

MONTHLY BULLETIN of REGIONAL and TELESEISMIC EVENTS RECORDED with GRF- and GRSN-STATIONS in GERMANY  
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(produced by SZO/BGR - HANNOVER)

October 2017

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

Event 71001001 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/01	01:25:07.05			36.7200	142.1080				33.0					83.62	83.62	m i ke	BGR
OrigID 71001007																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.7			BGR	71001007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.62		P	01:37:30.945		42.4		4.54		TAS		5.8	1.10	m_e mb	4.7

Event 71001002 Northern Colombia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/01	01:36:02.88			7.5100	-73.1500				143.0					80.68	80.68	m i ke	NEIC
OrigID 71001041																	

Magnitude	Err	Nsta	Author	OrigID
mb 4.9			BGR	71001008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	80.68		P	01:47:56.800		270.6		6.12		TAS		18.2	1.53	m_e mb	4.9

Event 71001003 South of Fiji Islands

./2017/bull1710.txt

Thu Apr 23 08:38:25 2020

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/01	10:06:55.10			-24.4800	-176.6900				88.0					154.09	154.09	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	154.09		PKP	10:26:59.459		16.7		3.86		TAS				m_e	

Event 71001004 Andaman Islands, India, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/01	12:48:53.36			11.3600	93.5140				33.0					76.45	76.45	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	71001010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	76.45		P	13:00:39.861		100.1		5.07		TAS		2.5	0.92	m_e mb	4.3

Event 71001006 Shikoku, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/01	19:20:34.57			32.8140	132.3990				33.0					82.70	82.70	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	71001012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	82.70		P	19:32:53.905		54.7		4.61		TAS		1.7	0.68	m_e mb	4.4

Event 71002001 Sicily, Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author		
2017/10/02	01:26:57.20	5.47	1.26	38.7800	15.0900	134.5	26.7	170	295.0					13	314	7.74	12.12	m i ke	INGV

Magnitude	Err	Nsta	Author	OrigID											
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	8.47		Pn	01:28:58.266	-0.8					T__					m_e
BFO	10.73		Pn	01:29:24.181	-2.0					T__					m_e
DAVA	9.32		Pn	01:29:07.818	1.1					T__					m_e
GEC2	10.11		Pn	01:29:17.551	-0.5					T__					m_e
KBA	8.39		Pn	01:28:56.597	2.2					T__					m_e
MANZ	11.40		Pn	01:29:33.227	-1.3					T__					m_e
MOA	9.09		Pn	01:29:05.959	1.1					T__					m_e
MOX	12.12		Pn	01:29:42.561	-1.4					T__					m_e
OBER	9.31		Pn	01:29:07.593	1.3					T__					m_e
OBKA	7.74		Pn	01:28:48.049	0.8					T__					m_e
ROTZ	11.18		Pn	01:29:30.395	-1.1					T__					m_e
UBR	9.61		Pn	01:29:11.285	1.0					T__					m_e
WET	10.48		Pn	01:29:22.004	-0.4					T__					m_e

Event 71002002 Tajikistan-Xinjiang border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/02	05:13:25.76			38.1520	73.1410				125.5					44.86	44.86	m i ke	BGR
OrigID 71002008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	71002008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	44.86		P	05:21:26.215		87.3		7.03		TAS		24.8	1.06	m_e mb	5.1
GRA1	44.86		pP	05:21:54.824						T__					m_e

Event 71002003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/02	05:45:27.72			-21.5000	-178.0700				606.0	5.2		24		146.99	151.14	m i ke	BGR
OrigID 71002009																	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.68		PKPbc	06:04:07.153	0.3	17.3		2.40		TAS					m_e
ASSE	148.68		pPKPbc	06:06:25.417						T__					m_e
BRG	149.21		PKPbc	06:04:09.001	-0.4	17.3		2.40		TAS					m_e
BRG	149.21		PKPab	06:04:16.072	0.1	18.2		4.18		TAS					m_e



Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	144.46		PKPbc	21:57:32.152		40.4		3.01		TAS					m_e

Event 71003001 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/03	20:39:10.39			13.7100	-48.7400				33.0			31		58.13	62.57	m i ke	BGR
71003007																	

Magnitude Err Nsta Author OrigID

mb	5.3		BGR	71003007
Ms	4.9		BGR	71003007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	60.64		P	20:49:18.918	-0.2	254.8		6.83		TAS		35.3	1.10	a_e mb	5.1
BFO	58.13		P	20:49:01.268	-0.1	254.8		6.83		TAS		57.5	1.18	a_e mb	5.5
BRG	62.30		P	20:49:30.268	-0.3	254.8		6.83		TAS		38.2	1.17	a_e mb	5.5
BSEG	60.96		P	20:49:20.518	-0.3	254.8		6.83		TAS		55.9	0.95	a_e mb	5.4
BUG	58.42		P	20:49:03.218	-0.2	254.8		6.83		TAS		31.3	0.94	a_e mb	5.3
CLL	61.83		P	20:49:26.418	0.6	254.8		6.83		TAS		58.3	0.90	a_e mb	5.8
CLZ	60.38		P	20:49:16.818	0.4	254.8		6.83		TAS		46.7	1.15	a_e mb	5.4
FBE	61.95		P	20:49:28.152	0.3	254.8		6.83		TAS		65.4	1.42	m_e mb	5.7
FLT1	61.03		P	20:49:20.968	-0.3	254.8		6.83		TAS		63.0	1.20	a_e mb	5.3
FUR	59.99		P	20:49:14.268	0.3	254.8		6.83		TAS		47.4	1.06	a_e mb	5.4
GEC2	61.72		P	20:49:25.746	-0.3	254.8		6.83		TAS		33.6	1.38	m_e mb	5.4
GOR1	61.25		P	20:49:22.668	0.1	254.8		6.83		TAS		51.3	1.21	a_e mb	5.2
GRA1	60.33		P	20:49:16.068	-0.0	254.8		6.83		TAS		49.1	1.44	a_e mb	5.3
GRA1	60.33		L	21:12:14.041						T_		856.1	19.40	a_e Ms	4.9
GTTG	60.05		P	20:49:14.768	-0.4	254.8		6.83		TAS		67.1	1.20	a_e mb	5.5
GUNZ	61.19		P	20:49:22.468	-0.1	254.8		6.83		TAS		26.5	1.06	a_e mb	5.0
IBBN	58.98		P	20:49:07.218	0.0	254.8		6.83		TAS		77.6	0.96	a_e mb	5.7
KAST	59.02		P	20:49:07.518	-0.1	254.8		6.83		TAS		40.6	1.34	a_e mb	5.3
MANZ	60.96		P	20:49:20.613	-0.0	254.8		6.83		TAS		3.2	1.06	m_e mb	4.1
MOX	60.81		P	20:49:19.568	-0.1	254.8		6.83		TAS		18.1	1.00	a_e mb	4.9
NEUB	61.05		P	20:49:21.118	-0.1	254.8		6.83		TAS		60.0	0.83	a_e mb	5.5
NRDL	60.41		P	20:49:17.368	0.3	254.8		6.83		TAS		71.4	1.14	a_e mb	5.6
PLN	61.11		P	20:49:21.778	0.1	254.8		6.83		TAS		21.7	1.11	m_e mb	4.9
RETH	60.05		P	20:49:14.818	0.2	254.8		6.83		TAS		86.4	1.32	a_e mb	5.6
ROTZ	60.97		P	20:49:20.518	-0.3	254.8		6.83		TAS		4.6	1.04	a_e mb	4.2
RUE	62.57		P	20:49:31.518		254.8		6.83		TAS		80.7	1.06	a_e mb	5.8
STU	58.80		P	20:49:05.568	-0.4	254.8		6.83		TAS		122.0	1.10	a_e mb	5.8
TANN	61.28		P	20:49:23.068	-0.1	254.8		6.83		TAS		24.3	1.11	a_e mb	4.9
TNS	58.75		P	20:49:05.768	0.1	254.8		6.83		TAS		121.1	1.75	a_e mb	5.6
UBR	59.11		P	20:49:08.468	0.6	254.8		6.83		TAS		50.8	1.07	a_e mb	5.5

WERD	61.19	P	20:49:22.268	0.2	254.8	6.83	TAS	18.3	1.06	a_e	mb	4.8
WERN	61.20	P	20:49:22.618	-0.0	254.8	6.83	TAS	63.2	1.11	m_e	mb	5.4

Event 71004001 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/04	07:34:15.84			16.2590	-94.7320				33.0					87.70	87.70	m i ke	BGR
OrigID 71004007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71004007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	87.70		P	07:47:00.815		282.1		5.19		TAS		66.7	2.00	m_e	mb	5.6

Event 71006003 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/06	07:59:40.35			38.1020	144.2880				46.2	0.2		34		80.06	85.46	m i ke	BGR
OrigID 71006009																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.4		BGR	71006009
MBB	6.7		BGR	71006009
Ms	6.4		BGR	71006009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	81.47		P	08:11:52.555	-0.1	35.4		5.17		TAS		265.6	1.54	a_e	MBB	6.6
BFO	85.46		P	08:12:12.905	-0.1	35.4		5.17		TAS		416.7	1.06	a_e	MBB	6.9
BRG	81.27		P	08:11:51.905	0.3	35.4		5.17		TAS		333.3	1.09	a_e	MBB	6.6
BSEG	80.11		P	08:11:45.555	-0.0	35.4		5.17		TAS		274.8	0.98	a_e	MBB	6.5
BUG	83.22		P	08:12:01.629	-0.0	35.4		5.17		TAS		142.3	0.97	m_e	MBB	6.8
CLL	81.28		P	08:11:51.155	-0.5	35.4		5.17		TAS		418.3	0.99	a_e	MBB	6.6
CLZ	81.81		P	08:11:54.655	0.3	35.4		5.17		TAS		424.0	1.24	a_e	MBB	6.8
CLZ	81.81		pP	08:12:08.000	-2.0					T__				m_e		
FBE	81.46		P	08:11:52.605	0.0	35.4		5.17		TAS		423.2	1.03	a_e	MBB	6.6
FLT1	81.10		P	08:11:50.105	-0.6	35.4		5.17		TAS		354.1	1.13	a_e	MBB	6.6
FUR	84.48		P	08:12:08.105	0.2	35.4		5.17		TAS		698.4	0.88	a_e	MBB	7.1
GEC2	82.98		P	08:12:00.255	-0.2	35.4		5.17		TAS		252.8	1.22	a_e	MBB	6.6
GOR1	80.54		P	08:11:48.155	0.3	35.4		5.17		TAS		701.3	1.48	a_e	MBB	6.8
GRA1	83.26		P	08:12:02.355	0.2	35.4		5.17		TAS		1087.5	1.43	a_e	MBB	7.1
GRA1	83.26		L	08:52:50.778						T__		14997.7	18.60	a_e	Ms	6.4
GTTG	82.20		P	08:11:56.405	0.0	35.4		5.17		TAS		255.4	1.01	a_e	MBB	6.6

GTTG	82.20	pP	08:12:09.846	-2.0						T__							m_e	
GUNZ	82.29	P	08:11:56.905	0.0	35.4		5.17			TAS	272.3	1.07	a_e	MBB				6.5
IBBN	82.33	P	08:11:57.005	-0.0	35.4		5.17			TAS	486.4	1.17	a_e	MBB				6.8
KAST	83.03	P	08:12:00.605	-0.1	35.4		5.17			TAS	119.7	0.95	a_e	MBB				6.7
MANZ	82.68	P	08:11:58.955	0.4	35.4		5.17			TAS	45.3	0.98	a_e	MBB				6.1
MOX	82.33	P	08:11:57.105	-0.0	35.4		5.17			TAS	261.1	1.17	a_e	MBB				6.5
MOX	82.33	L	08:52:21.974							T__	15890.3	18.70	a_e	Ms				6.4
NEUB	81.83	P	08:11:54.305	-0.2	35.4		5.17			TAS	449.9	1.08	a_e	MBB				6.8
NRDL	81.37	P	08:11:52.005	-0.1	35.4		5.17			TAS	559.3	1.84	a_e	MBB				6.5
PLN	82.26	P	08:11:56.755	-0.1	35.4		5.17			TAS	227.7	1.31	a_e	MBB				6.7
RETH	81.43	P	08:11:52.455	0.1	35.4		5.17			TAS	405.4	1.36	a_e	MBB				6.6
RJOB	84.23	P	08:12:07.105	-0.4	35.4		5.17			TAS	528.7	1.07	m_e	MBB				6.9
ROTZ	82.82	P	08:12:00.055	0.5	35.4		5.17			TAS	140.9	1.44	a_e	MBB				6.3
RUE	80.06	P	08:11:45.255	-0.1	35.4		5.17			TAS	770.5	1.40	a_e	MBB				6.7
STU	84.77	P	08:12:09.505	-0.3	35.4		5.17			TAS	1192.3	1.02	a_e	MBB				7.3
TANN	82.20	P	08:11:56.505	0.0	35.4		5.17			TAS	442.8	1.81	a_e	MBB				6.6
TNS	83.84	P	08:12:04.855	0.0	35.4		5.17			TAS	245.5	1.33	a_e	MBB				6.7
TNS	83.84	pP	08:12:18.231	-2.0						T__								m_e
UBR	85.33	P	08:12:12.200		35.4		5.17			TAS	136.2	1.09	m_e	MBB				6.7
WERD	82.23	P	08:11:56.505	0.1	35.4		5.17			TAS	202.3	1.15	a_e	MBB				6.4
WERD	82.23	pP	08:12:09.897	-2.0						T__								m_e
WERN	82.34	P	08:11:57.155	0.0	35.4		5.17			TAS	231.3	0.98	a_e	MBB				6.5
WET	83.06	P	08:12:01.105	-0.2	35.4		5.17			TAS	407.2	1.35	a_e	MBB				6.8
WLF	85.11	P	08:12:11.855	0.5	35.4		5.17			TAS	594.6	1.43	a_e	MBB				7.0
WLF	85.11	pP	08:12:25.261	-2.0						T__								m_e

Event 71006008 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/06	14:56:37.67			37.0710	142.5740				33.0			32		80.44	85.72	m i ke	BGR
	71006014																

Magnitude	Err	Nsta	Author	OrigID
mb	6.2		BGR	71006014
MBB	6.4		BGR	71006014
Ms	5.5		BGR	71006014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.76		P	15:08:51.021	-0.5	37.1		5.15		TAS		112.7	1.23	m_e	MBB 6.2
BFO	85.72		P	15:09:11.683		37.1		5.15		TAS		342.2	1.04	a_e	MBB 6.6
BRG	81.49		P	15:08:50.423	-0.2	37.1		5.15		TAS		180.0	1.07	m_e	MBB 6.2
BSEG	80.44		P	15:08:44.633	-0.0	37.1		5.15		TAS		264.8	1.08	a_e	MBB 6.2
BUG	83.56		P	15:09:00.533	0.1	37.1		5.15		TAS		156.8	1.09	a_e	MBB 6.5
CLL	81.52		P	15:08:49.733	0.4	37.1		5.15		TAS		300.8	1.02	a_e	MBB 6.5
CLZ	82.10		P	15:08:53.265	0.2	37.1		5.15		TAS		385.4	1.24	m_e	MBB 6.5
FBE	81.69		P	15:08:51.133	-0.0	37.1		5.15		TAS		300.8	1.00	a_e	MBB 6.6

FLT1	81.39	P	15:08:48.933	-0.1	37.1	5.15	TAS	296.4	1.11	a_e	MBB	6.4
FUR	84.70	P	15:09:06.633		37.1	5.15	TAS	349.0	0.90	a_e	MBB	6.8
GEC2	83.17	P	15:08:58.433	-0.8	37.1	5.15	TAS	169.7	1.20	a_e	MBB	6.3
GRA1	83.50	P	15:09:00.933	0.1	37.1	5.15	TAS	435.3	1.07	a_e	MBB	6.8
GRA1	83.50	L	15:49:29.715				T__	1695.7	19.80	a_e	Ms	5.4
GTTG	82.49	P	15:08:55.333	-0.1	37.1	5.15	TAS	229.5	1.10	a_e	MBB	6.4
GUNZ	82.53	P	15:08:55.509	0.2	37.1	5.15	TAS	175.0	1.14	m_e	MBB	6.4
IBBN	82.67	P	15:08:56.183	0.2	37.1	5.15	TAS	301.3	1.03	a_e	MBB	6.7
KAST	83.34	P	15:08:59.733	-0.0	37.1	5.15	TAS	101.5	1.06	a_e	MBB	6.3
MANZ	82.92	P	15:08:57.483	-0.2	37.1	5.15	TAS	33.9	1.10	a_e	MBB	5.8
MOX	82.59	P	15:08:55.658	0.1	37.1	5.15	TAS	243.9	1.43	m_e	MBB	6.4
MOX	82.59	L	15:49:34.352				T__	2022.6	19.90	a_e	Ms	5.5
NEUB	82.09	P	15:08:52.983	-0.0	37.1	5.15	TAS	341.9	1.06	a_e	MBB	6.6
NRDL	81.68	P	15:08:50.933	-0.4	37.1	5.15	TAS	135.9	1.12	a_e	MBB	6.3
PLN	82.50	P	15:08:55.233	0.1	37.1	5.15	TAS	202.9	1.46	a_e	MBB	6.2
RETH	81.75	P	15:08:51.433	-0.6	37.1	5.15	TAS	274.5	1.19	m_e	mb	6.3
RJOB	84.41	P	15:09:05.383		37.1	5.15	TAS	222.2	1.02	m_e	MBB	6.5
ROTZ	83.05	P	15:08:58.350	-0.0	37.1	5.15	TAS	113.2	1.45	m_e	MBB	6.0
STU	85.03	P	15:09:08.233		37.1	5.15	TAS	726.2	1.01	a_e	MBB	7.0
TANN	82.44	P	15:08:54.761	0.3	37.1	5.15	TAS	202.2	1.58	m_e	MBB	6.2
TNS	84.13	P	15:09:03.733	0.2	37.1	5.15	TAS	171.6	1.41	a_e	MBB	6.3
UBR	85.55	P	15:09:10.167		37.1	5.15	TAS	105.4	1.16	m_e	MBB	6.2
WERD	82.47	P	15:08:55.083	0.1	37.1	5.15	TAS	165.8	1.25	a_e	MBB	6.2
WERN	82.57	P	15:08:55.683	0.5	37.1	5.15	TAS	181.4	1.09	a_e	MBB	6.4
WET	83.27	P	15:08:59.433	0.3	37.1	5.15	TAS	195.2	1.18	a_e	MBB	6.4
WLF	85.43	P	15:09:10.466	-0.2	37.1	5.15	TAS	440.4	1.62	m_e	MBB	6.6

Event 71008001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/07	23:58:37.75			-20.4390	-176.8600				33.0				18	146.11	150.42	m i ke	BGR
	71008007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	148.46		PKPbc	00:18:21.257	-0.7	15.3		2.56		TAS					m_e
BSEG	146.11		PKPbc	00:18:14.742	-0.1	15.3		2.56		TAS					m_e
CLL	148.23		PKPbc	00:18:20.241	0.2	15.3		2.56		TAS					m_e
FBE	148.53		PKPbc	00:18:21.317	-0.2	15.3		2.56		TAS					m_e
FLT1	147.55		PKPbc	00:18:18.448	0.3	15.3		2.56		TAS					m_e
GEC2	150.42		PKPbc	00:18:25.381		15.3		2.56		TAS					m_e
GTTG	148.50		PKPbc	00:18:21.257	0.1	15.3		2.56		TAS					m_e
GUNZ	149.26		PKPbc	00:18:23.229		15.3		2.56		TAS					m_e
IBBN	147.99		PKPbc	00:18:19.942	0.2	15.3		2.56		TAS					m_e
KAST	149.02		PKPbc	00:18:22.572	0.4	15.3		2.56		TAS					m_e



