20:07.313	-0.4	34.6		5.57			TAS	466.0	1.52	m_e	MBB	6.8	
UBR	80.73	pP	18:20:14.900	0.3						T__						m_e
WLF	80.45	pP	18:20:13.347	0.3						T__						m_e

Event 80905007 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/05	18:20:06.51			41.4320	142.2380				36.6					79.58	79.58	m i ke	BGR
OrigID 80905013																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80905013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	79.58		P	18:32:08.253		33.6		4.62		TAS		16.3	1.02	m_e	mb	4.9
GRA1	79.58		pP	18:32:18.990		33.8		4.62		TAS				m_e		

Event 80905008 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/05	21:11:32.64			42.9850	142.3390				38.1	0.4		31		73.56	80.46	m i ke	BGR
OrigID 80905014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	80905014
MBB	5.8		BGR	80905014
Ms	5.4		BGR	80905014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	79.02		P	21:23:30.917	-0.0	34.3		5.57		TAS		72.9	1.06	m_e	MBB	5.8
BFO	80.46		P	21:23:38.419	0.2	34.3		5.57		TAS		95.7	1.41	m_e	MBB	5.7
BRG	76.30		P	21:23:15.441	-0.3	34.3		5.57		TAS		39.5	1.15	a_e	MBB	5.8
BSEG	75.08		P	21:23:08.908	0.2	34.3		5.57		TAS		81.1	0.95	m_e	MBB	5.9
BUG	78.19		P	21:23:25.970	-0.3	34.3		5.57		TAS		73.0	0.95	m_e	MBB	5.9
CLL	76.30		P	21:23:15.265	0.0	34.3		5.57		TAS		85.9	0.98	m_e	MBB	6.0
CLZ	76.80		P	21:23:18.745	0.2	34.3		5.57		TAS		98.2	1.02	m_e	MBB	6.1
FLT1	76.09		P	21:23:13.918	0.4	34.3		5.57		TAS		101.5	0.99	m_e	MBB	6.1
FUR	79.52		P	21:23:33.764	0.4	34.3		5.57		TAS		97.1	1.02	m_e	MBB	5.8
GEC2	78.03		P	21:23:25.191	-0.2	34.3		5.57		TAS		23.9	1.00	a_e	MBB	5.6
GOR1	75.53		P	21:23:11.441	0.1	34.3		5.57		TAS		125.6	1.22	a_e	MBB	6.2

GRA1	78.28	P	21:23:27.166	-0.1	34.3	5.57	TAS	108.3	0.98	m_e	mb	6.0
GRA1	78.28	pP	21:23:38.109				T__				m_e	
GRA1	78.28	L	22:01:20.975				T__	1468.8	19.00	a_e	Ms	5.3
GTTG	77.19	P	21:23:20.747	-0.1	34.3	5.57	TAS	75.5	0.98	m_e	MBB	5.9
IBBN	77.30	P	21:23:21.123	-0.5	34.3	5.57	TAS	84.0	1.00	m_e	MBB	6.0
IBBN	77.30	pP	21:23:31.958				T__				m_e	
KAST	78.01	P	21:23:25.091	-0.2	34.3	5.57	TAS	41.6	0.98	a_e	MBB	5.8
MANZ	77.71	P	21:23:23.587	0.4	34.3	5.57	TAS	7.7	1.00	m_e	MBB	4.9
MOX	77.35	P	21:23:21.391	0.2	34.3	5.57	TAS	51.0	1.17	a_e	MBB	5.8
MOX	77.35	L	22:00:43.029				T__	1719.7	18.90	a_e	Ms	5.4
NEUB	76.84	P	21:23:18.410	-0.2	34.3	5.57	TAS	104.3	0.98	m_e	MBB	6.1
NRDL	76.35	P	21:23:15.817	-0.1	34.3	5.57	TAS	38.1	1.03	m_e	MBB	5.8
PLN	77.28	P	21:23:21.041	-0.0	34.3	5.57	TAS	39.4	1.25	a_e	MBB	5.7
PLN	77.28	pP	21:23:32.118				T__				m_e	
RETH	76.40	P	21:23:16.221	-0.0	34.3	5.57	TAS	96.3	1.26	m_e	MBB	6.0
RGN	73.56	P	21:23:00.108	-0.2	34.3	5.57	TAS	343.9	1.49	m_e	MBB	6.2
RGN	73.56	pP	21:23:11.060				T__				m_e	
RJOB	79.29	P	21:23:32.706	-0.4	34.3	5.57	TAS	50.6	0.94	m_e	MBB	5.7
ROTZ	77.85	P	21:23:24.663	-0.1	34.3	5.57	TAS	11.1	1.02	m_e	MBB	5.2
RUE	75.07	P	21:23:08.701	0.1	34.3	5.57	TAS	127.5	1.14	m_e	MBB	6.1
STU	79.78	P	21:23:34.819	-0.4	34.3	5.57	TAS	177.6	1.04	m_e	MBB	6.1
TANN	77.23	P	21:23:20.741	0.0	34.3	5.57	TAS	21.5	1.13	m_e	MBB	5.5
TNS	78.82	P	21:23:29.641	0.1	34.3	5.57	TAS	54.9	1.21	a_e	MBB	5.7
UBBA	77.78	P	21:23:23.541	-0.1	34.3	5.57	TAS	95.4	1.77	a_e	MBB	5.7
UBR	80.36	P	21:23:37.866		34.3	5.57	TAS	65.7	1.69	m_e	MBB	5.7
WLF	80.08	P	21:23:36.441	0.5	34.3	5.57	TAS	27.6	0.98	a_e	MBB	5.5

Event 80906001 Off west coast of northern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	00:13:56.88			1.0400	95.7570				27.6	4.8		19		83.98	88.96	m i ke	BGR
80906007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80906007
MBB	5.5		BGR	80906007
Ms	4.6		BGR	80906007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.36		P	00:26:48.203	0.4	93.6		4.92		TAS		17.3	1.19	m_e	MBB 5.7
AHRW	88.36		pP	00:26:56.295		93.5		4.97		TAS				m_e	
BFO	87.51		P	00:26:42.845		93.6		4.92		TAS		13.1	1.54	m_e	MBB 5.5
BFO	87.51		pP	00:26:51.444		93.5		4.97		TAS				m_e	
BRG	84.02		P	00:26:26.304	0.5	93.6		4.92		TAS		11.6	1.15	m_e	MBB 5.5
BRG	84.02		pP	00:26:34.468	0.1	93.5		4.97		TAS				m_e	
BSEG	86.47		P	00:26:38.496	-0.0	93.6		4.92		TAS		24.1	1.14	m_e	MBB 5.7

BSEG	86.47	pP	00:26:46.461	0.4	93.5	4.97	TAS												m_e
BUG	88.25	P	00:26:47.001	0.4	93.6	4.92	TAS	27.3	1.29	m_e	MBB	5.7							
BUG	88.25	pP	00:26:55.509		93.5	4.97	TAS												m_e
CLL	84.65	P	00:26:29.011	-0.1	93.6	4.92	TAS	10.8	1.20	m_e	mb	5.0							
CLZ	86.33	P	00:26:37.782	-0.1	93.6	4.92	TAS	15.5	1.18	m_e	mb	5.0							
CLZ	86.33	pP	00:26:46.112	0.2	93.5	4.97	TAS												m_e
FLT1	85.82	pP	00:26:42.871	-0.2	93.5	4.97	TAS												m_e
GEC2	83.98	P	00:26:26.432		93.6	4.92	TAS	23.7	1.16	m_e	MBB	5.7							
GEC2	83.98	pP	00:26:34.372	0.2	93.5	4.97	TAS												m_e
GRA1	85.67	S	00:37:14.307				T__												m_e
GRA1	85.67	P	00:26:34.877		93.6	4.92	TAS	18.0	1.09	m_e	MBB	5.5							
GRA1	85.67	pP	00:26:41.526	0.2	93.5	4.97	TAS												m_e
GRA1	85.67	L	01:13:13.401				T__	238.7	18.30	a_e	Ms	4.6							
IBBN	87.96	P	00:26:45.719	0.0	93.6	4.92	TAS	22.4	1.06	m_e	MBB	6.0							
IBBN	87.96	pP	00:26:53.746		93.5	4.97	TAS												m_e
KAST	87.52	P	00:26:43.670	0.1	93.6	4.92	TAS	15.6	1.29	m_e	mb	5.2							
KAST	87.52	pP	00:26:51.633		93.5	4.97	TAS												m_e
MANZ	85.11	P	00:26:32.292		93.6	4.92	TAS	6.3	1.40	m_e	MBB	4.8							
MANZ	85.11	pP	00:26:39.939	-1.0	93.5	4.97	TAS												m_e
MOX	85.48	S	00:37:10.457				T__												m_e
MOX	85.48	P	00:26:33.555	0.2	93.6	4.92	TAS	7.9	1.15	m_e	MBB	5.4							
MOX	85.48	pP	00:26:41.267	-0.0	93.5	4.97	TAS												m_e
MOX	85.48	L	01:12:47.673				T__	199.0	20.50	a_e	Ms	4.5							
NEUB	85.42	P	00:26:32.961	0.1	93.6	4.92	TAS	16.0	1.08	m_e	MBB	5.5							
NEUB	85.42	pP	00:26:41.194	0.3	93.5	4.97	TAS												m_e
PLN	85.12	P	00:26:31.698	0.2	93.6	4.92	TAS	8.0	1.13	m_e	MBB	5.3							
PLN	85.12	pP	00:26:39.853	-0.4	93.5	4.97	TAS												m_e
RETH	86.99	P	00:26:40.866	-0.2	93.6	4.92	TAS	14.4	1.18	m_e	MBB	5.6							
RETH	86.99	pP	00:26:49.008		93.5	4.97	TAS												m_e
TANN	84.92	P	00:26:30.924	-0.7	93.6	4.92	TAS	5.4	1.00	m_e	mb	4.7							
TANN	84.92	pP	00:26:39.441	-0.3	93.5	4.97	TAS												m_e
TNS	87.48	P	00:26:43.565	-0.2	93.6	4.92	TAS	11.7	1.20	m_e	mb	4.9							
TNS	87.48	pP	00:26:51.751		93.5	4.97	TAS												m_e
UBR	86.30	P	00:26:37.409		93.6	4.92	TAS	10.6	1.29	m_e	MBB	5.5							
WLF	88.96	P	00:26:50.877		93.6	4.92	TAS	23.0	1.16	m_e	MBB	5.6							
WLF	88.96	pP	00:26:58.974		93.5	4.97	TAS												m_e

Event 80906002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	05:13:38.82			-18.5020	-177.6930				542.8	3.0		9		144.10	150.21	m i ke	BGR
80906008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	147.81	PKPdf	05:32:19.008	-0.2	18.4	1.58	TAS	m_e
AHRW	147.81	PKPbc	05:32:22.596	0.2	16.1	2.82	TAS	a_e
AHRW	147.81	PKPab	05:32:25.256		14.9	4.12	TAS	m_e
AHRW	147.81	pPKPbc	05:34:27.653		16.1	3.27	TAS	m_e
BFO	149.85	PKPdf	05:32:21.775		18.4	1.58	TAS	m_e
BFO	149.85	PKPbc	05:32:27.296	-0.6	16.1	2.82	TAS	a_e
BFO	149.85	PKPab	05:32:33.257		14.9	4.12	TAS	m_e
BRG	146.40	PKPdf	05:32:16.489	0.1	18.4	1.58	TAS	m_e
BRG	146.40	PKPbc	05:32:18.246	0.4	16.1	2.82	TAS	a_e
BSEG	144.10	PKPbc	05:32:10.746	-0.7	16.1	2.82	TAS	a_e
BUG	146.90	PKPdf	05:32:17.170	0.1	18.4	1.58	TAS	m_e
BUG	146.90	PKPbc	05:32:19.546	0.2	16.1	2.82	TAS	a_e
CLL	146.19	PKPdf	05:32:16.025	-0.0	18.4	1.58	TAS	m_e
CLL	146.19	PKPbc	05:32:17.446	0.2	16.1	2.82	TAS	a_e
CLZ	146.13	PKPdf	05:32:16.250	0.1	18.4	1.58	TAS	m_e
CLZ	146.13	PKPbc	05:32:17.696	0.1	16.1	2.82	TAS	a_e
FLT1	145.52	PKPbc	05:32:15.246	0.1	16.1	2.82	TAS	a_e
FUR	149.53	PKPdf	05:32:21.523		18.4	1.58	TAS	m_e
FUR	149.53	PKPbc	05:32:26.496	-0.6	16.1	2.82	TAS	a_e
FUR	149.53	PKPab	05:32:32.424		14.9	4.12	TAS	m_e
GEC2	148.36	PKPdf	05:32:19.536		18.4	1.58	TAS	m_e
GEC2	148.36	PKPbc	05:32:23.496	0.3	16.1	2.82	TAS	a_e
GEC2	148.36	PKPab	05:32:27.469		14.9	4.12	TAS	m_e
GEC2	148.36	pPKPbc	05:34:29.069		16.1	3.27	TAS	m_e
GOR1	144.87	PKPbc	05:32:13.696	-0.3	16.1	2.82	TAS	a_e
GRA1	148.07	PKPdf	05:32:19.186		18.4	1.58	TAS	m_e
GRA1	148.07	PKPbc	05:32:23.046	-0.1	16.1	2.82	TAS	a_e
GRA1	148.07	PKPab	05:32:26.497		14.9	4.12	TAS	m_e
GTTG	146.48	PKPdf	05:32:16.575	0.0	18.4	1.58	TAS	m_e
GTTG	146.48	PKPbc	05:32:18.596	0.2	16.1	2.82	TAS	a_e
HLG	144.13	PKPbc	05:32:11.191	0.0	16.1	2.82	TAS	m_e
IBBN	146.00	PKPbc	05:32:17.196	0.5	16.1	2.82	TAS	a_e
KAST	147.01	PKPdf	05:32:17.601	0.1	18.4	1.58	TAS	m_e
KAST	147.01	PKPbc	05:32:20.046	0.2	16.1	2.82	TAS	a_e
KAST	147.01	pPKPbc	05:34:24.728		16.1	3.27	TAS	m_e
MANZ	147.62	PKPdf	05:32:18.481	-0.4	18.4	1.58	TAS	m_e
MANZ	147.62	PKPbc	05:32:21.799	0.4	16.1	2.82	TAS	m_e
MANZ	147.62	PKPab	05:32:24.052		14.9	4.12	TAS	m_e
MANZ	147.62	pPKPbc	05:34:26.805		16.1	3.27	TAS	m_e
MOX	147.08	PKPdf	05:32:17.483	0.3	18.4	1.58	TAS	m_e
MOX	147.08	PKPbc	05:32:20.100	0.3	16.1	2.82	TAS	m_e
MOX	147.08	pPKPbc	05:34:24.643		16.1	3.27	TAS	m_e
NEUB	146.53	PKPdf	05:32:16.571	0.0	18.4	1.58	TAS	m_e
NEUB	146.53	PKPbc	05:32:18.546	-0.1	16.1	2.82	TAS	a_e
PLN	147.13	PKPdf	05:32:17.640	0.3	18.4	1.58	TAS	m_e
PLN	147.13	PKPbc	05:32:20.346	0.3	16.1	2.82	TAS	a_e
PLN	147.13	pPKPbc	05:34:25.067		16.1	3.27	TAS	m_e
RETH	145.39	PKPbc	05:32:15.246	-0.2	16.1	2.82	TAS	a_e
RJOB	149.61	PKPdf	05:32:21.068		18.4	1.58	TAS	m_e

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RJOB	149.61	PKPbc	05:32:26.446	-0.5	16.1	2.82	TAS	a_e
RUE	144.92	PKPbc	05:32:13.446	0.0	16.1	2.82	TAS	a_e
STU	149.29	PKPdf	05:32:21.358		18.4	1.58	TAS	m_e
STU	149.29	PKPbc	05:32:26.046	-0.3	16.1	2.82	TAS	a_e
STU	149.29	PKPab	05:32:30.990		14.9	4.12	TAS	m_e
TANN	147.14	PKPdf	05:32:17.564	0.2	18.4	1.58	TAS	m_e
TANN	147.14	PKPbc	05:32:20.396	0.4	16.1	2.82	TAS	a_e
TANN	147.14	pPKPbc	05:34:25.067		16.1	3.27	TAS	m_e
TNS	147.97	PKPdf	05:32:19.137	-0.1	18.4	1.58	TAS	m_e
TNS	147.97	PKPbc	05:32:22.696	0.4	16.1	2.82	TAS	a_e
TNS	147.97	pPKPbc	05:34:27.865		16.1	3.27	TAS	m_e
UBR	150.21	PKPdf	05:32:22.374		18.4	1.58	TAS	m_e
UBR	150.21	PKPbc	05:32:28.046		16.1	2.82	TAS	a_e
WLF	148.76	PKPdf	05:32:20.896		18.4	1.58	TAS	m_e
WLF	148.76	PKPbc	05:32:25.296	-0.1	16.1	2.82	TAS	a_e
WLF	148.76	pPKPbc	05:34:30.731		16.1	3.27	TAS	m_e

Event 80906004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	14:48:57.08			-16.5370	-175.7920				33.0					146.44	146.44	m i ke	BGR
80906010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.0		BGR	80906010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.44		PKPbc	15:08:34.015		12.2		3.01		TAS				m_e	
GRA1	146.44		L	15:37:48.688						T__		28.1	19.60	a_e Ms	4.0

Event 80906005 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2018/09/06	15:49:15.60			-18.4600	179.3500				627.0					20	144.94	149.56	m i ke	EMSC
80906037																		

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.40		PKPdf	16:07:48.200	-0.3	22.5		1.64		TAS				m_e	
BFO	149.32		PKPdf	16:07:50.779		22.5		1.64		TAS				m_e	
BFO	149.32		PKPbc	16:07:55.731		20.0		2.62		TAS				m_e	
BRG	145.64		PKPdf	16:07:44.904	0.1	22.5		1.64		TAS				m_e	

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BRG	145.64	PKPbc	16:07:46.456	-0.4	20.0	2.62	TAS	m_e
BUG	146.50	PKPdf	16:07:46.333	0.2	22.5	1.64	TAS	m_e
BUG	146.50	PKPbc	16:07:48.351	0.1	20.0	2.62	TAS	m_e
CLL	145.48	PKPdf	16:07:44.333	0.2	22.5	1.64	TAS	m_e
CLL	145.48	PKPbc	16:07:45.900	0.1	20.0	2.62	TAS	m_e
CLZ	145.57	PKPdf	16:07:44.922	0.1	22.5	1.64	TAS	m_e
CLZ	145.57	PKPbc	16:07:46.439	0.2	20.0	2.62	TAS	m_e
FLT1	144.94	PKPbc	16:07:44.010	0.2	20.0	2.62	TAS	m_e
FUR	148.82	PKPdf	16:07:49.919		22.5	1.64	TAS	m_e
FUR	148.82	PKPbc	16:07:54.669		20.0	2.62	TAS	m_e
GEC2	147.54	PKPdf	16:07:48.036		22.5	1.64	TAS	m_e
GEC2	147.54	PKPbc	16:07:51.540		20.0	2.62	TAS	m_e
GRA1	147.41	PKPdf	16:07:47.983		22.5	1.64	TAS	m_e
GRA1	147.41	PKPbc	16:07:51.417		20.0	2.62	TAS	m_e
GTTG	145.94	PKPdf	16:07:45.506	0.2	22.5	1.64	TAS	m_e
GTTG	145.94	PKPbc	16:07:47.382	0.4	20.0	2.62	TAS	m_e
IBBN	145.58	PKPdf	16:07:44.749	-0.3	22.5	1.64	TAS	m_e
IBBN	145.58	PKPbc	16:07:46.154	0.1	20.0	2.62	TAS	m_e
KAST	146.55	PKPdf	16:07:46.652	-0.2	22.5	1.64	TAS	m_e
KAST	146.55	PKPbc	16:07:48.823	-0.1	20.0	2.62	TAS	m_e
MOX	146.43	PKPdf	16:07:46.401	0.1	22.5	1.64	TAS	m_e
MOX	146.43	PKPbc	16:07:48.513	0.3	20.0	2.62	TAS	m_e
NEUB	145.88	PKPdf	16:07:45.306	0.1	22.5	1.64	TAS	m_e
NEUB	145.88	PKPbc	16:07:47.053	0.0	20.0	2.62	TAS	m_e
PLN	146.45	PKPdf	16:07:46.381	0.3	22.5	1.64	TAS	m_e
PLN	146.45	PKPbc	16:07:48.659	0.5	20.0	2.62	TAS	m_e
STU	148.73	PKPdf	16:07:50.223		22.5	1.64	TAS	m_e
STU	148.73	PKPbc	16:07:54.512		20.0	2.62	TAS	m_e
TANN	146.44	PKPdf	16:07:46.417	0.0	22.5	1.64	TAS	m_e
TANN	146.44	PKPbc	16:07:48.741	-0.0	20.0	2.62	TAS	m_e
TNS	147.49	PKPdf	16:07:48.225		22.5	1.64	TAS	m_e
TNS	147.49	PKPbc	16:07:51.499		20.0	2.62	TAS	m_e
UBR	149.56	PKPdf	16:07:51.060		22.5	1.64	TAS	m_e
UBR	149.56	PKPbc	16:07:56.236		20.0	2.62	TAS	m_e
WLF	148.39	PKPdf	16:07:50.100		22.5	1.64	TAS	m_e
WLF	148.39	PKPbc	16:07:54.216		20.0	2.62	TAS	m_e

Event 80906006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	16:09:22.99			-18.6230	-178.5800				183.1	3.0		24		144.09	150.16	m i ke	BGR
														80906012			

Magnitude Err Nsta Author OrigID

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

BFO	149.84	PKPbc	16:28:49.927		18.1	2.68	TAS	m_e
BFO	149.84	pPKPbc	16:29:37.511				T__	m_e
BRG	146.32	PKPbc	16:28:40.759	0.3	18.1	2.68	TAS	m_e
BRG	146.32	pPKPbc	16:29:28.107	0.2			T__	m_e
BSEG	144.09	PKPbc	16:28:34.384	-0.2	18.1	2.68	TAS	m_e
BSEG	144.09	pPKPbc	16:29:20.954	-0.5			T__	m_e
CLL	146.12	PKPbc	16:28:40.207	0.3	18.1	2.68	TAS	m_e
CLL	146.12	pPKPbc	16:29:27.443	0.4			T__	m_e
CLZ	146.11	PKPbc	16:28:40.566	0.1	18.1	2.68	TAS	m_e
CLZ	146.11	pPKPbc	16:29:27.880	0.1			T__	m_e
FLT1	145.49	PKPbc	16:28:38.276	0.1	18.1	2.68	TAS	m_e
FLT1	145.49	pPKPbc	16:29:25.323	0.5			T__	m_e
FUR	149.46	PKPbc	16:28:48.942		18.1	2.68	TAS	m_e
FUR	149.46	pPKPbc	16:29:36.470				T__	m_e
GEC2	148.25	PKPbc	16:28:45.999		18.1	2.68	TAS	m_e
GEC2	148.25	pPKPbc	16:29:33.314	-0.5			T__	m_e
GRA1	148.02	pPKPbc	16:29:33.053	-0.3			T__	m_e
GTTG	146.46	PKPbc	16:28:41.465	0.0	18.1	2.68	TAS	m_e
GTTG	146.46	pPKPbc	16:29:28.801	0.1			T__	m_e
HLG	144.16	pPKPbc	16:29:21.621	-0.3			T__	m_e
IBBN	146.02	pPKPbc	16:29:27.513	0.1			T__	m_e
KAST	147.02	PKPbc	16:28:42.928	0.2	18.1	2.68	TAS	m_e
KAST	147.02	pPKPbc	16:29:30.190	0.3			T__	m_e
MANZ	147.56	PKPbc	16:28:44.443		18.1	2.68	TAS	m_e
MANZ	147.56	pPKPbc	16:29:31.635	-0.2			T__	m_e
MOX	147.03	PKPbc	16:28:42.717	-0.0	18.1	2.68	TAS	m_e
MOX	147.03	pPKPbc	16:29:29.985	0.2			T__	m_e
NEUB	146.48	PKPbc	16:28:41.310	0.4	18.1	2.68	TAS	m_e
NEUB	146.48	pPKPbc	16:29:28.566	0.1			T__	m_e
PLN	147.07	PKPbc	16:28:43.026	-0.3	18.1	2.68	TAS	m_e
PLN	147.07	pPKPbc	16:29:30.248	0.3			T__	m_e
RETH	145.39	PKPbc	16:28:38.275	0.3	18.1	2.68	TAS	m_e
RETH	145.39	pPKPbc	16:29:25.500	0.2			T__	m_e
RUE	144.86	PKPbc	16:28:36.590	0.3	18.1	2.68	TAS	m_e
RUE	144.86	pPKPbc	16:29:23.469	-0.2			T__	m_e
STU	149.27	PKPbc	16:28:48.713		18.1	2.68	TAS	m_e
STU	149.27	pPKPbc	16:29:36.244				T__	m_e
TANN	147.08	PKPbc	16:28:42.996	-0.2	18.1	2.68	TAS	m_e
TANN	147.08	pPKPbc	16:29:30.390	0.3			T__	m_e
TNS	147.98	pPKPbc	16:29:33.000	-0.1			T__	m_e
UBR	150.16	PKPbc	16:28:50.574		18.1	2.68	TAS	m_e
UBR	150.16	pPKPbc	16:29:38.086				T__	m_e
WLF	148.80	PKPbc	16:28:48.154		18.1	2.68	TAS	m_e
WLF	148.80	pPKPbc	16:29:35.735	-0.7			T__	m_e