MANZ	149.67	PKPbc	00:18:24.126	15.3	2.56	TAS	m_e
MOX	149.12	PKPbc	00:18:22.632	15.3	2.56	TAS	m_e
NRDL	147.55	PKPbc	00:18:18.567	-0.1 15.3	2.56	TAS	m_e
PLN	149.18	PKPbc	00:18:22.751	15.3	2.56	TAS	m_e
ROTZ	149.86	PKPbc	00:18:24.305	15.3	2.56	TAS	m_e
TANN	149.19	PKPbc	00:18:22.871	15.3	2.56	TAS	m_e
WERD	149.19	PKPbc	00:18:22.931	15.3	2.56	TAS	m_e
WERN	149.33	PKPbc	00:18:23.528	15.3	2.56	TAS	m_e

Event 71008002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/08	14:04:47.63			-18.1630	-174.6470				33.0			18		145.54	150.31	m i k e	BGR
71008008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.9		BGR	71008008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.81		PKPbc	14:24:33.471		10.6		2.77		TAS				m_e	
BRG	146.65		PKPbc	14:24:25.664	0.7	10.6		2.77		TAS				m_e	
CLL	146.38		PKPbc	14:24:24.373	0.1	10.6		2.77		TAS				m_e	
CLZ	146.16		PKPbc	14:24:24.198	-0.1	10.6		2.77		TAS				m_e	
FBE	146.70		PKPbc	14:24:25.597	-0.7	10.6		2.77		TAS				m_e	
GEC2	148.65		PKPbc	14:24:30.496		10.6		2.77		TAS				m_e	
GRA1	148.19		PKPbc	14:24:29.621		10.6		2.77		TAS				m_e	
GRA1	148.19		L	15:31:19.311						T__		2431.8	21.80	a_e Ms	6.0
GUNZ	147.39		PKPbc	14:24:27.347		10.6		2.77		TAS				m_e	
MANZ	147.79		PKPbc	14:24:28.397		10.6		2.77		TAS				m_e	
MOX	147.21		L	15:35:22.127						T__		2184.4	21.60	a_e Ms	5.9
NRDL	145.54		PKPbc	14:24:21.923	-0.1	10.6		2.77		TAS				m_e	
PLN	147.29		PKPbc	14:24:26.997		10.6		2.77		TAS				m_e	
ROTZ	147.99		PKPbc	14:24:28.922		10.6		2.77		TAS				m_e	
STU	149.31		PKPbc	14:24:32.596		10.6		2.77		TAS				m_e	
TNS	147.92		PKPbc	14:24:29.097		10.6		2.77		TAS				m_e	
UBR	150.31		PKPbc	14:24:36.061		10.6		2.77		TAS				m_e	
WERD	147.31		PKPbc	14:24:27.172		10.6		2.77		TAS				m_e	
WERN	147.46		PKPbc	14:24:27.872		10.6		2.77		TAS				m_e	
WLF	148.57		PKPbc	14:24:31.196		10.6		2.77		TAS				m_e	

Event 71008007 Rat Islands, Aleutian Islands, United States

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

2017/10/08 22:34:24.12  
71008013

52.3410 177.5700

144.3 1.9 36 72.68 79.78 m i ke BGR

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	71008013
MBB	6.5		BGR	71008013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	77.18		P	22:46:10.533	-2.0	8.5		5.60		TAS		167.9	1.09	m_e	MBB 6.6
ASSE	75.32		P	22:46:02.110	-0.1	8.5		5.60		TAS		165.3	1.33	a_e	MBB 6.4
BFO	79.29		P	22:46:24.410	-0.0	8.5		5.60		TAS		172.1	1.25	a_e	MBB 6.4
BFO	79.29		pP	22:47:00.416						T__				m_e	
BRG	76.23		P	22:46:07.460	0.1	8.5		5.60		TAS		87.5	1.26	a_e	MBB 6.4
BSEG	73.56		P	22:45:52.360	-0.0	8.5		5.60		TAS		235.7	0.84	a_e	MBB 6.6
BUG	76.27		P	22:46:07.560	0.1	8.5		5.60		TAS		125.9	1.01	a_e	MBB 6.6
CLL	75.91		P	22:46:04.810	-0.7	8.5		5.60		TAS		143.6	1.36	a_e	MBB 6.4
CLZ	75.63		P	22:46:04.360	0.4	8.5		5.60		TAS		277.8	1.05	a_e	MBB 6.6
FBE	76.25		P	22:46:07.589	0.1	8.5		5.60		TAS		166.8	1.26	m_e	mb 6.0
FLT1	75.07		P	22:46:00.160	-0.7	8.5		5.60		TAS		91.6	0.95	a_e	MBB 6.4
FUR	79.19		P	22:46:23.860	-0.1	8.5		5.60		TAS		195.8	1.12	a_e	MBB 6.4
GEC2	78.26		P	22:46:18.660	-0.0	8.5		5.60		TAS		88.3	1.00	a_e	MBB 6.4
GOR1	74.41		P	22:45:57.210	0.1	8.5		5.60		TAS		464.7	1.60	a_e	MBB 6.7
GRA1	77.69		P	22:46:15.810	0.3	8.5		5.60		TAS		99.6	0.86	a_e	MBB 6.6
GTTG	75.96		P	22:46:06.060	0.2	8.5		5.60		TAS		157.8	1.08	a_e	MBB 6.6
GUNZ	76.91		P	22:46:11.060	-0.1	8.5		5.60		TAS		139.2	1.36	a_e	mb 5.9
IBBN	75.37		P	22:46:02.910	0.5	8.5		5.60		TAS		389.8	0.89	a_e	MBB 6.8
KAST	76.43		P	22:46:08.760	0.4	8.5		5.60		TAS		136.1	1.20	a_e	MBB 6.5
MANZ	77.31		P	22:46:13.260	-0.1	8.5		5.60		TAS		26.0	1.46	a_e	MBB 5.8
MANZ	77.31		pP	22:46:49.014						T__				m_e	
MOX	76.70		P	22:46:09.910	-0.1	8.5		5.60		TAS		62.9	0.93	a_e	MBB 6.5
NEUB	76.15		P	22:46:06.560	-0.3	8.5		5.60		TAS		163.0	1.11	a_e	MBB 6.6
NRDL	75.01		P	22:46:00.360	-0.1	8.5		5.60		TAS		107.1	0.95	a_e	MBB 6.4
PLN	76.81		P	22:46:10.460	-0.1	8.5		5.60		TAS		124.0	1.46	a_e	MBB 6.4
RETH	74.83		P	22:45:59.845	0.4	8.5		5.60		TAS		308.0	1.48	m_e	MBB 6.6
RGN	72.68		P	22:45:48.047	0.6	8.5		5.60		TAS		400.6	0.82	m_e	mb 6.6
RJOB	79.46		P	22:46:25.710	0.3	8.5		5.60		TAS		86.4	0.80	a_e	MBB 6.3
ROTZ	77.51		P	22:46:14.610	0.1	8.5		5.60		TAS		30.8	1.33	a_e	MBB 5.8
ROTZ	77.51		pP	22:46:49.843						T__				m_e	
RUE	74.67		P	22:45:58.160	-0.5	8.5		5.60		TAS		166.2	1.06	a_e	MBB 6.5
STU	78.78		P	22:46:21.460	-0.1	8.5		5.60		TAS		288.8	0.90	a_e	MBB 6.7
TANN	76.85		P	22:46:10.860	0.1	8.5		5.60		TAS		331.2	1.95	a_e	MBB 6.5
TNS	77.40		P	22:46:14.110	0.3	8.5		5.60		TAS		69.8	0.67	a_e	MBB 6.5
UBR	79.78		P	22:46:27.310	0.1	8.5		5.60		TAS		204.4	1.47	m_e	MBB 6.3
WERD	76.83		P	22:46:10.560	-0.1	8.5		5.60		TAS		128.5	1.36	a_e	mb 5.9
WERN	76.98		P	22:46:11.610	0.1	8.5		5.60		TAS		98.1	1.00	a_e	mb 5.9
WET	78.06		P	22:46:17.860	0.3	8.5		5.60		TAS		224.4	1.55	a_e	MBB 6.4
WLF	78.11		P	22:46:18.460	0.7	8.5		5.60		TAS		226.7	1.35	a_e	MBB 6.6

Event 71009001 South Indian Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/09	03:46:59.61			-12.0000	63.5200				33.0			22		74.59	78.87	m i ke	BGR
OrigID 71009007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	71009007
Ms	3.8		BGR	71009007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	75.99		P	03:58:43.802	-0.4	127.4		5.63		TAS		50.5	1.67	m_e mb	5.4
CLL	76.72		P	03:58:47.404	0.3	127.4		5.63		TAS		47.4	1.62	m_e mb	5.4
CLZ	78.34		P	03:58:56.205	0.3	127.4		5.63		TAS		39.8	1.32	m_e mb	5.4
FBE	76.30		P	03:58:45.123	-0.2	127.4		5.63		TAS		30.4	1.39	m_e mb	5.2
FLT1	78.22		P	03:58:54.999	0.1	127.4		5.63		TAS		48.6	1.42	m_e mb	5.4
GEC2	74.81		P	03:58:35.791		127.4		5.63		TAS		11.7	1.30	m_e mb	4.8
GRA1	76.61		P	03:58:46.203		127.4		5.63		TAS		37.8	1.28	m_e mb	5.4
GRA1	76.61		L	04:41:02.528						T__		48.9	21.80	a_e Ms	3.8
GTTG	78.37		P	03:58:56.392	0.2	127.4		5.63		TAS		41.8	1.62	m_e mb	5.3
GUNZ	76.46		P	03:58:46.012		127.4		5.63		TAS		29.9	1.35	m_e mb	5.2
MANZ	76.34		P	03:58:44.859		127.4		5.63		TAS		2.2	1.20	m_e mb	4.2
MOX	76.99		P	03:58:48.827	-0.8	127.4		5.63		TAS		22.8	1.46	m_e mb	5.1
MOX	76.99		L	04:33:10.715						T__		60.9	21.10	a_e Ms	3.9
NEUB	77.25		P	03:58:50.422	-0.2	127.4		5.63		TAS		27.1	1.13	m_e mb	5.3
NRDL	78.87		P	03:58:59.018	0.2	127.4		5.63		TAS		27.2	1.43	m_e mb	5.1
PLN	76.62		P	03:58:46.891	-0.1	127.4		5.63		TAS		9.8	1.17	m_e mb	4.8
RJOB	74.59		P	03:58:35.088		127.4		5.63		TAS		16.7	1.52	m_e mb	4.8
ROTZ	76.15		P	03:58:43.791		127.4		5.63		TAS		8.8	1.93	m_e mb	4.6
TANN	76.43		P	03:58:45.809		127.4		5.63		TAS		29.2	1.74	m_e mb	5.1
TNS	78.37		P	03:58:56.733		127.4		5.63		TAS		27.9	1.41	m_e mb	5.2
UBR	76.01		P	03:58:43.726		127.4		5.63		TAS		34.9	1.19	m_e mb	5.4
WERD	76.53		P	03:58:46.420	0.6	127.4		5.63		TAS		34.5	1.77	m_e mb	5.2
WERN	76.39		P	03:58:45.702		127.4		5.63		TAS		40.7	1.47	m_e mb	5.3
WET	75.42		P	03:58:39.131		127.4		5.63		TAS		17.3	1.44	m_e mb	4.9

Event 71010002 Northern Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/10	06:32:19.90			-18.6300	-69.5900				80.0			10		95.14	100.25	m i ke	EMSC
OrigID 71010034																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.6		BGR	71010008

MBB 6.8 BGR 71010008  
 Ms 5.7 BGR 71010008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	96.02		P	06:45:35.076	-1.9	251.1		4.74		TAS		318.9	1.45	a_e	MBB 6.9
ASSE	98.69		P	06:45:49.976	0.3	251.1		4.74		TAS		279.3	1.71	a_e	MBB 6.9
BFO	95.97		P	06:45:36.826	0.0	251.1		4.74		TAS		452.8	2.40	a_e	MBB 6.6
BRG	100.25		P	06:45:57.326	0.3	251.1		4.74		TAS		129.4	1.58	a_e	MBB 6.6
BRG	100.25		PP	06:49:58.078		259.3		7.65		TAS				m_e	
BSEG	99.08		P	06:45:51.176	-0.3	251.1		4.74		TAS		499.7	2.32	a_e	MBB 6.9
BUG	96.47		P	06:45:39.226	0.1	251.1		4.74		TAS		366.0	1.44	a_e	MBB 7.0
CLL	99.81		P	06:45:54.676	-0.3	251.1		4.74		TAS		92.6	1.37	a_e	MBB 6.6
CLZ	98.42		P	06:45:48.526	0.2	251.1		4.74		TAS		225.3	1.45	a_e	MBB 6.9
FBE	99.91		P	06:45:55.276	-0.1	251.1		4.74		TAS		108.5	1.38	a_e	MBB 6.6
FBE	99.91		PP	06:49:55.374		259.3		7.65		TAS				m_e	
FLT1	99.09		P	06:45:51.076	-0.4	251.1		4.74		TAS		214.6	1.61	a_e	MBB 6.9
FUR	97.76		P	06:45:45.376	0.1	251.1		4.74		TAS		1034.9	2.38	a_e	MBB 7.1
FUR	97.76		PP	06:49:41.750	0.7	259.3		7.65		TAS				m_e	
GEC2	99.51		P	06:45:53.026	-0.5	251.1		4.74		TAS		74.1	1.42	a_e	MBB 6.6
GOR1	99.34		P	06:45:52.676	-0.0	251.1		4.74		TAS		392.9	1.89	a_e	MBB 7.0
GRA1	98.23		P	06:45:47.626	0.2	251.1		4.74		TAS		157.3	1.46	a_e	MBB 6.8
GRA1	98.23		L	07:26:23.086						T__		2140.3	21.00	a_e	Ms 5.6
GTTG	98.09		P	06:45:46.876	0.1	251.1		4.74		TAS		195.4	1.40	a_e	MBB 6.9
GUNZ	99.12		P	06:45:51.726	0.1	251.1		4.74		TAS		110.7	1.56	a_e	MBB 6.7
IBBN	97.07		P	06:45:42.076	0.1	251.1		4.74		TAS		419.9	1.54	a_e	MBB 7.1
KAST	97.06		P	06:45:41.826	-0.1	251.1		4.74		TAS		142.3	1.41	a_e	MBB 6.7
MANZ	98.87		P	06:45:50.626	0.1	251.1		4.74		TAS		63.5	1.69	a_e	MBB 6.3
MANZ	98.87		PP	06:49:46.669		259.3		7.65		TAS				m_e	
MOX	98.77		P	06:45:50.076	0.1	251.1		4.74		TAS		180.3	1.94	a_e	MBB 6.7
MOX	98.77		L	07:27:04.794						T__		3129.4	21.10	a_e	Ms 5.8
NEUB	99.04		P	06:45:51.376	0.1	251.1		4.74		TAS		448.0	2.02	a_e	MBB 7.0
NRDL	98.49		P	06:45:48.976	0.3	251.1		4.74		TAS		285.2	1.65	a_e	MBB 7.0
PLN	99.05		P	06:45:51.376	0.0	251.1		4.74		TAS		178.3	1.80	a_e	MBB 6.8
RETH	98.14		P	06:45:47.476	0.5	251.1		4.74		TAS		490.8	1.66	a_e	MBB 7.2
RJOB	98.60		P	06:45:49.076	-0.2	251.1		4.74		TAS		138.3	1.82	a_e	MBB 6.8
RJOB	98.60		PP	06:49:47.459		259.3		7.65		TAS				m_e	
ROTZ	98.86		P	06:45:50.526	0.1	251.1		4.74		TAS		76.0	2.02	a_e	MBB 6.2
ROTZ	98.86		PP	06:49:46.762		259.3		7.65		TAS				m_e	
STU	96.67		P	06:45:39.926	-0.1	251.1		4.74		TAS		307.3	1.16	a_e	MBB 7.2
TANN	99.22		P	06:45:52.326	0.2	251.1		4.74		TAS		184.8	1.59	a_e	MBB 6.8
TANN	99.22		PP	06:49:49.458		259.3		7.65		TAS				m_e	
TNS	96.72		P	06:45:40.576	0.3	251.1		4.74		TAS		167.2	1.32	a_e	MBB 6.9
UBR	96.86		P	06:45:41.476	0.4	251.1		4.74		TAS		461.2	1.76	m_e	MBB 7.0
UBR	96.86		PP	06:49:34.500	0.4	259.3		7.65		TAS				m_e	
WERD	99.13		P	06:45:51.576	-0.1	251.1		4.74		TAS		110.8	1.52	a_e	MBB 6.6
WERD	99.13		PP	06:49:49.458		259.3		7.65		TAS				m_e	
WERN	99.12		P	06:45:51.826	0.1	251.1		4.74		TAS		347.7	2.12	a_e	MBB 6.7
WERN	99.12		PP	06:49:48.444		259.3		7.65		TAS				m_e	
WET	99.08		P	06:45:51.376	-0.1	251.1		4.74		TAS		96.8	1.42	a_e	MBB 6.8

WLF 95.14 P 06:45:33.526 0.7 251.1 4.74 TAS 620.5 1.58 a\_e MBB 7.0

Event 71010006 Bouvet Island region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/10/10 18:53:33.60 -54.3300 8.4900 10.0 8 103.17 106.98 m i ke EMSC
71010038

Magnitude Err Nsta Author OrigID
Ms 6.9 BGR 71010012

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
BRG 104.93 PP 19:12:00.051 185.7 7.02 TAS m\_e
FLT1 106.31 PP 19:12:05.993 185.7 7.02 TAS m\_e
GOR1 106.98 PP 19:12:11.696 185.7 7.02 TAS m\_e
GRA1 103.67 L 19:53:52.233 T\_\_ 38671.0 19.80 a\_e Ms 6.9
GTTG 105.51 PP 19:12:02.428 185.7 7.02 TAS m\_e
MANZ 103.99 PP 19:11:51.496 185.7 7.02 TAS m\_e
MOX 104.64 L 19:54:48.564 T\_\_ 33209.7 18.90 a\_e Ms 6.9
NRDL 106.46 PP 19:12:07.181 185.7 7.02 TAS m\_e
RETH 106.70 PP 19:12:10.746 185.7 7.02 TAS m\_e
WET 103.17 PP 19:11:45.080 1.2 185.7 7.02 TAS m\_e

Event 71011004 Tonga Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/10/11 13:15:08.97 -17.7120 -171.4500 33.0 21 145.04 149.85 m i ke BGR
71011010

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
ASSE 145.62 PKPbc 13:34:44.059 -0.1 4.8 2.79 TAS m\_e
BFO 149.46 PKPbc 13:34:54.657 -0.3 4.8 2.79 TAS m\_e
BRG 146.64 PKPbc 13:34:47.491 0.5 4.8 2.79 TAS m\_e
CLL 146.29 PKPbc 13:34:45.775 -0.2 4.8 2.79 TAS m\_e
CLZ 145.92 PKPbc 13:34:45.169 0.2 4.8 2.79 TAS m\_e
FBE 146.65 PKPbc 13:34:47.289 0.3 4.8 2.79 TAS m\_e
FLT1 145.39 PKPbc 13:34:42.949 -0.5 4.8 2.79 TAS m\_e
FUR 149.55 PKPbc 13:34:54.749 -0.3 4.8 2.79 TAS m\_e
GEC2 148.66 PKPbc 13:34:52.235 -0.5 4.8 2.79 TAS m\_e
GUNZ 147.29 PKPbc 13:34:49.005 0.2 4.8 2.79 TAS m\_e
IBBN 145.47 PKPbc 13:34:43.756 -0.1 4.8 2.79 TAS m\_e

KAST	146.59	PKPbc	13:34:47.087	0.1	4.8	2.79	TAS	m_e
MANZ	147.68	PKPbc	13:34:49.913	0.1	4.8	2.79	TAS	m_e
MOX	147.05	PKPbc	13:34:47.996	-0.1	4.8	2.79	TAS	m_e
PLN	147.18	PKPbc	13:34:48.399	-0.1	4.8	2.79	TAS	m_e
RETH	145.04	PKPbc	13:34:42.242	-0.3	4.8	2.79	TAS	m_e
RJOB	149.85	PKPbc	13:34:55.263		4.8	2.79	TAS	m_e
ROTZ	147.89	PKPbc	13:34:50.519	0.1	4.8	2.79	TAS	m_e
TANN	147.22	PKPbc	13:34:48.803	0.2	4.8	2.79	TAS	m_e
WERD	147.20	PKPbc	13:34:48.702	0.2	4.8	2.79	TAS	m_e
WERN	147.36	PKPbc	13:34:49.207	0.2	4.8	2.79	TAS	m_e
WLF	148.07	PKPbc	13:34:51.831	0.5	4.8	2.79	TAS	m_e

Event 71011007 Aegean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/11	22:49:43.40			39.1000	24.2300				7.0					11.97	16.66	m i ke	EMSC
OrigID 71011039																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	16.66		Pn	22:53:36.306						T__					m_e
BFO	14.72		Pn	22:53:12.464						T__					m_e
GEC2	12.33		Pn	22:52:38.696						T__					m_e
GRA1	14.07		Pn	22:53:02.552						T__					m_e
GUNZ	14.06		Pn	22:53:02.384						T__					m_e
MANZ	13.88		Pn	22:52:59.738						T__					m_e
MOX	14.58		Pn	22:53:07.592						T__					m_e
PLN	14.23		Pn	22:53:05.240						T__					m_e
RJOB	11.97		Pn	22:52:34.748						T__					m_e
TANN	14.05		Pn	22:53:02.097						T__					m_e
UBR	13.36		Pn	22:52:53.025						T__					m_e
WERD	14.14		Pn	22:53:04.316						T__					m_e
WERN	13.99		Pn	22:53:01.712						T__					m_e
WET	12.92		Pn	22:52:46.899						T__					m_e

Event 71012002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/12	06:12:38.31			37.0300	143.6300				33.0				12	81.82	86.16	m i ke	BGR
OrigID 71012008																	

Magnitude Err Nsta Author OrigID

mb 5.3 BGR 71012008  
 Ms 4.7 BGR 71012008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	86.16		P	06:25:16.467		36.0		5.10		TAS		40.0	1.08	m_e	mb 5.5
BRG	81.95		P	06:24:55.519		36.0		5.10		TAS				m_e	
CLL	81.97		P	06:24:54.826		36.0		5.10		TAS		29.3	1.01	m_e	mb 5.4
FBE	82.14		P	06:24:56.311		36.0		5.10		TAS		33.7	1.07	m_e	mb 5.4
FLT1	81.82		P	06:24:54.134	-0.0	36.0		5.10		TAS		38.3	1.17	m_e	mb 5.4
GEC2	83.64		P	06:25:03.534		36.0		5.10		TAS		14.5	1.04	m_e	mb 5.1
GRA1	83.95		L	07:05:12.635						T__		295.9	18.90	a_e	Ms 4.7
MANZ	83.37		P	06:25:02.347		36.0		5.10		TAS		3.0	0.95	m_e	mb 4.5
MOX	83.03		L	07:06:30.722						T__		350.1	18.00	a_e	Ms 4.8
RJOB	84.88		P	06:25:10.362		36.0		5.10		TAS		21.9	1.10	m_e	mb 5.3
ROTZ	83.50		P	06:25:03.435		36.0		5.10		TAS		6.2	1.28	m_e	mb 4.7
WERN	83.02		P	06:25:00.764		36.0		5.10		TAS		15.3	1.04	m_e	mb 5.2
WET	83.73		P	06:25:04.326		36.0		5.10		TAS		17.7	1.08	m_e	mb 5.2

Event 71012004 Eastern Xizang-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/12	07:52:17.42		29.4470	95.7880					33.0			10		63.17	67.04	m i ke	BGR
71012010																	

Magnitude 5.1 Err Nsta Author BGR OrigID 71012010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	67.04		P	08:03:06.365		73.6		6.53		TAS		9.5	0.93	m_e	mb 5.0
CLZ	64.73		P	08:02:51.412	-0.2	73.6		6.53		TAS		26.6	0.88	m_e	mb 5.5
FBE	63.17		P	08:02:40.876		73.6		6.53		TAS		14.1	0.99	m_e	mb 5.1
GEC2	63.48		P	08:02:43.547		73.6		6.53		TAS		9.9	0.89	m_e	mb 4.9
NRDL	64.71		P	08:02:51.331	-0.1	73.6		6.53		TAS		34.3	1.03	m_e	mb 5.5
ROTZ	64.18		P	08:02:48.195		73.6		6.53		TAS		5.2	1.00	m_e	mb 4.7
TANN	63.85		P	08:02:45.401		73.6		6.53		TAS		10.8	0.94	m_e	mb 5.1
WERD	63.93		P	08:02:46.146		73.6		6.53		TAS		11.3	0.93	m_e	mb 5.1
WERN	63.93		P	08:02:46.177		73.6		6.53		TAS		11.8	0.96	m_e	mb 5.1
WET	63.92		P	08:02:46.228		73.6		6.53		TAS		10.6	0.88	m_e	mb 5.1

Event 71012005 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/12	08:23:08.11		52.7290	-168.4550					33.0			11		75.31	79.96	m i ke	BGR

71012011

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	71012011
Ms	4.5		BGR	71012011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	79.28		P	08:35:09.047		359.8		5.58		TAS		13.6	1.03	m_e	mb	4.9
BRG	76.75		P	08:34:55.330		359.8		5.58		TAS		16.7	1.11	m_e	mb	5.1
CLL	76.33		P	08:34:52.281		359.8		5.58		TAS		23.1	1.26	m_e	mb	5.2
CLZ	75.80		P	08:34:50.040	-0.0	359.8		5.58		TAS		24.0	1.14	m_e	mb	5.2
FBE	76.71		P	08:34:54.881		359.8		5.58		TAS		37.0	1.32	m_e	mb	5.3
FLT1	75.31		P	08:34:46.544	-0.0	359.8		5.58		TAS		14.0	1.13	m_e	mb	4.9
GEC2	78.79		P	08:35:06.088		359.8		5.58		TAS		20.0	1.12	m_e	mb	5.1
GRA1	77.96		L	09:21:12.876						T__		196.2	18.90	a_e	Ms	4.5
MANZ	77.66		P	08:35:00.261		359.8		5.58		TAS		2.3	1.00	m_e	mb	4.3
MOX	77.00		L	09:20:34.073						T__		196.1	18.20	a_e	Ms	4.5
RJOB	79.91		P	08:35:12.543		359.8		5.58		TAS		13.6	1.02	m_e	mb	4.8
UBR	79.96		P	08:35:12.902		359.8		5.58		TAS		47.7	1.50	m_e	mb	5.2
WERN	77.36		P	08:34:58.557		359.8		5.58		TAS		12.5	0.98	m_e	mb	5.0

Event 71012009 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/12	15:50:38.78			71.6790	-2.8150				10.0			15		20.76	25.10	m i ke	BGR
				71012015													

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	71012015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	23.99		P	15:55:51.188		348.7		10.18		TAS		21.3	1.17	m_e	mb	4.6
BRG	22.21		P	15:55:35.255		348.7		10.18		TAS		17.1	0.97	m_e	mb	4.4
CLL	21.64		P	15:55:27.047	0.3	348.7		10.18		TAS		11.4	0.98	m_e	mb	4.3
CLZ	20.76		P	15:55:17.618	0.0	348.7		10.18		TAS		26.4	1.39	m_e	mb	4.4
FBE	22.07		P	15:55:31.625		348.7		10.18		TAS		28.8	1.05	m_e	mb	4.6
GEC2	24.15		P	15:55:53.724		348.7		10.18		TAS		18.4	1.25	m_e	mb	4.5
GRA1	22.98		L	16:02:35.122						T__		99.1	21.20	a_e		
KAST	21.16		P	15:55:24.138	-0.8	348.7		10.18		TAS		11.7	1.00	m_e	mb	4.2
MANZ	22.81		P	15:55:39.386		348.7		10.18		TAS		1.5	1.03	m_e	mb	3.5
MOX	22.10		P	15:55:31.988		348.7		10.18		TAS		15.4	1.09	m_e	mb	4.4
MOX	22.10		L	16:02:35.990						T__		65.5	19.50	a_e		
NEUB	21.58		P	15:55:26.433		348.7		10.18		TAS		32.4	0.96	m_e	mb	4.7
PLN	22.33		P	15:55:34.161		348.7		10.18		TAS		23.6	0.87	m_e	mb	4.6
RJOB	25.10		P	15:56:02.177		348.7		10.18		TAS		10.2	0.83	m_e	mb	4.6
TANN	22.44		P	15:55:35.490		348.7		10.18		TAS		12.0	0.92	m_e	mb	4.3



WERD	22.38	P	15:55:34.644	348.7	10.18	TAS	12.2	0.83	m_e	mb	4.4
WERN	22.55	P	15:55:36.939	348.7	10.18	TAS	15.3	1.06	m_e	mb	4.5

## Event 71013006 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/13	08:00:56.35			52.3860	-170.1750				33.0					77.33	78.29	m i ke	BGR
OrigID 71013012																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	71013012
Ms	4.6		BGR	71013012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	78.29		P	08:12:51.404		1.7		4.85		TAS		37.7	1.40	m_e	mb	5.3
GRA1	78.29		L	08:59:02.693						T__		220.7	18.70	a_e	Ms	4.5
MOX	77.33		L	08:56:50.631						T__		268.4	18.50	a_e	Ms	4.6

## Event 71014004 Oaxaca, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/10/14	00:20:56.63			16.3830	-94.8950				33.0					32	84.63	89.53	m i ke	BGR
OrigID 71014010																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71014010
Ms	4.9		BGR	71014010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.45		P	00:33:35.189	-0.3	292.7		4.79		TAS		41.9	0.99	m_e	mb	5.5
BFO	86.43		P	00:33:34.111		292.7		4.79		TAS		66.6	1.52	m_e	mb	5.5
BFO	86.43		L	01:09:07.145						T__		489.2	21.30	a_e	Ms	4.9
BRG	88.83		P	00:33:45.657	0.1	292.7		4.79		TAS		6.7	0.76	m_e	mb	4.9
BSEG	85.58		P	00:33:30.244	0.8	292.7		4.79		TAS		57.0	0.86	a_e	mb	5.7
BSEG	85.58		L	01:12:18.437						T__		553.5	18.20	a_e	Ms	5.0
BUG	84.72		P	00:33:26.530	0.2	292.7		4.79		TAS		104.6	1.52	m_e	mb	5.8
CLL	88.11		P	00:33:42.407	-0.5	292.7		4.79		TAS		16.8	0.80	m_e	mb	5.4
CLL	88.11		L	01:12:47.413						T__		379.6	20.70	a_e	Ms	4.8
CLZ	86.39		P	00:33:35.218	-0.6	292.7		4.79		TAS		48.5	0.94	m_e	mb	5.6
FBE	88.47		P	00:33:44.642	0.4	292.7		4.79		TAS		34.7	1.20	m_e	mb	5.6
FLT1	86.70		P	00:33:35.679	0.0	292.7		4.79		TAS		46.0	0.98	m_e	mb	5.6
FUR	88.32		P	00:33:44.194		292.7		4.79		TAS		25.9	0.76	m_e	mb	5.6
FUR	88.32		L	01:11:21.782						T__		471.7	21.30	a_e	Ms	4.9

GEC2	89.53	P	00:33:48.994	292.7	4.79	TAS	12.5	1.08	a_e	mb	5.1
GEC2	89.53	L	01:12:43.925			T__	418.0	21.80	a_e	Ms	4.8
GRA1	87.70	P	00:33:41.597	-0.3 292.7	4.79	TAS	28.3	1.00	m_e	mb	5.6
GRA1	87.70	L	01:08:32.273			T__	450.8	21.90	a_e	Ms	4.8
GTTG	86.26	P	00:33:34.633	-0.1 292.7	4.79	TAS	83.4	0.92	m_e	mb	5.9
GUNZ	88.10	P	00:33:42.694	0.8 292.7	4.79	TAS	27.5	0.84	a_e	mb	5.6
IBBN	84.71	P	00:33:26.034	0.7 292.7	4.79	TAS	138.5	1.21	m_e	mb	6.1
KAST	85.48	P	00:33:29.594	-0.6 292.7	4.79	TAS	63.8	1.20	a_e	mb	5.7
MANZ	88.12	P	00:33:42.794	-0.7 292.7	4.79	TAS	4.3	0.91	a_e	mb	4.8
MOX	87.57	P	00:33:39.592	0.1 292.7	4.79	TAS	37.6	1.20	m_e	mb	5.6
MOX	87.57	L	01:10:01.297			T__	429.2	21.90	a_e	Ms	4.8
NEUB	87.44	P	00:33:39.494	0.2 292.7	4.79	TAS	42.4	0.82	a_e	mb	5.6
NRDL	85.99	P	00:33:33.363	0.4 292.7	4.79	TAS	83.4	1.24	m_e	mb	5.7
PLN	87.95	P	00:33:42.186	0.0 292.7	4.79	TAS	26.2	0.95	m_e	mb	5.5
RETH	85.48	P	00:33:30.094	-0.3 292.7	4.79	TAS	93.2	1.10	a_e	mb	5.9
RJOB	89.43	P	00:33:48.802	292.7	4.79	TAS	13.5	0.91	m_e	mb	5.2
ROTZ	88.26	P	00:33:43.644	-0.6 292.7	4.79	TAS	8.9	1.50	a_e	mb	4.9
STU	86.81	P	00:33:35.892	292.7	4.79	TAS	130.0	0.77	m_e	mb	6.1
TANN	88.15	P	00:33:43.074	-0.1 292.7	4.79	TAS	37.5	1.09	m_e	mb	5.6
TNS	85.84	P	00:33:31.925	-0.6 292.7	4.79	TAS	87.9	0.83	m_e	mb	5.9
TNS	85.84	L	01:10:31.729			T__	417.4	21.00	a_e	Ms	4.8
UBR	87.78	P	00:33:42.302	292.7	4.79	TAS	48.9	1.11	m_e	mb	5.7
WERD	88.05	P	00:33:42.844	0.1 292.7	4.79	TAS	34.9	1.17	m_e	mb	5.6
WERN	88.15	P	00:33:43.094	-0.4 292.7	4.79	TAS	34.8	0.92	a_e	mb	5.7
WET	88.91	P	00:33:46.248	1.1 292.7	4.79	TAS	13.0	0.87	m_e	mb	5.2
WET	88.91	L	01:18:14.234			T__	544.3	18.30	a_e	Ms	5.0
WLF	84.63	P	00:33:25.993	0.4 292.7	4.79	TAS	59.4	0.74	m_e	mb	5.9

Event 71014006 Central Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/14	07:11:20.19			34.8840	14.4870				10.0					14.19	15.69	m i ke	BGR
71014012																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	14.19		P	07:14:48.313		169.6		11.85		TAS		11.7	0.68	m_e	
GRA1	14.99		P	07:14:55.547		169.6		11.85		TAS		10.3	0.60	m_e	
GRA1	14.99		L	07:20:35.350						T__		91.0	18.40	a_e	
PLN	15.69		L	07:23:24.858						T__		113.8	21.10	a_e	
WET	14.30		P	07:14:43.574		169.6		11.85		TAS		4.9	1.03	m_e	

Event 71014005 Reykjanes Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/14	19:37:42.33			60.5340	-28.2000				10.0					24.21	25.46	m i ke	BGR
OrigID 71014011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	71014011
Ms	3.6		BGR	71014011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	24.63		P	19:43:02.194		307.8		9.09		TAS		8.5	1.05	m_e	mb 4.4
GRA1	24.63		L	19:52:55.249						T__		238.8	18.40	a_e	Ms 3.7
GUNZ	24.74		P	19:43:02.206		307.8		9.09		TAS		6.2	1.01	m_e	mb 4.3
MOX	24.21		P	19:42:56.290		307.8		9.09		TAS		7.0	0.98	m_e	mb 4.2
MOX	24.21		L	19:53:16.328						T__		141.5	19.80	a_e	Ms 3.5
PLN	24.57		P	19:42:59.909		307.8		9.09		TAS		8.5	1.10	m_e	mb 4.4
UBR	25.46		P	19:43:08.082		307.8		9.09		TAS		12.1	1.22	m_e	mb 4.5
WERD	24.67		P	19:42:59.835		307.8		9.09		TAS		10.4	1.22	m_e	mb 4.4

Event 71016004 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/16	18:09:23.60			-23.7200	-175.4300				10.0					149.52	155.26	m i ke	NEIC
OrigID 71016043																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	71016010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.25		PKPab	18:29:18.972		13.8		3.80		TAS				m_e	
BFO	155.26		L	19:44:23.834						T__		618.5	20.00	a_e	Ms 5.4
BRG	151.94		PKPab	18:29:21.325		13.8		3.80		TAS				m_e	
BSEG	149.52		PKPab	18:29:14.936		13.8		3.80		TAS				m_e	
BSEG	149.52		L	19:46:45.460						T__		454.1	21.00	a_e	Ms 5.2
CLL	151.70		PKPab	18:29:20.126		13.8		3.80		TAS				m_e	
CLL	151.70		L	19:47:42.641						T__		853.4	18.80	a_e	Ms 5.6
CLZ	151.57		PKPab	18:29:20.038		13.8		3.80		TAS				m_e	
FBE	152.00		PKPab	18:29:20.873		13.8		3.80		TAS				m_e	
FLT1	150.98		PKPab	18:29:18.342		13.8		3.80		TAS				m_e	
FUR	155.03		L	19:46:42.699						T__		1161.6	19.00	a_e	Ms 5.7
GEC2	153.91		L	19:44:01.793						T__		1093.5	19.20	a_e	Ms 5.7
GRA1	153.56		PKPab	18:29:29.703		13.8		3.80		TAS		28.3	1.13	m_e	
GRA1	153.56		L	19:47:30.597						T__		840.7	19.00	a_e	Ms 5.6
KAST	152.40		PKPab	18:29:20.773		13.8		3.80		TAS				m_e	
MANZ	153.13		PKPab	18:29:23.964		13.8		3.80		TAS				m_e	