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	16:31:33.40			-18.1400	-179.7200				650.0			25		143.44	149.46	m i ke	EMSC
80906039																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.22		PKPbc	16:50:07.415	0.1	19.5		2.82		TAS				m_e	
BFO	149.18		PKPpdf	16:50:05.441						T__				m_e	
BFO	149.18		PKPbc	16:50:11.638		19.5		2.82		TAS				m_e	
BRG	145.57		PKPbc	16:50:02.291	0.4	19.5		2.82		TAS				m_e	
BSEG	143.44		PKPbc	16:49:55.534	-0.5	19.5		2.82		TAS				m_e	
BUG	146.31		PKPbc	16:50:04.543	0.3	19.5		2.82		TAS				m_e	
CLL	145.40		PKPbc	16:50:01.840	0.0	19.5		2.82		TAS				m_e	
CLZ	145.44		PKPbc	16:50:02.178	0.0	19.5		2.82		TAS				m_e	
FLT1	144.81		PKPbc	16:49:59.701	0.4	19.5		2.82		TAS				m_e	
FUR	148.74		PKPbc	16:50:11.300		19.5		2.82		TAS				m_e	
GEC2	147.50		PKPpdf	16:50:03.101						T__				m_e	
GEC2	147.50		PKPbc	16:50:07.471	0.2	19.5		2.82		TAS				m_e	
GRA1	147.31		PKPbc	16:50:07.246	-0.3	19.5		2.82		TAS				m_e	
GTTG	145.80		PKPbc	16:50:03.192	0.2	19.5		2.82		TAS				m_e	
HLG	143.55		PKPbc	16:49:56.097	-0.2	19.5		2.82		TAS				m_e	
IBBN	145.40		PKPbc	16:50:01.824	0.2	19.5		2.82		TAS				m_e	
KAST	146.38		PKPbc	16:50:04.487	0.5	19.5		2.82		TAS				m_e	
MANZ	146.84		PKPbc	16:50:06.063	0.2	19.5		2.82		TAS				m_e	
MOX	146.33		PKPbc	16:50:04.374	0.2	19.5		2.82		TAS				m_e	
NEUB	145.78		PKPbc	16:50:02.967	0.1	19.5		2.82		TAS				m_e	
PLN	146.36		PKPbc	16:50:04.543	0.2	19.5		2.82		TAS				m_e	
RETH	144.75		PKPbc	16:49:59.813	0.1	19.5		2.82		TAS				m_e	
RUE	144.13		PKPbc	16:49:57.955	-0.0	19.5		2.82		TAS				m_e	
STU	148.60		PKPpdf	16:50:04.930						T__				m_e	
TANN	146.36		PKPbc	16:50:04.599	0.0	19.5		2.82		TAS				m_e	
TNS	147.33		PKPpdf	16:50:02.868						T__				m_e	
TNS	147.33		PKPbc	16:50:07.190	0.2	19.5		2.82		TAS				m_e	
UBR	149.46		PKPpdf	16:50:05.957						T__				m_e	
UBR	149.46		PKPbc	16:50:12.313		19.5		2.82		TAS				m_e	
WLF	148.20		PKPpdf	16:50:04.576						T__				m_e	
WLF	148.20		PKPbc	16:50:09.892	-0.7	19.5		2.82		TAS				m_e	

Event 80906008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	16:43:18.70			-17.8700	-179.5800				622.0			17		145.17	148.94	m i ke	EMSC
80906040																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	146.97		PKPbc	17:01:53.542	-0.1	19.2		2.69		TAS				m_e		
BFO	148.94		PKPbc	17:01:58.329		19.2		2.69		TAS				m_e		
BRG	145.35		PKPbc	17:01:48.992	-0.1	19.2		2.69		TAS				m_e		
CLL	145.17		PKPbc	17:01:48.207	0.2	19.2		2.69		TAS				m_e		
CLZ	145.20		PKPbc	17:01:48.586	0.1	19.2		2.69		TAS				m_e		
FUR	148.51		PKPbc	17:01:57.380		19.2		2.69		TAS				m_e		
GEC2	147.28		PKPbc	17:01:54.214		19.2		2.69		TAS				m_e		
GRA1	147.08		PKPbc	17:01:53.917		19.2		2.69		TAS				m_e		
GTTG	145.56		PKPbc	17:01:49.533	0.1	19.2		2.69		TAS				m_e		
KAST	146.14		PKPbc	17:01:51.021	0.2	19.2		2.69		TAS				m_e		
MANZ	146.61		PKPbc	17:01:52.564		19.2		2.69		TAS				m_e		
MOX	146.10		PKPbc	17:01:50.931	-0.3	19.2		2.69		TAS				m_e		
NEUB	145.55		PKPbc	17:01:49.479	0.3	19.2		2.69		TAS				m_e		
PLN	146.13		PKPbc	17:01:51.130		19.2		2.69		TAS				m_e		
TANN	146.13		PKPbc	17:01:51.211		19.2		2.69		TAS				m_e		
TNS	147.09		PKPbc	17:01:53.808		19.2		2.69		TAS				m_e		
WLF	147.95		PKPbc	17:01:56.515		19.2		2.69		TAS				m_e		

Event 80906009 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2018/09/06	17:59:15.50			-18.0500	-178.0500				536.0				19	145.02	149.70	m i ke	EMSC
80906041																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	149.35		PKPbc	18:18:04.060		16.6		2.75		TAS				m_e		
BRG	145.88		PKPbc	18:17:55.301	0.3	16.6		2.75		TAS				m_e		
CLL	145.68		PKPbc	18:17:54.579	0.2	16.6		2.75		TAS				m_e		
CLZ	145.63		PKPbc	18:17:54.850	0.1	16.6		2.75		TAS				m_e		
FLT1	145.02		PKPbc	18:17:52.283	-0.1	16.6		2.75		TAS				m_e		
GEC2	147.84		PKPbc	18:18:00.690		16.6		2.75		TAS				m_e		
GRA1	147.56		PKPbc	18:18:00.150		16.6		2.75		TAS				m_e		
GTTG	145.98		PKPbc	18:17:55.514	0.0	16.6		2.75		TAS				m_e		
IBBN	145.51		PKPbc	18:17:54.027	0.0	16.6		2.75		TAS				m_e		
KAST	146.53		PKPbc	18:17:56.973	0.2	16.6		2.75		TAS				m_e		
MANZ	147.11		PKPbc	18:17:58.833		16.6		2.75		TAS				m_e		
MOX	146.58		PKPbc	18:17:57.208	-0.1	16.6		2.75		TAS				m_e		
NEUB	146.02		PKPbc	18:17:55.592	0.4	16.6		2.75		TAS				m_e		
PLN	146.62		PKPbc	18:17:57.314	-0.7	16.6		2.75		TAS				m_e		
STU	148.80		PKPbc	18:18:03.121		16.6		2.75		TAS				m_e		
TANN	146.63		PKPbc	18:17:57.516	0.0	16.6		2.75		TAS				m_e		

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TNS	147.48	PKPbc	18:17:59.779	16.6	2.75	TAS	m_e
UBR	149.70	PKPbc	18:18:05.701	16.6	2.75	TAS	m_e
WLF	148.28	PKPbc	18:18:02.326	16.6	2.75	TAS	m_e

Event 80906010 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	18:13:48.60			-18.0800	179.0300				649.0			21		143.16	149.12	m i ke	EMSC
OrigID 80906042																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.89		PKPbc	18:32:25.665		21.6		2.82		TAS				m_e	
BRG	145.19		PKPbc	18:32:15.937	0.2	21.6		2.82		TAS				m_e	
BSEG	143.16		PKPbc	18:32:09.263	-0.2	21.6		2.82		TAS				m_e	
CLL	145.04		PKPbc	18:32:15.454	0.1	21.6		2.82		TAS				m_e	
CLZ	145.14		PKPbc	18:32:16.128	0.1	21.6		2.82		TAS				m_e	
FLT1	144.50		PKPbc	18:32:13.347	0.1	21.6		2.82		TAS				m_e	
GEC2	147.09		PKPbc	18:32:21.070		21.6		2.82		TAS				m_e	
GOR1	143.86		PKPbc	18:32:11.686	0.1	21.6		2.82		TAS				m_e	
GRA1	146.97		PKPbc	18:32:21.010		21.6		2.82		TAS				m_e	
GTTG	145.50		PKPbc	18:32:17.002	0.2	21.6		2.82		TAS				m_e	
IBBN	145.16		PKPbc	18:32:15.823	0.4	21.6		2.82		TAS				m_e	
KAST	146.12		PKPbc	18:32:18.432	0.3	21.6		2.82		TAS				m_e	
MANZ	146.48		PKPbc	18:32:19.621	-0.6	21.6		2.82		TAS				m_e	
NEUB	145.44		PKPbc	18:32:16.672	0.3	21.6		2.82		TAS				m_e	
PLN	146.01		PKPbc	18:32:18.111	-0.3	21.6		2.82		TAS				m_e	
RETH	144.48		PKPbc	18:32:13.549	-0.4	21.6		2.82		TAS				m_e	
STU	148.29		PKPbc	18:32:24.393		21.6		2.82		TAS				m_e	
TANN	146.00		PKPbc	18:32:18.353	-0.0	21.6		2.82		TAS				m_e	
TNS	147.06		PKPbc	18:32:21.298	-0.5	21.6		2.82		TAS				m_e	
UBR	149.12		PKPbc	18:32:26.156		21.6		2.82		TAS				m_e	
WLF	147.97		PKPbc	18:32:23.903		21.6		2.82		TAS				m_e	

Event 80906011 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	18:22:23.20			-19.1200	179.5400				661.0			16		145.62	150.24	m i ke	EMSC
OrigID 80906043																	

Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.00		PKPbc	18:41:01.650		21.2		2.57		TAS				m_e	
BRG	146.32		PKPbc	18:40:52.572	-0.0	21.2		2.57		TAS				m_e	
CLL	146.16		PKPbc	18:40:51.971	0.3	21.2		2.57		TAS				m_e	
CLZ	146.25		PKPbc	18:40:52.522	0.2	21.2		2.57		TAS				m_e	
FLT1	145.62		PKPbc	18:40:50.065	0.1	21.2		2.57		TAS				m_e	
FUR	149.50		PKPbc	18:41:00.647		21.2		2.57		TAS				m_e	
GEC2	148.22		PKPbc	18:40:57.587		21.2		2.57		TAS				m_e	
GRA1	148.09		PKPbc	18:40:57.337		21.2		2.57		TAS				m_e	
KAST	147.22		PKPbc	18:40:54.679	0.0	21.2		2.57		TAS				m_e	
MANZ	147.60		PKPbc	18:40:56.083		21.2		2.57		TAS				m_e	
NEUB	146.56		PKPbc	18:40:53.124	-0.3	21.2		2.57		TAS				m_e	
PLN	147.13		PKPbc	18:40:54.706		21.2		2.57		TAS				m_e	
TANN	147.12		PKPbc	18:40:54.629		21.2		2.57		TAS				m_e	
TNS	148.16		PKPbc	18:40:57.487		21.2		2.57		TAS				m_e	
UBR	150.24		PKPbc	18:41:02.189		21.2		2.57		TAS				m_e	
WLF	149.07		PKPbc	18:40:59.944		21.2		2.57		TAS				m_e	

Event 80906012 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	22:38:02.90			-23.5100	-179.9300				542.0			20		148.65	154.58	m i ke	EMSC
80906044																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	154.38		PKPbc	22:57:01.758		21.4		2.18		TAS				m_e	
BRG	150.64		PKPbc	22:56:54.039	0.2	21.4		2.18		TAS				m_e	
BSEG	148.65		PKPbc	22:56:49.261	-0.1	21.4		2.18		TAS				m_e	
CLL	150.50		PKPbc	22:56:53.523	0.1	21.4		2.18		TAS				m_e	
CLZ	150.62		PKPbc	22:56:54.297	-0.1	21.4		2.18		TAS				m_e	
FLT1	149.98		PKPbc	22:56:52.234	0.3	21.4		2.18		TAS				m_e	
GEC2	152.51		PKPbc	22:56:58.036		21.4		2.18		TAS				m_e	
GOR1	149.35		PKPbc	22:56:51.025	-0.2	21.4		2.18		TAS				m_e	
GTTG	150.99		PKPbc	22:56:54.941	-0.1	21.4		2.18		TAS				m_e	
IBBN	150.65		PKPbc	22:56:53.845	0.5	21.4		2.18		TAS				m_e	
KAST	151.61		PKPbc	22:56:55.973	-0.0	21.4		2.18		TAS				m_e	
MANZ	151.94		PKPbc	22:56:56.940		21.4		2.18		TAS				m_e	
MOX	151.46		PKPbc	22:56:55.641	0.2	21.4		2.18		TAS				m_e	
NEUB	150.92		PKPbc	22:56:54.490	0.2	21.4		2.18		TAS				m_e	
PLN	151.47		PKPbc	22:56:55.844	-0.1	21.4		2.18		TAS				m_e	
RETH	149.97		PKPbc	22:56:52.410	-0.2	21.4		2.18		TAS				m_e	
RUE	149.24		PKPbc	22:56:50.622	-0.2	21.4		2.18		TAS				m_e	
TANN	151.46		PKPbc	22:56:55.908	-0.3	21.4		2.18		TAS				m_e	
UBR	154.58		PKPbc	22:57:02.093		21.4		2.18		TAS				m_e	

WLF 153.46 PKPbc 22:57:00.593 21.4 2.18 TAS m_e

Event 80906013 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	23:39:27.20			-17.6600	179.6500				594.0			21		144.18	148.85	m i ke	NEIC
80906108																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.60		PKPbc	23:58:07.672		19.4		2.76		TAS					m_e
BRG	144.95		PKPbc	23:57:58.112	0.2	19.4		2.76		TAS					m_e
CLL	144.79		PKPbc	23:57:57.413	0.2	19.4		2.76		TAS					m_e
CLZ	144.85		PKPbc	23:57:57.864	0.3	19.4		2.76		TAS					m_e
FLT1	144.22		PKPbc	23:57:55.284	0.1	19.4		2.76		TAS					m_e
FUR	148.13		PKPbc	23:58:06.550		19.4		2.76		TAS					m_e
GEC2	146.86		PKPbc	23:58:03.454		19.4		2.76		TAS					m_e
GRA1	146.71		PKPbc	23:58:03.198	-0.3	19.4		2.76		TAS					m_e
GTTG	145.21		PKPbc	23:57:58.855	0.3	19.4		2.76		TAS					m_e
IBBN	144.84		PKPbc	23:57:57.569	0.1	19.4		2.76		TAS					m_e
KAST	145.81		PKPbc	23:58:00.355	-0.4	19.4		2.76		TAS					m_e
MANZ	146.23		PKPbc	23:58:01.790	-0.2	19.4		2.76		TAS					m_e
MOX	145.73		PKPbc	23:58:00.143	0.4	19.4		2.76		TAS					m_e
NEUB	145.18		PKPbc	23:57:58.644	-0.0	19.4		2.76		TAS					m_e
PLN	145.75		PKPbc	23:58:00.319	0.1	19.4		2.76		TAS					m_e
RETH	144.18		PKPbc	23:57:55.345	0.1	19.4		2.76		TAS					m_e
RJOB	148.12		PKPbc	23:58:06.452		19.4		2.76		TAS					m_e
TANN	145.75		PKPbc	23:58:00.417	0.2	19.4		2.76		TAS					m_e
TNS	146.75		PKPbc	23:58:03.154		19.4		2.76		TAS					m_e
UBR	148.85		PKPbc	23:58:08.367		19.4		2.76		TAS					m_e
WLF	147.65		PKPbc	23:58:05.991		19.4		2.76		TAS					m_e

Event 80907001 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/06	23:55:41.01			-17.5290	179.2230				631.0			17		142.66	148.63	m i ke	BGR
80907007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	144.72		PKPbc	00:14:08.409	1.6	21.0		2.81		TAS					m_e

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BSEG	142.66	PKPbc	00:14:01.412	-0.2	21.0	2.81	TAS	m_e
CLL	144.56	PKPbc	00:14:07.954	0.2	21.0	2.81	TAS	m_e
CLZ	144.64	PKPbc	00:14:07.876	0.1	21.0	2.81	TAS	m_e
FLT1	144.00	PKPbc	00:14:06.092	-0.3	21.0	2.81	TAS	m_e
GEC2	146.62	PKPbc	00:14:13.880		21.0	2.81	TAS	m_e
IBBN	144.65	PKPbc	00:14:08.692	0.1	21.0	2.81	TAS	m_e
MANZ	146.00	PKPbc	00:14:12.008		21.0	2.81	TAS	m_e
MOX	145.50	PKPbc	00:14:12.115	-0.5	21.0	2.81	TAS	m_e
NEUB	144.96	PKPbc	00:14:08.734	-0.1	21.0	2.81	TAS	m_e
NRDL	144.07	PKPbc	00:14:07.405	0.3	21.0	2.81	TAS	m_e
RJOB	147.88	PKPbc	00:14:16.774		21.0	2.81	TAS	m_e
ROTZ	146.18	PKPbc	00:14:12.283		21.0	2.81	TAS	m_e
TANN	145.52	PKPbc	00:14:10.785	-0.6	21.0	2.81	TAS	m_e
TNS	146.55	PKPbc	00:14:13.737		21.0	2.81	TAS	m_e
UBR	148.63	PKPbc	00:14:18.767		21.0	2.81	TAS	m_e
WLF	147.46	PKPbc	00:14:16.372		21.0	2.81	TAS	m_e

Event 80907002 Panama-Colombia border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/07	01:47:22.57			7.9600	-77.4700				10.0			28		79.86	84.84	m i ke	BGR
80907008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80907008
Ms	5.4		BGR	80907008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	80.44		P	01:59:35.278	0.5	274.0		5.22		TAS		155.6	1.72	a_e mb	5.7
BFO	81.32		P	01:59:38.728	0.1	274.0		5.22		TAS		30.2	1.38	a_e mb	5.1
BRG	84.78		P	01:59:57.428		274.0		5.22		TAS		23.7	1.02	a_e mb	5.4
BSEG	82.32		P	01:59:44.528	0.2	274.0		5.22		TAS		148.0	2.05	a_e mb	5.8
BUG	80.55		P	01:59:35.078	-0.3	274.0		5.22		TAS		139.6	1.84	a_e mb	5.7
CLL	84.15		P	01:59:54.028	-0.2	274.0		5.22		TAS		35.8	1.24	a_e mb	5.5
CLZ	82.47		P	01:59:45.628	0.3	274.0		5.22		TAS		50.6	1.30	a_e mb	5.5
FLT1	82.97		P	01:59:47.578	0.0	274.0		5.22		TAS		30.0	1.00	a_e mb	5.5
FUR	83.30		P	01:59:49.728	0.0	274.0		5.22		TAS		213.2	2.35	a_e mb	6.0
GEC2	84.84		P	01:59:57.578		274.0		5.22		TAS		45.3	1.27	m_e mb	5.5
GOR1	82.97		P	01:59:48.028	0.1	274.0		5.22		TAS		62.7	1.45	a_e mb	5.6
GRA1	83.15		P	01:59:49.028	0.1	274.0		5.22		TAS		89.2	1.66	a_e mb	5.7
GRA1	83.15		L	03:00:58.314						T__		1279.3	20.00	a_e Ms	5.3
GTTG	82.23		P	01:59:44.228	0.1	274.0		5.22		TAS		67.0	1.57	a_e mb	5.5
IBBN	80.84		P	01:59:36.678	-0.2	274.0		5.22		TAS		120.8	1.52	a_e mb	5.7
KAST	81.28		P	01:59:38.978	-0.6	274.0		5.22		TAS		29.6	1.34	a_e mb	5.1
MANZ	83.70		P	01:59:52.078	0.2	274.0		5.22		TAS		9.7	1.30	m_e mb	4.9
MOX	83.33		P	01:59:49.878	0.0	274.0		5.22		TAS		25.4	1.28	a_e mb	5.3

MOX	83.33	L	02:57:09.072							T__	1943.1	18.40	a_e	Ms	5.5
NEUB	83.39	P	01:59:50.178	-0.0	274.0	5.22				TAS	30.7	1.11	a_e	mb	5.4
PLN	83.69	P	01:59:51.728	0.3	274.0	5.22				TAS	36.5	1.23	a_e	mb	5.5
RETH	81.81	P	01:59:42.278	-0.3	274.0	5.22				TAS	73.5	1.30	a_e	mb	5.7
RJOB	84.35	P	01:59:55.128	-0.0	274.0	5.22				TAS	27.3	1.25	a_e	mb	5.3
RUE	84.51	P	01:59:55.878	-0.1	274.0	5.22				TAS	103.1	1.52	a_e	mb	5.8
STU	81.88	P	01:59:41.978	0.1	274.0	5.22				TAS	172.6	1.45	a_e	mb	6.0
TANN	83.89	P	01:59:52.928	-0.1	274.0	5.22				TAS	41.7	1.20	a_e	mb	5.5
TNS	81.33	P	01:59:39.578	0.4	274.0	5.22				TAS	86.2	1.49	a_e	mb	5.6
UBBA	82.30	P	01:59:44.578	-0.1	274.0	5.22				TAS	55.2	1.62	a_e	mb	5.4
UBR	82.55	P	01:59:45.978	-0.4	274.0	5.22				TAS	65.9	1.63	a_e	mb	5.6
WLF	79.86	P	01:59:31.859	0.1	274.0	5.22				TAS	160.7	1.55	m_e	mb	5.7