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MOX	152.57	L	19:47:04.325							T__	696.5	19.20	a_e	Ms	5.5
RETH	150.80	PKPab	18:29:18.511	13.8		3.80				TAS			m_e		
RUE	150.44	PKPab	18:29:17.902	13.8		3.80				TAS			m_e		
TNS	153.37	L	19:43:57.924							T__	813.6	20.00	a_e	Ms	5.5
WERD	152.65	PKPab	18:29:22.274	13.8		3.80				TAS			m_e		
WET	153.79	L	19:47:51.570							T__	960.0	18.20	a_e	Ms	5.7

Event 71017005 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/17	07:00:10.90			-16.4100	-173.2000				20.0					145.63	146.61	m i ke	EMSC
OrigID 71017037																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	71017011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	146.61		PKPab	07:19:51.453		7.7		3.49		TAS				m_e		
GRA1	146.61		L	08:30:02.170						T__		38.3	18.20	a_e	Ms	4.2
GUNZ	145.84		PKPab	07:19:48.850		7.7		3.49		TAS				m_e		
MOX	145.63		PKPab	07:19:48.035		7.7		3.49		TAS				m_e		
ROTZ	146.44		PKPab	07:19:50.827		7.7		3.49		TAS				m_e		
TANN	145.77		PKPab	07:19:48.412		7.7		3.49		TAS				m_e		
WERD	145.76		PKPab	07:19:48.459		7.7		3.49		TAS				m_e		
WERN	145.91		PKPab	07:19:49.145		7.7		3.49		TAS				m_e		

Event 71017006 Sea of Okhotsk

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/17	16:54:09.30			49.1300	147.7500				538.0					72.54	76.78	m i ke	EMSC
OrigID 71017038																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	71017012
Ms	3.6		BGR	71017012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	76.78		P	17:05:05.492		27.9		5.06		TAS		14.4	1.21	m_e	mb	5.0
CLL	72.74		P	17:04:42.658		27.9		5.06		TAS		42.5	0.48	m_e	mb	5.8
CLZ	73.05		P	17:04:45.088		27.9		5.06		TAS				m_e		
FBE	72.97		P	17:04:44.556		27.9		5.06		TAS		28.0	1.21	m_e	mb	5.3
GEC2	74.67		P	17:04:53.962		27.9		5.06		TAS		7.2	0.58	m_e	mb	4.9
GRA1	74.71		P	17:04:54.522		27.9		5.06		TAS		23.0	0.59	m_e	mb	5.4

GRA1	74.71	L	17:26:48.907						T__		18.80	a_e		
GUNZ	73.77	P	17:04:49.184	27.9	5.06				TAS	8.7	0.62	m_e mb	4.9	
MOX	73.74	L	17:23:38.415						T__	30.4	20.40	a_e Ms	3.6	
RETH	72.54	P	17:04:41.867	27.9	5.06				TAS	31.8	1.25	m_e mb	5.3	
WERD	73.71	P	17:04:48.461	27.9	5.06				TAS	4.2	0.66	m_e mb	4.6	
WERN	73.83	P	17:04:49.290	27.9	5.06				TAS	12.6	0.54	m_e mb	5.2	
WET	74.67	P	17:04:54.420	27.9	5.06				TAS	13.0	0.60	m_e mb	5.1	

Event 71018006 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/17	23:48:47.26			42.1400	145.1110				33.0			20		77.79	81.28	m i ke	BGR
	71018012																

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	71018012
Ms	3.8		BGR	71018012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	79.85		P	00:00:50.757		34.1		4.72		TAS		7.0	0.73	m_e mb	4.9
CLL	78.04		P	00:00:40.195	-0.2	34.1		4.72		TAS		6.3	0.75	m_e mb	4.7
CLZ	78.49		P	00:00:43.714	0.3	34.1		4.72		TAS		8.3	0.74	m_e mb	4.9
FBE	78.23		P	00:00:41.858	0.0	34.1		4.72		TAS		5.0	0.69	m_e mb	4.7
FLT1	77.79		P	00:00:38.883	0.4	34.1		4.72		TAS		9.7	0.74	m_e mb	4.9
FUR	81.28		P	00:00:58.816		34.1		4.72		TAS		8.9	0.81	m_e mb	4.9
GEC2	79.81		P	00:00:50.056		34.1		4.72		TAS		1.7	0.73	m_e mb	4.3
GRA1	80.01		P	00:00:52.003		34.1		4.72		TAS		10.7	0.74	m_e mb	5.1
GRA1	80.01		L	00:37:50.247						T__		50.0	19.40	a_e Ms	3.8
GTTG	78.88		P	00:00:45.169	-0.3	34.1		4.72		TAS		5.3	0.71	m_e mb	4.7
IBBN	78.95		P	00:00:45.887	-0.3	34.1		4.72		TAS		8.1	0.74	m_e mb	4.8
KAST	79.68		P	00:00:50.181		34.1		4.72		TAS		3.6	0.80	m_e mb	4.5
MANZ	79.45		P	00:00:48.516		34.1		4.72		TAS		0.6	0.76	m_e mb	3.8
MOX	79.07		L	00:37:11.422						T__		41.3	20.70	a_e Ms	3.7
NEUB	78.56		P	00:00:43.370	0.1	34.1		4.72		TAS		10.0	0.75	m_e mb	4.9
NRDL	78.03		P	00:00:41.101	-0.3	34.1		4.72		TAS		3.2	0.73	m_e mb	4.4
RETH	78.07		P	00:00:41.291	-0.6	34.1		4.72		TAS				m_e	
RJOB	81.07		P	00:00:57.661		34.1		4.72		TAS		5.9	0.78	m_e mb	4.8
ROTZ	79.60		P	00:00:49.580		34.1		4.72		TAS		0.7	0.75	m_e mb	3.9
WERD	79.00		P	00:00:45.376	0.3	34.1		4.72		TAS		2.4	0.83	m_e mb	4.3
WERN	79.10		P	00:00:46.593		34.1		4.72		TAS		3.7	0.80	m_e mb	4.6
WET	79.87		P	00:00:50.817		34.1		4.72		TAS		3.3	0.83	m_e mb	4.5

Event 71018007 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/18	12:01:00.40			-20.4700	-174.0300				15.0					146.43	152.65	m i ke	EMSC
71018039																	

Magnitude	Err	Nsta	Author	OrigID
Ms	6.4		BGR	71018013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.19		PKPab	12:20:43.445		10.1		5.02		TAS				m_e	
BFO	152.14		PKPab	12:20:51.999		10.1		5.02		TAS				m_e	
BFO	152.14		L	13:35:32.860						T__		5056.2	18.80	a_e Ms	6.4
BRG	149.01		PKPab	12:20:45.059		10.1		5.02		TAS				m_e	
BSEG	146.43		L	13:27:39.970						T__		3881.9	21.30	a_e Ms	6.2
BUG	149.07		PKPab	12:20:44.584		10.1		5.02		TAS				m_e	
CLL	148.73		PKPab	12:20:44.252		10.1		5.02		TAS				m_e	
CLL	148.73		L	13:31:46.588						T__		6663.8	19.10	a_e Ms	6.4
CLZ	148.50		PKPab	12:20:44.050		10.1		5.02		TAS				m_e	
FBE	149.06		PKPab	12:20:45.059		10.1		5.02		TAS				m_e	
FLT1	147.94		PKPab	12:20:42.740		10.1		5.02		TAS				m_e	
FUR	152.04		PKPab	12:20:50.991		10.1		5.02		TAS				m_e	
GEC2	151.02		PKPab	12:20:48.269		10.1		5.02		TAS				m_e	
GEC2	151.02		L	13:31:25.844						T__		6297.3	20.90	a_e Ms	6.4
GOR1	147.28		PKPab	12:20:42.034		10.1		5.02		TAS				m_e	
GRA1	150.54		PKPab	12:20:48.067		10.1		5.02		TAS				m_e	
GRA1	150.54		PP	12:24:27.581						T__				m_e	
GRA1	150.54		L	13:33:41.500						T__		7081.9	20.10	a_e Ms	6.5
GTTG	148.83		PKPab	12:20:44.454		10.1		5.02		TAS				m_e	
GUNZ	149.75		PKPab	12:20:46.454		10.1		5.02		TAS				m_e	
IBBN	148.19		PKPab	12:20:43.849		10.1		5.02		TAS				m_e	
KAST	149.27		PKPab	12:20:44.756		10.1		5.02		TAS				m_e	
MANZ	150.15		PKPab	12:20:46.656		10.1		5.02		TAS				m_e	
MOX	149.56		PKPab	12:20:45.563		10.1		5.02		TAS				m_e	
MOX	149.56		L	13:35:09.645						T__		7798.0	18.80	a_e Ms	6.5
NEUB	149.00		PKPab	12:20:44.958		10.1		5.02		TAS				m_e	
NRDL	147.88		PKPab	12:20:43.244		10.1		5.02		TAS				m_e	
PLN	149.65		PKPab	12:20:46.168		10.1		5.02		TAS				m_e	
RETH	147.69		PKPab	12:20:42.841		10.1		5.02		TAS				m_e	
RJOB	152.24		PKPab	12:20:51.495		10.1		5.02		TAS				m_e	
ROTZ	150.35		PKPab	12:20:47.361		10.1		5.02		TAS				m_e	
RUE	147.48		PKPab	12:20:42.538		10.1		5.02		TAS				m_e	
STU	151.65		PKPab	12:20:50.991		10.1		5.02		TAS				m_e	
TANN	149.68		PKPab	12:20:45.547		10.1		5.02		TAS				m_e	
TNS	150.25		PKPab	12:20:47.361		10.1		5.02		TAS				m_e	
TNS	150.25		L	13:31:45.228						T__		7904.9	18.90	a_e Ms	6.5
UBBA	149.55		PKPab	12:20:45.359		10.1		5.02		TAS				m_e	
UBR	152.65		PKPab	12:20:51.394		10.1		5.02		TAS				m_e	
WERN	149.82		PKPab	12:20:46.353		10.1		5.02		TAS				m_e	
WET	150.86		PKPab	12:20:49.176		10.1		5.02		TAS				m_e	

WET	150.86	L	13:31:06.967							T__	7610.7	20.70	a_e	Ms	6.5
WLF	150.87	PKPab	12:20:48.571	10.1	5.02					TAS			m_e		

Event 71018008 Southern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/18	13:10:56.70	3.18	1.49	39.7400	15.6500	97.8	83.4	107	281.0			7	346	8.26	10.44	m i ke	INGV
	71018098																

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	10.07		P	13:13:15.582	-0.1	160.8		0.00		TAS		13.8	0.56	m_e	
FUR	8.99		P	13:13:02.922	0.7	160.8		0.00		TAS		49.2	0.58	m_e	
GEC2	9.21		P	13:13:05.319	0.6	160.8		0.00		TAS		6.5	0.72	m_e	
GRA1	10.44		P	13:13:18.350	-3.3	160.8		0.00		TAS				m_e	
RJOB	8.26		P	13:12:54.257	1.8	160.8		0.00		TAS		9.0	0.66	m_e	
UBR	8.89		P	13:13:01.263	0.7	160.8		0.00		TAS		34.3	0.68	m_e	
WET	9.61		P	13:13:09.990	-0.4	160.8		0.00		TAS		8.9	0.65	m_e	

Event 71018009 Eastern New Guinea, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/18	16:44:36.30			-5.5700	147.2500				210.0			27		120.47	124.92	m i ke	EMSC
	71018041																

Magnitude	Err	Nsta	Author	OrigID
Ms	4.7		BGR	71018015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	124.92		PKPdf	17:03:11.587		55.1		1.87		TAS				m_e	
BRG	120.47		PKPdf	17:03:03.690	0.1	55.1		1.87		TAS				m_e	
BSEG	120.51		PKPdf	17:03:03.968	-0.6	55.1		1.87		TAS				m_e	
BUG	123.52		PKPdf	17:03:08.933	0.1	55.1		1.87		TAS				m_e	
CLL	120.73		PKPdf	17:03:03.298	-0.1	55.1		1.87		TAS				m_e	
CLZ	121.76		PKPdf	17:03:05.916	0.4	55.1		1.87		TAS				a_e	
FBE	120.76		PKPdf	17:03:04.202	0.0	55.1		1.87		TAS				m_e	
FLT1	121.04		PKPdf	17:03:03.914	-0.3	55.1		1.87		TAS				m_e	
FUR	123.42		PKPdf	17:03:09.249		55.1		1.87		TAS				m_e	
GEC2	121.69		PKPdf	17:03:05.479		55.1		1.87		TAS				m_e	
GRA1	122.58		PKPdf	17:03:07.116		55.1		1.87		TAS				a_e	
GRA1	122.58		L	17:52:25.882						T__	152.4	20.10	a_e	Ms	4.6
GTTG	122.14		PKPdf	17:03:06.763	-0.1	55.1		1.87		TAS				m_e	

GUNZ	121.61	PKPdf	17:03:05.635	-0.1	55.1	1.87	TAS	m_e										
KAST	123.12	PKPdf	17:03:08.579	0.0	55.1	1.87	TAS	m_e										
MANZ	121.94	PKPdf	17:03:06.216	0.1	55.1	1.87	TAS	a_e										
MOX	121.83	PKPdf	17:03:05.818	0.2	55.1	1.87	TAS	m_e										
MOX	121.83	L	17:58:41.111				T__		174.0	20.90	a_e	Ms	4.7					
NEUB	121.43	PKPdf	17:03:04.866	0.2	55.1	1.87	TAS	a_e										
NRDL	121.49	PKPdf	17:03:05.579	-0.3	55.1	1.87	TAS	m_e										
PLN	121.63	PKPdf	17:03:05.627	-0.1	55.1	1.87	TAS	m_e										
RJOB	122.80	PKPdf	17:03:07.014		55.1	1.87	TAS	m_e										
ROTZ	122.01	PKPdf	17:03:06.088		55.1	1.87	TAS	m_e										
TANN	121.52	PKPdf	17:03:05.282	-0.1	55.1	1.87	TAS	m_e										
TNS	123.71	PKPdf	17:03:09.603	-0.6	55.1	1.87	TAS	m_e										
UBR	124.34	PKPdf	17:03:10.598		55.1	1.87	TAS	m_e										
WERD	121.58	PKPdf	17:03:05.301	0.2	55.1	1.87	TAS	m_e										
WERN	121.63	PKPdf	17:03:05.516	0.5	55.1	1.87	TAS	a_e										
WET	121.99	PKPdf	17:03:06.266		55.1	1.87	TAS	a_e										

Event 71019004 South of Africa

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/19	03:25:18.90			-53.2400	22.8200				10.0					101.50	107.31	m i ke	EMSC
71019036																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.6		BGR	71019010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	101.94		L	04:27:51.314						T__		212.9	19.30	a_e	Ms 4.7
BSEG	107.31		L	04:27:02.781						T__		211.0	18.80	a_e	Ms 4.7
CLL	104.50		L	04:30:17.271						T__		220.1	21.00	a_e	Ms 4.7
FUR	101.50		L	04:25:09.365						T__		204.7	20.90	a_e	Ms 4.6
GEC2	102.00		L	04:29:30.692						T__		306.5	20.00	a_e	Ms 4.8
GRA1	103.02		PP	03:43:28.024						T__				m_e	
GRA1	103.02		L	04:25:18.041						T__		185.0	21.00	a_e	Ms 4.6
MOX	103.94		L	04:26:39.993						T__		241.2	21.70	a_e	Ms 4.7
TNS	103.80		L	04:25:47.135						T__		129.8	20.80	a_e	Ms 4.4
WET	102.36		L	04:30:46.079						T__		180.1	20.20	a_e	Ms 4.6

Event 71019005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/19	06:45:10.83			34.3170	-37.9550				10.0					36.90	40.49	m i ke	BGR
71019011																	





OrigID  
 2017/10/19 09:01:57.45 27.2990 133.0470 33.0 34 83.47 90.02 m i ke BGR  
 71019013

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	71019013
MBB	6.3		BGR	71019013
Ms	5.8		BGR	71019013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	86.25		P	09:14:34.625	0.4	49.1		4.81		TAS		98.6	1.16	m_e	mb	5.8
BFO	89.91		P	09:14:51.741	-0.7	49.1		4.81		TAS		78.0	1.00	m_e	MBB	6.1
BFO	89.91		L	09:57:41.500						T__		4337.0	19.60	a_e	Ms	5.9
BRG	85.49		P	09:14:31.419	-0.0	49.1		4.81		TAS		127.6	1.00	m_e	mb	6.1
BSEG	85.22		P	09:14:29.469	0.1	49.1		4.81		TAS		210.2	0.95	m_e	mb	6.3
BSEG	85.22		L	09:58:22.336						T__		2675.9	21.90	a_e	Ms	5.6
BUG	88.27		P	09:14:44.309	-0.1	49.1		4.81		TAS		111.2	1.18	m_e	mb	6.1
CLL	85.67		P	09:14:31.766	0.1	49.1		4.81		TAS		311.1	0.96	m_e	mb	6.4
CLL	85.67		L	09:54:56.192						T__		4191.3	19.70	a_e	Ms	5.8
CLZ	86.58		P	09:14:36.667	0.2	49.1		4.81		TAS		352.1	1.03	m_e	mb	6.4
FBE	85.75		P	09:14:32.387	0.4	49.1		4.81		TAS		307.7	1.08	m_e	mb	6.4
FLT1	85.85		P	09:14:32.412	-0.0	49.1		4.81		TAS		328.1	1.04	a_e	mb	6.4
FUR	88.56		L	09:57:32.786						T__		3912.2	18.10	a_e	Ms	5.9
GEC2	86.88		P	09:14:37.533	-0.6	49.1		4.81		TAS		53.1	1.08	m_e	mb	5.6
GEC2	86.88		L	09:56:13.106						T__		3499.1	20.00	a_e	Ms	5.8
GOR1	85.39		P	09:14:30.565	-0.0	49.1		4.81		TAS		339.1	1.08	m_e	mb	6.5
GRA1	87.58		P	09:14:41.369	-0.2	49.1		4.81		TAS		98.5	1.05	m_e	mb	6.1
GRA1	87.58		L	09:57:32.790						T__		4713.6	19.20	a_e	Ms	5.9
GTTG	86.96		P	09:14:38.332	-0.1	49.1		4.81		TAS		179.0	0.97	m_e	mb	6.2
GUNZ	86.60		P	09:14:36.394	0.2	49.1		4.81		TAS		90.9	0.98	m_e	mb	5.9
IBBN	87.45		P	09:14:40.462	-0.3	49.1		4.81		TAS		240.6	0.96	m_e	mb	6.3
KAST	87.91		P	09:14:42.802	0.1	49.1		4.81		TAS		70.4	1.00	m_e	mb	5.9
MANZ	86.96		P	09:14:38.193	0.3	49.1		4.81		TAS		14.8	1.00	m_e	mb	5.1
MOX	86.77		P	09:14:37.178	-0.0	49.1		4.81		TAS		54.3	1.11	m_e	MBB	6.2
MOX	86.77		L	09:55:39.391						T__		3763.9	19.60	a_e	Ms	5.8
NEUB	86.34		P	09:14:35.212	0.1	49.1		4.81		TAS		390.9	1.05	a_e	mb	6.5
NRDL	86.27		P	09:14:34.769	0.0	49.1		4.81		TAS		108.3	1.05	m_e	mb	5.9
PLN	86.61		P	09:14:36.389	-0.0	49.1		4.81		TAS		67.3	1.08	m_e	mb	5.7
RETH	86.44		P	09:14:35.539	0.0	49.1		4.81		TAS		163.6	1.07	m_e	mb	6.1
RGN	83.47		P	09:14:20.674	-0.6	49.1		4.81		TAS		127.5	0.93	m_e	mb	6.1
RJOB	88.05		P	09:14:43.478		49.1		4.81		TAS		113.8	0.94	m_e	mb	6.2
ROTZ	87.05		P	09:14:38.714	0.3	49.1		4.81		TAS		14.4	0.95	m_e	mb	5.1
RUE	84.56		P	09:14:26.562	0.0	49.1		4.81		TAS		405.4	1.08	a_e	mb	6.6
STU	89.19		P	09:14:48.753	0.1	49.1		4.81		TAS		165.8	0.94	m_e	mb	6.2
TANN	86.51		P	09:14:35.902	0.2	49.1		4.81		TAS		53.5	1.07	m_e	mb	5.6
TNS	88.56		P	09:14:45.981	0.2	49.1		4.81		TAS		50.8	1.17	m_e	mb	5.6
TNS	88.56		L	09:59:03.247						T__		4139.5	18.00	a_e	Ms	5.9
UBR	89.47		P	09:14:49.477		49.1		4.81		TAS		42.7	1.07	m_e	mb	5.6
WERD	86.56		P	09:14:36.120	0.0	49.1		4.81		TAS		69.5	1.04	m_e	mb	5.7