Event 80907003 Peru-Ecuador border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/07	02:12:11.83			-2.1200	-77.3100				106.9	3.5		29		87.36	92.42	m i ke	BGR
OrigID 80907009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	80907009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	88.05		P	02:24:49.792	0.6	267.6		4.69		TAS		390.1	1.20	m_e	mb 6.6
AHRW	88.05		pP	02:25:17.736						T__				m_e	
BFO	88.66		P	02:24:51.229	-0.9	267.6		4.69		TAS		88.6	1.23	m_e	mb 5.9
BFO	88.66		pP	02:25:19.041						T__				m_e	
BRG	92.42		P	02:25:09.826		267.6		4.69		TAS		121.9	1.12	m_e	mb 6.1
BRG	92.42		pP	02:25:38.149						T__				m_e	
BSEG	90.30		P	02:24:59.268	0.1	267.6		4.69		TAS		215.8	1.47	m_e	mb 6.2
BSEG	90.30		pP	02:25:27.589						T__				m_e	
BUG	88.26		P	02:24:49.916	-0.2	267.6		4.69		TAS		250.6	1.25	m_e	mb 6.4
BUG	88.26		pP	02:25:18.113						T__				m_e	
CLL	91.84		P	02:25:06.724	0.2	267.6		4.69		TAS		230.0	1.60	m_e	mb 6.3
CLL	91.84		pP	02:25:34.655						T__				m_e	
CLZ	90.21		P	02:24:59.458	-0.5	267.6		4.69		TAS		151.8	1.36	m_e	mb 6.0
CLZ	90.21		pP	02:25:27.190						T__				m_e	
FLT1	90.77		P	02:25:01.652	0.0	267.6		4.69		TAS		210.7	1.68	m_e	mb 6.2
FLT1	90.77		pP	02:25:29.386						T__				m_e	
FUR	90.62		P	02:25:01.358	0.3	267.6		4.69		TAS		237.9	1.58	m_e	mb 6.3
FUR	90.62		pP	02:25:29.238						T__				m_e	
GEC2	92.25		P	02:25:08.601	0.0	267.6		4.69		TAS		79.4	1.64	m_e	mb 5.8
GEC2	92.25		pP	02:25:36.672						T__				m_e	
GOR1	90.84		P	02:25:02.320	0.1	267.6		4.69		TAS		324.5	1.61	m_e	mb 6.4
GRA1	90.65		P	02:25:01.687	-0.3	267.6		4.69		TAS		199.1	1.49	m_e	mb 6.2
GTTG	89.94		P	02:24:58.200	0.1	267.6		4.69		TAS		156.1	1.27	m_e	mb 6.1

GTTG	89.94	pP	02:25:26.113							T__							m_e	
IBBN	88.64	P	02:24:51.812	-0.1	267.6		4.69			TAS	242.0	1.37	m_e	mb				6.2
KAST	88.95	P	02:24:53.161	-0.1	267.6		4.69			TAS	128.5	1.42	m_e	mb				6.0
KAST	88.95	pP	02:25:20.733							T__								m_e
MANZ	91.23	P	02:25:04.458	0.0	267.6		4.69			TAS	39.6	1.44	m_e	mb				5.5
MANZ	91.23	pP	02:25:32.634							T__								m_e
MOX	90.94	P	02:25:02.835	0.2	267.6		4.69			TAS	129.2	1.48	m_e	mb				6.0
MOX	90.94	pP	02:25:30.494							T__								m_e
NEUB	91.06	P	02:25:03.501	0.3	267.6		4.69			TAS	171.4	1.39	m_e	mb				6.2
NEUB	91.06	pP	02:25:31.212							T__								m_e
PLN	91.28	P	02:25:04.405	0.2	267.6		4.69			TAS	125.1	1.18	m_e	mb				6.1
PLN	91.28	pP	02:25:32.214							T__								m_e
RETH	89.65	P	02:24:56.970	0.4	267.6		4.69			TAS	250.4	1.50	m_e	mb				6.2
RETH	89.65	pP	02:25:25.105							T__								m_e
RGN	92.08	P	02:25:08.341	-0.3	267.6		4.69			TAS	494.8	1.46	a_e	mb				6.6
RJOB	91.62	P	02:25:05.852	-0.2	267.6		4.69			TAS	33.6	0.89	m_e	mb				5.7
RJOB	91.62	pP	02:25:32.957							T__								m_e
RUE	92.33	P	02:25:09.291	0.1	267.6		4.69			TAS	176.1	1.25	a_e	mb				6.2
RUE	92.33	pP	02:25:37.371							T__								m_e
STU	89.27	P	02:24:54.891	0.3	267.6		4.69			TAS	165.5	0.75	a_e	mb				6.3
STU	89.27	pP	02:25:22.911							T__								m_e
TANN	91.47	P	02:25:05.438	-0.2	267.6		4.69			TAS	168.6	1.17	m_e	mb				6.3
TANN	91.47	pP	02:25:33.243							T__								m_e
TNS	88.89	P	02:24:53.154	-0.3	267.6		4.69			TAS	202.8	1.21	m_e	mb				6.2
TNS	88.89	pP	02:25:20.930							T__								m_e
UBBA	89.92	P	02:24:57.828	0.1	267.6		4.69			TAS	88.1	1.54	m_e	mb				5.8
UBBA	89.92	pP	02:25:25.323							T__								m_e
UBR	89.81	P	02:24:57.877	-0.2	267.6		4.69			TAS	244.7	1.28	m_e	mb				6.3
UBR	89.81	pP	02:25:25.731							T__								m_e
WLF	87.36	P	02:24:46.341	0.3	267.6		4.69			TAS	480.5	1.22	m_e	mb				6.5
WLF	87.36	pP	02:25:14.274							T__								m_e

Event 80907004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/07	05:10:19.86			-16.4460	-177.0400				600.0			30		142.15	148.30	m i ke	BGR
	80907010																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	145.83		PKPbc	05:28:51.565	-0.1	14.3		2.86		TAS					m_e
BFO	147.90		PKPdf	05:28:51.670	-0.2	14.3		2.86		TAS					m_e
BFO	147.90		PKPbc	05:28:56.045		14.3		2.86		TAS					m_e
BFO	147.90		PKPab	05:29:03.995	-0.2	14.3		2.86		TAS					m_e
BFO	147.90		pPKPbc	05:31:15.234						T__					m_e

BRG	144.54	PKPdf	05:28:45.265	-0.2	14.3	2.86	TAS	m_e
BRG	144.54	PKPbc	05:28:47.376	1.2	14.3	2.86	TAS	m_e
BSEG	142.15	PKPbc	05:28:39.867	-0.2	14.3	2.86	TAS	m_e
BUG	144.92	PKPbc	05:28:49.138	-0.7	14.3	2.86	TAS	m_e
CLL	144.31	PKPbc	05:28:46.119	0.1	14.3	2.86	TAS	m_e
CLZ	144.20	PKPbc	05:28:45.839	-0.4	14.3	2.86	TAS	m_e
FLT1	143.60	PKPbc	05:28:44.138	0.1	14.3	2.86	TAS	m_e
FUR	147.64	PKPbc	05:28:55.386	-0.8	14.3	2.86	TAS	m_e
FUR	147.64	PKPab	05:29:03.022	-0.2	14.3	2.86	TAS	m_e
GEC2	146.52	PKPdf	05:28:48.527	-0.2	14.3	2.86	TAS	m_e
GEC2	146.52	PKPbc	05:28:52.602	0.2	14.3	2.86	TAS	m_e
GEC2	146.52	pPKPbc	05:31:11.023				T__	m_e
GOR1	142.95	PKPbc	05:28:42.531	-0.5	14.3	2.86	TAS	m_e
GRA1	146.17	PKPbc	05:28:52.910	-0.4	14.3	2.86	TAS	m_e
GRA1	146.17	pPKPbc	05:31:10.804				T__	m_e
GTTG	144.54	PKPdf	05:28:44.981	-0.2	14.3	2.86	TAS	m_e
GTTG	144.54	PKPbc	05:28:48.456	0.2	14.3	2.86	TAS	m_e
HLG	142.15	PKPbc	05:28:40.401	-0.1	14.3	2.86	TAS	m_e
IBBN	144.02	PKPbc	05:28:46.031	-0.4	14.3	2.86	TAS	m_e
KAST	145.05	PKPbc	05:28:48.085	0.7	14.3	2.86	TAS	m_e
MANZ	145.74	PKPdf	05:28:47.434	-0.2	14.3	2.86	TAS	m_e
MANZ	145.74	PKPbc	05:28:50.557	0.4	14.3	2.86	TAS	m_e
MOX	145.18	PKPdf	05:28:46.007	-0.2	14.3	2.86	TAS	m_e
MOX	145.18	PKPbc	05:28:49.688	0.8	14.3	2.86	TAS	m_e
NEUB	144.62	PKPdf	05:28:45.204	-0.2	14.3	2.86	TAS	m_e
NEUB	144.62	PKPbc	05:28:47.596	0.6	14.3	2.86	TAS	m_e
NRDL	143.59	PKPbc	05:28:44.246	-0.4	14.3	2.86	TAS	m_e
PLN	145.24	PKPdf	05:28:46.664	-0.2	14.3	2.86	TAS	m_e
PLN	145.24	PKPbc	05:28:50.053	1.0	14.3	2.86	TAS	m_e
RETH	143.44	PKPbc	05:28:43.890	-0.3	14.3	2.86	TAS	m_e
ROTZ	145.93	PKPdf	05:28:48.397	-0.2	14.3	2.86	TAS	m_e
ROTZ	145.93	PKPbc	05:28:51.131	0.2	14.3	2.86	TAS	m_e
RUE	143.05	PKPbc	05:28:42.438	-0.3	14.3	2.86	TAS	m_e
STU	147.36	PKPdf	05:28:50.730	-0.2	14.3	2.86	TAS	m_e
STU	147.36	PKPbc	05:28:55.180	-0.7	14.3	2.86	TAS	m_e
STU	147.36	PKPab	05:29:01.781	-0.2	14.3	2.86	TAS	m_e
TANN	145.26	PKPdf	05:28:46.788	-0.2	14.3	2.86	TAS	m_e
TANN	145.26	PKPbc	05:28:50.269	0.5	14.3	2.86	TAS	m_e
TNS	146.02	PKPbc	05:28:51.746	1.1	14.3	2.86	TAS	m_e
UBBA	145.25	PKPbc	05:28:49.778	-0.1	14.3	2.86	TAS	m_e
UBR	148.30	PKPdf	05:28:51.178	-0.2	14.3	2.86	TAS	m_e
UBR	148.30	PKPbc	05:28:57.213		14.3	2.86	TAS	m_e
UBR	148.30	pPKPbc	05:31:15.459				T__	m_e
WLF	146.77	PKPdf	05:28:50.613	-0.2	14.3	2.86	TAS	m_e
WLF	146.77	PKPbc	05:28:54.152	-0.1	14.3	2.86	TAS	m_e
WLF	146.77	pPKPbc	05:31:11.389				T__	m_e

Event 80907007 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/07	20:35:02.73	0.51	0.98	43.0540	17.5440	7.8	5.6	117	10.0				39 302	4.06	10.25	m i ke	BGR
80907013																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.1		BGR	80907013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	9.71		Pn	20:37:19.776	0.4					T__				m_e	
ARSA	4.43		Sn	20:36:54.124	-1.9					T__				m_e	
ARSA	4.43		Pn	20:36:07.045	-1.4					T__				m_e	ML 3.7
BALST	8.17		Pn	20:36:57.959	-0.7					T__				m_e	
BERGE	8.16		Pn	20:36:58.068	-0.5					T__				m_e	
BFO	8.33		Pn	20:36:59.965	-0.9					T__				m_e	
CKRC	6.19		Sn	20:37:35.379	-1.7					T__				m_e	
CKRC	6.19		Pn	20:36:32.000	-0.1					T__				m_e	ML 4.1
DAVA	6.87		Pn	20:36:42.303	1.0					T__				m_e	ML 4.5
DPC	7.35		Pn	20:36:48.928	1.3					T__				m_e	
ECH	8.92		Sn	20:38:39.713	-1.0					T__				m_e	
ECH	8.92		Pn	20:37:08.048	-0.8					T__				m_e	
EMING	7.80		Pn	20:36:53.855	0.2					T__				m_e	
FUR	6.74		Pn	20:36:39.631	0.2					T__				m_e	
GEC2	6.38		Sn	20:37:40.427	-1.0					T__				m_e	
GEC2	6.38		Pn	20:36:34.249	-0.4					T__				m_e	ML 4.0
JAVC	5.81		Sn	20:37:28.713	0.6					T__				m_e	
JAVC	5.81		Pn	20:36:27.717	0.8					T__				m_e	ML 4.0
KAST	10.25		Pn	20:37:28.076	1.4					T__				m_e	
KBA	5.00		Sn	20:37:09.711	0.4					T__				m_e	
KBA	5.00		Pn	20:36:16.325	0.2					T__				m_e	ML 4.1
KHC	6.67		Sn	20:37:47.734	-0.6					T__				m_e	
KHC	6.67		Pn	20:36:38.391	-0.2					T__				m_e	ML 4.0
KRUC	6.06		Sn	20:37:32.970	-1.1					T__				m_e	
KRUC	6.06		Pn	20:36:29.570	-0.8					T__				m_e	ML 3.8
MANZ	7.88		Pn	20:36:54.436	-0.4					T__				m_e	ML 4.1
MANZ	7.88		Sn	20:38:16.608	0.1					T__				m_e	
METMA	8.03		Sn	20:38:18.164	-1.8					T__				m_e	
METMA	8.03		Pn	20:36:56.179	-0.6					T__				m_e	
MILB	8.85		Pn	20:37:08.143	0.3					T__				m_e	
MOA	5.32		Sn	20:37:17.156	0.4					T__				m_e	
MOA	5.32		Pn	20:36:20.478	0.1					T__				m_e	ML 4.1
MORC	6.72		Sn	20:37:49.851	0.3					T__				m_e	
MORC	6.72		Pn	20:36:39.257	-0.0					T__				m_e	ML 4.8
MOX	8.61		Sn	20:38:34.608	1.1					T__				m_e	
MOX	8.61		Pn	20:37:04.598	-0.0					T__				m_e	
NORI	7.44		Pn	20:36:48.442	-0.5					T__				m_e	
OBKA	4.06		Pn	20:36:02.626	-0.7					T__				m_e	ML 4.3

OKC	6.80	Sn	20:37:53.783	2.6	T__	m_e	ML	3.9
PLONS	7.03	Sn	20:37:59.069	2.5	T__	m_e		
PLONS	7.03	Pn	20:36:44.531	1.2	T__	m_e	ML	4.1
RIVT	9.98	Pn	20:37:23.931	0.8	T__	m_e		
RJOB	5.75	Pn	20:36:26.477	0.3	T__	m_e		
ROTZ	7.66	Sn	20:38:10.064	-1.2	T__	m_e		
ROTZ	7.66	Pn	20:36:51.340	-0.5	T__	m_e	ML	4.2
SPAHL	9.22	Pn	20:37:12.634	-0.2	T__	m_e		
STU	8.16	Pn	20:36:58.341	-0.2	T__	m_e		
SULZ	8.01	Pn	20:36:56.588	-0.0	T__	m_e		
TNS	9.51	Sn	20:38:54.600	0.1	T__	m_e		
TNS	9.51	Pn	20:37:16.559	-0.2	T__	m_e		
UBR	6.99	Pn	20:36:42.461	-0.3	T__	m_e		
VRAC	6.29	Sn	20:37:38.802	-0.6	T__	m_e	ML	3.7
WET	6.90	Pn	20:36:41.829	0.2	T__	m_e	ML	4.0
WET	6.90	Sn	20:37:53.975	0.4	T__	m_e		
WILA	7.49	Pn	20:36:49.770	0.1	T__	m_e		
WTTA	5.93	Sn	20:37:34.115	3.2	T__	m_e		
WTTA	5.93	Pn	20:36:28.251	-0.3	T__	m_e	ML	4.5

Event 80908002 Yunnan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/08	02:31:35.63			23.5360	100.7460				10.0					69.71	75.28	m i ke	BGR
80908008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80908008
Ms	5.6		BGR	80908008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	74.44	P		02:43:13.433		74.6		6.00		TAS		18.8	0.96	m_e	mb	5.1
BFO	74.34	P		02:43:11.954		74.6		6.00		TAS		14.3	1.14	m_e	mb	4.9
BRG	70.15	P		02:42:47.386		74.6		6.00		TAS		19.9	1.38	m_e	mb	5.1
BSEG	71.57	P		02:42:56.676		74.6		6.00		TAS		56.7	1.23	m_e	mb	5.6
BUG	74.05	P		02:43:10.437		74.6		6.00		TAS		68.5	1.70	m_e	mb	5.4
CLL	70.62	P		02:42:49.875		74.6		6.00		TAS		33.5	1.65	m_e	mb	5.2
CLZ	72.08	P		02:42:59.248		74.6		6.00		TAS		22.2	0.94	m_e	mb	5.3
FLT1	71.44	P		02:42:54.383		74.6		6.00		TAS		42.7	1.67	m_e	mb	5.3
FUR	72.51	P		02:43:01.859		74.6		6.00		TAS		40.5	1.35	m_e	mb	5.4
GEC2	70.77	P		02:42:51.342		74.6		6.00		TAS		33.8	1.53	m_e	mb	5.2
GOR1	71.23	P		02:42:53.957		74.6		6.00		TAS		75.7	1.45	m_e	mb	5.6
GRA1	72.13	P		02:42:59.644		74.6		6.00		TAS		46.3	1.30	m_e	mb	5.5
GRA1	72.13	L		03:16:44.767						T__		2938.0	20.30	a_e	Ms	5.5
GTTG	72.40	P		02:43:00.870		74.6		6.00		TAS		14.7	0.87	m_e	mb	5.1
KAST	73.43	P		02:43:07.054		74.6		6.00		TAS		10.8	1.21	m_e	mb	4.8

MANZ	71.50	P	02:42:55.773	74.6	6.00	TAS	7.9	1.74	m_e	mb	4.6
MOX	71.64	P	02:42:56.383	74.6	6.00	TAS	31.5	1.45	m_e	mb	5.2
MOX	71.64	L	03:15:45.942			T__	3819.5	20.70	a_e	Ms	5.7
NEUB	71.40	P	02:42:54.825	74.6	6.00	TAS	30.2	1.23	m_e	mb	5.3
NRDL	72.06	P	02:42:59.280	74.6	6.00	TAS	68.1	1.52	m_e	mb	5.5
PLN	71.34	P	02:42:54.621	74.6	6.00	TAS	7.8	1.00	m_e	mb	4.8
RETH	72.44	P	02:43:01.161	74.6	6.00	TAS	42.6	1.52	m_e	mb	5.3
RGN	69.71	P	02:42:43.569	74.6	6.00	TAS	210.9	1.20	m_e	mb	6.1
RJOB	71.63	P	02:42:56.455	74.6	6.00	TAS	11.8	0.88	m_e	mb	5.0
ROTZ	71.49	P	02:42:55.914	74.6	6.00	TAS	11.0	1.34	m_e	mb	4.8
RUE	69.89	P	02:42:45.694	74.6	6.00	TAS	33.6	1.03	m_e	mb	5.4
STU	73.66	P	02:43:08.419	74.6	6.00	TAS	66.8	0.94	m_e	mb	5.7
TANN	71.17	P	02:42:53.518	74.6	6.00	TAS	22.7	1.43	m_e	mb	5.1
TNS	73.70	P	02:43:08.436	74.6	6.00	TAS	14.3	0.86	m_e	mb	5.0
UBBA	72.58	P	02:43:01.781	74.6	6.00	TAS	25.4	1.33	m_e	mb	5.2
UBR	73.39	P	02:43:06.427	74.6	6.00	TAS	25.2	1.35	m_e	mb	5.2
WET	71.22	P	02:42:54.173	74.6	6.00	TAS	25.0	1.44	m_e	mb	5.1
WLF	75.28	P	02:43:18.545	74.6	6.00	TAS	57.7	1.16	m_e	mb	5.5

Event 80908003 Mindanao, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/08	07:17:04.05			9.6560	124.2140				10.0			24		94.52	100.06	m i ke	BGR
	80908009																

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	80908009
Ms	6.1		BGR	80908009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	99.39	P		07:30:45.373		66.1		4.49		TAS		86.2	2.34	m_e	mb	6.1
BRG	95.02	P		07:30:26.226	-0.5	66.1		4.49		TAS		111.5	1.62	m_e	mb	6.0
BUG	98.61	P		07:30:42.219		66.1		4.49		TAS		139.0	1.88	m_e	mb	6.4
CLL	95.41	P		07:30:27.519	-0.1	66.1		4.49		TAS		105.7	1.72	m_e	mb	6.0
CLZ	96.69	P		07:30:33.760	0.0	66.1		4.49		TAS		66.0	1.08	m_e	mb	6.2
FLT1	96.01	P		07:30:30.209	-0.0	66.1		4.49		TAS		35.7	1.01	m_e	mb	5.8
GEC2	95.92	P		07:30:30.399	-0.0	66.1		4.49		TAS		99.7	1.72	m_e	mb	6.1
GOR1	95.70	P		07:30:29.160	0.1	66.1		4.49		TAS		428.7	2.44	m_e	mb	6.5
GRA1	97.09	P		07:30:35.819	-0.1	66.1		4.49		TAS		161.5	2.23	m_e	mb	6.3
GRA1	97.09	L		08:19:17.817						T__		7051.2	21.30	a_e	Ms	6.1
GTTG	97.05	P		07:30:35.363	-0.3	66.1		4.49		TAS		108.7	1.45	m_e	mb	6.3
KAST	98.07	P		07:30:40.095		66.1		4.49		TAS		90.0	1.93	m_e	mb	6.2
MANZ	96.45	P		07:30:33.045	0.2	66.1		4.49		TAS		23.1	1.70	m_e	mb	5.4
MOX	96.47	P		07:30:32.701	0.0	66.1		4.49		TAS		82.2	1.54	m_e	mb	6.0
MOX	96.47	L		08:20:13.939						T__		7003.5	20.10	a_e	Ms	6.1
NRDL	96.57	P		07:30:33.423	-0.2	66.1		4.49		TAS		90.6	1.35	m_e	mb	6.2

PLN	96.22	P	07:30:31.570	-0.1	66.1	4.49	TAS	100.8	1.73	m_e	mb	6.1
RETH	96.87	P	07:30:34.561	0.3	66.1	4.49	TAS	269.6	2.06	m_e	mb	6.5
RJOB	96.90	P	07:30:34.517	-0.1	66.1	4.49	TAS	105.0	2.43	m_e	mb	6.0
ROTZ	96.47	P	07:30:33.004	-0.0	66.1	4.49	TAS	24.1	1.81	m_e	mb	5.4
RUE	94.52	P	07:30:24.196	-0.0	66.1	4.49	TAS	118.6	1.14	m_e	mb	6.2
TANN	96.07	P	07:30:30.912	0.3	66.1	4.49	TAS	77.9	1.71	m_e	mb	6.0
UBBA	97.34	P	07:30:36.510	-0.5	66.1	4.49	TAS	65.5	1.60	m_e	mb	6.0
UBR	98.59	P	07:30:42.009		66.1	4.49	TAS	43.3	1.30	m_e	mb	6.0
WET	96.31	P	07:30:32.312	0.2	66.1	4.49	TAS	93.3	1.82	m_e	mb	6.0
WLF	100.06	P	07:30:49.381		66.1	4.49	TAS	56.8	1.24	m_e	mb	6.1

Event 80908004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/08	10:02:45.68			-22.6300	171.1200				10.0			31		145.50	150.91	m i ke	BGR
80908010																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.3		BGR	80908010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.47		PKPbc	10:22:34.963	-0.1	36.0		2.74		TAS				m_e	
BFO	150.91		PKPbc	10:22:37.845		36.0		2.74		TAS				m_e	
BRG	146.67		PKPbc	10:22:27.052	-0.0	36.0		2.74		TAS				m_e	
BSEG	145.53		PKPbc	10:22:23.269	-0.6	36.0		2.74		TAS				m_e	
BUG	148.63		PKPbc	10:22:32.317	0.2	36.0		2.74		TAS				m_e	
CLL	146.72		PKPbc	10:22:26.937	-0.1	36.0		2.74		TAS				m_e	
CLZ	147.27		PKPbc	10:22:28.989	0.4	36.0		2.74		TAS				m_e	
FLT1	146.56		PKPbc	10:22:26.342	-0.2	36.0		2.74		TAS				m_e	
FUR	149.87		PKPbc	10:22:35.744	0.2	36.0		2.74		TAS				m_e	
GEC2	148.29		PKPbc	10:22:31.619	0.3	36.0		2.74		TAS				m_e	
GOR1	145.99		PKPbc	10:22:25.106	0.0	36.0		2.74		TAS				m_e	
GRA1	148.69		PKPbc	10:22:32.952	0.2	36.0		2.74		TAS				m_e	
GRA1	148.69		L	11:29:21.003						T__		492.2	21.80	a_e	Ms 5.3
GTTG	147.65		PKPbc	10:22:30.089	-0.2	36.0		2.74		TAS				m_e	
IBBN	147.73		PKPbc	10:22:29.843	0.1	36.0		2.74		TAS				m_e	
KAST	148.47		PKPbc	10:22:32.083	-0.2	36.0		2.74		TAS				m_e	
MANZ	148.11		PKPbc	10:22:31.331	0.5	36.0		2.74		TAS				m_e	
MOX	147.78		PKPbc	10:22:30.103	0.3	36.0		2.74		TAS				m_e	
MOX	147.78		L	11:28:52.878						T__		555.6	21.60	a_e	Ms 5.3
NEUB	147.28		PKPbc	10:22:28.784	0.3	36.0		2.74		TAS				m_e	
NRDL	146.81		PKPbc	10:22:27.376	0.4	36.0		2.74		TAS				m_e	
PLN	147.69		PKPbc	10:22:30.029	0.4	36.0		2.74		TAS				m_e	
RETH	146.85		PKPbc	10:22:27.422	0.2	36.0		2.74		TAS				m_e	
RJOB	149.52		PKPbc	10:22:34.486	-0.1	36.0		2.74		TAS				m_e	
ROTZ	148.24		PKPbc	10:22:31.770	0.1	36.0		2.74		TAS				m_e	

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RUE	145.50	PKPbc	10:22:23.202	0.0	36.0	2.74	TAS	m_e
STU	150.22	PKPbc	10:22:36.607	-0.5	36.0	2.74	TAS	m_e
TANN	147.63	PKPbc	10:22:29.888	0.2	36.0	2.74	TAS	m_e
TNS	149.29	PKPbc	10:22:34.327	-0.6	36.0	2.74	TAS	m_e
UBBA	148.24	PKPbc	10:22:31.571	-0.1	36.0	2.74	TAS	m_e
UBR	150.74	PKPbc	10:22:37.735		36.0	2.74	TAS	m_e
WET	148.43	PKPbc	10:22:32.244	0.4	36.0	2.74	TAS	m_e
WLF	150.53	PKPbc	10:22:37.849	-0.7	36.0	2.74	TAS	m_e

Event 80908006 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/08	14:49:10.53			-22.5210	172.5360				33.0			19		145.87	151.33	m i k e	BGR
80908012																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.1		BGR	80908012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	151.33		PKPbc	15:09:00.936		35.2		2.66		TAS				m_e	
BRG	147.15		PKPbc	15:08:50.286	-0.2	35.2		2.66		TAS				m_e	
BSEG	145.87		PKPbc	15:08:46.915	0.1	35.2		2.66		TAS				m_e	
CLL	147.16		PKPbc	15:08:49.704	0.7	35.2		2.66		TAS				m_e	
CLZ	147.65		PKPbc	15:08:52.584	0.5	35.2		2.66		TAS				m_e	
FLT1	146.95		PKPbc	15:08:49.835	-0.8	35.2		2.66		TAS				m_e	
GEC2	148.82		PKPbc	15:08:55.037		35.2		2.66		TAS				m_e	
GOR1	146.37		PKPbc	15:08:48.530	-0.1	35.2		2.66		TAS				m_e	
GRA1	149.14		L	15:41:25.654						T__		252.9	18.30	a_e Ms	5.0
GTTG	148.03		PKPbc	15:08:53.421	0.0	35.2		2.66		TAS				m_e	
MOX	148.22		PKPbc	15:08:53.407	0.0	35.2		2.66		TAS				m_e	
MOX	148.22		L	15:33:36.705						T__		412.0	20.30	a_e Ms	5.2
NEUB	147.71		PKPbc	15:08:52.761	0.4	35.2		2.66		TAS				m_e	
NRDL	147.17		PKPbc	15:08:50.485	0.8	35.2		2.66		TAS				m_e	
PLN	148.14		PKPbc	15:08:53.485	0.0	35.2		2.66		TAS				m_e	
RJOB	150.06		PKPbc	15:08:58.361		35.2		2.66		TAS				m_e	
ROTZ	148.70		PKPbc	15:08:54.595	-0.7	35.2		2.66		TAS				m_e	
RUE	145.94		PKPbc	15:08:46.685	-0.4	35.2		2.66		TAS				m_e	
TANN	148.09		PKPbc	15:08:53.090	0.1	35.2		2.66		TAS				m_e	
UBR	151.21		PKPbc	15:09:01.073		35.2		2.66		TAS				m_e	
WET	148.93		PKPbc	15:08:55.510		35.2		2.66		TAS				m_e	

Event 80908007 South of Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
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OrigID
 2018/09/08 22:27:29.71 -24.1970 -174.6820 10.0 16 150.06 156.26 m i ke BGR
 80908013

Magnitude Err Nsta Author OrigID
 Ms 5.4 BGR 80908013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	155.80		PKPab	22:47:50.569		12.4		2.19		TAS				m_e	
BRG	152.54		PKPbc	22:47:26.682	-0.0	12.4		2.19		TAS				m_e	
BSEG	150.06		PKPbc	22:47:21.044	-0.0	12.4		2.19		TAS				m_e	
CLL	152.29		PKPbc	22:47:25.959	-0.1	12.4		2.19		TAS				m_e	
CLZ	152.13		PKPbc	22:47:26.029	0.1	12.4		2.19		TAS				m_e	
FLT1	151.55		PKPbc	22:47:24.247	0.4	12.4		2.19		TAS				m_e	
FUR	155.62		PKPab	22:47:49.861		12.4		2.19		TAS				m_e	
GEC2	154.53		PKPdf	22:47:21.789		12.4		2.19		TAS				m_e	
GEC2	154.53		PKPbc	22:47:30.993		12.4		2.19		TAS				m_e	
GOR1	150.89		PKPbc	22:47:23.038	-0.0	12.4		2.19		TAS				m_e	
GRA1	154.13		PKPdf	22:47:22.165		12.4		2.19		TAS				m_e	
GRA1	154.13		PKPab	22:47:43.371		12.4		2.19		TAS				m_e	
GRA1	154.13		L	00:06:46.863						T__		626.5	18.50	a_e Ms	5.5
IBBN	151.87		PKPbc	22:47:25.279	-0.1	12.4		2.19		TAS				m_e	
KAST	152.93		PKPbc	22:47:27.501	-0.0	12.4		2.19		TAS				m_e	
MANZ	153.72		PKPdf	22:47:20.521		12.4		2.19		TAS				m_e	
MANZ	153.72		PKPbc	22:47:29.205		12.4		2.19		TAS				m_e	
MANZ	153.72		PKPab	22:47:41.279		12.4		2.19		TAS				m_e	
MANZ	153.72		PP	22:51:13.296						T__				m_e	
MOX	153.15		PKPbc	22:47:27.776		12.4		2.19		TAS				m_e	
MOX	153.15		PP	22:51:10.795						T__				m_e	
MOX	153.15		L	00:01:53.064						T__		604.4	19.80	a_e Ms	5.4
NRDL	151.51		PKPbc	22:47:24.380	-0.0	12.4		2.19		TAS				m_e	
PLN	153.22		PKPdf	22:47:20.345		12.4		2.19		TAS				m_e	
RETH	151.34		PKPbc	22:47:23.981	-0.1	12.4		2.19		TAS				m_e	
RJOB	155.77		PKPab	22:47:50.683		12.4		2.19		TAS				m_e	
ROTZ	153.91		PKPbc	22:47:29.437		12.4		2.19		TAS				m_e	
ROTZ	153.91		PP	22:51:14.823						T__				m_e	
RUE	151.04		PKPbc	22:47:23.259	0.1	12.4		2.19		TAS				m_e	
TANN	153.25		PKPbc	22:47:28.079		12.4		2.19		TAS				m_e	
UBR	156.26		PKPdf	22:47:23.118		12.4		2.19		TAS				m_e	
WET	154.40		PKPab	22:47:43.720		12.4		2.19		TAS				m_e	
WLF	154.57		PKPab	22:47:44.701		12.4		2.19		TAS				m_e	

Event 80909001 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/09/09 00:06:28.35 -24.1620 179.9640 516.1 11.2 23 149.27 155.18 m i ke BGR

80909007

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	154.99		PKPbc	00:25:31.155		23.1		2.20		TAS					m_e	
BFO	154.99		PKPab	00:25:50.877		23.1		2.20		TAS					m_e	
BRG	151.22		PKPdf	00:25:16.262		23.1		2.20		TAS					m_e	
BRG	151.22		PKPbc	00:25:23.415	0.1	23.1		2.20		TAS					m_e	
BRG	151.22		pPKPbc	00:27:24.197						T__					m_e	
BSEG	149.27		PKPbc	00:25:18.895	0.2	23.1		2.20		TAS					m_e	
CLL	151.09		PKPbc	00:25:23.019	0.3	23.1		2.20		TAS					m_e	
CLZ	151.23		PKPdf	00:25:16.358		23.1		2.20		TAS					m_e	
CLZ	151.23		PKPbc	00:25:23.601	-0.0	23.1		2.20		TAS					m_e	
CLZ	151.23		pPKPbc	00:27:24.287						T__					m_e	
FLT1	150.59		PKPbc	00:25:21.504	0.1	23.1		2.20		TAS					m_e	
FLT1	150.59		pPKPbc	00:27:22.191						T__					m_e	
FUR	154.42		PKPdf	00:25:20.337		23.1		2.20		TAS					m_e	
FUR	154.42		PKPab	00:25:49.459		23.1		2.20		TAS					m_e	
FUR	154.42		pPKPab	00:27:41.820						T__					m_e	
GEC2	153.09		PKPdf	00:25:18.619		23.1		2.20		TAS					m_e	
GEC2	153.09		PKPbc	00:25:26.923		23.1		2.20		TAS					m_e	
GEC2	153.09		PKPab	00:25:43.710		23.1		2.20		TAS					m_e	
GEC2	153.09		pPKPbc	00:27:30.217						T__					m_e	
GOR1	149.96		PKPbc	00:25:20.614	-0.3	23.1		2.20		TAS					m_e	
GOR1	149.96		pPKPbc	00:27:21.794						T__					m_e	
GRA1	153.04		PKPab	00:25:43.146		23.1		2.20		TAS					m_e	
GRA1	153.04		pPKPbc	00:27:28.050						T__					m_e	
GTTG	151.60		PKPdf	00:25:16.797		23.1		2.20		TAS					m_e	
GTTG	151.60		PKPbc	00:25:24.213	-0.5	23.1		2.20		TAS					m_e	
GTTG	151.60		PKPab	00:25:36.784		23.1		2.20		TAS					m_e	
GTTG	151.60		pPKPbc	00:27:25.036						T__					m_e	
HLG	149.44		PKPab	00:25:28.335		23.1		2.20		TAS					m_e	
IBBN	151.27		PKPbc	00:25:23.456	0.2	23.1		2.20		TAS					m_e	
IBBN	151.27		PKPab	00:25:35.534		23.1		2.20		TAS					m_e	
IBBN	151.27		pPKPbc	00:27:23.868						T__					m_e	
KAST	152.23		PKPbc	00:25:25.454	0.8	23.1		2.20		TAS					m_e	
KAST	152.23		PKPab	00:25:39.255		23.1		2.20		TAS					m_e	
KAST	152.23		pPKPbc	00:27:26.345						T__					m_e	
MANZ	152.53		PKPdf	00:25:18.078		23.1		2.20		TAS					m_e	
MANZ	152.53		pPKPbc	00:27:27.132						T__					m_e	
MOX	152.06		PKPdf	00:25:17.241		23.1		2.20		TAS					m_e	
MOX	152.06		PKPbc	00:25:24.770	0.1	23.1		2.20		TAS					m_e	
MOX	152.06		PKPab	00:25:38.515		23.1		2.20		TAS					m_e	
MOX	152.06		pPKPbc	00:27:25.808						T__					m_e	
NEUB	151.51		PKPbc	00:25:23.767	-0.2	23.1		2.20		TAS					m_e	
NEUB	151.51		PKPab	00:25:36.238		23.1		2.20		TAS					m_e	
NEUB	151.51		pPKPbc	00:27:24.772						T__					m_e	
NRDL	150.67		PKPbc	00:25:22.048	-0.1	23.1		2.20		TAS					m_e	

NRDL	150.67	PKPab	00:25:32.545		23.1	2.20	TAS		m_e
NRDL	150.67	pPKPbc	00:27:22.273				T__		m_e
PLN	152.06	PKPbc	00:25:25.092	-0.1	23.1	2.20	TAS		m_e
PLN	152.06	PKPab	00:25:38.670		23.1	2.20	TAS		m_e
PLN	152.06	pPKPbc	00:27:25.316				T__		m_e
RETH	150.59	PKPbc	00:25:21.665	-0.0	23.1	2.20	TAS		m_e
RETH	150.59	pPKPbc	00:27:22.420				T__		m_e
RJOB	154.35	PKPab	00:25:49.249		23.1	2.20	TAS		m_e
RJOB	154.35	pPKPab	00:27:41.401				T__		m_e
ROTZ	152.71	PKPbc	00:25:26.323	-0.1	23.1	2.20	TAS		m_e
ROTZ	152.71	PKPab	00:25:41.684		23.1	2.20	TAS		m_e
ROTZ	152.71	pPKPbc	00:27:27.036				T__		m_e
RUE	149.83	PKPbc	00:25:20.361	-0.3	23.1	2.20	TAS		m_e
STU	154.38	PKPdf	00:25:20.646		23.1	2.20	TAS		m_e
STU	154.38	PKPbc	00:25:30.076		23.1	2.20	TAS		m_e
STU	154.38	PKPab	00:25:48.654		23.1	2.20	TAS		m_e
TANN	152.05	PKPdf	00:25:17.226		23.1	2.20	TAS		m_e
TANN	152.05	PKPbc	00:25:24.523	-0.1	23.1	2.20	TAS		m_e
TANN	152.05	pPKPbc	00:27:25.999				T__		m_e
TNS	153.16	PKPbc	00:25:27.369		23.1	2.20	TAS		m_e
UBBA	152.28	PKPab	00:25:39.319		23.1	2.20	TAS		m_e
UBBA	152.28	pPKPbc	00:27:26.779				T__		m_e
UBR	155.18	PKPdf	00:25:21.264		23.1	2.20	TAS		m_e
UBR	155.18	PKPab	00:25:52.660		23.1	2.20	TAS		m_e
WET	153.08	PKPdf	00:25:18.663		23.1	2.20	TAS		m_e
WET	153.08	PKPbc	00:25:28.075		23.1	2.20	TAS		m_e
WET	153.08	PKPab	00:25:43.536		23.1	2.20	TAS		m_e
WET	153.08	pPKPbc	00:27:30.528				T__		m_e
WLF	154.09	PKPbc	00:25:30.445		23.1	2.20	TAS		m_e
WLF	154.09	PKPab	00:25:47.735		23.1	2.20	TAS		m_e

Event 80909002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/09	13:55:18.05			43.4720	142.1080				33.0			20		74.56	79.95	m i ke	BGR
80909008																	

Magnitude Err Nsta Author OrigID
mb 5.0 BGR 80909008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.51		P	14:07:14.254		34.2		5.59		TAS		14.0	0.78	m_e mb	5.1
BFO	79.95		P	14:07:21.928		34.2		5.59		TAS		24.0	1.57	m_e mb	4.9
BRG	75.80		P	14:06:58.778		34.2		5.59		TAS		6.2	0.97	m_e mb	4.7
BSEG	74.57		P	14:06:52.310	-0.4	34.2		5.59		TAS		18.5	0.80	m_e mb	5.2
BUG	77.68		P	14:07:09.460		34.2		5.59		TAS		14.7	0.78	m_e mb	5.2

CLL	75.79	P	14:06:58.515	-0.3	34.2	5.59	TAS	17.9	0.90	m_e	mb	5.2
CLZ	76.29	P	14:07:02.086	-0.1	34.2	5.59	TAS	18.2	0.85	m_e	mb	5.2
FLT1	75.59	P	14:06:57.424	0.1	34.2	5.59	TAS	21.4	0.82	m_e	mb	5.3
GEC2	77.53	P	14:07:08.605		34.2	5.59	TAS	5.1	0.87	m_e	mb	4.7
GRA1	77.77	P	14:07:10.482		34.2	5.59	TAS	22.9	0.87	m_e	mb	5.3
GTTG	76.68	P	14:07:04.035	-0.0	34.2	5.59	TAS	14.1	0.84	m_e	mb	5.1
IBBN	76.78	P	14:07:04.425		34.2	5.59	TAS	16.3	0.75	m_e	mb	5.2
KAST	77.50	P	14:07:08.460		34.2	5.59	TAS	9.5	0.93	m_e	mb	4.9
MANZ	77.20	P	14:07:06.822	0.3	34.2	5.59	TAS	1.8	0.95	m_e	mb	4.2
MOX	76.84	P	14:07:04.799	0.0	34.2	5.59	TAS	13.7	1.27	m_e	mb	4.9
NEUB	76.33	P	14:07:01.749	-0.1	34.2	5.59	TAS	18.3	0.76	m_e	mb	5.3
NRDL	75.84	P	14:06:59.264	0.1	34.2	5.59	TAS	9.5	0.85	m_e	mb	5.0
PLN	76.77	P	14:07:04.035		34.2	5.59	TAS	6.9	1.17	m_e	mb	4.7
RETH	75.89	P	14:06:59.507	-0.1	34.2	5.59	TAS	15.7	1.06	m_e	mb	5.1
RJOB	78.79	P	14:07:15.994		34.2	5.59	TAS	10.1	0.86	m_e	mb	4.9
ROTZ	77.35	P	14:07:08.004		34.2	5.59	TAS	2.1	0.92	m_e	mb	4.3
RUE	74.56	P	14:06:52.130	0.2	34.2	5.59	TAS	22.2	0.60	m_e	mb	5.4
STU	79.27	P	14:07:18.231		34.2	5.59	TAS	43.2	1.00	m_e	mb	5.4
WET	77.60	P	14:07:09.511		34.2	5.59	TAS	13.2	1.00	m_e	mb	5.0

Event 80909003 Bougainville - Solomon Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/09	19:31:35.90			-10.0200	161.4300				75.0			33		128.88	135.64	m i ke	EMSC
OrigID 80909035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.2		BGR	80909009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	134.40		PKPdf	19:50:30.210	0.1	42.3		1.99		TAS				a_e	
AHRW	134.40		PP	19:53:14.813	0.3	40.4		6.40		TAS				a_e	
BFO	135.64		PKPdf	19:50:31.810	0.0	42.3		1.99		TAS				a_e	
BFO	135.64		PP	19:53:22.563	0.0	40.4		6.40		TAS				a_e	
BRG	131.30		PKPdf	19:50:23.660	-0.1	42.3		1.99		TAS				a_e	
BRG	131.30		PP	19:52:55.013	0.0	40.4		6.40		TAS				a_e	
BSEG	130.49		PKPdf	19:50:21.960		42.3		1.99		TAS				a_e	
BSEG	130.49		PP	19:52:49.813	0.2	40.4		6.40		TAS				a_e	
BUG	133.60		PKPdf	19:50:28.010	-0.0	42.3		1.99		TAS				a_e	
BUG	133.60		PP	19:53:09.063	-0.4	40.4		6.40		TAS				a_e	
CLL	131.40		PKPdf	19:50:23.610	-0.0	42.3		1.99		TAS				a_e	
CLL	131.40		PP	19:52:55.313	-0.2	40.4		6.40		TAS				a_e	
CLZ	132.09		PKPdf	19:50:25.460	0.1	42.3		1.99		TAS				a_e	
CLZ	132.09		PP	19:53:00.213	0.5	40.4		6.40		TAS				a_e	
FLT1	131.37		PKPdf	19:50:23.510	-0.4	42.3		1.99		TAS				a_e	
FLT1	131.37		PP	19:52:54.863	-0.3	40.4		6.40		TAS				a_e	

FUR	134.46	PKPdf	19:50:29.810	0.1	42.3	1.99	TAS	m_e		
FUR	134.46	PP	19:53:15.113	-0.3	40.4	6.40	TAS	a_e		
GEC2	132.84	PKPdf	19:50:26.560	0.2	42.3	1.99	TAS	a_e		
GEC2	132.84	PP	19:53:05.213	-0.1	40.4	6.40	TAS	m_e		
GOR1	130.84	PKPdf	19:50:22.960	0.5	42.3	1.99	TAS	a_e		
GOR1	130.84	PP	19:52:51.663	-0.1	40.4	6.40	TAS	a_e		
GRA1	133.36	PKPdf	19:50:27.760	-0.3	42.3	1.99	TAS	m_e		
GRA1	133.36	PP	19:53:08.313	0.2	40.4	6.40	TAS	a_e		
GRA1	133.36	L	20:53:26.620				T__		4672.2	21.10
GTTG	132.48	PKPdf	19:50:26.060	0.0	42.3	1.99	TAS	a_e	Ms	6.2
GTTG	132.48	PP	19:53:02.563	0.3	40.4	6.40	TAS	a_e		
HLG	131.16	PKPdf	19:50:23.260	-0.2	42.3	1.99	TAS	a_e		
HLG	131.16	PP	19:52:54.313	0.2	40.4	6.40	TAS	a_e		
IBBN	132.72	PKPdf	19:50:26.510	-0.4	42.3	1.99	TAS	a_e		
IBBN	132.72	PP	19:53:03.713	-0.2	40.4	6.40	TAS	a_e		
KAST	133.36	PKPdf	19:50:27.810	0.3	42.3	1.99	TAS	a_e		
KAST	133.36	PP	19:53:07.963	0.1	40.4	6.40	TAS	a_e		
MANZ	132.75	PKPdf	19:50:26.610	-0.1	42.3	1.99	TAS	m_e		
MANZ	132.75	PP	19:53:04.663	0.4	40.4	6.40	TAS	a_e		
MOX	132.48	PKPdf	19:50:26.010	0.1	42.3	1.99	TAS	a_e		
MOX	132.48	PP	19:53:02.613	0.2	40.4	6.40	TAS	a_e		
MOX	132.48	L	20:48:56.814				T__		5150.5	21.60
NEUB	132.01	PKPdf	19:50:24.860	0.0	42.3	1.99	TAS	a_e	Ms	6.2
NEUB	132.01	PP	19:52:59.013	-0.3	40.4	6.40	TAS	a_e		
NRDL	131.69	PKPdf	19:50:24.560	-0.3	42.3	1.99	TAS	a_e		
NRDL	131.69	PP	19:52:57.313	0.1	40.4	6.40	TAS	a_e		
PLN	132.36	PKPdf	19:50:25.760	0.2	42.3	1.99	TAS	a_e		
PLN	132.36	PP	19:53:01.563	-0.1	40.4	6.40	TAS	a_e		
RETH	131.79	PKPdf	19:50:24.660	-0.1	42.3	1.99	TAS	a_e		
RETH	131.79	PP	19:52:57.713	-0.1	40.4	6.40	TAS	a_e		
RGN	128.88	PP	19:52:39.163	-0.1	40.4	6.40	TAS	a_e		
RJOB	134.04	PKPdf	19:50:28.560	0.2	42.3	1.99	TAS	a_e		
RJOB	134.04	PP	19:53:13.113	-0.0	40.4	6.40	TAS	a_e		
ROTZ	132.87	PKPdf	19:50:26.710	0.1	42.3	1.99	TAS	a_e		
ROTZ	132.87	PP	19:53:05.413	0.4	40.4	6.40	TAS	a_e		
RUE	130.22	PKPdf	19:50:21.410	0.1	42.3	1.99	TAS	a_e		
RUE	130.22	PP	19:52:47.413	-0.5	40.4	6.40	TAS	a_e		
STU	134.93	PKPdf	19:50:30.710	-0.2	42.3	1.99	TAS	a_e		
STU	134.93	PP	19:53:17.863	-0.2	40.4	6.40	TAS	a_e		
TANN	132.28	PKPdf	19:50:25.660	0.1	42.3	1.99	TAS	a_e		
TANN	132.28	PP	19:53:01.563	0.3	40.4	6.40	TAS	a_e		
TNS	134.12	PKPdf	19:50:29.260	0.2	42.3	1.99	TAS	a_e		
TNS	134.12	PP	19:53:12.613	-0.1	40.4	6.40	TAS	a_e		
UBBA	133.03	PKPdf	19:50:27.060	0.3	42.3	1.99	TAS	a_e		
UBBA	133.03	PP	19:53:05.563	-0.2	40.4	6.40	TAS	a_e		
UBR	135.34	PKPdf	19:50:31.310	-0.1	42.3	1.99	TAS	a_e		
UBR	135.34	PP	19:53:20.863	-0.1	40.4	6.40	TAS	a_e		
WET	133.01	PKPdf	19:50:27.110	-0.5	42.3	1.99	TAS	a_e		
WET	133.01	PP	19:53:06.213	0.0	40.4	6.40	TAS	a_e		