WERN	86.63	P	09:14:36.707	0.1	49.1	4.81	TAS	131.1	1.04	m_e	mb	6.0
WET	87.11	P	09:14:38.910	-0.1	49.1	4.81	TAS	38.8	1.22	m_e	mb	5.4
WET	87.11	L	09:55:15.964				T__	4329.8	19.40	a_e	Ms	5.9
WLF	90.02	P	09:14:53.109	0.1	49.1	4.81	TAS	186.3	1.02	m_e	mb	6.3

Event 71019008 Central Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/19	22:23:30.72		7.0890	-35.3790					33.0			28		54.83	60.40	m i ke	BGR
71019014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	71019014
Ms	4.8		BGR	71019014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	55.25		P	22:33:01.407		238.6		7.04		TAS		20.5	0.89	m_e	mb	5.2
BFO	55.25		L	22:52:05.073						T__		860.4	21.50	a_e	Ms	4.8
BRG	59.69		P	22:33:33.186	0.1	238.6		7.04		TAS		28.0	1.50	m_e	mb	5.1
BSEG	59.42		P	22:33:30.179	0.3	238.6		7.04		TAS		43.9	0.95	m_e	mb	5.5
BSEG	59.42		L	22:55:55.082						T__		592.0	18.80	a_e	Ms	4.7
CLL	59.39		P	22:33:30.237	-0.0	238.6		7.04		TAS		4.8	0.76	m_e	mb	4.6
CLL	59.39		L	22:54:59.905						T__		691.7	21.00	a_e	Ms	4.8
CLZ	58.28		P	22:33:22.528	0.5	238.6		7.04		TAS		8.0	0.91	m_e	mb	4.7
FBE	59.39		P	22:33:30.595	0.2	238.6		7.04		TAS		17.1	0.76	m_e	mb	5.2
FLT1	58.99		P	22:33:27.457	0.0	238.6		7.04		TAS		13.7	0.83	m_e	mb	5.0
FUR	56.83		P	22:33:12.821		238.6		7.04		TAS		29.0	0.88	m_e	mb	5.3
FUR	56.83		L	22:53:55.153						T__		1012.5	21.00	a_e	Ms	4.9
GEC2	58.57		P	22:33:24.585		238.6		7.04		TAS		7.6	0.79	m_e	mb	4.8
GEC2	58.57		L	22:54:47.645						T__		1091.1	21.60	a_e	Ms	4.9
GRA1	57.58		P	22:33:18.038		238.6		7.04		TAS		49.0	0.86	m_e	mb	5.6
GRA1	57.58		L	22:54:27.200						T__		508.8	20.50	a_e	Ms	4.6
GTTG	57.90		P	22:33:20.336	-0.0	238.6		7.04		TAS		45.9	1.24	m_e	mb	5.4
GUNZ	58.54		P	22:33:24.786	-0.2	238.6		7.04		TAS		17.0	0.81	m_e	mb	5.1
IBBN	57.22		P	22:33:15.188	0.0	238.6		7.04		TAS		23.6	0.89	m_e	mb	5.2
KAST	56.91		P	22:33:12.992	0.0	238.6		7.04		TAS		17.3	0.95	m_e	mb	5.1
MANZ	58.23		P	22:33:22.328	-0.2	238.6		7.04		TAS		3.0	0.86	m_e	mb	4.3
MOX	58.30		P	22:33:22.899	-0.1	238.6		7.04		TAS		9.3	0.84	m_e	mb	4.8
MOX	58.30		L	22:54:17.797						T__		770.3	20.30	a_e	Ms	4.8
NEUB	58.67		P	22:33:25.533	0.1	238.6		7.04		TAS		35.9	0.94	m_e	mb	5.4
PLN	58.51		P	22:33:24.402	-0.4	238.6		7.04		TAS		26.6	0.91	m_e	mb	5.3
RJOB	57.51		P	22:33:16.947		238.6		7.04		TAS		15.2	0.77	m_e	mb	5.1
ROTZ	58.17		P	22:33:21.971	0.3	238.6		7.04		TAS		5.7	1.03	m_e	mb	4.5
RUE	60.40		P	22:33:37.627	-0.4	238.6		7.04		TAS		37.9	0.77	m_e	mb	5.5
TANN	58.64		P	22:33:25.398	-0.3	238.6		7.04		TAS		32.2	1.09	m_e	mb	5.3
TNS	56.37		P	22:33:09.341	0.3	238.6		7.04		TAS		21.5	0.84	m_e	mb	5.2

TNS	56.37	L	22:52:11.251							T__	870.3	21.90	a_e	Ms	4.8
UBR	55.91	P	22:33:06.311	238.6	7.04					TAS	24.5	0.81	m_e	mb	5.3
WERD	58.57	P	22:33:24.844	0.1 238.6	7.04					TAS	23.0	0.94	m_e	mb	5.2
WERN	58.53	P	22:33:24.776	-0.1 238.6	7.04					TAS	39.1	1.06	m_e	mb	5.4
WET	58.24	P	22:33:22.233	238.6	7.04					TAS	8.3	0.87	m_e	mb	4.8
WET	58.24	L	22:54:33.614							T__	583.4	21.80	a_e	Ms	4.7
WLF	54.83	P	22:32:58.038	238.6	7.04					TAS	27.0	0.93	m_e	mb	5.3

Event 71020008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/20	20:23:16.25			-17.7830	-177.5500				600.0			28		143.41	149.53	m i ke	BGR
	71020014																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	149.16		PKPbc	20:41:56.464		15.6		2.72		TAS				m_e	
BRG	145.74		PKPbc	20:41:48.391	0.0	15.6		2.72		TAS				m_e	
BSEG	143.41		PKPbc	20:41:40.534	-0.5	15.6		2.72		TAS				m_e	
CLL	145.51		PKPbc	20:41:47.149	0.1	15.6		2.72		TAS				m_e	
CLZ	145.44		PKPbc	20:41:47.321	0.1	15.6		2.72		TAS				m_e	
FBE	145.81		PKPbc	20:41:48.479	0.3	15.6		2.72		TAS				m_e	
FLT1	144.84		PKPbc	20:41:44.594	0.7	15.6		2.72		TAS				m_e	
FUR	148.85		PKPbc	20:41:55.834		15.6		2.72		TAS				m_e	
GEC2	147.70		PKPbc	20:41:52.804		15.6		2.72		TAS				m_e	
GRA1	147.39		PKPbc	20:41:52.721		15.6		2.72		TAS				m_e	
GTTG	145.79		PKPbc	20:41:48.158	0.2	15.6		2.72		TAS				m_e	
GUNZ	146.54		PKPbc	20:41:50.321	-0.3	15.6		2.72		TAS				m_e	
IBBN	145.30		PKPbc	20:41:47.090	0.6	15.6		2.72		TAS				m_e	
KAST	146.32		PKPbc	20:41:49.503	0.3	15.6		2.72		TAS				m_e	
MANZ	146.95		PKPbc	20:41:51.282	-0.3	15.6		2.72		TAS				m_e	
MOX	146.41		PKPbc	20:41:49.529	-0.2	15.6		2.72		TAS				m_e	
NEUB	145.85		PKPbc	20:41:48.043	0.4	15.6		2.72		TAS				m_e	
NRDL	144.84		PKPbc	20:41:44.484	0.1	15.6		2.72		TAS				m_e	
RJOB	148.94		PKPbc	20:41:55.888		15.6		2.72		TAS				m_e	
ROTZ	147.14		PKPbc	20:41:51.282	-0.6	15.6		2.72		TAS				m_e	
RUE	144.25		PKPbc	20:41:43.123	0.4	15.6		2.72		TAS				m_e	
TANN	146.47		PKPbc	20:41:49.965	-0.1	15.6		2.72		TAS				m_e	
TNS	147.28		PKPbc	20:41:52.177	-0.5	15.6		2.72		TAS				m_e	
UBR	149.53		PKPbc	20:41:57.539		15.6		2.72		TAS				m_e	
WERD	146.47		PKPbc	20:41:49.920	0.5	15.6		2.72		TAS				m_e	
WERN	146.61		PKPbc	20:41:50.509	0.6	15.6		2.72		TAS				m_e	
WET	147.60		PKPbc	20:41:52.736		15.6		2.72		TAS				m_e	
WLF	148.06		PKPbc	20:41:54.930		15.6		2.72		TAS				m_e	

Event 71021002 Jan Mayen Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/21	12:56:47.06			70.3940	-6.4900				10.0			29		18.16	24.55	m i ke	BGR
OrigID 71021008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	71021008
Ms	4.3		BGR	71021008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.91		P	13:01:30.193	-0.4	344.4		10.55		TAS				m_e	
ASSE	19.95		P	13:01:18.691	-0.9	344.4		10.55		TAS		16.0	1.04	m_e mb	4.2
BFO	23.25		P	13:01:54.965		344.4		10.55		TAS		10.2	0.91	m_e mb	4.4
BRG	21.77		P	13:01:39.441		344.4		10.55		TAS		19.7	1.22	m_e mb	4.4
BSEG	18.16		P	13:00:59.576	-1.1	344.4		10.55		TAS		29.0	0.91	m_e mb	4.4
BUG	20.06		P	13:01:21.291	-0.6	344.4		10.55		TAS		13.2	0.77	m_e mb	4.2
CLL	21.17		P	13:01:33.252	0.5	344.4		10.55		TAS		10.6	0.80	m_e mb	4.2
CLNZ	19.22		P	13:01:12.082	1.3	344.4		10.55		TAS		52.7	0.91	m_e mb	4.8
CLZ	20.17		P	13:01:21.880	1.1	344.4		10.55		TAS		61.4	1.37	m_e mb	4.7
FBE	21.61		P	13:01:38.094	-0.1	344.4		10.55		TAS		14.8	0.75	m_e mb	4.5
FLT1	19.86		P	13:01:17.568	1.1	344.4		10.55		TAS		22.3	0.95	m_e mb	4.4
GEC2	23.66		P	13:01:58.427		344.4		10.55		TAS		14.4	0.91	m_e mb	4.5
GRA1	22.39		P	13:01:44.896		344.4		10.55		TAS		27.8	1.04	m_e mb	4.6
GRA1	22.39		L	13:12:01.185						T__		1398.4	18.10	a_e Ms	4.4
GTTG	20.38		P	13:01:25.281	0.1	344.4		10.55		TAS		16.5	0.90	m_e mb	4.3
GUNZ	21.94		P	13:01:41.045		344.4		10.55		TAS		15.8	0.80	m_e mb	4.5
KAST	20.46		P	13:01:24.863	0.1	344.4		10.55		TAS		11.1	0.86	m_e mb	4.1
MANZ	22.27		P	13:01:43.990		344.4		10.55		TAS		4.0	1.08	m_e mb	3.8
MOX	21.54		P	13:01:36.250	-0.4	344.4		10.55		TAS		12.9	0.84	m_e mb	4.4
MOX	21.54		L	13:09:54.454						T__		1029.4	20.00	a_e Ms	4.2
NEUB	21.05		P	13:01:31.736	-0.9	344.4		10.55		TAS		22.6	0.80	m_e mb	4.5
NRDL	19.50		P	13:01:14.241	0.8	344.4		10.55		TAS		14.9	0.97	m_e mb	4.2
RJOB	24.55		P	13:02:06.970		344.4		10.55		TAS		20.9	0.79	m_e mb	4.9
ROTZ	22.49		P	13:01:46.291		344.4		10.55		TAS		6.5	1.04	m_e mb	4.0
RUE	20.22		P	13:01:25.001	0.1	344.4		10.55		TAS		19.4	0.69	m_e mb	4.4
STU	22.95		P	13:01:52.226		344.4		10.55		TAS		53.7	1.01	m_e mb	5.0
TANN	21.92		P	13:01:40.724		344.4		10.55		TAS		51.9	1.16	m_e mb	4.8
TNS	21.42		P	13:01:35.471	-0.5	344.4		10.55		TAS		23.4	0.87	m_e mb	4.5
UBR	24.15		P	13:02:03.978		344.4		10.55		TAS		13.9	1.06	m_e mb	4.4
WERD	21.86		P	13:01:39.129		344.4		10.55		TAS		18.7	0.86	m_e mb	4.5
WERN	22.03		P	13:01:41.944		344.4		10.55		TAS		27.2	0.84	m_e mb	4.7
WET	23.22		P	13:01:54.825		344.4		10.55		TAS		12.9	0.86	m_e mb	4.5

Event 71021003 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
2017/10/21	16:25:51.63			37.0910	141.9880				33.0			9		80.07	85.48	m i ke	BGR
OrigID 71021009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	71021009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.48		P	16:38:24.540		37.5		5.17		TAS		6.4	0.81	m_e	mb	4.9
BRG	81.24		P	16:38:03.303		37.5		5.17		TAS		6.4	1.10	m_e	mb	4.6
BSEG	80.22		P	16:37:57.875	-0.1	37.5		5.17		TAS		7.8	0.89	m_e	mb	4.6
CLL	81.28		P	16:38:02.939		37.5		5.17		TAS		10.1	1.00	m_e	mb	4.8
CLZ	81.87		P	16:38:06.631		37.5		5.17		TAS		6.1	0.91	m_e	mb	4.7
FBE	81.44		P	16:38:03.318		37.5		5.17		TAS		7.8	0.92	m_e	mb	4.7
FLT1	81.15		P	16:38:02.123	0.7	37.5		5.17		TAS		6.2	0.82	m_e	mb	4.7
GEC2	82.91		P	16:38:10.857		37.5		5.17		TAS		2.9	0.92	m_e	mb	4.5
GRA1	83.25		P	16:38:14.165		37.5		5.17		TAS		5.2	0.81	m_e	mb	4.8
GTTG	82.26		P	16:38:08.143		37.5		5.17		TAS		4.6	0.96	m_e	mb	4.6
MANZ	82.67		P	16:38:10.761		37.5		5.17		TAS		0.6	0.94	m_e	mb	3.8
MOX	82.34		P	16:38:07.043		37.5		5.17		TAS		1.5	0.79	m_e	mb	4.2
NEUB	81.85		P	16:38:06.017		37.5		5.17		TAS		7.3	0.85	m_e	mb	4.8
RJOB	84.15		P	16:38:18.616		37.5		5.17		TAS		5.1	0.87	m_e	mb	4.8
ROTZ	82.80		P	16:38:11.062		37.5		5.17		TAS		0.7	0.90	m_e	mb	3.9
RUE	80.07		P	16:37:57.069		37.5		5.17		TAS		9.2	0.68	m_e	mb	4.8
UBR	85.30		P	16:38:23.610		37.5		5.17		TAS		4.2	1.02	m_e	mb	4.6
WERD	82.22		P	16:38:07.956		37.5		5.17		TAS		1.9	0.94	m_e	mb	4.2
WERN	82.32		P	16:38:08.630		37.5		5.17		TAS		2.4	0.80	m_e	mb	4.4
WET	83.01		P	16:38:12.239		37.5		5.17		TAS		3.5	1.01	m_e	mb	4.5

Event 71022001 Tanzania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/22	06:05:23.19			-4.8420	31.5620				9.8			26		54.90	61.21	m i ke	BGR
OrigID 71022007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	71022007
Ms	4.3		BGR	71022007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	59.06		P	06:15:25.431	0.5	155.7		7.07		TAS		27.8	1.03	m_e	mb	5.2
ASSE	59.48		P	06:15:28.214		155.7		7.07		TAS		72.3	1.80	m_e	mb	5.4
BFO	56.73		P	06:15:08.285	0.2	155.7		7.07		TAS		62.7	1.53	m_e	mb	5.4

BSEG	61.21	P	06:15:39.688	155.7	7.07	TAS	91.8	1.68	m_e	mb	5.3
BUG	59.80	P	06:15:30.119	155.7	7.07	TAS	38.9	1.03	m_e	mb	5.4
BUG	59.80	pP	06:15:32.822			T__			m_e		
CLZ	59.29	P	06:15:26.819	155.7	7.07	TAS	24.9	1.43	m_e	mb	5.0
FUR	55.70	P	06:15:01.334	0.3 155.7	7.07	TAS	42.6	1.01	m_e	mb	5.4
GEC2	55.69	P	06:15:01.746	-0.1 155.7	7.07	TAS	35.3	1.10	m_e	mb	5.3
GOR1	60.11	P	06:15:32.994	155.7	7.07	TAS	163.7	1.78	m_e	mb	5.8
GRA1	57.11	P	06:15:11.365	0.1 155.7	7.07	TAS	72.6	1.12	m_e	mb	5.6
GRA1	57.11	L	06:48:46.865			T__	245.3	18.20	a_e	Ms	4.3
GTTG	59.13	P	06:15:26.034	-0.5 155.7	7.07	TAS	70.4	1.30	m_e	mb	5.5
GUNZ	57.44	P	06:15:14.281	0.0 155.7	7.07	TAS	28.1	1.23	m_e	mb	5.2
KAST	59.25	P	06:15:26.766	-0.7 155.7	7.07	TAS	48.6	1.35	m_e	mb	5.4
MANZ	57.15	P	06:15:11.756	0.1 155.7	7.07	TAS	7.7	1.19	m_e	mb	4.6
MANZ	57.15	pP	06:15:14.508			T__			m_e		
MOX	57.88	P	06:15:16.507	0.3 155.7	7.07	TAS	33.0	1.49	m_e	mb	5.1
MOX	57.88	L	06:41:08.452			T__	190.9	21.80	a_e	Ms	4.2
NRDL	59.95	P	06:15:32.016	155.7	7.07	TAS	47.3	1.21	m_e	mb	5.4
PLN	57.60	P	06:15:14.745	-0.0 155.7	7.07	TAS	63.9	1.80	m_e	mb	5.4
RETH	60.37	P	06:15:34.026	155.7	7.07	TAS	79.3	1.71	m_e	mb	5.5
RJOB	54.90	P	06:14:55.400	-0.4 155.7	7.07	TAS	13.0	0.75	m_e	mb	5.0
ROTZ	56.92	P	06:15:09.864	-0.1 155.7	7.07	TAS	7.0	1.28	m_e	mb	4.5
STU	56.85	P	06:15:09.747	-0.2 155.7	7.07	TAS	78.9	1.04	m_e	mb	5.7
TANN	57.45	P	06:15:13.892	0.1 155.7	7.07	TAS	36.8	1.47	m_e	mb	5.2
TNS	58.37	P	06:15:20.222	-0.1 155.7	7.07	TAS	57.9	1.01	m_e	mb	5.6
WERD	57.52	P	06:15:14.423	-0.1 155.7	7.07	TAS	45.1	1.52	m_e	mb	5.3
WERN	57.36	P	06:15:13.306	0.5 155.7	7.07	TAS	33.8	1.49	m_e	mb	5.2
WET	56.18	P	06:15:04.697	-0.2 155.7	7.07	TAS	24.1	1.12	m_e	mb	5.1

Event 71022002 Luzon, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/22	14:21:09.17			15.4580	120.4680				220.0			30		87.70	93.25	m i ke	BGR
71022008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71022008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRG	88.22		P	14:33:34.666	0.2	65.5		4.64		TAS		47.1	1.13	m_e	mb	5.7
BSEG	89.02		P	14:33:37.793	-0.3	65.5		4.64		TAS		39.8	1.02	m_e	mb	5.6
BUG	91.79		P	14:33:50.504		65.5		4.64		TAS		34.9	1.15	m_e	mb	5.6
CLL	88.59		P	14:33:35.475	0.1	65.5		4.64		TAS		37.2	1.22	m_e	mb	5.5
CLZ	89.88		P	14:33:42.043	0.1	65.5		4.64		TAS		95.6	1.54	m_e	mb	5.8
FBE	88.54		P	14:33:35.831	-0.4	65.5		4.64		TAS		58.0	1.16	m_e	mb	5.7
FLT1	89.19		P	14:33:37.826	-0.1	65.5		4.64		TAS		58.2	1.59	m_e	mb	5.6
FUR	90.89		P	14:33:46.978	-0.2	65.5		4.64		TAS		182.8	1.66	m_e	mb	6.1

GEC2	89.14	P	14:33:38.120	-0.8	65.5	4.64	TAS	59.1	1.45	m_e	mb	5.6
GOR1	88.87	P	14:33:37.286	-0.0	65.5	4.64	TAS	74.4	1.41	m_e	mb	5.7
GRA1	90.29	P	14:33:44.214	0.2	65.5	4.64	TAS	60.5	1.57	m_e	mb	5.6
GTTG	90.23	P	14:33:43.519	0.1	65.5	4.64	TAS	76.9	1.50	m_e	mb	5.7
GUNZ	89.36	P	14:33:39.370	0.1	65.5	4.64	TAS	47.0	1.18	m_e	mb	5.6
IBBN	91.12	P	14:33:47.268	-0.5	65.5	4.64	TAS	41.7	1.10	m_e	mb	5.7
KAST	91.25	P	14:33:48.251	0.2	65.5	4.64	TAS	40.9	1.38	m_e	mb	5.6
MANZ	89.64	P	14:33:40.813	0.1	65.5	4.64	TAS	17.5	1.68	m_e	mb	5.0
MOX	89.66	P	14:33:40.749	0.2	65.5	4.64	TAS	59.8	1.47	m_e	mb	5.6
NEUB	89.35	P	14:33:39.497	-0.1	65.5	4.64	TAS	138.9	1.68	m_e	mb	5.9
NRDL	89.74	P	14:33:41.372	-0.3	65.5	4.64	TAS	30.5	1.08	m_e	mb	5.5
PLN	89.41	P	14:33:39.407	0.0	65.5	4.64	TAS	45.4	1.36	m_e	mb	5.5
RETH	90.05	P	14:33:42.559		65.5	4.64	TAS	207.8	2.66	m_e	mb	5.9
RJOB	90.12	P	14:33:42.661	0.5	65.5	4.64	TAS	27.6	1.05	m_e	mb	5.4
ROTZ	89.67	P	14:33:40.986	0.2	65.5	4.64	TAS	13.4	1.31	m_e	mb	5.0
RUE	87.70	P	14:33:31.901	0.5	65.5	4.64	TAS	94.9	1.05	m_e	mb	6.1
TANN	89.26	P	14:33:38.884	-0.1	65.5	4.64	TAS	36.3	1.29	m_e	mb	5.4
TNS	91.68	P	14:33:50.417		65.5	4.64	TAS	26.2	1.12	m_e	mb	5.5
UBR	91.80	P	14:33:50.273		65.5	4.64	TAS	55.8	1.21	m_e	mb	5.8
WERD	89.34	P	14:33:39.255	0.1	65.5	4.64	TAS	36.0	1.23	m_e	mb	5.5
WERN	89.36	P	14:33:39.497	-0.3	65.5	4.64	TAS	37.5	1.20	m_e	mb	5.5
WET	89.52	P	14:33:40.201	0.1	65.5	4.64	TAS	40.4	1.30	m_e	mb	5.5
WLF	93.25	P	14:33:57.766		65.5	4.64	TAS	57.5	1.18	m_e	mb	5.9

Event 71023001 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/23	00:24:19.76			27.3610	55.4310				10.2	0.1		33		35.44	43.57	m i ke	BGR
71023007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71023007
Ms	4.6		BGR	71023007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	43.19		P	00:32:20.759		106.9		8.28		TAS		12.8	0.68	m_e	mb	4.8
ASSE	41.47		P	00:32:05.702	0.2	106.9		8.28		TAS		13.4	0.76	m_e	mb	4.7
BFO	41.89		P	00:32:10.719	-0.4	106.9		8.28		TAS		8.6	0.78	m_e	mb	4.5
BRG	39.12		P	00:31:46.820	-0.3	106.9		8.28		TAS		20.0	0.94	m_e	mb	4.7
BSEG	42.29		P	00:32:11.791		106.9		8.28		TAS		17.5	0.82	m_e	mb	4.8
BUG	43.29		P	00:32:21.131		106.9		8.28		TAS		49.3	1.02	m_e	mb	5.2
CLL	39.83		P	00:31:52.382	-0.4	106.9		8.28		TAS		47.0	1.00	m_e	mb	5.1
CLZ	41.56		P	00:32:06.915	-0.2	106.9		8.28		TAS		56.4	0.97	m_e	mb	5.3
FBE	39.49		P	00:31:49.484	-0.0	106.9		8.28		TAS		17.0	0.96	m_e	mb	4.6
FLT1	41.21		P	00:32:03.411	0.3	106.9		8.28		TAS		56.8	0.78	m_e	mb	5.4
FUR	39.93		P	00:31:53.503	-0.2	106.9		8.28		TAS		28.4	0.72	m_e	mb	5.0



GEC2	38.59	P	00:31:42.114	-0.3	106.9	8.28	TAS	24.5	0.85	m_e	mb	4.9
GRA1	40.39	P	00:31:57.462	-0.2	106.9	8.28	TAS	65.9	0.88	m_e	mb	5.4
GRA1	40.39	L	00:51:49.195				T__	807.9	20.90	a_e	Ms	4.6
GTTG	41.71	P	00:32:08.356	-0.2	106.9	8.28	TAS	30.5	1.06	m_e	mb	5.0
GUNZ	39.91	P	00:31:52.980	0.1	106.9	8.28	TAS	6.8	0.81	m_e	mb	4.3
IBBN	43.24	P	00:32:20.385		106.9	8.28	TAS	46.9	0.96	m_e	mb	5.2
KAST	42.54	P	00:32:15.279		106.9	8.28	TAS	21.2	0.86	m_e	mb	4.9
KSP	37.73	P	00:31:34.629	0.5	106.9	8.28	TAS	41.0	1.17	m_e	mb	5.0
MANZ	39.93	P	00:31:53.518	-0.3	106.9	8.28	TAS	2.5	1.02	m_e	mb	3.8
MOX	40.44	P	00:31:57.351	0.2	106.9	8.28	TAS	11.1	0.95	m_e	mb	4.6
MOX	40.44	pP	00:32:00.032	-0.3			T__			m_e		
MOX	40.44	L	00:52:23.323				T__	767.0	18.40	a_e	Ms	4.6
NEUB	40.52	P	00:31:58.061	0.3	106.9	8.28	TAS	33.8	0.90	m_e	mb	5.1
NRDL	41.92	P	00:32:09.751		106.9	8.28	TAS	32.2	0.93	m_e	mb	5.0
OJC	35.44	P	00:31:15.095	1.3	106.9	8.28	TAS	110.1	0.83	m_e	mb	5.7
RJOB	38.84	P	00:31:44.710	-0.2	106.9	8.28	TAS	37.4	0.76	m_e	mb	5.1
ROTZ	39.80	P	00:31:52.448	-0.1	106.9	8.28	TAS	6.5	0.88	m_e	mb	4.3
ROTZ	39.80	pP	00:31:55.153	-0.3			T__			m_e		
RUE	39.81	P	00:31:51.462	-1.0	106.9	8.28	TAS	32.5	0.90	m_e	mb	5.0
SUW	35.61	P	00:31:14.781	-0.3	106.9	8.28	TAS	636.7	0.97	m_e	mb	6.4
TANN	39.85	P	00:31:51.808	-0.0	106.9	8.28	TAS	6.2	0.90	m_e	mb	4.2
TNS	42.26	P	00:32:13.098		106.9	8.28	TAS	58.5	1.09	m_e	mb	5.2
UBR	40.58	P	00:31:58.860	1.3	106.9	8.28	TAS	76.1	0.91	m_e	mb	5.4
WERN	39.86	P	00:31:52.780	0.1	106.9	8.28	TAS	7.6	0.77	m_e	mb	4.4
WET	39.19	P	00:31:47.151	-0.0	106.9	8.28	TAS	16.7	0.90	m_e	mb	4.7
WLF	43.57	P	00:32:23.228		106.9	8.28	TAS	19.3	0.71	m_e	mb	4.9

Event 71023007 North Pacific Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/23	21:26:00.98			41.1530	150.6590				33.0			35		77.92	85.95	m i ke	BGR
71023013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	71023013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	83.28		P	21:38:22.909	0.0	29.6		5.21		TAS		10.0	0.83	a_e	mb 5.1
BALST	85.95		P	21:38:36.912		29.6		5.21		TAS		12.6	0.77	m_e	mb 5.1
BFO	84.87		P	21:38:31.059		29.6		5.21		TAS		6.0	0.81	a_e	mb 4.9
BRG	80.86		P	21:38:09.659	-0.2	29.6		5.21		TAS		13.3	1.10	a_e	mb 4.9
BSEG	79.34		P	21:38:00.909	-1.1	29.6		5.21		TAS		16.9	0.86	a_e	mb 5.1
BUG	82.42		P	21:38:17.909	0.6	29.6		5.21		TAS		19.0	0.93	a_e	mb 5.2
CLL	80.80		P	21:38:08.582	-0.8	29.6		5.21		TAS		27.2	0.86	m_e	mb 5.3
CLZ	81.16		P	21:38:11.409	-0.4	29.6		5.21		TAS		17.4	0.75	a_e	mb 5.2
FBE	81.01		P	21:38:10.159	-0.4	29.6		5.21		TAS		15.1	0.87	a_e	mb 5.0

FLT1	80.47	P	21:38:06.739	-0.3	29.6	5.21	TAS	19.4	0.76	m_e	mb	5.1
FUR	84.08	P	21:38:27.109	0.4	29.6	5.21	TAS	17.0	0.79	a_e	mb	5.3
GEC2	82.67	P	21:38:19.159	0.4	29.6	5.21	TAS	5.2	0.64	a_e	mb	4.9
GRA1	82.77	P	21:38:20.309	0.2	29.6	5.21	TAS	28.3	0.80	a_e	mb	5.5
GTTG	81.54	P	21:38:13.259	-0.1	29.6	5.21	TAS	18.4	0.82	a_e	mb	5.3
GUNZ	81.83	P	21:38:14.781	-0.1	29.6	5.21	TAS	7.8	0.75	m_e	mb	4.9
IBBN	81.51	P	21:38:13.074	-0.2	29.6	5.21	TAS	16.6	0.79	m_e	mb	5.2
KAST	82.30	P	21:38:17.459	0.2	29.6	5.21	TAS	11.0	0.84	a_e	mb	5.0
MANZ	82.22	P	21:38:16.859	0.4	29.6	5.21	TAS	1.3	0.81	a_e	mb	4.1
MOX	81.81	P	21:38:14.540	0.1	29.6	5.21	TAS	15.6	1.08	m_e	mb	5.1
NEUB	81.29	P	21:38:11.359	-0.4	29.6	5.21	TAS	24.6	0.91	a_e	mb	5.2
NRDL	80.67	P	21:38:08.209	-0.6	29.6	5.21	TAS	7.5	0.81	a_e	mb	4.8
PLONS	85.67	P	21:38:35.399		29.6	5.21	TAS	7.0	0.75	m_e	mb	4.9
RGN	77.92	P	21:37:58.832	4.2	29.6	5.21	TAS	67.6	0.79	m_e	mb	5.8
RJOB	83.93	P	21:38:26.559	0.3	29.6	5.21	TAS	7.7	0.77	a_e	mb	5.0
ROTZ	82.38	P	21:38:18.009	0.4	29.6	5.21	TAS	1.9	0.79	a_e	mb	4.3
SLE	85.33	P	21:38:33.220		29.6	5.21	TAS	6.2	0.67	m_e	mb	5.0
STU	84.22	P	21:38:27.709	0.4	29.6	5.21	TAS	20.0	0.80	a_e	mb	5.4
SULZ	85.65	P	21:38:35.231		29.6	5.21	TAS	20.5	0.89	m_e	mb	5.3
TANN	81.74	P	21:38:14.075	-0.5	29.6	5.21	TAS	3.5	0.75	m_e	mb	4.6
TNS	83.16	P	21:38:22.159	0.0	29.6	5.21	TAS	10.8	0.87	a_e	mb	5.1
UBBA	82.17	P	21:38:16.220	0.3	29.6	5.21	TAS	5.0	0.63	m_e	mb	4.8
UBR	84.88	P	21:38:30.945		29.6	5.21	TAS	3.5	0.71	m_e	mb	4.7
WERD	81.76	P	21:38:14.259	-0.2	29.6	5.21	TAS	6.9	0.84	a_e	mb	4.8
WERN	81.88	P	21:38:15.167	-0.2	29.6	5.21	TAS	9.9	0.66	m_e	mb	5.1
WET	82.70	P	21:38:19.809	0.3	29.6	5.21	TAS	13.1	0.88	m_e	mb	5.2

Event 71024003 Eastern Mediterranean Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/24	09:35:28.88	2.94	2.55	33.2420	32.2100	223.5	163.4	47	10.0				31 348	20.60	27.10	m i ke	BGR
71024009																	

Magnitude Err Nsta Author OrigID  
mb 4.4 BGR 71024009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	25.28		P	09:40:58.203		128.8		10.42		TAS		19.3	1.13	m_e	mb	4.7
ASSE	24.47		P	09:40:49.757		128.8		10.42		TAS		7.4	0.96	m_e	mb	4.2
BALST	23.28		P	09:40:35.098	0.8	128.8		10.42		TAS		13.8	1.01	m_e	mb	4.4
BRG	22.13		P	09:40:24.578	-1.0	128.8		10.42		TAS		6.1	0.91	m_e	mb	4.0
BUG	25.69		P	09:41:02.890		128.8		10.42		TAS		14.5	0.97	m_e	mb	4.6
CLL	22.86		P	09:40:33.782	-0.9	128.8		10.42		TAS		17.4	1.16	m_e	mb	4.5
CLZ	24.42		P	09:40:48.916	-10.4	128.8		10.42		TAS		11.2	1.06	m_e	mb	4.3
FBE	22.43		P	09:40:29.062	0.7	128.8		10.42		TAS		17.1	0.98	m_e	mb	4.4
GEC2	20.84		P	09:40:06.875	-4.0	128.8		10.42		TAS		7.3	0.98	m_e	mb	4.0

GRA1	22.63	P	09:40:29.860	-0.9	128.8	10.42	TAS	16.3	1.08	m_e	mb	4.5
GTTG	24.42	P	09:40:49.703	2.0	128.8	10.42	TAS	45.4	1.23	m_e	mb	4.9
GUNZ	22.52	P	09:40:29.307	1.3	128.8	10.42	TAS	10.2	0.94	m_e	mb	4.3
HLG	27.10	P	09:41:04.796		128.8	10.42	TAS	209.7	0.92	m_e	mb	5.9
IBBN	25.97	P	09:41:06.206		128.8	10.42	TAS	18.2	0.94	m_e	mb	4.7
MANZ	22.37	P	09:40:25.882	0.9	128.8	10.42	TAS	1.4	0.92	m_e	mb	3.4
MOX	23.05	P	09:40:32.825	1.1	128.8	10.42	TAS	20.8	1.16	m_e	mb	4.6
NEUB	23.34	P	09:40:38.023	1.0	128.8	10.42	TAS	18.4	1.10	m_e	mb	4.5
NRDL	24.98	P	09:40:56.114		128.8	10.42	TAS	22.3	1.08	m_e	mb	4.8
PLONS	22.14	P	09:40:22.022	-2.3	128.8	10.42	TAS	10.1	0.94	m_e	mb	4.2
RJOB	20.60	P	09:40:06.541	-1.7	128.8	10.42	TAS	5.2	0.83	m_e	mb	3.9
ROTZ	22.18	P	09:40:22.583	1.1	128.8	10.42	TAS	2.2	1.13	m_e	mb	3.5
SLE	23.02	P	09:40:31.173	0.1	128.8	10.42	TAS	27.4	1.09	m_e	mb	4.7
STU	23.16	P	09:40:34.820	1.5	128.8	10.42	TAS	16.5	0.79	m_e	mb	4.6
SULZ	23.13	P	09:40:32.876	0.3	128.8	10.42	TAS	44.0	1.11	m_e	mb	4.9
TANN	22.49	P	09:40:28.390	1.1	128.8	10.42	TAS	6.6	0.90	m_e	mb	4.1
TNS	24.38	P	09:40:48.522	1.2	128.8	10.42	TAS	33.2	1.15	m_e	mb	4.8
UBR	22.05	P	09:40:21.523	-0.6	128.8	10.42	TAS	52.1	1.35	m_e	mb	4.8
WERD	22.58	P	09:40:30.197	0.3	128.8	10.42	TAS	6.4	0.90	m_e	mb	4.2
WERN	22.44	P	09:40:28.419	2.3	128.8	10.42	TAS	6.4	0.91	m_e	mb	4.0
WET	21.44	P	09:40:13.907	-3.3	128.8	10.42	TAS	7.7	0.98	m_e	mb	4.0
WILA	22.60	P	09:40:28.296	0.5	128.8	10.42	TAS	24.2	0.87	m_e	mb	4.7