WLF	135.46	PKPdf	19:50:32.510	0.0	42.3	1.99	TAS	a_e
WLF	135.46	PP	19:53:21.263	-0.1	40.4	6.40	TAS	a_e

Event 80909005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/09	23:34:17.43			-22.0000	171.5200				33.0			27		145.07	150.49	m i ke	BGR
80909011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.9		BGR	80909011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.49		PKPbc	23:54:05.123		34.9		2.79		TAS				m_e	
BRG	146.27		PKPbc	23:53:54.364	0.0	34.9		2.79		TAS				a_e	
BSEG	145.07		PKPbc	23:53:49.506	-0.5	34.9		2.79		TAS				m_e	
BUG	148.16		PKPbc	23:53:59.714	-0.1	34.9		2.79		TAS				a_e	
CLL	146.31		PKPbc	23:53:54.314	0.0	34.9		2.79		TAS				a_e	
CLZ	146.82		PKPbc	23:53:56.213	0.6	34.9		2.79		TAS				m_e	
FLT1	146.12		PKPbc	23:53:53.714	0.0	34.9		2.79		TAS				a_e	
GEC2	147.92		PKPbc	23:53:59.014	0.1	34.9		2.79		TAS				m_e	
GOR1	145.55		PKPbc	23:53:51.923	0.1	34.9		2.79		TAS				m_e	
GRA1	148.28		L	00:57:34.205						T__		167.1	18.80	a_e Ms	4.8
GTTG	147.21		PKPbc	23:53:57.453	0.4	34.9		2.79		TAS				m_e	
IBBN	147.25		PKPbc	23:53:57.064	0.2	34.9		2.79		TAS				a_e	
MANZ	147.70		PKPbc	23:53:58.714	0.5	34.9		2.79		TAS				a_e	
MOX	147.36		PKPbc	23:53:57.314	0.5	34.9		2.79		TAS				a_e	
MOX	147.36		L	01:09:29.762						T__		220.2	18.00	a_e Ms	5.0
NEUB	146.86		PKPbc	23:53:56.114	-0.1	34.9		2.79		TAS				a_e	
NRDL	146.36		PKPbc	23:53:54.495	0.5	34.9		2.79		TAS				m_e	
PLN	147.28		PKPbc	23:53:57.214	0.5	34.9		2.79		TAS				a_e	
RETH	146.39		PKPbc	23:53:54.653	0.3	34.9		2.79		TAS				m_e	
RJOB	149.15		PKPbc	23:54:01.764		34.9		2.79		TAS				a_e	
ROTZ	147.83		PKPbc	23:53:59.164	0.3	34.9		2.79		TAS				a_e	
RUE	145.09		PKPbc	23:53:50.431	-0.3	34.9		2.79		TAS				m_e	
STU	149.80		PKPbc	23:54:03.914		34.9		2.79		TAS				a_e	
TANN	147.22		PKPbc	23:53:57.314	0.1	34.9		2.79		TAS				a_e	
TNS	148.84		PKPbc	23:54:01.616	-0.8	34.9		2.79		TAS				m_e	
UBBA	147.81		PKPbc	23:53:58.964	-0.1	34.9		2.79		TAS				a_e	
UBR	150.34		PKPbc	23:54:04.864		34.9		2.79		TAS				a_e	
WET	148.04		PKPbc	23:53:59.664	-0.8	34.9		2.79		TAS				a_e	
WLF	150.06		PKPbc	23:54:05.264		34.9		2.79		TAS				a_e	

Event 80910001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/10	04:04:00.43			-18.1330	-178.6320				640.0			22		143.60	149.67	m i ke	BGR
80910007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.35		PKPbc	04:22:38.317		17.6		2.69		TAS					m_e
BRG	145.83		PKPbc	04:22:30.143	0.4	17.6		2.69		TAS					m_e
BSEG	143.60		PKPbc	04:22:23.003	-0.3	17.6		2.69		TAS					m_e
CLL	145.63		PKPbc	04:22:29.492	0.2	17.6		2.69		TAS					m_e
CLZ	145.62		PKPbc	04:22:29.782	-0.6	17.6		2.69		TAS					m_e
FLT1	145.00		PKPbc	04:22:27.398	0.1	17.6		2.69		TAS					m_e
FUR	148.98		PKPbc	04:22:38.508		17.6		2.69		TAS					m_e
GEC2	147.77		PKPbc	04:22:35.042		17.6		2.69		TAS					m_e
GTTG	145.97		PKPbc	04:22:30.752	0.2	17.6		2.69		TAS					m_e
IBBN	145.53		PKPbc	04:22:29.648	0.3	17.6		2.69		TAS					m_e
KAST	146.53		PKPbc	04:22:31.345	-0.2	17.6		2.69		TAS					m_e
MANZ	147.07		PKPbc	04:22:33.494	-1.2	17.6		2.69		TAS					m_e
MOX	146.55		PKPbc	04:22:32.050	0.1	17.6		2.69		TAS					m_e
NEUB	145.99		PKPbc	04:22:30.640	0.4	17.6		2.69		TAS					m_e
NRDL	145.03		PKPbc	04:22:27.747	0.4	17.6		2.69		TAS					m_e
RJOB	149.03		PKPbc	04:22:38.079		17.6		2.69		TAS					m_e
ROTZ	147.26		PKPbc	04:22:34.195	-0.1	17.6		2.69		TAS					m_e
TANN	146.59		PKPbc	04:22:32.441	0.1	17.6		2.69		TAS					m_e
TNS	147.49		PKPbc	04:22:34.983		17.6		2.69		TAS					m_e
UBR	149.67		PKPbc	04:22:40.195		17.6		2.69		TAS					m_e
WET	147.69		PKPbc	04:22:35.135		17.6		2.69		TAS					m_e
WLF	148.31		PKPbc	04:22:37.750		17.6		2.69		TAS					m_e

Event 80910002 South of Kermadec Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/10	04:18:59.10			-32.2600	178.6900				128.6			19		155.41	162.37	m i ke	BGR
80910008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	160.71		PKPdf	04:38:46.525	-0.0	32.5		1.04		TAS					m_e
AHRW	160.71		PKPab	04:39:30.080	-0.2	24.2		4.29		TAS					m_e
AHRW	160.71		PP	04:43:10.607		28.4		5.25		TAS					m_e
BFO	162.37		PKPdf	04:38:47.296		32.5		1.04		TAS					m_e
BFO	162.37		PKPab	04:39:38.054		24.2		4.29		TAS					m_e

BFO	162.37	PP	04:43:20.152		28.4	5.25	TAS	m_e
BRG	158.26	PKPdf	04:38:43.768	0.1	32.5	1.04	TAS	m_e
BRG	158.26	PKPab	04:39:21.209	0.5	24.2	4.29	TAS	m_e
BRG	158.26	PP	04:42:56.924	-0.1	28.4	5.25	TAS	m_e
BSEG	156.79	PKPdf	04:38:41.963	-0.1	32.5	1.04	TAS	m_e
BSEG	156.79	PKPab	04:39:14.475	0.8	24.2	4.29	TAS	m_e
BSEG	156.79	PP	04:42:50.625	0.7	28.4	5.25	TAS	m_e
BUG	159.82	PKPdf	04:38:45.278	-0.2	32.5	1.04	TAS	m_e
BUG	159.82	PKPab	04:39:26.050	0.1	24.2	4.29	TAS	m_e
BUG	159.82	PP	04:43:05.301		28.4	5.25	TAS	m_e
CLL	158.25	PKPdf	04:38:43.361	0.2	32.5	1.04	TAS	m_e
CLL	158.25	PKPab	04:39:20.914	-0.3	24.2	4.29	TAS	m_e
CLZ	158.65	PKPdf	04:38:44.055	0.1	32.5	1.04	TAS	m_e
CLZ	158.65	PKPab	04:39:22.331	0.1	24.2	4.29	TAS	m_e
CLZ	158.65	PP	04:43:00.769	-0.2	28.4	5.25	TAS	m_e
FLT1	157.96	PKPdf	04:38:42.823	-0.2	32.5	1.04	TAS	m_e
FLT1	157.96	PKPab	04:39:19.080	-0.3	24.2	4.29	TAS	m_e
FUR	161.47	PKPdf	04:38:46.829	0.5	32.5	1.04	TAS	m_e
FUR	161.47	PKPab	04:39:35.603	-0.1	24.2	4.29	TAS	m_e
GEC2	159.95	PKPdf	04:38:45.494	-0.3	32.5	1.04	TAS	m_e
GEC2	159.95	PKPab	04:39:28.779	-0.1	24.2	4.29	TAS	m_e
GOR1	157.36	PKPdf	04:38:42.907	-0.4	32.5	1.04	TAS	m_e
GOR1	157.36	PKPab	04:39:15.929	0.1	24.2	4.29	TAS	m_e
GOR1	157.36	PP	04:42:53.857	-1.8	28.4	5.25	TAS	m_e
GRA1	160.23	PKPdf	04:38:45.607	0.1	32.5	1.04	TAS	m_e
GRA1	160.23	PKPab	04:39:29.815	-0.2	24.2	4.29	TAS	m_e
GRA1	160.23	PP	04:43:09.360		28.4	5.25	TAS	m_e
GTTG	159.03	PKPdf	04:38:44.400	0.1	32.5	1.04	TAS	m_e
GTTG	159.03	PKPab	04:39:23.957	0.1	24.2	4.29	TAS	m_e
GTTG	159.03	PP	04:43:02.284	-1.1	28.4	5.25	TAS	m_e
IBBN	158.91	PKPdf	04:38:44.185	0.0	32.5	1.04	TAS	m_e
IBBN	158.91	PKPab	04:39:21.949	0.5	24.2	4.29	TAS	m_e
IBBN	158.91	PP	04:43:01.077	-0.3	28.4	5.25	TAS	m_e
KAST	159.76	PKPdf	04:38:45.095	-0.1	32.5	1.04	TAS	m_e
KAST	159.76	PKPab	04:39:26.591	-0.5	24.2	4.29	TAS	m_e
KAST	159.76	PP	04:43:05.535		28.4	5.25	TAS	m_e
MANZ	159.66	PKPdf	04:38:45.131	-0.1	32.5	1.04	TAS	m_e
MANZ	159.66	PKPab	04:39:27.281	0.2	24.2	4.29	TAS	m_e
MANZ	159.66	PP	04:43:05.714	0.6	28.4	5.25	TAS	m_e
MOX	159.29	PKPdf	04:38:44.700	-0.0	32.5	1.04	TAS	m_e
MOX	159.29	PKPab	04:39:25.055	-0.2	24.2	4.29	TAS	m_e
MOX	159.29	PP	04:43:03.426	-0.3	28.4	5.25	TAS	m_e
NEUB	158.77	PKPdf	04:38:44.185	-0.2	32.5	1.04	TAS	m_e
NEUB	158.77	PKPab	04:39:22.984	-0.7	24.2	4.29	TAS	m_e
NRDL	158.14	PKPdf	04:38:43.229	-0.1	32.5	1.04	TAS	m_e
NRDL	158.14	PKPab	04:39:19.296	-0.1	24.2	4.29	TAS	m_e
NRDL	158.14	PP	04:42:57.585	0.3	28.4	5.25	TAS	m_e
PLN	159.23	PKPdf	04:38:44.658	0.1	32.5	1.04	TAS	m_e
PLN	159.23	PKPab	04:39:25.168	-0.1	24.2	4.29	TAS	m_e

PLN	159.23	PP	04:43:03.617	-0.5	28.4	5.25	TAS	m_e
RETH	158.12	PKPdf	04:38:43.253	-0.2	32.5	1.04	TAS	m_e
RETH	158.12	PKPab	04:39:19.051	-0.2	24.2	4.29	TAS	m_e
RETH	158.12	PP	04:42:57.551	-0.5	28.4	5.25	TAS	m_e
RGN	155.41	PKPdf	04:38:40.744	0.2	32.5	1.04	TAS	m_e
RGN	155.41	PKPab	04:39:08.179	0.1	24.2	4.29	TAS	m_e
RJOB	161.19	PKPdf	04:38:46.647	-0.1	32.5	1.04	TAS	m_e
RJOB	161.19	PKPab	04:39:34.877	0.3	24.2	4.29	TAS	m_e
ROTZ	159.81	PKPdf	04:38:44.904	0.1	32.5	1.04	TAS	m_e
ROTZ	159.81	PKPab	04:39:27.976	-0.9	24.2	4.29	TAS	m_e
RUE	157.01	PKPdf	04:38:42.178	-0.0	32.5	1.04	TAS	m_e
RUE	157.01	PKPab	04:39:15.689	0.1	24.2	4.29	TAS	m_e
STU	161.71	PKPdf	04:38:47.286	-0.2	32.5	1.04	TAS	m_e
STU	161.71	PKPab	04:39:36.177	0.1	24.2	4.29	TAS	m_e
STU	161.71	PP	04:43:16.488		28.4	5.25	TAS	m_e
TANN	159.18	PKPdf	04:38:44.580	0.1	32.5	1.04	TAS	m_e
TANN	159.18	PKPab	04:39:25.177	0.0	24.2	4.29	TAS	m_e
TNS	160.64	PKPdf	04:38:46.123	0.3	32.5	1.04	TAS	m_e
TNS	160.64	PKPab	04:39:30.012	-0.3	24.2	4.29	TAS	m_e
TNS	160.64	PP	04:43:09.962		28.4	5.25	TAS	m_e
UBBA	159.66	PKPdf	04:38:44.952	0.2	32.5	1.04	TAS	m_e
UBBA	159.66	PKPab	04:39:26.064	0.1	24.2	4.29	TAS	m_e
UBBA	159.66	PP	04:43:05.115	0.4	28.4	5.25	TAS	m_e
UBR	162.32	PKPdf	04:38:47.564	-0.5	32.5	1.04	TAS	m_e
UBR	162.32	PKPab	04:39:38.592	0.1	24.2	4.29	TAS	m_e
WET	160.05	PKPdf	04:38:45.146	0.1	32.5	1.04	TAS	m_e
WET	160.05	PKPab	04:39:29.384	0.5	24.2	4.29	TAS	m_e
WET	160.05	pPKPab	04:40:02.563				T__	m_e
WLF	161.74	PKPdf	04:38:47.851	0.2	32.5	1.04	TAS	m_e
WLF	161.74	PKPab	04:39:34.682	0.9	24.2	4.29	TAS	m_e

Event 80910005 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/10	19:31:35.56			-22.5000	170.5000				10.0			32		145.15	150.56	m i ke	BGR
80910011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.2		BGR	80910011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.15		PKPbc	19:51:24.074	-0.6	36.7		2.81		TAS					a_e
BFO	150.56		PKPbc	19:51:26.638		36.7		2.81		TAS					m_e
BRG	146.30		PKPbc	19:51:15.624	-0.2	36.7		2.81		TAS					a_e
BSEG	145.21		PKPbc	19:51:11.874	-0.5	36.7		2.81		TAS					a_e
BUG	148.31		PKPbc	19:51:21.174	0.1	36.7		2.81		TAS					a_e

CLL	146.35	PKPbc	19:51:15.524	0.1	36.7	2.81	TAS	m_e										
CLZ	146.93	PKPbc	19:51:17.724	0.1	36.7	2.81	TAS	a_e										
FLT1	146.22	PKPbc	19:51:14.974	0.0	36.7	2.81	TAS	a_e										
FUR	149.49	PKPbc	19:51:24.233	-0.0	36.7	2.81	TAS	m_e										
GEC2	147.90	PKPbc	19:51:20.424	0.2	36.7	2.81	TAS	a_e										
GOR1	145.66	PKPbc	19:51:13.674	-0.3	36.7	2.81	TAS	a_e										
GRA1	148.33	PKPbc	19:51:21.407	0.3	36.7	2.81	TAS	m_e										
GRA1	148.33	L	21:10:52.204				T__		3619.6	19.30	a_e	Ms					6.2	
GTTG	147.32	PKPbc	19:51:18.774	-0.1	36.7	2.81	TAS	a_e										
HLG	145.75	PKPbc	19:51:13.724	-0.0	36.7	2.81	TAS	a_e										
IBBN	147.41	PKPbc	19:51:18.724	0.3	36.7	2.81	TAS	a_e										
KAST	148.14	PKPbc	19:51:20.974	0.3	36.7	2.81	TAS	a_e										
MANZ	147.74	PKPbc	19:51:20.074	0.4	36.7	2.81	TAS	a_e										
MOX	147.42	PKPbc	19:51:18.768	0.5	36.7	2.81	TAS	m_e										
MOX	147.42	L	21:05:38.694				T__		3433.1	19.60	a_e	Ms					6.1	
NEUB	146.93	PKPbc	19:51:17.424	0.4	36.7	2.81	TAS	a_e										
NRDL	146.48	PKPbc	19:51:16.174	0.0	36.7	2.81	TAS	a_e										
PLN	147.33	PKPbc	19:51:18.774	0.1	36.7	2.81	TAS	a_e										
RETH	146.53	PKPbc	19:51:16.274	0.5	36.7	2.81	TAS	a_e										
RJOB	149.13	PKPbc	19:51:23.274	-0.4	36.7	2.81	TAS	a_e										
ROTZ	147.86	PKPbc	19:51:20.424	0.1	36.7	2.81	TAS	a_e										
RUE	145.15	PKPbc	19:51:11.774	-0.6	36.7	2.81	TAS	a_e										
STU	149.87	PKPbc	19:51:25.524	0.3	36.7	2.81	TAS	a_e										
TANN	147.26	PKPbc	19:51:18.624	0.3	36.7	2.81	TAS	a_e										
TNS	148.95	PKPbc	19:51:23.274	0.5	36.7	2.81	TAS	a_e										
UBBA	147.90	PKPbc	19:51:20.424	0.4	36.7	2.81	TAS	a_e										
UBR	150.36	PKPbc	19:51:26.374	-0.8	36.7	2.81	TAS	a_e										
WET	148.05	PKPbc	19:51:20.924	-0.1	36.7	2.81	TAS	a_e										
WLF	150.21	PKPbc	19:51:26.874	-0.7	36.7	2.81	TAS	a_e										

Event 80910006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/10	20:24:39.56			-18.4300	-177.9100				579.6	2.6		17		144.00	150.10	m i ke	BGR
	80910012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.72		PKPbc	20:43:20.180	0.2	15.1		2.77		TAS					m_e
AHRW	147.72		pPKPbc	20:45:32.962						T__					m_e
BFO	149.75		PKPdf	20:43:19.878		17.4		1.57		TAS					m_e
BFO	149.75		PKPbc	20:43:25.090		15.1		2.77		TAS					m_e
BRG	146.28		PKPdf	20:43:14.598	-0.0	17.4		1.57		TAS					m_e
BRG	146.28		PKPbc	20:43:16.183	0.3	15.1		2.77		TAS					m_e
BSEG	144.00		PKPbc	20:43:08.866	-0.1	15.1		2.77		TAS					m_e

BUG	146.81	PKPbc	20:43:17.237	0.2	15.1	2.77	TAS	m_e
CLL	146.07	PKPbc	20:43:15.486	0.3	15.1	2.77	TAS	m_e
CLZ	146.03	PKPdf	20:43:14.243	-0.1	17.4	1.57	TAS	m_e
CLZ	146.03	PKPbc	20:43:15.630	0.1	15.1	2.77	TAS	m_e
FLT1	145.42	PKPdf	20:43:12.572	0.2	17.4	1.57	TAS	m_e
FLT1	145.42	PKPbc	20:43:13.100	0.4	15.1	2.77	TAS	m_e
FUR	149.41	PKPdf	20:43:19.395		17.4	1.57	TAS	m_e
FUR	149.41	PKPbc	20:43:24.440	-0.5	15.1	2.77	TAS	m_e
GEC2	148.24	PKPdf	20:43:17.619		17.4	1.57	TAS	m_e
GEC2	148.24	PKPbc	20:43:21.539	0.1	15.1	2.77	TAS	m_e
GEC2	148.24	pPKPbc	20:45:34.400				T__	m_e
GOR1	144.77	PKPbc	20:43:11.598	-0.2	15.1	2.77	TAS	m_e
GRA1	147.96	PKPbc	20:43:21.070	-0.1	15.1	2.77	TAS	m_e
GTTG	146.37	PKPdf	20:43:14.706	0.0	17.4	1.57	TAS	m_e
GTTG	146.37	PKPbc	20:43:16.517	-0.3	15.1	2.77	TAS	m_e
IBBN	145.90	PKPbc	20:43:15.071	0.1	15.1	2.77	TAS	m_e
KAST	146.92	PKPdf	20:43:15.655	-0.2	17.4	1.57	TAS	m_e
KAST	146.92	PKPbc	20:43:17.840	0.3	15.1	2.77	TAS	m_e
MANZ	147.51	PKPdf	20:43:16.815		17.4	1.57	TAS	m_e
MANZ	147.51	PKPbc	20:43:19.771	0.3	15.1	2.77	TAS	m_e
MOX	146.97	PKPdf	20:43:15.529	0.1	17.4	1.57	TAS	m_e
MOX	146.97	PKPbc	20:43:18.064	0.3	15.1	2.77	TAS	m_e
NEUB	146.42	PKPbc	20:43:16.602	0.1	15.1	2.77	TAS	m_e
NRDL	145.43	PKPbc	20:43:13.383	0.1	15.1	2.77	TAS	m_e
PLN	147.02	PKPdf	20:43:15.727		17.4	1.57	TAS	m_e
PLN	147.02	PKPbc	20:43:18.322	-0.0	15.1	2.77	TAS	m_e
RETH	145.29	PKPbc	20:43:13.045	-0.4	15.1	2.77	TAS	m_e
RJOB	149.49	PKPdf	20:43:19.208		17.4	1.57	TAS	m_e
RJOB	149.49	PKPbc	20:43:24.372	-0.5	15.1	2.77	TAS	m_e
ROTZ	147.70	PKPdf	20:43:16.654		17.4	1.57	TAS	m_e
ROTZ	147.70	PKPbc	20:43:20.235	0.5	15.1	2.77	TAS	m_e
ROTZ	147.70	pPKPbc	20:45:32.577				T__	m_e
RUE	144.81	PKPbc	20:43:11.553	-0.2	15.1	2.77	TAS	m_e
STU	149.19	PKPbc	20:43:24.078	-0.7	15.1	2.77	TAS	m_e
TANN	147.03	PKPdf	20:43:15.888		17.4	1.57	TAS	m_e
TANN	147.03	PKPbc	20:43:18.371	0.4	15.1	2.77	TAS	m_e
TNS	147.88	PKPdf	20:43:17.367		17.4	1.57	TAS	m_e
TNS	147.88	PKPbc	20:43:20.538	0.0	15.1	2.77	TAS	m_e
TNS	147.88	pPKPbc	20:45:33.062				T__	m_e
UBBA	147.08	PKPbc	20:43:18.078	0.1	15.1	2.77	TAS	m_e
UBR	150.10	PKPdf	20:43:20.557		17.4	1.57	TAS	m_e
UBR	150.10	PKPbc	20:43:25.969		15.1	2.77	TAS	m_e
WET	148.15	PKPdf	20:43:17.419		17.4	1.57	TAS	m_e
WET	148.15	PKPbc	20:43:21.261	0.2	15.1	2.77	TAS	m_e
WLF	148.67	PKPbc	20:43:23.001	-0.2	15.1	2.77	TAS	m_e
WLF	148.67	pPKPbc	20:45:34.986				T__	m_e

Event 80910007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/10	20:41:22.90			-22.0500	169.9400				10.0			18		144.61	149.72	m i ke	EMSC
OrigID 80910039																	

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
BRG	145.66		PKPbc	21:01:00.800	-0.5	39.1		2.78		TAS					m_e
BSEG	144.61		PKPbc	21:00:57.114	0.4	39.1		2.78		TAS					m_e
CLL	145.73		PKPbc	21:01:00.533	0.2	39.1		2.78		TAS					m_e
CLZ	146.31		PKPbc	21:01:02.653	-0.1	39.1		2.78		TAS					m_e
FLT1	145.60		PKPbc	21:01:00.115	0.5	39.1		2.78		TAS					m_e
GEC2	147.26		PKPbc	21:01:05.427		39.1		2.78		TAS					m_e
GRA1	147.70		PKPbc	21:01:06.906		39.1		2.78		TAS					m_e
GTTG	146.70		PKPbc	21:01:03.980	0.2	39.1		2.78		TAS					m_e
HLG	145.16		PKPbc	21:00:55.444	0.2	39.1		2.78		TAS					m_e
IBBN	146.82		PKPbc	21:01:03.918	-0.3	39.1		2.78		TAS					m_e
KAST	147.53		PKPbc	21:01:05.697		39.1		2.78		TAS					m_e
MANZ	147.10		PKPbc	21:01:04.940		39.1		2.78		TAS					m_e
MOX	146.80		PKPbc	21:01:03.820	-0.4	39.1		2.78		TAS					m_e
NEUB	146.30		PKPbc	21:01:02.737	-0.3	39.1		2.78		TAS					m_e
NRDL	145.87		PKPbc	21:01:00.912	0.8	39.1		2.78		TAS					m_e
RJOB	148.48		PKPbc	21:01:08.573		39.1		2.78		TAS					m_e
ROTZ	147.23		PKPbc	21:01:05.675		39.1		2.78		TAS					m_e
TANN	146.63		PKPbc	21:01:03.594		39.1		2.78		TAS					m_e
TNS	148.34		PKPbc	21:01:08.432		39.1		2.78		TAS					m_e
UBBA	147.28		PKPbc	21:01:05.116		39.1		2.78		TAS					m_e
UBR	149.72		PKPbc	21:01:11.787		39.1		2.78		TAS					m_e
WET	147.41		PKPbc	21:01:05.736		39.1		2.78		TAS					m_e
WLF	149.61		PKPbc	21:01:12.255		39.1		2.78		TAS					m_e

Event 80910008 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/10	23:02:41.54			36.1900	32.0000				113.1	14.3		32		18.30	23.52	m i ke	BGR
OrigID 80910014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80910014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.96		P	23:07:36.871	0.4	126.0		10.60		TAS		151.2	0.90	m_e mb	5.5
BFO	21.21		P	23:07:18.221	1.9	126.0		10.60		TAS		67.7	0.89	m_e mb	5.0

BRG	19.59	P	23:07:00.874	0.1	126.0	10.60	TAS	13.8	0.96	m_e	mb	4.2
BRG	19.59	pP	23:07:20.591				T__			m_e		
BSEG	23.28	P	23:07:38.721	-0.4	126.0	10.60	TAS	24.7	0.98	m_e	mb	4.7
BSEG	23.28	pP	23:08:02.243	0.3			T__			m_e		
BUG	23.31	P	23:07:39.608	-1.0	126.0	10.60	TAS	65.7	1.02	m_e	mb	5.1
CLL	20.32	P	23:07:08.757	0.1	126.0	10.60	TAS	20.5	0.96	m_e	mb	4.3
CLZ	21.94	P	23:07:25.799	-0.2	126.0	10.60	TAS	50.8	1.06	m_e	mb	4.9
FLT1	21.82	P	23:07:23.984	-0.4	126.0	10.60	TAS	33.7	1.10	m_e	mb	4.7
FUR	19.40	P	23:06:58.738	0.6	126.0	10.60	TAS	39.4	0.86	m_e	mb	4.7
FUR	19.40	pP	23:07:18.597	0.3			T__			m_e		
GEC2	18.43	P	23:06:46.926	-1.9	126.0	10.60	TAS	44.3	0.83	m_e	mb	4.6
GOR1	22.21	P	23:07:28.150	-0.0	126.0	10.60	TAS	74.9	1.46	m_e	mb	4.9
GOR1	22.21	pP	23:07:50.059	0.3			T__			m_e		
GRA1	20.25	P	23:07:07.578	-0.5	126.0	10.60	TAS	27.2	0.84	m_e	mb	4.5
GTTG	21.96	P	23:07:26.246	-0.1	126.0	10.60	TAS	68.1	1.04	m_e	mb	5.0
IBBN	23.52	P	23:07:41.697	-1.2	126.0	10.60	TAS	40.5	0.86	m_e	mb	5.0
KAST	22.57	P	23:07:32.007	-0.8	126.0	10.60	TAS	70.0	1.19	m_e	mb	5.1
MANZ	19.94	P	23:07:05.108	0.1	126.0	10.60	TAS	4.9	0.89	m_e	mb	3.8
MOX	20.59	P	23:07:12.147	0.3	126.0	10.60	TAS	50.9	0.81	m_e	mb	4.9
NEUB	20.85	P	23:07:14.611	0.2	126.0	10.60	TAS	35.4	0.81	m_e	mb	4.7
NRDL	22.46	P	23:07:30.664	-0.7	126.0	10.60	TAS	20.8	1.07	m_e	mb	4.5
PLN	20.22	P	23:07:07.579	-0.3	126.0	10.60	TAS	26.8	0.84	m_e	mb	4.5
PLN	20.22	pP	23:07:28.454	0.3			T__			m_e		
RETH	22.97	P	23:07:37.535	0.7	126.0	10.60	TAS	17.5	1.06	m_e	mb	4.5
RETH	22.97	pP	23:07:58.697	0.3			T__			m_e		
RGN	22.44	P	23:07:30.299	2.3	126.0	10.60	TAS	155.8	0.95	m_e	mb	5.4
RJOB	18.30	P	23:06:46.523	-0.3	126.0	10.60	TAS	12.4	0.93	m_e	mb	4.0
ROTZ	19.76	P	23:07:02.661	-0.4	126.0	10.60	TAS	4.7	0.91	m_e	mb	3.7
RUE	20.76	P	23:07:13.214	1.1	126.0	10.60	TAS	89.2	0.96	m_e	mb	5.1
STU	20.90	P	23:07:14.835	0.9	126.0	10.60	TAS	528.3	0.89	m_e	mb	5.9
TANN	20.02	P	23:07:05.263	-0.5	126.0	10.60	TAS	9.9	0.95	m_e	mb	4.0
TNS	22.04	P	23:07:26.059	-0.8	126.0	10.60	TAS	52.6	0.88	m_e	mb	5.0
UBBA	21.53	P	23:07:21.676	-0.1	126.0	10.60	TAS	31.0	1.41	m_e	mb	4.5
UBBA	21.53	pP	23:07:44.130	0.3			T__			m_e		
UBR	19.85	P	23:07:03.346	1.4	126.0	10.60	TAS	64.9	0.81	m_e	mb	4.9
WET	19.04	P	23:06:54.763	-0.6	126.0	10.60	TAS	25.5	0.96	m_e	mb	4.4
WLF	23.09	P	23:07:37.075	0.3	126.0	10.60	TAS	95.9	0.90	m_e	mb	5.3

Event 80911006 Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/11	13:21:00.81			40.9090	132.0040				510.0				17	73.10	78.15	m i ke	BGR
	80911012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	80911012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.97		P	13:31:58.915		42.1		5.56		TAS		14.0	0.99	m_e	mb 5.0
BFO	78.15		P	13:32:04.528		42.1		5.56		TAS		14.5	0.80	m_e	mb 5.2
BRG	73.81		P	13:31:40.982	0.2	42.1		5.56		TAS		7.0	0.71	m_e	mb 4.8
BSEG	73.10		P	13:31:37.226	-0.5	42.1		5.56		TAS		12.0	0.83	m_e	mb 5.1
CLL	73.91		P	13:31:41.278	0.1	42.1		5.56		TAS		24.7	0.81	m_e	mb 5.3
FLT1	73.91		P	13:31:41.007	-0.7	42.1		5.56		TAS		13.9	0.83	m_e	mb 5.0
GEC2	75.38		P	13:31:49.560		42.1		5.56		TAS		6.4	0.90	m_e	mb 4.7
GRA1	75.87		P	13:31:52.884		42.1		5.56		TAS		20.6	0.96	m_e	mb 5.2
MANZ	75.26		P	13:31:49.102	-0.6	42.1		5.56		TAS		1.7	0.93	m_e	mb 4.1
MOX	74.99		P	13:31:46.856	0.0	42.1		5.56		TAS		5.1	0.80	m_e	mb 4.6
NEUB	74.52		P	13:31:45.089	-0.3	42.1		5.56		TAS		20.9	0.85	m_e	mb 5.2
RJOB	76.61		P	13:31:56.768		42.1		5.56		TAS		10.5	0.94	m_e	mb 5.0
ROTZ	75.38		P	13:31:50.009		42.1		5.56		TAS		1.3	0.77	m_e	mb 4.0
TANN	74.80		P	13:31:46.417	0.5	42.1		5.56		TAS		4.0	0.86	m_e	mb 4.5
TNS	76.65		P	13:31:56.724		42.1		5.56		TAS		5.6	0.83	m_e	mb 4.7
UBBA	75.55		P	13:31:50.281		42.1		5.56		TAS				m_e	
WET	75.54		P	13:31:50.756		42.1		5.56		TAS		5.6	0.85	m_e	mb 4.7

Event 80911007 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/11	13:26:06.52			42.1600	140.9700				59.9	1.3		18		75.28	80.68	m i ke	BGR
OrigID 80911013																	

Magnitude Err Nsta Author OrigID
mb 4.8 BGR 80911013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	79.28		P	13:38:06.755		35.6		5.55		TAS		9.7	0.95	m_e	mb 4.8
BFO	80.68		P	13:38:13.433		35.6		5.55		TAS		8.0	1.03	m_e	mb 4.7
BFO	80.68		pP	13:38:30.355						T__				m_e	
BSEG	75.35		P	13:37:44.624	-0.5	35.6		5.55		TAS		12.6	0.81	m_e	mb 5.0
CLL	76.50		P	13:37:50.696	0.0	35.6		5.55		TAS		9.4	0.85	m_e	mb 4.9
CLZ	77.04		P	13:37:54.139	0.2	35.6		5.55		TAS		10.0	0.82	m_e	mb 5.0
FLT1	76.33		P	13:37:49.454	0.2	35.6		5.55		TAS		12.4	0.84	m_e	mb 5.1
FLT1	76.33		pP	13:38:05.951						T__				m_e	
GEC2	78.19		P	13:37:59.798		35.6		5.55		TAS		3.7	0.94	m_e	mb 4.5
GRA1	78.48		P	13:38:02.465		35.6		5.55		TAS		15.5	0.78	m_e	mb 5.2
GTTG	77.43		P	13:37:56.227	-0.4	35.6		5.55		TAS		7.5	0.72	m_e	mb 4.9
KAST	78.26		P	13:38:00.871		35.6		5.55		TAS		5.4	0.84	m_e	mb 4.7
KAST	78.26		pP	13:38:17.432						T__				m_e	
MANZ	77.90		P	13:37:58.833	-0.7	35.6		5.55		TAS		1.2	0.88	m_e	mb 4.0
MOX	77.56		P	13:37:56.817	0.4	35.6		5.55		TAS		4.1	0.79	m_e	mb 4.6
MOX	77.56		pP	13:38:13.556						T__				m_e	

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NRDL	76.60	P	13:37:51.364	0.1	35.6	5.55	TAS	4.9	0.80	m_e	mb	4.7
NRDL	76.60	pP	13:38:07.799				T__				m_e	
RJOB	79.44	P	13:38:07.663		35.6	5.55	TAS	9.0	0.78	m_e	mb	4.9
ROTZ	78.04	P	13:37:59.850		35.6	5.55	TAS	1.0	0.84	m_e	mb	4.0
ROTZ	78.04	pP	13:38:16.252				T__				m_e	
RUE	75.28	P	13:37:44.059	0.1	35.6	5.55	TAS	19.2	0.67	m_e	mb	5.3
TNS	79.06	P	13:38:04.721		35.6	5.55	TAS	4.2	0.72	m_e	mb	4.6
TNS	79.06	pP	13:38:21.548				T__				m_e	
WET	78.28	P	13:38:01.099		35.6	5.55	TAS	5.5	0.87	m_e	mb	4.7

Event 80911008 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/11	16:35:08.11			37.2330	68.2260				143.9	10.3		20		40.42	45.51	m i ke	BGR
	80911014																

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	80911014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	44.80		P	16:43:06.262		84.8		8.10		TAS		6.7	0.75	m_e	mb	4.7
BRG	40.42		P	16:42:30.316	0.2	84.8		8.10		TAS		8.1	0.76	m_e	mb	4.4
BSEG	42.56		P	16:42:47.016	0.7	84.8		8.10		TAS		12.9	0.75	m_e	mb	4.7
CLL	41.00		P	16:42:34.699	0.1	84.8		8.10		TAS		4.5	0.73	m_e	mb	4.3
CLZ	42.61		P	16:42:44.696	-0.2	84.8		8.10		TAS		6.7	0.87	m_e	mb	4.4
CLZ	42.61		sP	16:43:36.313						T__					m_e	
FLT1	42.05		P	16:42:42.684	-0.2	84.8		8.10		TAS		20.6	0.73	m_e	mb	5.0
GEC2	40.69		P	16:42:32.605	-0.0	84.8		8.10		TAS		1.7	0.80	m_e	mb	3.8
GRA1	42.23		P	16:42:45.774	-0.4	84.8		8.10		TAS		14.4	1.15	m_e	mb	4.6
GRA1	42.23		pP	16:43:16.065						T__					m_e	
GTTG	42.88		P	16:42:49.697		84.8		8.10		TAS		14.2	0.77	m_e	mb	4.8
MANZ	41.64		P	16:42:39.769	0.9	84.8		8.10		TAS		0.9	0.96	m_e	mb	3.5
MOX	41.91		P	16:42:42.458	0.9	84.8		8.10		TAS		3.9	0.75	m_e	mb	4.2
MOX	41.91		sP	16:43:31.128						T__					m_e	
NEUB	41.77		P	16:42:41.486	-2.9	84.8		8.10		TAS		14.0	0.77	m_e	mb	4.8
NRDL	42.74		P	16:42:49.019	0.1	84.8		8.10		TAS		7.4	0.84	m_e	mb	4.5
RJOB	41.39		P	16:42:37.379	-0.3	84.8		8.10		TAS		2.8	0.77	m_e	mb	4.1
ROTZ	41.59		P	16:42:39.850	0.3	84.8		8.10		TAS		1.0	0.93	m_e	mb	3.5
RUE	40.49		P	16:42:30.196		84.8		8.10		TAS					m_e	
TANN	41.38		P	16:42:38.057	0.5	84.8		8.10		TAS		2.5	0.83	m_e	mb	4.0
TNS	43.96		P	16:42:58.679		84.8		8.10		TAS		11.5	1.18	m_e	mb	4.5
TNS	43.96		pP	16:43:30.091						T__					m_e	
UBBA	42.92		P	16:42:49.942		84.8		8.10		TAS		2.8	0.73	m_e	mb	4.1
UBR	43.20		P	16:42:52.484		84.8		8.10		TAS		3.5	0.72	m_e	mb	4.2
WLF	45.51		P	16:43:11.444		84.8		8.10		TAS		6.6	0.82	m_e	mb	4.7

Event 80912001 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/12	00:28:22.09			47.2680	149.2860				102.6			30		73.34	78.96	m i ke	BGR
OrigID 80912007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80912007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.27		P	00:40:03.178	-0.4	27.8		5.64		TAS		27.4	1.15	m_e	mb 5.3
BFO	78.91		P	00:40:11.277		27.8		5.64		TAS		11.7	0.88	m_e	mb 4.9
BFO	78.91		pP	00:40:37.505						T__				m_e	
BRG	74.96		P	00:39:48.906	-0.1	27.8		5.64		TAS		7.7	0.85	m_e	mb 4.8
BSEG	73.34		P	00:39:40.151	0.2	27.8		5.64		TAS		9.0	0.85	m_e	mb 4.9
BUG	76.40		P	00:39:57.757	-0.1	27.8		5.64		TAS		25.0	0.98	m_e	mb 5.3
CLL	74.87		P	00:39:48.763	0.7	27.8		5.64		TAS		33.7	0.62	a_e	mb 5.5
CLZ	75.18		P	00:39:51.536	0.2	27.8		5.64		TAS		15.2	0.93	m_e	mb 5.0
FLT1	74.50		P	00:39:46.525	0.2	27.8		5.64		TAS		17.6	0.73	m_e	mb 5.2
FUR	78.17		P	00:40:07.388	-0.6	27.8		5.64		TAS		23.6	0.83	m_e	mb 5.4
GEC2	76.80		P	00:39:59.913	0.5	27.8		5.64		TAS		16.2	0.65	a_e	mb 5.3
GRA1	76.83		P	00:40:00.759	0.6	27.8		5.64		TAS		39.5	0.71	m_e	mb 5.7
GTTG	75.56		P	00:39:53.363	0.2	27.8		5.64		TAS		21.1	1.12	a_e	mb 5.2
IBBN	75.49		P	00:39:52.768	-0.1	27.8		5.64		TAS		22.4	0.70	m_e	mb 5.3
KAST	76.30		P	00:39:57.549	0.3	27.8		5.64		TAS		11.0	0.82	m_e	mb 5.0
MANZ	76.30		P	00:39:57.438	0.1	27.8		5.64		TAS		2.2	0.78	m_e	mb 4.3
MOX	75.87		P	00:39:54.863	0.2	27.8		5.64		TAS		9.7	0.67	a_e	mb 5.1
NEUB	75.34		P	00:39:51.713	0.4	27.8		5.64		TAS		20.2	0.77	a_e	mb 5.2
NRDL	74.67		P	00:39:48.216	-0.7	27.8		5.64		TAS		11.0	0.80	m_e	mb 4.9
PLN	75.85		P	00:39:54.869	-0.3	27.8		5.64		TAS		11.7	1.07	m_e	mb 4.9
RETH	74.67		P	00:39:48.213	-0.4	27.8		5.64		TAS		23.1	1.24	a_e	mb 5.1
RJOB	78.06		P	00:40:07.463	-0.2	27.8		5.64		TAS		15.6	1.00	m_e	mb 5.1
ROTZ	76.46		P	00:39:58.463	0.5	27.8		5.64		TAS		3.0	0.67	a_e	mb 4.5
RUE	73.61		P	00:39:42.301	-1.0	27.8		5.64		TAS		22.2	0.99	m_e	mb 5.2
STU	78.26		P	00:40:08.063	-0.8	27.8		5.64		TAS		42.6	0.82	a_e	mb 5.6
TANN	75.82		P	00:39:54.413	0.1	27.8		5.64		TAS		6.7	0.68	a_e	mb 4.9
TNS	77.17		P	00:40:02.163	0.3	27.8		5.64		TAS		15.7	0.68	a_e	mb 5.3
UBBA	76.19		P	00:39:56.316	0.4	27.8		5.64		TAS		7.5	0.60	m_e	mb 5.0
UBR	78.96		P	00:40:11.395		27.8		5.64		TAS		5.8	0.76	m_e	mb 4.7
WET	76.80		P	00:40:00.513	0.1	27.8		5.64		TAS		23.3	0.88	a_e	mb 5.3

Event 80912002 Near coast of Chiapas, Mexico

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/12	02:35:30.96			14.4820	-93.1530				33.0			24		85.00	89.94	m i ke	BGR
80912008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80912008
Ms	4.4		BGR	80912008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.32		P	02:48:04.025	0.1	290.2		4.75		TAS		31.9	0.89	m_e	mb	5.5
BFO	86.77		P	02:48:10.022	-0.1	290.2		4.75		TAS		8.3	0.86	m_e	mb	4.9
BRG	89.32		P	02:48:22.419		290.2		4.75		TAS		5.5	0.89	m_e	mb	4.8
BSEG	86.16		P	02:48:07.767	-0.7	290.2		4.75		TAS		22.7	0.86	m_e	mb	5.3
BUG	85.17		P	02:48:02.648	0.2	290.2		4.75		TAS		20.5	1.04	m_e	mb	5.3
CLL	88.61		P	02:48:18.793		290.2		4.75		TAS		4.7	0.81	m_e	mb	4.8
CLZ	86.88		P	02:48:11.740	-0.1	290.2		4.75		TAS		11.6	0.94	m_e	mb	5.0
FLT1	87.22		P	02:48:12.666	-0.2	290.2		4.75		TAS		8.8	0.85	m_e	mb	4.9
GEC2	89.94		P	02:48:25.760		290.2		4.75		TAS		7.5	1.00	m_e	mb	4.9
GRA1	88.12		P	02:48:18.024	-0.4	290.2		4.75		TAS		5.9	0.82	m_e	mb	5.0
GRA1	88.12		L	03:25:40.741						T__		185.2	18.60	a_e	Ms	4.5
GTTG	86.74		P	02:48:10.977	0.1	290.2		4.75		TAS		22.1	0.99	m_e	mb	5.2
IBBN	85.21		P	02:48:03.011	-0.5	290.2		4.75		TAS		29.5	0.87	m_e	mb	5.5
KAST	85.93		P	02:48:06.468	0.0	290.2		4.75		TAS		15.4	0.91	m_e	mb	5.1
MANZ	88.56		P	02:48:18.970	0.0	290.2		4.75		TAS		0.8	0.86	m_e	mb	4.0
MOX	88.03		P	02:48:16.047	0.0	290.2		4.75		TAS		3.7	1.02	m_e	mb	4.7
MOX	88.03		L	03:23:24.731						T__		105.1	20.20	a_e	Ms	4.2
NRDL	86.51		P	02:48:09.774	0.5	290.2		4.75		TAS		13.7	0.85	m_e	mb	5.1
RJOB	89.79		P	02:48:25.064		290.2		4.75		TAS		3.4	0.93	m_e	mb	4.6
ROTZ	88.69		P	02:48:19.854		290.2		4.75		TAS		0.8	0.80	m_e	mb	4.0
STU	87.17		P	02:48:12.698	0.9	290.2		4.75		TAS		45.0	0.81	m_e	mb	5.7
TANN	88.61		P	02:48:19.528		290.2		4.75		TAS		4.7	0.81	m_e	mb	4.8
TNS	86.25		P	02:48:08.248	0.5	290.2		4.75		TAS		34.5	0.87	m_e	mb	5.5
UBBA	87.00		P	02:48:11.717	-0.6	290.2		4.75		TAS		15.0	1.36	m_e	mb	4.9
UBR	88.11		P	02:48:17.227	0.2	290.2		4.75		TAS		6.6	0.90	m_e	mb	5.0
WET	89.33		P	02:48:23.061		290.2		4.75		TAS		7.1	0.90	m_e	mb	4.9
WLF	85.00		P	02:48:02.221	-0.4	290.2		4.75		TAS		20.1	0.88	m_e	mb	5.4

Event 80912003 India-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/12	04:50:51.97			26.1800	88.6400				10.0			22		60.68	65.80	m i ke	BGR
80912009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80912009