Event 71024008 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/24	16:12:16.69			14.7700	-93.1100				37.5	3.3		29		84.76	89.69	m i ke	BGR
71024014																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71024014
Ms	4.7		BGR	71024014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	85.07		P	16:24:48.686	0.2	290.3		4.77		TAS		23.4	0.78	m_e	mb	5.5
AHRW	85.07		pP	16:25:00.300						T__				m_e		
ASSE	86.71		P	16:24:57.533	0.2	290.3		4.77		TAS		8.4	0.89	m_e	mb	4.9
BFO	86.52		P	16:24:56.072	0.6	290.3		4.77		TAS		7.8	0.79	m_e	mb	4.9
BRG	89.07		P	16:25:09.012		290.3		4.77		TAS		5.5	0.79	m_e	mb	4.8
BSEG	85.90		P	16:24:53.295	-0.3	290.3		4.77		TAS		24.8	0.82	m_e	mb	5.4
BSEG	85.90		pP	16:25:03.278						T__				m_e		
CLL	88.36		P	16:25:03.945		290.3		4.77		TAS		4.7	0.87	m_e	mb	4.8
CLL	88.36		pP	16:25:15.794						T__				m_e		
CLZ	86.63		P	16:24:56.351	0.1	290.3		4.77		TAS		9.1	0.79	m_e	mb	5.0
CLZ	86.63		pP	16:25:07.577						T__				m_e		
FBE	88.71		P	16:25:06.603		290.3		4.77		TAS		6.4	0.79	m_e	mb	4.9

FLT1	86.97	P	16:24:58.368	-0.1	290.3	4.77	TAS	8.1	0.91	m_e	mb	4.9
GEC2	89.69	P	16:25:09.649		290.3	4.77	TAS	5.4	0.88	m_e	mb	4.8
GRA1	87.87	P	16:25:03.561	-0.8	290.3	4.77	TAS	7.0	0.84	m_e	mb	5.0
GRA1	87.87	L	16:57:28.461				T__	260.6	19.10	a_e	Ms	4.7
GTTG	86.49	P	16:24:55.598	0.6	290.3	4.77	TAS	27.3	0.86	m_e	mb	5.4
GUNZ	88.30	P	16:25:04.150	0.8	290.3	4.77	TAS	4.7	0.79	m_e	mb	4.9
IBBN	84.95	P	16:24:48.574	-1.9	290.3	4.77	TAS	22.6	0.75	m_e	mb	5.5
IBBN	84.95	pP	16:24:58.583				T__			m_e		
KAST	85.68	P	16:24:50.166	-0.0	290.3	4.77	TAS	10.6	0.80	m_e	mb	5.0
MANZ	88.31	P	16:25:04.288	0.3	290.3	4.77	TAS	0.8	0.85	m_e	mb	4.1
MOX	87.78	P	16:25:02.705	-0.4	290.3	4.77	TAS	3.1	0.69	m_e	mb	4.8
MOX	87.78	L	17:01:02.875				T__	365.6	18.30	a_e	Ms	4.8
NRDL	86.26	P	16:24:55.354	-0.2	290.3	4.77	TAS	14.5	0.84	m_e	mb	5.1
NRDL	86.26	pP	16:25:05.545				T__			m_e		
RJOB	89.54	P	16:25:10.638		290.3	4.77	TAS	4.0	0.84	m_e	mb	4.7
ROTZ	88.44	P	16:25:05.250		290.3	4.77	TAS	0.7	0.90	m_e	mb	4.0
STU	86.93	P	16:24:58.018	1.1	290.3	4.77	TAS	44.3	0.75	m_e	mb	5.7
TANN	88.36	P	16:25:04.505	-1.5	290.3	4.77	TAS	5.4	0.82	m_e	mb	4.9
TNS	86.01	P	16:24:53.556	0.0	290.3	4.77	TAS	32.0	0.76	m_e	mb	5.5
TNS	86.01	pP	16:25:04.328				T__			m_e		
UBBA	86.75	P	16:24:57.732	0.7	290.3	4.77	TAS	2.7	0.84	m_e	mb	4.4
UBR	87.86	P	16:25:03.147	-0.3	290.3	4.77	TAS	9.2	0.94	m_e	mb	5.1
WERD	88.26	P	16:25:04.241	0.2	290.3	4.77	TAS	1.8	0.80	m_e	mb	4.4
WERN	88.36	P	16:25:04.345	0.2	290.3	4.77	TAS	4.5	0.72	m_e	mb	4.9
WET	89.08	P	16:25:08.485		290.3	4.77	TAS	6.3	0.83	m_e	mb	4.9
WLF	84.76	P	16:24:47.880	0.0	290.3	4.77	TAS	8.3	0.80	m_e	mb	5.0

Event 71025004 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/25	22:45:59.73	0.47	1.15	43.4830	17.8590	7.8	6.7	136	10.0			40	287	3.83	9.55	m i ke	BGR
71025010																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	71025010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	9.55		Pn	22:48:13.977	-0.3					T__				m_e	
ARSA	4.11		Sn	22:47:43.666	-1.8					T__				m_e	
ARSA	4.11		Pn	22:46:59.512	-1.6					T__				m_e	ML 4.2
BALST	8.12		Pn	22:47:55.349	0.2					T__				m_e	
BERGE	8.07		Pn	22:47:53.687	-0.8					T__				m_e	
BERGE	8.07		Sn	22:49:19.466	1.5					T__				m_e	
BFO	8.22		Pn	22:47:55.517	-0.9					T__				m_e	
CKRC	5.88		Sn	22:48:25.684	-1.1					T__				m_e	
CKRC	5.88		Pn	22:47:24.811	-0.1					T__				m_e	ML 4.6

DAVA	6.78	Pn	22:47:37.443	0.4	T__	m_e	
DAVA	6.78	Sn	22:48:51.309	3.4	T__	m_e	
DPC	6.95	Sn	22:48:53.307	1.6	T__	m_e	
DPC	6.95	Pn	22:47:39.680	0.4	T__	m_e	ML 4.9
ECH	8.84	Sn	22:49:37.508	1.6	T__	m_e	
ECH	8.84	Pn	22:48:03.977	-0.8	T__	m_e	
EMING	7.70	Pn	22:47:48.736	-0.7	T__	m_e	
FUR	6.56	Pn	22:47:34.405	0.3	T__	m_e	
GEC2	6.09	Sn	22:48:30.789	-0.9	T__	m_e	
GEC2	6.09	Pn	22:47:27.308	-0.4	T__	m_e	ML 4.5
JAVC	5.38	Sn	22:48:17.770	2.7	T__	m_e	
JAVC	5.38	Pn	22:47:18.395	0.2	T__	m_e	ML 4.1
KBA	4.80	Pn	22:47:09.369	-1.0	T__	m_e	
KHC	6.38	Pn	22:47:31.398	-0.2	T__	m_e	ML 4.5
KHC	6.38	Sn	22:48:35.797	-2.6	T__	m_e	
KRUC	5.67	Sn	22:48:22.329	0.4	T__	m_e	
KRUC	5.67	Pn	22:47:21.224	-0.9	T__	m_e	ML 4.2
MANZ	7.61	Pn	22:47:48.157	-0.0	T__	m_e	ML 4.5
MANZ	7.61	Sn	22:49:07.401	0.3	T__	m_e	
METMA	7.95	Sn	22:49:14.674	-0.5	T__	m_e	
METMA	7.95	Pn	22:47:52.015	-0.8	T__	m_e	
MOA	5.04	Sn	22:48:07.054	-0.1	T__	m_e	
MOA	5.04	Pn	22:47:13.448	-0.1	T__	m_e	ML 4.7
MORC	6.30	Sn	22:48:37.554	1.0	T__	m_e	
MORC	6.30	Pn	22:47:30.345	-0.2	T__	m_e	ML 4.8
MOX	8.33	Sn	22:49:24.377	0.3	T__	m_e	
MOX	8.33	Pn	22:47:57.601	-0.3	T__	m_e	
NIE	6.17	Pn	22:47:31.248	2.4	T__	m_e	
NORI	7.26	Pn	22:47:42.961	-0.5	T__	m_e	ML 4.7
OBER	6.61	Pn	22:47:35.144	0.4	T__	m_e	
OBKA	3.83	Pn	22:46:56.067	-1.2	T__	m_e	
OJC	6.87	Pn	22:47:39.886	1.7	T__	m_e	
OKC	6.36	Pn	22:47:32.195	0.8	T__	m_e	ML 3.8
PART	6.21	Pn	22:47:30.927	1.6	T__	m_e	ML 4.5
PLONS	6.96	Sn	22:48:54.744	2.6	T__	m_e	
PLONS	6.96	Pn	22:47:40.146	0.6	T__	m_e	ML 4.5
RJOB	5.54	Sn	22:48:20.558		T__	m_e	
RJOB	5.54	Pn	22:47:20.347		T__	m_e	
ROTZ	7.39	Sn	22:49:01.343	-0.7	T__	m_e	
ROTZ	7.39	Pn	22:47:44.092	-1.1	T__	m_e	ML 4.5
SLE	7.84	Pn	22:47:50.534	-0.7	T__	m_e	
SULZ	7.95	Pn	22:47:52.303	-0.5	T__	m_e	
TNS	9.32	Pn	22:48:12.119	0.9	T__	m_e	
UBR	6.87	Pn	22:47:37.806	-0.4	T__	m_e	ML 5.0
VRAC	5.89	Sn	22:48:25.456	-1.6	T__	m_e	
VRAC	5.89	Pn	22:47:24.855	-0.2	T__	m_e	ML 4.0
WALHA	7.46	Pn	22:47:45.909	-0.3	T__	m_e	
WET	6.63	Sn	22:48:42.523	-1.8	T__	m_e	
WET	6.63	Pn	22:47:34.760	-0.2	T__	m_e	ML 4.6

WILA	7.42	Pn	22:47:45.939	0.3	T__	m_e	
WTTA	5.79	Pn	22:47:23.789	0.1	T__	m_e ML	4.7

Event 71025005 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/25	22:49:58.43	0.54	1.23	43.3270	18.1650	10.0	7.8	112	10.0			35	306	4.09	10.46	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
ML	4.7		BGR	71025011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	9.82		Sn	22:53:58.958	1.6					T__				m_e	
ABH	9.82		Pn	22:52:17.093	0.5					T__				m_e	
AHRW	10.46		Pn	22:52:26.707	1.5					T__				m_e	
ARSA	4.34		Pn	22:51:01.484	-1.4					T__				m_e	
BALST	8.39		Pn	22:51:57.490	0.1					T__				m_e	
BERGE	8.35		Pn	22:51:55.706	-1.1					T__				m_e	
BFO	8.49		Sn	22:53:27.123	0.6					T__				m_e	
BFO	8.49		Pn	22:51:58.044	-0.8					T__				m_e ML	4.8
CKRC	6.11		Pn	22:51:27.237	0.5					T__				m_e ML	4.6
DAVA	7.06		Pn	22:51:40.082	0.7					T__				m_e	
DPC	7.14		Sn	22:52:56.483	1.9					T__				m_e	
ECH	9.11		Sn	22:53:42.161	1.3					T__				m_e	
ECH	9.11		Pn	22:52:06.092	-1.0					T__				m_e	
EMING	7.97		Sn	22:53:13.808	-0.5					T__				m_e	
EMING	7.97		Pn	22:51:50.984	-0.8					T__				m_e ML	4.9
FUR	6.83		Pn	22:51:36.685	0.3					T__				m_e	
GEC2	6.33		Sn	22:52:32.662	-3.4					T__				m_e	
GEC2	6.33		Pn	22:51:29.510	-0.2					T__				m_e ML	4.5
KHC	6.62		Sn	22:52:40.712	-2.0					T__				m_e	
KHC	6.62		Pn	22:51:33.800	0.3					T__				m_e ML	4.5
KRUC	5.87		Sn	22:52:24.152	-1.0					T__				m_e	
KRUC	5.87		Pn	22:51:23.507	0.1					T__				m_e ML	4.6
MANZ	7.85		Sn	22:53:12.057	0.5					T__				m_e	
MANZ	7.85		Pn	22:51:50.340	0.2					T__				m_e ML	4.6
METMA	8.22		Pn	22:51:54.243	-0.9					T__				m_e	
MOA	5.29		Sn	22:52:09.017	-2.6					T__				m_e	
MOA	5.29		Pn	22:51:15.328	-0.3					T__				m_e ML	4.7
MORC	6.47		Sn	22:52:40.565	1.7					T__				m_e	
MORC	6.47		Pn	22:51:31.877	0.4					T__				m_e ML	5.1
MOX	8.58		Sn	22:53:27.478	-0.9					T__				m_e	
MOX	8.58		Pn	22:51:59.733	-0.2					T__				m_e ML	4.7
NORI	7.52		Pn	22:51:45.643	-0.1					T__				m_e	
OBER	6.88		Pn	22:51:37.364	0.3					T__				m_e	

OBKA	4.09	Pn	22:50:58.277	-1.2	T__	m_e	ML	4.9
PART	6.48	Pn	22:51:32.429	0.7	T__	m_e	ML	4.7
PLONS	7.24	Sn	22:52:58.577	1.4	T__	m_e		
PLONS	7.24	Pn	22:51:42.646	0.8	T__	m_e	ML	4.6
RIVT	10.12	Sn	22:54:07.390	3.1	T__	m_e		
RIVT	10.12	Pn	22:52:22.978	2.4	T__	m_e		
RJOB	5.80	Pn	22:51:22.757	0.2	T__	m_e	ML	4.6
ROTZ	7.64	Sn	22:53:04.588	-1.9	T__	m_e		
ROTZ	7.64	Pn	22:51:46.673	-0.6	T__	m_e	ML	4.7
SLE	8.11	Pn	22:51:52.550	-1.1	T__	m_e		
STU	8.28	Pn	22:51:55.585	-0.3	T__	m_e		
TNS	9.59	Sn	22:53:51.054	-0.9	T__	m_e		
TNS	9.59	Pn	22:52:13.923	0.4	T__	m_e		
UBR	7.14	Pn	22:51:40.129	-0.4	T__	m_e		
WALHA	7.74	Pn	22:51:48.532	-0.1	T__	m_e		
WILA	7.69	Pn	22:51:47.979	-0.0	T__	m_e		
WTTA	6.06	Pn	22:51:25.925	-0.1	T__	m_e		

Event 71025006 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/10/25	22:58:08.32	0.51	1.35	43.4120	18.0040	11.1	8.9	136	10.0				43	288	3.95	10.28	m i ke BGR
71025012																	

Magnitude Err Nsta Author OrigID  
 ML 4.5 BGR 71025012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ABH	9.67		Sn	23:02:08.212	4.3					T__				m_e	
ABH	9.67		Pn	23:00:25.139	0.6					T__				m_e	
ARSA	4.22		Pn	22:59:09.597	-1.5					T__				m_e	ML 4.1
BALST	8.25		Pn	23:00:05.385	0.0					T__				m_e	
BERGE	8.20		Pn	23:00:03.728	-1.0					T__				m_e	
BFO	8.35		Sn	23:01:34.757	1.8					T__				m_e	
BFO	8.35		Pn	23:00:05.626	-1.1					T__				m_e	ML 4.5
CKRC	5.99		Sn	23:00:36.310	-1.6					T__				m_e	
CKRC	5.99		Pn	22:59:35.092	0.2					T__				m_e	ML 4.4
DAVA	6.91		Pn	22:59:47.327	-0.0					T__				m_e	ML 4.7
DPC	7.03		Pn	22:59:49.881	0.9					T__				m_e	
ECH	8.97		Pn	23:00:13.807	-1.2					T__				m_e	
EMING	7.82		Sn	23:01:21.106	0.3					T__				m_e	
EMING	7.82		Pn	22:59:58.830	-0.8					T__				m_e	ML 4.7
FUR	6.68		Pn	22:59:44.510	0.2					T__				m_e	ML 4.8
GEC2	6.20		Sn	23:00:40.614	-2.3					T__				m_e	
GEC2	6.20		Pn	22:59:37.214	-0.6					T__				m_e	ML 4.3
JAVC	5.45		Pn	22:59:28.601	0.9					T__				m_e	ML 4.1

KBA	4.93	Pn	22:59:20.081	-0.6	T__	m_e ML	4.2
KHC	6.49	Sn	23:00:49.203	-0.4	T__	m_e	
KHC	6.49	Pn	22:59:41.368	-0.3	T__	m_e ML	4.3
KRUC	5.76	Sn	23:00:32.127	-0.4	T__	m_e	
KRUC	5.76	Pn	22:59:31.448	-0.4	T__	m_e ML	4.3
MANZ	7.72	Pn	22:59:57.306	-1.0	T__	m_e ML	4.3
METMA	8.08	Pn	23:00:01.954	-1.1	T__	m_e	
MILB	8.78	Pn	23:00:12.360	-0.1	T__	m_e	
MOA	5.15	Sn	23:00:17.223	-1.2	T__	m_e	
MOA	5.15	Pn	22:59:23.393	-0.3	T__	m_e ML	4.6
MORC	6.37	Sn	23:00:48.348	1.4	T__	m_e	
MORC	6.37	Pn	22:59:40.780	0.6	T__	m_e ML	4.9
MOX	8.45	Pn	23:00:07.616	-0.4	T__	m_e	
NIE	6.22	Pn	22:59:41.423	3.4	T__	m_e	
NORI	7.38	Pn	22:59:53.032	-0.7	T__	m_e ML	4.6
OBER	6.74	Pn	22:59:45.284	0.2	T__	m_e ML	4.5
OBKA	3.95	Pn	22:59:06.538	-0.9	T__	m_e ML	4.7
OKC	6.43	Pn	22:59:42.354	1.5	T__	m_e ML	4.0
PART	6.34	Pn	22:59:40.771	1.1	T__	m_e	
PLONS	7.09	Sn	23:01:07.330	3.7	T__	m_e	
PLONS	7.09	Pn	22:59:50.032	0.2	T__	m_e ML	4.3
RIVT	9.97	Pn	23:00:29.714	1.2	T__	m_e	
RJOB	5.66	Pn	22:59:30.055	-0.5	T__	m_e	
ROTZ	7.50	Sn	23:01:09.863	-3.4	T__	m_e ML	4.3
SLE	7.96	Pn	23:00:00.597	-0.9	T__	m_e	
STU	8.13	Pn	23:00:02.842	-1.0	T__	m_e	
SULZ	8.08	Pn	23:00:02.371	-0.7	T__	m_e	
TNS	9.45	Sn	23:01:59.236	0.7	T__	m_e	
TNS	9.45	Pn	23:00:22.260	0.8	T__	m_e	
UBR	7.00	Pn	22:59:48.171	-0.3	T__	m_e ML	4.8
VRAC	5.98	Sn	23:00:37.872	0.2	T__	m_e	
VRAC	5.98	Pn	22:59:34.604	-0.2	T__	m_e ML	4.0
WALHA	7.59	Pn	22:59:55.850	-0.7	T__	m_e	
WET	6.74	Pn	22:59:44.366	-0.7	T__	m_e ML	4.4
WILA	7.55	Pn	22:59:55.615	-0.3	T__	m_e ML	4.9
WLF	10.28	Pn	23:00:35.276	2.6	T__	m_e	
WTTA	5.91	Pn	22:59:34.027	0.1	T__	m_e ML	4.6

Event 71026006 Iceland region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/26	23:26:28.04			66.0000	-17.5400				10.0			24		18.24	24.28	m i ke	BGR
71026012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.1		BGR	71026012