Ms 5.0 BGR 80912009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	65.04		P	05:01:32.548		81.7		6.65		TAS		55.5	1.38	m_e	mb 5.6
BRG	60.68		P	05:01:03.292	0.2	81.7		6.65		TAS		48.1	1.44	m_e	mb 5.1
BSEG	62.52		P	05:01:15.539	0.1	81.7		6.65		TAS		50.2	0.95	m_e	mb 5.6
BUG	64.75		P	05:01:30.186		81.7		6.65		TAS		60.1	1.23	m_e	mb 5.7
CLL	61.22		P	05:01:06.495	0.1	81.7		6.65		TAS		13.3	1.01	m_e	mb 4.7
CLZ	62.77		P	05:01:17.327	-0.4	81.7		6.65		TAS		32.6	0.87	m_e	mb 5.5
FLT1	62.18		P	05:01:12.573	-0.1	81.7		6.65		TAS		33.9	1.11	m_e	mb 5.5
GEC2	61.07		P	05:01:06.128	0.4	81.7		6.65		TAS		30.3	0.93	m_e	mb 5.1
GOR1	62.05		P	05:01:12.456	0.0	81.7		6.65		TAS		100.0	1.17	m_e	mb 5.9
GRA1	62.56		P	05:01:16.517	-0.0	81.7		6.65		TAS		63.3	1.49	m_e	mb 5.5
GRA1	62.56		L	05:31:12.760						T__		860.9	19.40	a_e	Ms 4.9
GTTG	63.07		P	05:01:19.133	0.1	81.7		6.65		TAS		85.4	1.40	m_e	mb 5.7
IBBN	64.29		P	05:01:26.780		81.7		6.65		TAS		91.7	1.33	m_e	mb 5.8
KAST	64.08		P	05:01:25.782		81.7		6.65		TAS		25.5	1.35	m_e	mb 5.3
MANZ	61.95		P	05:01:12.267	0.6	81.7		6.65		TAS		9.8	1.40	m_e	mb 4.8
MOX	62.17		P	05:01:13.128		81.7		6.65		TAS		30.6	1.33	m_e	mb 5.4
MOX	62.17		L	05:30:47.419						T__		1149.3	19.60	a_e	Ms 5.0
NRDL	62.84		P	05:01:18.024	-0.2	81.7		6.65		TAS		112.6	1.18	m_e	mb 5.9
PLN	61.85		P	05:01:11.225		81.7		6.65		TAS		10.5	0.90	m_e	mb 5.1
RETH	63.26		P	05:01:20.460		81.7		6.65		TAS		30.8	1.29	m_e	mb 5.3
RJOB	61.83		P	05:01:09.792	0.4	81.7		6.65		TAS		17.0	1.10	m_e	mb 5.2
ROTZ	61.92		P	05:01:12.140	-0.7	81.7		6.65		TAS		11.6	1.21	m_e	mb 5.0
TANN	61.67		P	05:01:10.046	0.5	81.7		6.65		TAS		17.3	1.06	m_e	mb 5.2
TNS	64.24		P	05:01:27.004		81.7		6.65		TAS		41.8	1.21	m_e	mb 5.5
UBBA	63.16		P	05:01:19.887	0.2	81.7		6.65		TAS		77.4	1.80	m_e	mb 5.5
UBR	63.63		P	05:01:22.523		81.7		6.65		TAS		25.0	1.07	m_e	mb 5.4
WET	61.57		P	05:01:09.603	-1.0	81.7		6.65		TAS		19.8	1.06	m_e	mb 5.3
WLF	65.80		P	05:01:37.672		81.7		6.65		TAS		102.3	1.25	m_e	mb 5.9

Event 80912004 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/12	06:21:48.70			36.0300	31.0800				60.0			28		17.90	23.18	m i ke	EMSC
80912036																	

Magnitude 5.1 Err Nsta Author BGR 80912010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.57		P	06:26:42.929	-0.1	125.9		10.51		TAS		106.2	1.00	m_e	mb 5.3
BFO	20.77		P	06:26:24.287	-0.3	125.9		10.51		TAS		100.8	0.89	m_e	mb 5.2
BRG	19.29		P	06:26:08.220	0.9	125.9		10.51		TAS		317.9	2.10	m_e	mb 5.2
BSEG	23.01		P	06:26:46.083		125.9		10.51		TAS		83.8	1.26	m_e	mb 5.1

BUG	22.94	P	06:26:46.325		125.9	10.51	TAS	102.9	1.35	m_e	mb	5.2
CLL	20.02	P	06:26:15.833	0.8	125.9	10.51	TAS	252.4	1.78	m_e	mb	5.2
CLZ	21.61	P	06:26:31.662	-0.2	125.9	10.51	TAS	273.8	1.78	m_e	mb	5.4
FLT1	21.52	P	06:26:30.919	-1.3	125.9	10.51	TAS	163.5	1.41	m_e	mb	5.3
GEC2	18.07	P	06:25:55.466	-0.5	125.9	10.51	TAS	73.5	0.97	m_e	mb	4.8
GRA1	19.88	P	06:26:14.257	-0.1	125.9	10.51	TAS	258.6	1.31	m_e	mb	5.3
GTTG	21.63	P	06:26:33.034	-0.9	125.9	10.51	TAS	390.1	1.67	m_e	mb	5.6
IBBN	23.18	P	06:26:48.804		125.9	10.51	TAS	83.9	1.08	m_e	mb	5.2
KAST	22.21	P	06:26:38.620	1.9	125.9	10.51	TAS	62.2	1.09	m_e	mb	5.0
MANZ	19.60	P	06:26:11.932	0.5	125.9	10.51	TAS	46.0	1.21	m_e	mb	4.6
MOX	20.25	P	06:26:19.577	0.7	125.9	10.51	TAS	153.3	1.06	m_e	mb	5.2
NEUB	20.53	P	06:26:22.008	1.4	125.9	10.51	TAS	237.2	1.61	m_e	mb	5.3
PLN	19.88	P	06:26:14.854	0.1	125.9	10.51	TAS	73.1	1.30	m_e	mb	4.8
RETH	22.66	P	06:26:45.672		125.9	10.51	TAS	185.6	1.58	m_e	mb	5.4
RJOB	17.90	P	06:25:53.373	-0.4	125.9	10.51	TAS	35.4	0.86	m_e	mb	4.5
ROTZ	19.41	P	06:26:09.210	-0.1	125.9	10.51	TAS	23.2	1.10	m_e	mb	4.3
RUE	20.50	P	06:26:21.247	0.5	125.9	10.51	TAS	124.9	0.95	m_e	mb	5.1
STU	20.49	P	06:26:21.322	1.9	125.9	10.51	TAS	306.9	1.01	m_e	mb	5.5
TANN	19.69	P	06:26:13.299	-0.7	125.9	10.51	TAS	130.8	1.56	m_e	mb	4.9
TNS	21.66	P	06:26:32.609	-0.9	125.9	10.51	TAS	267.6	1.54	m_e	mb	5.4
UBBA	21.17	P	06:26:28.314	-0.5	125.9	10.51	TAS	180.4	1.63	m_e	mb	5.1
UBR	19.41	P	06:26:09.586	-0.8	125.9	10.51	TAS	213.2	1.31	m_e	mb	5.2
WET	18.68	P	06:26:01.342	-1.1	125.9	10.51	TAS	77.5	1.05	m_e	mb	4.9
WLF	22.66	P	06:26:44.246	-0.8	125.9	10.51	TAS	79.7	1.01	m_e	mb	5.2

Event 80912011 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/12	18:00:33.03			-18.3100	-176.9000				550.0			19		144.01	150.15	m i ke	BGR
	80912017																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.75		PKPbc	18:19:20.258		13.4		2.73		TAS					m_e
BRG	146.38		PKPbc	18:19:11.991	-0.6	13.4		2.73		TAS					m_e
BSEG	144.01		PKPbc	18:19:04.338	0.2	13.4		2.73		TAS					m_e
CLL	146.15		PKPbc	18:19:11.129	0.0	13.4		2.73		TAS					m_e
CLZ	146.05		PKPbc	18:19:11.266	0.2	13.4		2.73		TAS					m_e
FLT1	145.45		PKPbc	18:19:08.408	0.2	13.4		2.73		TAS					m_e
GEC2	148.35		PKPbc	18:19:17.198		13.4		2.73		TAS					m_e
GRA1	148.02		PKPbc	18:19:16.680		13.4		2.73		TAS					m_e
GTTG	146.39		PKPbc	18:19:11.947	0.5	13.4		2.73		TAS					m_e
IBBN	145.88		PKPbc	18:19:10.626	0.2	13.4		2.73		TAS					m_e
KAST	146.91		PKPbc	18:19:13.202		13.4		2.73		TAS					m_e
MANZ	147.58		PKPbc	18:19:15.284		13.4		2.73		TAS					m_e

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MOX	147.03	PKPbc	18:19:13.675	-0.1	13.4	2.73	TAS	m_e
NRDL	145.45	PKPbc	18:19:09.039	0.3	13.4	2.73	TAS	m_e
RJOB	149.60	PKPbc	18:19:19.997		13.4	2.73	TAS	m_e
ROTZ	147.78	PKPbc	18:19:15.563		13.4	2.73	TAS	m_e
TANN	147.11	PKPbc	18:19:13.937		13.4	2.73	TAS	m_e
TNS	147.88	PKPbc	18:19:16.228		13.4	2.73	TAS	m_e
UBR	150.15	PKPbc	18:19:21.831		13.4	2.73	TAS	m_e

Event 80913003 Southern East Pacific Rise

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/13	11:38:02.98			-57.9440	-124.4790				33.0			15		150.30	154.86	m i ke	BGR
80913009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	150.68		PKPbc	11:57:53.922	-0.7	235.1		2.27		TAS					m_e
BSEG	154.74		PKPbc	11:58:04.471		235.1		2.27		TAS					m_e
BUG	151.88		PKPbc	11:57:58.486	0.3	235.1		2.27		TAS					m_e
CLL	154.86		PKPbc	11:58:02.472		235.1		2.27		TAS					m_e
CLZ	153.74		PKPbc	11:58:01.485		235.1		2.27		TAS					m_e
GEC2	153.85		PKPbc	11:58:00.948		235.1		2.27		TAS					m_e
GTTG	153.37		PKPbc	11:58:01.656	0.1	235.1		2.27		TAS					m_e
KAST	152.36		PKPbc	11:57:58.257	0.2	235.1		2.27		TAS					m_e
MOX	153.76		PKPbc	11:58:01.787		235.1		2.27		TAS					m_e
NRDL	153.93		PKPbc	11:58:02.050		235.1		2.27		TAS					m_e
RJOB	152.69		PKPbc	11:57:59.641	-0.2	235.1		2.27		TAS					m_e
STU	151.40		PKPbc	11:57:57.997	0.8	235.1		2.27		TAS					m_e
TANN	154.08		PKPbc	11:58:03.208		235.1		2.27		TAS					m_e
TNS	151.84		PKPbc	11:57:58.756	-0.3	235.1		2.27		TAS					m_e
WLF	150.30		PKPbc	11:57:54.958	-2.4	235.1		2.27		TAS					m_e

Event 80913006 Pakistan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/13	21:30:58.17			34.4730	71.8490				230.1	6.5		25		44.44	49.52	m i ke	BGR
80913012																	

Magnitude Err Nsta Author OrigID

mb 5.0 BGR 80913012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	48.81	P	21:39:18.828	85.4	7.78	TAS	14.0	0.79	m_e	mb	5.0	
BFO	48.28	pP	21:40:04.870			T__			m_e			
BFO	48.28	sP	21:40:30.774			T__			m_e			
BRG	44.44	P	21:38:44.518	-0.4	85.4	7.78	TAS	18.7	0.94	m_e	mb	4.8
BRG	44.44	pP	21:39:32.960			T__			m_e			
BSEG	46.59	P	21:39:01.345	0.0	85.4	7.78	TAS	27.8	0.81	m_e	mb	5.4
BUG	48.59	P	21:39:17.001		85.4	7.78	TAS	16.6	0.95	m_e	mb	5.0
CLL	45.02	P	21:38:48.549	-0.1	85.4	7.78	TAS	9.2	0.83	m_e	mb	4.8
CLL	45.02	pP	21:39:38.316			T__			m_e			
CLZ	46.64	P	21:39:01.651	-0.2	85.4	7.78	TAS	21.5	1.00	m_e	mb	5.2
CLZ	46.64	pP	21:39:51.287			T__			m_e			
FLT1	46.08	P	21:38:56.668	0.8	85.4	7.78	TAS	40.0	0.87	m_e	mb	5.5
FLT1	46.08	pP	21:39:45.603			T__			m_e			
FUR	46.35	sP	21:40:16.002			T__			m_e			
GEC2	44.68	P	21:38:46.836	0.6	85.4	7.78	TAS	3.7	0.82	m_e	mb	4.4
GOR1	46.02	P	21:38:56.348	0.5	85.4	7.78	TAS	19.9	1.03	m_e	mb	5.1
GRA1	46.24	P	21:38:59.505	-0.1	85.4	7.78	TAS	9.9	0.82	m_e	mb	4.9
GTTG	46.91	P	21:39:03.970	-0.2	85.4	7.78	TAS	33.3	0.91	m_e	mb	5.5
IBBN	48.21	P	21:39:13.853		85.4	7.78	TAS	31.1	0.90	m_e	mb	5.4
MANZ	45.65	P	21:38:54.750	-0.3	85.4	7.78	TAS	2.2	0.87	m_e	mb	4.2
MANZ	45.65	pP	21:39:43.757			T__			m_e			
MANZ	45.65	sP	21:40:10.265			T__			m_e			
MOX	45.92	P	21:38:56.180	-0.6	85.4	7.78	TAS	9.7	0.93	m_e	mb	4.8
NEUB	45.80	P	21:38:55.312	-0.2	85.4	7.78	TAS	23.7	0.86	m_e	mb	5.2
NEUB	45.80	pP	21:39:44.280			T__			m_e			
NRDL	46.76	P	21:39:02.636	0.1	85.4	7.78	TAS	14.2	0.84	m_e	mb	5.1
NRDL	46.76	pP	21:39:52.284			T__			m_e			
PLN	45.59	P	21:38:53.763	0.3	85.4	7.78	TAS	8.5	0.91	m_e	mb	4.8
PLN	45.59	pP	21:39:41.626			T__			m_e			
RETH	47.21	P	21:39:05.687	-0.1	85.4	7.78	TAS	7.9	0.89	m_e	mb	4.8
RGN	44.83	P	21:38:47.055	-0.8	85.4	7.78	TAS	87.1	0.98	m_e	mb	5.7
RJOB	45.37	P	21:38:52.259	0.8	85.4	7.78	TAS	11.4	0.86	m_e	mb	4.8
ROTZ	45.60	P	21:38:54.788	-0.1	85.4	7.78	TAS	2.3	1.02	m_e	mb	4.2
ROTZ	45.60	sP	21:40:09.762			T__			m_e			
TANN	45.40	P	21:38:52.293	-0.1	85.4	7.78	TAS	7.5	0.88	m_e	mb	4.6
TNS	47.98	P	21:39:12.347		85.4	7.78	TAS	8.0	0.90	m_e	mb	4.8
UBBA	46.94	sP	21:40:18.797			T__			m_e			
UBR	47.19	P	21:39:06.256	-0.1	85.4	7.78	TAS	14.5	0.74	m_e	mb	5.2
UBR	47.19	sP	21:40:22.174			T__			m_e			
WET	45.20	sP	21:40:07.121			T__			m_e			
WLF	49.52	P	21:39:24.610		85.4	7.78	TAS	25.2	0.91	m_e	mb	5.1

Event 80914001 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
2018/09/14	05:35:24.90		36.8000	140.5300				10.0						82.92	82.92	m i ke	EMSC

80914033

Magnitude Err Nsta Author OrigID
 mb 5.2 BGR 80914007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.92		P	05:47:49.966		38.7		4.55		TAS		17.7	1.15	m_e mb	5.2

Event 80915001 Southeast of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	00:08:21.04			26.1670	130.9340				33.0			29		83.47	89.98	m i ke	BGR

OrigID
80915007

Magnitude Err Nsta Author OrigID
 mb 5.4 BGR 80915007
 Ms 5.6 BGR 80915007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	89.80		P	00:21:14.711		51.3		4.82		TAS		9.5	1.12	m_e mb	4.9
BRG	85.36		P	00:20:53.485	-0.3	51.3		4.82		TAS		35.9	1.10	m_e mb	5.5
BSEG	85.23		P	00:20:53.563	0.4	51.3		4.82		TAS		56.8	1.02	m_e mb	5.8
BUG	88.27		P	00:21:07.473	1.3	51.3		4.82		TAS		28.0	1.50	m_e mb	5.4
CLL	85.57		P	00:20:54.160	-0.7	51.3		4.82		TAS		45.8	0.85	m_e mb	5.6
CLZ	86.53		P	00:20:59.566	0.0	51.3		4.82		TAS		69.7	0.92	m_e mb	5.8
FLT1	85.81		P	00:20:55.350	-0.6	51.3		4.82		TAS		42.1	1.02	m_e mb	5.5
FUR	88.39		P	00:21:09.714	-0.1	51.3		4.82		TAS		30.8	0.89	m_e mb	5.6
GEC2	86.70		P	00:20:59.992	0.0	51.3		4.82		TAS		19.0	1.01	m_e mb	5.2
GOR1	85.37		P	00:20:54.041	0.2	51.3		4.82		TAS		75.9	1.20	m_e mb	5.8
GRA1	87.46		P	00:21:04.436	-0.1	51.3		4.82		TAS				m_e	
GRA1	87.46		L	01:06:35.061						T__		2543.6	21.20	a_e Ms	5.6
GTTG	86.92		P	00:21:01.556	0.3	51.3		4.82		TAS		44.6	0.83	m_e mb	5.6
IBBN	87.47		P	00:21:03.788	-0.4	51.3		4.82		TAS		64.5	0.84	m_e mb	5.8
KAST	87.88		P	00:21:06.101	-0.3	51.3		4.82		TAS		18.9	0.97	m_e mb	5.4
MANZ	86.83		P	00:21:00.945	0.3	51.3		4.82		TAS		3.8	1.14	m_e mb	4.4
MOX	86.67		P	00:21:00.151	-0.3	51.3		4.82		TAS		10.0	1.06	m_e mb	4.9
MOX	86.67		L	01:03:02.244						T__		2712.3	18.50	a_e Ms	5.7
NEUB	86.25		P	00:20:58.048	-0.1	51.3		4.82		TAS		31.3	0.89	m_e mb	5.5
NRDL	86.25		P	00:20:58.564	-0.1	51.3		4.82		TAS		29.6	1.17	m_e mb	5.3
PLN	86.50		P	00:20:59.397	0.1	51.3		4.82		TAS		14.9	1.08	m_e mb	5.0
RETH	86.44		P	00:20:58.840	0.1	51.3		4.82		TAS		24.4	1.12	m_e mb	5.2
RGN	83.47		P	00:20:44.533	-0.1	51.3		4.82		TAS		47.1	0.81	m_e mb	5.8
RJOB	87.85		P	00:21:05.428	0.2	51.3		4.82		TAS		39.5	0.92	m_e mb	5.7
ROTZ	86.92		P	00:21:01.619	0.3	51.3		4.82		TAS		5.5	0.95	m_e mb	4.7
RUE	84.49		P	00:20:49.524	-0.1	51.3		4.82		TAS		90.0	0.97	m_e mb	6.0
STU	89.08		P	00:21:11.618	-0.1	51.3		4.82		TAS		18.0	0.80	m_e mb	5.3

TANN	86.39	P	00:20:58.683	-0.1	51.3	4.82	TAS	23.1	1.29	m_e mb	5.2
UBR	89.31	P	00:21:12.689		51.3	4.82	TAS	13.0	1.03	m_e mb	5.1
WET	86.95	P	00:21:01.757	0.5	51.3	4.82	TAS	12.5	1.06	m_e mb	5.0
WLF	89.98	P	00:21:15.956		51.3	4.82	TAS	24.3	1.00	m_e mb	5.4

Event 80915002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	00:40:56.50			-22.9400	171.3900				10.0					149.08	149.08	m i ke	EMSC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.08		PKPbc	01:00:44.300		37.5		1.64		TAS				m_e	

Event 80915004 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	04:14:34.80			26.7000	129.6800				10.0					86.39	86.39	m i ke	EMSC

Magnitude Err Nsta Author OrigID
mb 4.7 BGR 80915010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.39		P	04:27:32.996		52.0		4.79		TAS		5.6	0.80	m_e mb	4.7

Event 80915005 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	04:40:19.50			26.6900	129.5900				10.0					86.35	86.35	m i ke	EMSC

Magnitude Err Nsta Author OrigID
mb 5.2 BGR 80915011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.35		P	04:53:04.420		52.1		4.80		TAS		25.9	1.16	m_e mb	5.2

Event 80915006 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	08:05:28.10			26.6600	129.6000				1.0					86.38	86.38	m i ke	EMSC
OrigID 80915038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	80915012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.38		P	08:18:16.004		52.1		4.56		TAS		25.8	0.83	m_e mb	5.4

Event 80915007 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	08:32:21.50			26.5700	129.5600				10.0					86.43	86.43	m i ke	EMSC
OrigID 80915039																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80915013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.43		P	08:45:05.453		52.2		4.69		TAS		12.9	1.09	m_e mb	5.0

Event 80915008 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/15	13:53:38.50			26.7500	129.7000				10.0					86.36	86.36	m i ke	EMSC
OrigID 80915040																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80915014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.36		P	14:06:21.553		52.0		4.70		TAS		10.7	1.14	m_e mb	4.9

Event 80915009 Poland

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2018/09/15	16:35:17.27	0.39	0.64	51.3490	16.1630	4.4	2.2	17	1.0					17	195	0.51	3.64	m i k i BGR
OrigID 80915015																		

Magnitude	Err	Nsta	Author	OrigID
ML	4.3		BGR	80915015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.48		Sg	16:36:04.924	0.7					T__				m_e	
BRG	1.48		Pn	16:35:43.911	-0.3					T__				m_e	ML 4.0
CLL	1.98		Sg	16:36:19.436	-0.8					T__				m_e	
CLL	1.98		Pn	16:35:49.881	-1.1					T__				m_e	ML 4.2
CLZ	3.64		Sg	16:37:12.468	-0.5					T__				m_e	
CLZ	3.64		Pn	16:36:13.220	-0.1					T__				m_e	ML 4.6
DPC	1.00		Pn	16:35:37.368	-0.4					T__				m_e	ML 4.5
FBE	1.82		Sg	16:36:14.327	-0.8					T__				m_e	
FBE	1.82		Pn	16:35:48.354	-0.4					T__				m_e	ML 4.0
FBE	1.82		Pg	16:35:51.014	-0.6					T__				m_e	
GEC2	2.97		Pn	16:36:04.982	0.8					T__				m_e	ML 4.5
GRA1	3.56		Sg	16:37:10.800	0.4					T__				m_e	
GRA1	3.56		Pn	16:36:12.975	0.7					T__				m_e	ML 5.0
KSP	0.51		Pn	16:35:28.345	-0.7					T__				m_e	ML 3.8
MANZ	2.92		Sg	16:36:50.501	0.6					T__				m_e	
MANZ	2.92		Pn	16:36:04.094	0.5					T__				m_e	ML 4.5
MORC	1.80		Pn	16:35:49.111	0.6					T__				m_e	ML 4.3
MOX	2.96		Sg	16:36:52.461	1.3					T__				m_e	
MOX	2.96		Pn	16:36:04.146	0.0					T__				m_e	ML 4.6
OJC	2.57		Pn	16:35:58.277	-0.6					T__				m_e	
OKC	1.97		Sg	16:36:19.730	-0.1					T__				m_e	
OKC	1.97		Pn	16:35:51.117	0.3					T__				m_e	ML 3.7
ROTZ	2.98		Sg	16:36:50.605	-1.2					T__				m_e	
ROTZ	2.98		Pn	16:36:05.049	0.7					T__				m_e	ML 4.3
TANN	2.52		Sg	16:36:37.019	-0.4					T__				m_e	
TANN	2.52		Pn	16:35:58.895	0.6					T__				m_e	ML 4.3
TANN	2.52		Pg	16:36:04.712	-0.1					T__				m_e	
WERD	2.60		Pg	16:36:06.383	0.1					T__				m_e	ML 4.4
WET	3.05		Pn	16:36:06.244	0.8					T__				m_e	ML 4.3

Event 80915010 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	
2018/09/15	18:39:07.10			35.3400	141.2700				28.0					84.48	84.48	m i k e	EMSC	
OrigID 80915042																		

Magnitude	Err	Nsta	Author	OrigID
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mb 5.0 BGR 80915016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.48		P	18:51:38.595		39.0		4.42		TAS		10.2	0.93	m_e mb	5.0

Event 80916001 Western Australia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/16	04:56:23.90			-34.3300	116.9100				2.0					124.90	124.90	m i ke	EMSC
80916033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	124.90		PKPdf	05:15:25.032		103.7		1.67		TAS				m_e	

Event 80916002 Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/16	07:47:30.40			-17.6800	179.9400				636.0					146.79	146.79	m i ke	NEIC
80916041																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	146.79		PKPbc	08:06:01.927		19.9		1.93		TAS				m_e	

Event 80916004 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/16	13:10:49.60			-18.1000	-177.9300				570.0					147.63	147.63	m i ke	EMSC
80916036																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.63		PKPbc	13:29:30.841		16.4		2.07		TAS				m_e	

Event 80916005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/16	21:11:51.10			-25.5200	178.2200				605.0					153.84	153.84	m i ke	EMSC
OrigID 80916037																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	153.84		PKPdf	21:30:34.550		27.5		0.82		TAS					m_e

Event 80917001 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/17	00:24:16.70			-15.3400	167.4300				150.0					140.65	140.65	m i ke	EMSC
OrigID 80917033																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	140.65		PKP	00:43:24.964		37.9		1.21		TAS					m_e

Event 80917002 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/17	02:32:09.80			26.7500	129.7400				10.0					86.38	86.38	m i ke	EMSC
OrigID 80917034																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	80917008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	86.38		P	02:44:52.365		51.9		4.64		TAS		6.2	1.04	m_e mb	4.7

Event 80917003 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/17	04:53:13.20			47.1500	151.0200				154.0					77.46	77.46	m i ke	EMSC
OrigID 80917035																	

Magnitude Err Nsta Author OrigID
 mb 4.9 BGR 80917009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 77.46 P 05:04:51.764 26.8 4.37 TAS 7.3 0.76 m_e mb 4.9

Event 80917006 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/09/17 09:32:40.90 -25.3300 178.4000 586.0 153.72 153.72 m i ke EMSC
 80917038

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 GRA1 153.72 PKPab 09:51:51.241 27.0 3.71 TAS m_e

Event 80917008 Afghanistan-Tajikistan border region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2018/09/17 19:00:26.66 37.8900 70.4360 33.0 17 41.42 45.37 m i ke BGR
 80917014

Magnitude Err Nsta Author OrigID

mb 4.3 BGR 80917014
 Ms 4.2 BGR 80917014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
 BFO 45.37 P 19:08:40.235 82.5 8.08 TAS 4.4 0.89 m_e mb 4.4
 BRG 41.42 P 19:08:08.385 -0.7 82.5 8.08 TAS 5.0 0.76 m_e mb 4.3
 BSEG 43.43 P 19:08:24.493 -0.0 82.5 8.08 TAS 10.7 0.74 m_e mb 4.7
 CLL 41.98 P 19:08:12.325 2.5 82.5 8.08 TAS 3.7 0.78 m_e mb 4.2
 CLZ 43.56 P 19:08:25.728 -0.6 82.5 8.08 TAS 3.2 0.79 m_e mb 4.1
 FLT1 42.99 P 19:08:20.333 -0.6 82.5 8.08 TAS 13.5 0.75 m_e mb 4.8
 GRA1 43.28 P 19:08:24.342 82.5 8.08 TAS 6.0 0.85 m_e mb 4.3
 GRA1 43.28 L 19:29:45.376 T__ 232.0 19.20 a_e Ms 4.1
 HLG 44.84 P 19:08:35.885 0.6 82.5 8.08 TAS 94.6 1.01 m_e mb 5.7
 IBBN 45.12 P 19:08:38.011 -0.8 82.5 8.08 TAS 12.3 0.90 m_e mb 4.8
 MOX 42.91 P 19:08:20.467 82.5 8.08 TAS 4.4 1.10 m_e mb 4.1
 MOX 42.91 L 19:28:17.106 T__ 402.8 19.40 a_e Ms 4.3
 NEUB 42.76 P 19:08:18.904 0.7 82.5 8.08 TAS m_e
 NRDL 43.66 P 19:08:26.540 -0.3 82.5 8.08 TAS 9.7 0.89 m_e mb 4.5

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TANN	42.40	P	19:08:16.535	82.5	8.08	TAS	2.2	0.86	m_e	mb	3.9
UBR	44.32	P	19:08:32.012	82.5	8.08	TAS	6.7	0.91	m_e	mb	4.4
WET	42.27	P	19:08:16.563	82.5	8.08	TAS	1.7	0.91	m_e	mb	3.8

Event 80918005 Kermadec Islands, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/18	09:24:17.40			-30.0100	-177.7400				73.0					159.20	159.20	m i ke	EMSC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	159.20		PKPab	09:44:44.588		22.4		3.85		TAS				m_e	

Event 80918007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/18	12:38:35.80			-20.5300	-178.2500				527.0					149.94	149.94	m i ke	EMSC

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.94		PKPbc	12:57:26.225		17.9		1.59		TAS				m_e	

Event 80918002 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
2018/09/18	16:21:48.90			38.4900	141.6200				60.0					81.89	81.89	m i ke	EMSC

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 80918008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	81.89		P	16:34:02.546		37.1		4.47		TAS		7.9	0.90	m_e	mb	4.8

Event 80919001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/18	23:44:08.40			-18.1600	-178.1000				538.0					147.66	147.66	m i ke	NEIC
OrigID 80919040																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.66		PKPbc	00:02:52.514		16.7		1.86		TAS					m_e

Event 80919002 Carlsberg Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/19	08:53:13.60			10.3900	56.9300				10.0					54.38	54.64	m i ke	EMSC
OrigID 80919034																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	80919008
Ms	4.3		BGR	80919008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	54.38		P	09:02:38.311		120.0		8.58		TAS		14.4	0.88	m_e mb	5.0
GRA1	54.38		L	09:26:00.146						T__		216.0	21.60	a_e Ms	4.2
MOX	54.64		L	09:29:32.431						T__		340.8	18.20	a_e Ms	4.5

Event 80922001 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/22	08:35:39.14			48.9670	147.1680				33.0				11	72.35	74.63	m i ke	BGR
OrigID 80922007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	80922007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	74.27		P	08:47:11.332		28.3		5.82		TAS		52.3	1.07	m_e mb	5.5
CLL	72.71		P	08:47:02.482	0.2	28.3		5.82		TAS		49.4	1.18	m_e mb	5.5
CLZ	73.03		P	08:47:04.923	0.2	28.3		5.82		TAS		65.9	1.39	m_e mb	5.6
FLT1	72.35		P	08:47:00.254	-0.1	28.3		5.82		TAS		27.7	1.00	m_e mb	5.3
GEC2	74.62		P	08:47:13.532		28.3		5.82		TAS		24.0	1.30	m_e mb	5.1
KAST	74.16		P	08:47:11.012		28.3		5.82		TAS		37.0	1.20	m_e mb	5.3
MANZ	74.14		P	08:47:10.819		28.3		5.82		TAS		8.9	1.35	m_e mb	4.6

MOX	73.71	P	08:47:08.270	28.3	5.82	TAS	32.7	1.25	m_e	mb	5.2
PLN	73.68	P	08:47:08.309	28.3	5.82	TAS	32.1	1.34	m_e	mb	5.2
ROTZ	74.30	P	08:47:12.028	28.3	5.82	TAS	12.3	1.41	m_e	mb	4.7
WET	74.63	P	08:47:13.952	28.3	5.82	TAS	49.1	1.27	m_e	mb	5.4

Event 80922002 Northwest of Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/22	10:58:39.39			29.0170	126.6070				33.0			26		79.98	85.27	m i ke	BGR
	80922008																

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	80922008
Ms	5.5		BGR	80922008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.27		P	11:11:11.009		52.8		5.19		TAS		147.6	1.97	m_e	mb	5.9
BRG	80.82		P	11:10:48.155	-1.2	52.8		5.19		TAS		66.8	1.26	m_e	mb	5.5
BSEG	80.81		P	11:10:47.458	-0.9	52.8		5.19		TAS		76.9	1.22	m_e	mb	5.6
BUG	83.81		P	11:11:03.617		52.8		5.19		TAS		120.9	1.40	m_e	mb	5.9
CLZ	82.05		P	11:10:56.272	-0.0	52.8		5.19		TAS		190.3	1.11	m_e	mb	6.1
FLT1	81.33		P	11:10:51.805	-0.7	52.8		5.19		TAS		136.9	1.17	m_e	mb	5.9
FUR	83.83		P	11:11:04.478	-0.9	52.8		5.19		TAS		285.0	1.62	m_e	mb	6.2
GEC2	82.12		P	11:10:56.730	-0.0	52.8		5.19		TAS		39.0	1.16	m_e	mb	5.4
GOR1	80.90		P	11:10:48.259	0.4	52.8		5.19		TAS		278.6	1.48	m_e	mb	6.1
GRA1	82.93		L	11:46:27.047						T__		2325.9	20.60	a_e	Ms	5.5
GRA1	82.93		P	11:11:00.055	0.4	52.8		5.19		TAS		220.4	1.46	m_e	mb	6.2
GTTG	82.43		P	11:10:58.215	0.4	52.8		5.19		TAS		132.5	1.06	m_e	mb	6.0
IBBN	83.03		P	11:11:00.545	0.1	52.8		5.19		TAS		176.9	1.08	m_e	mb	6.2
KAST	83.41		P	11:11:02.635	-0.3	52.8		5.19		TAS		57.6	1.11	m_e	mb	5.7
MANZ	82.29		P	11:10:56.432	1.1	52.8		5.19		TAS		75.8	2.20	m_e	mb	5.4
MOX	82.15		L	11:46:07.023						T__		2207.2	19.20	a_e	Ms	5.5
MOX	82.15		P	11:10:55.683	0.1	52.8		5.19		TAS		65.3	1.32	m_e	mb	5.6
NEUB	81.75		P	11:10:54.579	0.6	52.8		5.19		TAS		134.9	1.12	m_e	mb	6.0
NRDL	81.78		P	11:10:54.349	1.2	52.8		5.19		TAS		106.2	1.20	m_e	mb	5.8
PLN	81.97		P	11:10:54.133	1.1	52.8		5.19		TAS		49.9	1.12	m_e	mb	5.5
RETH	81.99		P	11:10:55.236	-0.0	52.8		5.19		TAS		135.1	1.14	m_e	mb	6.0
RJOB	83.26		P	11:11:01.035	-0.7	52.8		5.19		TAS		55.7	0.96	m_e	mb	5.8
ROTZ	82.37		P	11:10:56.940	0.3	52.8		5.19		TAS		21.5	1.19	m_e	mb	5.2
RUE	79.98		P	11:10:44.123	-0.7	52.8		5.19		TAS		122.6	1.13	m_e	mb	5.7
TANN	81.86		P	11:10:53.509	-0.6	52.8		5.19		TAS		83.9	1.63	m_e	mb	5.6
TNS	84.01		P	11:11:05.050		52.8		5.19		TAS		81.2	1.62	m_e	mb	5.7
UBBA	82.86		P	11:10:59.099	-0.4	52.8		5.19		TAS		150.9	1.61	m_e	mb	6.0
WET	82.39		P	11:10:56.910	-0.3	52.8		5.19		TAS		219.8	2.31	m_e	mb	5.9

Event 80923001 Mariana Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/23	05:53:09.89			18.2830	144.9340				38.0			17		98.96	103.21	m i ke	BGR
OrigID 80923007																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	80923007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	103.21		PP	06:11:16.234						T__		141.6	1.44	m_e	
BUG	101.33		PP	06:11:03.670	1.3					T__		82.6	1.25	m_e	
CLL	98.96		PP	06:10:42.804	-0.5					T__		60.4	1.04	m_e	
CLZ	99.73		PP	06:10:51.709	1.2					T__		158.7	1.55	m_e	
FLT1	99.01		PP	06:10:45.882	-3.2					T__		64.7	1.46	m_e	
GEC2	100.35		PP	06:10:57.495						T__		34.0	1.11	m_e	
GRA1	100.91		L	06:22:33.567						T__		1255.0	21.90	a_e Ms	5.4
GTTG	100.12		PP	06:10:55.761	0.4					T__		164.1	1.36	m_e	
KAST	101.03		PP	06:11:01.691	0.0					T__		137.2	1.23	m_e	
MOX	100.05		L	06:59:28.303						T__		1325.0	21.20	a_e Ms	5.4
MOX	100.05		PP	06:10:50.546						T__		119.1	1.54	m_e	
NRDL	99.37		PP	06:10:49.997	-2.7					T__		89.5	1.39	m_e	
PLN	99.92		PP	06:10:53.999						T__		62.9	1.66	m_e	
ROTZ	100.41		PP	06:10:57.742						T__		7.3	1.23	m_e	
STU	102.50		PP	06:11:13.451						T__		379.4	1.40	m_e	
TNS	101.75		PP	06:11:07.005						T__		82.5	1.35	m_e	
UBBA	100.64		PP	06:10:56.910	-1.4					T__		105.4	1.48	m_e	
WET	100.53		PP	06:10:57.471						T__		33.7	0.98	m_e	
WLF	103.14		PP	06:11:16.708						T__		79.1	1.43	m_e	

Event 80925003 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
2018/09/25	03:31:04.90			38.9500	142.0100				60.0					81.65	81.65	m i ke	EMSC
OrigID 80925035																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	80925009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.65		P	03:43:16.897		36.6		4.38		TAS		8.8	0.82	m_e mb	4.9

Event 80925004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/25	08:53:51.79			49.8010	153.6400				33.0			21		72.12	77.78	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	80925010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.78		P	09:05:43.169		24.0		5.74		TAS		42.9	1.21	m_e mb	5.5
BRG	73.97		P	09:05:21.697	-0.1	24.0		5.74		TAS		38.3	1.14	m_e mb	5.3
BSEG	72.12		P	09:05:11.471	-0.0	24.0		5.74		TAS		44.8	1.01	m_e mb	5.5
CLL	73.83		P	09:05:20.843	-0.1	24.0		5.74		TAS		65.3	0.93	m_e mb	5.7
CLZ	74.03		P	09:05:22.645	-0.2	24.0		5.74		TAS		115.1	1.28	m_e mb	5.8
FLT1	73.36		P	09:05:17.768	-0.0	24.0		5.74		TAS		64.1	1.17	m_e mb	5.6
GRA1	75.78		P	09:05:32.800		24.0		5.74		TAS		90.3	1.09	m_e mb	5.8
IBBN	74.23		P	09:05:23.529	-0.3	24.0		5.74		TAS		54.2	1.03	m_e mb	5.5
KAST	75.10		P	09:05:28.312	0.0	24.0		5.74		TAS		41.2	1.03	m_e mb	5.4
MANZ	75.27		P	09:05:29.303		24.0		5.74		TAS		9.8	1.14	m_e mb	4.7
MOX	74.80		P	09:05:26.744	0.5	24.0		5.74		TAS		44.4	1.12	m_e mb	5.4
NRDL	73.50		P	09:05:19.144	-0.7	24.0		5.74		TAS		41.9	1.07	m_e mb	5.5
PLN	74.80		P	09:05:26.690	0.4	24.0		5.74		TAS		53.2	1.21	m_e mb	5.4
RETH	73.45		P	09:05:19.035	0.2	24.0		5.74		TAS		53.6	1.26	m_e mb	5.5
RJOB	77.13		P	09:05:40.199		24.0		5.74		TAS		26.0	0.99	m_e mb	5.3
ROTZ	75.45		P	09:05:30.588		24.0		5.74		TAS		14.5	1.15	m_e mb	4.9
RUE	72.57		P	09:05:13.844	0.4	24.0		5.74		TAS		61.2	0.91	m_e mb	5.7
TANN	74.79		P	09:05:26.648	-0.6	24.0		5.74		TAS		68.6	1.66	m_e mb	5.4
TNS	76.00		P	09:05:33.601	0.1	24.0		5.74		TAS		37.0	0.98	m_e mb	5.5
UBBA	75.06		P	09:05:28.148	0.2	24.0		5.74		TAS		108.7	1.68	m_e mb	5.6
WET	75.83		P	09:05:32.990		24.0		5.74		TAS		66.3	1.11	m_e mb	5.7

Event 80925002 Near coast of Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/25	22:56:46.60			-15.3600	-74.9600				48.0					99.12	99.12	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	99.12		Pdiff	23:10:22.731						T__				m_e	

Event 80926001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/26	00:37:32.50			-18.0800	-178.0300				566.0					147.60	147.60	m i ke	EMSC
OrigID 80926033																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.60		PKPbc	00:56:13.407		16.6		1.97		TAS					m_e

Event 80926002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/26	21:53:15.40			-17.8200	-178.1900				503.0					147.31	147.31	m i ke	EMSC
OrigID 80926034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.31		PKPbc	22:12:00.565		16.8		2.04		TAS					m_e

Event 80927005 Southern Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/27	10:21:50.11	0.75	1.94	36.3670	21.5420	68.9	18.9	60	10.0				20 343	13.08	17.56	m i ke	BGR
OrigID 80927011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	15.41		Sn	10:27:56.600	-2.5					T__					m_e
BRG	15.50		Pn	10:25:22.682	-1.8					T__					m_e
CLL	16.14		Pn	10:25:34.823	1.8					T__					m_e
CLZ	17.39		Pn	10:25:48.501	-1.3					T__					m_e
FUR	14.01		Sn	10:27:27.468	0.8					T__					m_e
GEC2	13.73		Pn	10:24:58.400	-2.4					T__					m_e
GRA1	15.29		Sn	10:27:53.597	-2.6					T__					m_e
KAST	17.56		Pn	10:25:53.014	1.1					T__					m_e
MANZ	15.23		Sn	10:27:52.858	-2.2					T__					m_e
MANZ	15.23		Pn	10:25:20.182	-0.8					T__					m_e
MOX	15.96		Pn	10:25:29.346	-1.3					T__					m_e

MOX	15.96	Sn	10:28:12.884	1.0	T__	m_e
NEUB	16.39	Pn	10:25:38.843	2.4	T__	m_e
PLN	15.65	Sn	10:28:05.362	0.6	T__	m_e
PLN	15.65	Pn	10:25:30.183	3.6	T__	m_e
RJOB	13.08	Sn	10:27:05.255	0.3	T__	m_e
RJOB	13.08	Pn	10:24:50.105	-2.0	T__	m_e
ROTZ	15.01	Sn	10:27:53.292	3.4	T__	m_e
ROTZ	15.01	Pn	10:25:16.534	-1.4	T__	m_e
TANN	15.50	Pn	10:25:23.353	-1.1	T__	m_e
TNS	16.78	Pn	10:25:43.062	1.5	T__	m_e
UBBA	16.66	Pn	10:25:42.929	3.0	T__	m_e
UBR	14.12	Sn	10:27:30.391	1.1	T__	m_e
UBR	14.12	Pn	10:25:05.657	-0.4	T__	m_e
WET	14.25	Pn	10:25:05.169	-2.7	T__	m_e
WLF	17.37	Pn	10:25:51.199	1.8	T__	m_e

Event 80927004 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/27	10:32:15.00			47.6500	154.0100				40.0					76.87	77.85	m i ke	EMSC
OrigID 80927036																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80927010
Ms	5.0		BGR	80927010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	77.85		P	10:44:08.496		24.7		4.72		TAS		12.9	0.84	m_e	mb 5.1
GRA1	77.85		L	11:29:48.035						T__		684.7	18.60	a_e	Ms 5.0
MOX	76.87		L	11:30:15.086						T__		937.9	19.90	a_e	Ms 5.1

Event 80927003 Xizang

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/27	21:13:19.60			34.1900	80.7900				10.0					51.76	52.17	m i ke	EMSC
OrigID 80927035																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	80927009
Ms	4.6		BGR	80927009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	52.17		P	21:22:31.011		79.6		6.51		TAS		23.0	0.90	m_e	mb 5.1

GRA1	52.17	L	21:45:12.995	T__	797.6	19.30	a_e Ms	4.8
MOX	51.76	L	21:44:17.075	T__	403.9	20.30	a_e Ms	4.4

Event 80927002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/27	22:25:43.10			-18.2400	-178.2200				539.0					147.72	147.72	m i ke	EMSC
OrigID 80927034																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	147.72		PKPbc	22:44:27.194		17.0		2.22		TAS				m_e	

Event 80928003 Near east coast of Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2018/09/28	07:19:53.55			55.6690	161.5380				33.0				21	69.54	74.27	m i ke	BGR
OrigID 80928009																	

Magnitude Err Nsta Author OrigID

mb	5.3		BGR	80928009
Ms	5.8		BGR	80928009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	73.97		P	07:31:23.304		17.1		6.01		TAS		18.5	0.85	m_e mb	5.1
BRG	70.46		P	07:31:02.376	0.1	17.1		6.01		TAS		18.7	0.97	m_e mb	5.2
BUG	71.14		P	07:31:06.617	0.1	17.1		6.01		TAS		39.6	1.01	m_e mb	5.5
CLL	70.24		P	07:31:00.985	-0.3	17.1		6.01		TAS		51.7	1.01	m_e mb	5.6
CLZ	70.22		P	07:31:01.680	-0.0	17.1		6.01		TAS		41.0	0.90	m_e mb	5.6
FLT1	69.60		P	07:30:57.022	0.4	17.1		6.01		TAS		16.7	0.95	m_e mb	5.2
GEC2	72.44		P	07:31:14.547		17.1		6.01		TAS		12.9	0.82	m_e mb	5.1
GRA1	72.13		P	07:31:13.083	0.1	17.1		6.01		TAS		56.0	0.80	m_e mb	5.7
GRA1	72.13		L	08:03:37.579						T__		4999.7	21.90	a_e Ms	5.7
IBBN	70.23		P	07:31:01.333	-0.5	17.1		6.01		TAS		30.9	0.83	m_e mb	5.5
KAST	71.18		P	07:31:07.104	-0.3	17.1		6.01		TAS		28.3	1.07	m_e mb	5.3
MANZ	71.67		P	07:31:09.954	0.4	17.1		6.01		TAS		5.8	1.00	m_e mb	4.7
MOX	71.14		P	07:31:06.756	0.1	17.1		6.01		TAS		33.2	0.96	m_e mb	5.4
MOX	71.14		L	08:08:10.255						T__		5316.6	20.50	a_e Ms	5.8
PLN	71.19		P	07:31:07.173	-0.0	17.1		6.01		TAS		23.6	0.86	m_e mb	5.3
RETH	69.54		P	07:30:57.231	0.1	17.1		6.01		TAS		14.0	0.90	m_e mb	5.1
RJOB	73.68		P	07:31:22.122		17.1		6.01		TAS		18.0	0.74	m_e mb	5.2
ROTZ	71.86		P	07:31:11.414	0.0	17.1		6.01		TAS		5.1	0.91	m_e mb	4.7

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TANN	71.19	P	07:31:07.243	0.3	17.1	6.01	TAS	13.4	0.97	m_e	mb	5.0
TNS	72.12	P	07:31:12.666	0.4	17.1	6.01	TAS	1831.5	4.90	m_e	mb	6.5
UBBA	71.27	P	07:31:07.294	0.1	17.1	6.01	TAS	94.4	1.87	m_e	mb	5.6
UBR	74.27	P	07:31:25.360		17.1	6.01	TAS	27.9	0.89	m_e	mb	5.3
WET	72.32	P	07:31:14.265	-0.2	17.1	6.01	TAS	23.3	0.93	m_e	mb	5.3