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	19.97		P	23:31:02.014	-0.0	329.1		10.27		TAS		12.6	1.03	m_e	mb 4.1
BFO	22.30		P	23:31:24.424		329.1		10.27		TAS		8.9	0.99	m_e	mb 4.2
BRG	22.03		P	23:31:22.826		329.1		10.27		TAS		4.7	0.82	m_e	mb 4.0
BSEG	18.24		P	23:30:44.694	-0.4	329.1		10.27		TAS		13.3	1.07	m_e	mb 4.0
BUG	19.25		P	23:30:53.813	0.2	329.1		10.27		TAS		14.2	1.11	m_e	mb 4.1
CLL	21.33		P	23:31:13.315	-0.5	329.1		10.27		TAS		7.7	1.05	m_e	mb 4.0
CLZ	19.96		P	23:31:01.339	-0.8	329.1		10.27		TAS		11.0	0.92	m_e	mb 4.1
FBE	21.78		P	23:31:19.959	0.1	329.1		10.27		TAS		5.4	0.78	m_e	mb 4.0
FLT1	19.86		P	23:30:58.833	-0.8	329.1		10.27		TAS		4.2	0.76	m_e	mb 3.7
GEC2	23.64		P	23:31:39.286		329.1		10.27		TAS		9.7	1.24	m_e	mb 4.2
GRA1	22.06		P	23:31:23.124		329.1		10.27		TAS		19.4	1.06	m_e	mb 4.5
GUNZ	21.88		P	23:31:20.272		329.1		10.27		TAS		10.4	1.08	m_e	mb 4.2
MANZ	22.12		P	23:31:22.714		329.1		10.27		TAS		1.7	1.17	m_e	mb 3.4
MOX	21.39		P	23:31:15.350	1.4	329.1		10.27		TAS		4.6	0.87	m_e	mb 3.8
NEUB	20.99		P	23:31:12.490	-0.3	329.1		10.27		TAS		29.3	1.19	m_e	mb 4.5
RJOB	24.28		P	23:31:46.777		329.1		10.27		TAS		2.6	0.76	m_e	mb 3.8
ROTZ	22.34		P	23:31:25.455		329.1		10.27		TAS		5.9	1.55	m_e	mb 3.8
STU	22.19		P	23:31:24.259		329.1		10.27		TAS		28.3	0.82	m_e	mb 4.7
TANN	21.88		P	23:31:20.998		329.1		10.27		TAS		6.4	0.99	m_e	mb 4.0
UBBA	20.69		P	23:31:09.369	-1.0	329.1		10.27		TAS		9.4	1.21	m_e	mb 4.0
UBR	23.44		P	23:31:37.146		329.1		10.27		TAS		13.7	1.09	m_e	mb 4.4
WERD	21.80		P	23:31:19.474	0.8	329.1		10.27		TAS		8.2	1.01	m_e	mb 4.1
WERN	21.96		P	23:31:22.068		329.1		10.27		TAS		10.8	1.01	m_e	mb 4.2
WET	23.10		P	23:31:35.156		329.1		10.27		TAS		5.3	1.05	m_e	mb 4.0

Event 71027005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/27	09:38:35.87			45.9700	151.1600				33.0			30		75.04	80.69	m i ke	BGR
OrigID 71027011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	71027011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	78.97		P	09:50:37.260		27.3		5.55		TAS		16.6	0.80	m_e	mb 5.1
ASSE	76.55		P	09:50:23.560	0.3	27.3		5.55		TAS		11.7	0.98	m_e	mb 5.0
BFO	80.63		P	09:50:45.948		27.3		5.55		TAS		16.3	1.30	m_e	mb 4.9
BRG	76.70		P	09:50:24.675	-0.3	27.3		5.55		TAS		20.2	1.15	m_e	mb 5.1
BSEG	75.04		P	09:50:15.125	-0.0	27.3		5.55		TAS		49.3	1.20	m_e	mb 5.4
BUG	78.10		P	09:50:32.184	-0.0	27.3		5.55		TAS		19.7	0.68	m_e	mb 5.4
CLZ	76.89		P	09:50:25.923	0.1	27.3		5.55		TAS		38.5	0.99	m_e	mb 5.5
FBE	76.84		P	09:50:25.206	0.0	27.3		5.55		TAS		25.3	0.91	m_e	mb 5.3
FLT1	76.21		P	09:50:21.214	-0.1	27.3		5.55		TAS		30.0	0.88	a_e	mb 5.4

GEC2	78.55	P	09:50:34.731	0.2	27.3	5.55	TAS	26.8	1.29	m_e	mb	5.1
GOR1	75.61	P	09:50:18.425	-0.1	27.3	5.55	TAS	50.3	1.21	m_e	mb	5.5
GRA1	78.56	P	09:50:35.364	-0.4	27.3	5.55	TAS	83.2	1.33	a_e	mb	5.6
GTTG	77.27	P	09:50:27.836	-0.1	27.3	5.55	TAS	25.5	0.99	m_e	mb	5.3
GUNZ	77.64	P	09:50:29.764	0.3	27.3	5.55	TAS	23.2	1.09	a_e	mb	5.2
IBBN	77.18	P	09:50:27.164	-0.1	27.3	5.55	TAS	36.3	0.77	a_e	mb	5.6
KAST	78.01	P	09:50:32.064	0.2	27.3	5.55	TAS	31.2	1.13	a_e	mb	5.3
MANZ	78.04	P	09:50:31.964	0.4	27.3	5.55	TAS	4.7	1.15	a_e	mb	4.5
MOX	77.60	P	09:50:29.399	-0.2	27.3	5.55	TAS	28.0	1.25	m_e	mb	5.3
NEUB	77.07	P	09:50:26.316	-0.1	27.3	5.55	TAS	30.7	0.88	m_e	mb	5.4
NRDL	76.38	P	09:50:22.664	-0.1	27.3	5.55	TAS	20.2	0.94	a_e	mb	5.2
PLN	77.58	P	09:50:29.330	0.1	27.3	5.55	TAS	17.9	1.17	m_e	mb	5.1
RETH	76.37	P	09:50:22.764	0.2	27.3	5.55	TAS	29.6	1.08	a_e	mb	5.3
ROTZ	78.20	P	09:50:33.074	0.5	27.3	5.55	TAS	4.4	0.88	m_e	mb	4.6
TANN	77.55	P	09:50:29.186	-0.1	27.3	5.55	TAS	7.9	0.93	m_e	mb	4.8
TNS	78.88	P	09:50:36.814	-0.4	27.3	5.55	TAS	16.0	0.77	a_e	mb	5.1
UBBA	77.91	P	09:50:31.022	-0.0	27.3	5.55	TAS	10.4	0.73	m_e	mb	5.1
UBR	80.69	P	09:50:46.273		27.3	5.55	TAS	11.1	1.17	m_e	mb	4.8
WERD	77.57	P	09:50:29.314	0.0	27.3	5.55	TAS	18.9	1.06	a_e	mb	5.2
WERN	77.69	P	09:50:30.114	0.0	27.3	5.55	TAS	29.3	1.12	a_e	mb	5.3
WET	78.55	P	09:50:35.154	0.2	27.3	5.55	TAS	38.6	1.20	m_e	mb	5.3

Event 71028001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/28	14:15:34.04			-21.9240	-177.5090				600.0			18		147.49	153.24	m i ke	BGR
	71028007																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	153.24		PKPbc	14:34:25.117		17.1		2.33		TAS				m_e	
BRG	149.75		PKPbc	14:34:17.856	-0.4	17.1		2.33		TAS				m_e	
BSEG	147.49		PKPbc	14:34:11.648	0.1	17.1		2.33		TAS				m_e	
CLL	149.55		PKPbc	14:34:16.658	0.1	17.1		2.33		TAS				m_e	
CLZ	149.52		PKPbc	14:34:17.035	0.0	17.1		2.33		TAS				m_e	
FBE	149.84		PKPbc	14:34:17.742	-0.4	17.1		2.33		TAS				m_e	
GEC2	151.69		PKPbc	14:34:21.565		17.1		2.33		TAS				m_e	
GTTG	149.87		PKPbc	14:34:17.742	0.2	17.1		2.33		TAS				m_e	
GUNZ	150.58		PKPbc	14:34:19.437		17.1		2.33		TAS				m_e	
KAST	150.41		PKPbc	14:34:19.053	-0.1	17.1		2.33		TAS				m_e	
MANZ	150.98		PKPbc	14:34:20.317		17.1		2.33		TAS				m_e	
MOX	150.45		PKPbc	14:34:18.889		17.1		2.33		TAS				m_e	
PLN	150.50		PKPbc	14:34:19.098		17.1		2.33		TAS				m_e	
ROTZ	151.17		PKPbc	14:34:20.576		17.1		2.33		TAS				m_e	
TANN	150.50		PKPbc	14:34:19.129		17.1		2.33		TAS				m_e	

TNS	151.37	PKPbc	14:34:21.274	17.1	2.33	TAS	m_e
WERD	150.50	PKPbc	14:34:19.110	17.1	2.33	TAS	m_e
WLF	152.16	PKPbc	14:34:23.663	17.1	2.33	TAS	m_e

Event 71028005 North of Franz Josef Land

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/28	16:14:19.48			84.5000	36.5000				12.6	1.0		31		31.36	37.62	m i ke	BGR
71028011																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.5		BGR	71028011
Ms	5.0		BGR	71028011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	33.15		P	16:20:55.243	-0.5	4.2		8.60		TAS		46.3	1.17	m_e mb	5.3
ASSE	33.15		pP	16:20:58.737	-0.4	4.7		8.59		TAS				m_e	
BFO	37.06		P	16:21:28.510		4.2		8.60		TAS		69.3	1.24	m_e mb	5.2
BFO	37.06		pP	16:21:32.043		4.7		8.59		TAS				m_e	
BRG	34.26		P	16:21:05.416	0.0	4.2		8.60		TAS		103.2	1.26	m_e mb	5.6
BRG	34.26		pP	16:21:08.623	0.1	4.7		8.59		TAS				m_e	
BSEG	31.36		P	16:20:40.060	0.1	4.2		8.60		TAS		93.6	1.35	m_e mb	5.5
BSEG	31.36		pP	16:20:43.315	0.0	4.7		8.59		TAS				m_e	
BUG	34.01		P	16:21:02.405	-0.1	4.2		8.60		TAS		105.2	1.35	m_e mb	5.6
BUG	34.01		pP	16:21:05.928	0.0	4.7		8.59		TAS				m_e	
CLL	33.86		P	16:21:01.111	0.6	4.2		8.60		TAS		110.7	1.32	m_e mb	5.6
CLL	33.86		pP	16:21:04.412	0.6	4.7		8.59		TAS				m_e	
CLZ	33.45		P	16:20:58.486	0.3	4.2		8.60		TAS		113.0	1.32	m_e mb	5.6
CLZ	33.45		pP	16:21:01.585	0.3	4.7		8.59		TAS				m_e	
FBE	34.23		P	16:21:04.678	-0.1	4.2		8.60		TAS		158.4	1.18	m_e mb	5.8
FBE	34.23		pP	16:21:07.984	-0.1	4.7		8.59		TAS				m_e	
FLT1	32.92		P	16:20:53.063	0.1	4.2		8.60		TAS		1657.1	4.31	m_e mb	6.3
FLT1	32.92		pP	16:20:56.275	0.2	4.7		8.59		TAS				m_e	
GEC2	36.29		P	16:21:22.775		4.2		8.60		TAS		101.2	1.38	m_e mb	5.5
GEC2	36.29		pP	16:21:25.927		4.7		8.59		TAS				m_e	
GRA1	35.56		P	16:21:16.356	-0.4	4.2		8.60		TAS		117.2	1.24	m_e mb	5.6
GRA1	35.56		pP	16:21:19.557	-0.4	4.7		8.59		TAS				m_e	
GRA1	35.56		L	16:37:17.233						T__		2883.0	19.50	a_e Ms	5.0
GTTG	33.77		P	16:21:01.188	-0.4	4.2		8.60		TAS		160.8	1.37	m_e mb	5.8
GTTG	33.77		pP	16:21:04.324	-0.5	4.7		8.59		TAS				m_e	
GUNZ	34.84		P	16:21:10.218	0.0	4.2		8.60		TAS		111.4	1.27	m_e mb	5.6
GUNZ	34.84		pP	16:21:13.306	-0.0	4.7		8.59		TAS				m_e	
IBBN	33.12		P	16:20:54.782	0.3	4.2		8.60		TAS		115.5	1.58	m_e mb	5.6
IBBN	33.12		pP	16:20:58.325	0.1	4.7		8.59		TAS				m_e	
KAST	34.19		P	16:21:04.459	-0.0	4.2		8.60		TAS		63.3	1.26	m_e mb	5.4
KAST	34.19		pP	16:21:07.859	-0.1	4.7		8.59		TAS				m_e	

MANZ	35.22	P	16:21:13.289	-0.4	4.2	8.60	TAS	9.5	1.15	m_e	mb	4.6
MANZ	35.22	pP	16:21:16.674	-0.5	4.7	8.59	TAS			m_e		
MOX	34.59	P	16:21:07.942	0.3	4.2	8.60	TAS	108.9	1.20	m_e	mb	5.7
MOX	34.59	pP	16:21:11.183	0.2	4.7	8.59	TAS			m_e		
MOX	34.59	L	16:36:47.249				T__	3191.1	21.70	a_e	Ms	5.0
NEUB	34.03	P	16:21:02.827	-0.1	4.2	8.60	TAS	120.7	1.38	m_e	mb	5.6
NEUB	34.03	pP	16:21:06.005	-0.1	4.7	8.59	TAS			m_e		
PLN	34.72	P	16:21:09.019	-0.1	4.2	8.60	TAS	73.1	1.33	m_e	mb	5.4
PLN	34.72	pP	16:21:12.185	0.0	4.7	8.59	TAS			m_e		
RETH	32.60	sP	14:13:36.462				T__			m_e		
RETH	32.60	P	16:20:50.855	-0.6	4.2	8.60	TAS	67.5	1.21	m_e	mb	5.4
RETH	32.60	pP	16:20:54.336	-0.7	4.7	8.59	TAS			m_e		
RJOB	37.44	P	16:21:32.175		4.2	8.60	TAS	27.7	0.94	m_e	mb	5.0
RJOB	37.44	pP	16:21:35.250		4.7	8.59	TAS			m_e		
ROTZ	35.44	P	16:21:15.383	-0.4	4.2	8.60	TAS	35.6	1.39	m_e	mb	5.1
ROTZ	35.44	pP	16:21:18.603	-0.2	4.7	8.59	TAS			m_e		
RUE	32.66	P	16:20:51.275	0.3	4.2	8.60	TAS	120.5	1.15	m_e	mb	5.7
RUE	32.66	pP	16:20:54.431	0.1	4.7	8.59	TAS			m_e		
STU	36.57	P	16:21:24.556		4.2	8.60	TAS	215.2	1.13	m_e	mb	5.8
STU	36.57	pP	16:21:27.804		4.7	8.59	TAS			m_e		
TANN	34.78	P	16:21:09.560	0.6	4.2	8.60	TAS	52.7	1.16	m_e	mb	5.4
TANN	34.78	pP	16:21:12.903	0.6	4.7	8.59	TAS			m_e		
TNS	35.16	P	16:21:12.614	0.5	4.2	8.60	TAS	65.4	1.16	m_e	mb	5.5
TNS	35.16	pP	16:21:15.989	0.5	4.7	8.59	TAS			m_e		
UBR	37.62	P	16:21:33.619		4.2	8.60	TAS	100.1	1.38	m_e	mb	5.4
UBR	37.62	pP	16:21:36.881		4.7	8.59	TAS			m_e		
WERD	34.75	P	16:21:09.285	0.1	4.2	8.60	TAS	65.0	1.21	m_e	mb	5.4
WERD	34.75	pP	16:21:12.505	0.1	4.7	8.59	TAS			m_e		
WERN	34.91	P	16:21:11.005	0.3	4.2	8.60	TAS	184.3	1.30	m_e	mb	5.9
WERN	34.91	pP	16:21:14.165	0.3	4.7	8.59	TAS			m_e		
WET	36.03	P	16:21:20.546		4.2	8.60	TAS	88.2	1.46	m_e	mb	5.4
WET	36.03	pP	16:21:23.754		4.7	8.59	TAS			m_e		
WLF	35.84	P	16:21:18.279	-0.2	4.2	8.60	TAS	52.8	1.14	m_e	mb	5.3
WLF	35.84	pP	16:21:21.723	-0.2	4.7	8.59	TAS			m_e		

Event 71028002 North of Franz Josef Land

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/28	16:16:19.39			86.0100	47.6900				29.7	2.6		26		33.13	39.22	m i k e	BGR
71028008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	71028008
Ms	5.1		BGR	71028008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
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AHRW	36.68	P	16:23:24.977	0.2	4.9	8.57	TAS	54.9	1.34	m_e	mb	5.1
AHRW	36.68	pP	16:23:33.101	-0.1	4.7	8.61	TAS			m_e		
BFO	38.82	P	16:23:43.326		4.9	8.57	TAS	202.1	1.92	m_e	mb	5.4
BFO	38.82	pP	16:23:51.198		4.7	8.61	TAS			m_e		
BRG	36.03	P	16:23:20.149	0.0	4.9	8.57	TAS	45.1	1.24	m_e	mb	5.2
BRG	36.03	pP	16:23:27.858	0.1	4.7	8.61	TAS			m_e		
BSEG	33.13	P	16:22:54.873	0.0	4.9	8.57	TAS	388.6	2.30	m_e	mb	5.9
BSEG	33.13	pP	16:23:02.666	0.1	4.7	8.61	TAS			m_e		
BUG	35.77	P	16:23:17.365	0.1	4.9	8.57	TAS	612.0	2.65	m_e	mb	6.0
BUG	35.77	pP	16:23:24.775	-0.3	4.7	8.61	TAS			m_e		
CLL	35.64	P	16:23:15.819	-0.0	4.9	8.57	TAS	243.8	2.13	m_e	mb	5.7
CLL	35.64	pP	16:23:23.291	-0.3	4.7	8.61	TAS			m_e		
CLZ	35.22	P	16:23:13.133	0.0	4.9	8.57	TAS	457.8	2.28	m_e	mb	6.0
CLZ	35.22	pP	16:23:20.798	-0.1	4.7	8.61	TAS			m_e		
FLT1	34.70	P	16:23:07.735	0.3	4.9	8.57	TAS	197.1	1.83	m_e	mb	5.7
FLT1	34.70	pP	16:23:15.625	0.3	4.7	8.61	TAS			m_e		
GEC2	38.07	P	16:23:36.458		4.9	8.57	TAS	171.1	1.86	m_e	mb	5.5
GEC2	38.07	pP	16:23:44.892		4.7	8.61	TAS			m_e		
GRA1	37.33	P	16:23:31.001		4.9	8.57	TAS	123.6	1.38	m_e	mb	5.5
GRA1	37.33	pP	16:23:38.769		4.7	8.61	TAS			m_e		
GRA1	37.33	L	16:37:17.225				T__	2883.0	19.50	a_e	Ms	5.1
GTTG	35.54	P	16:23:15.646	-0.1	4.9	8.57	TAS	799.6	2.78	m_e	mb	6.1
GTTG	35.54	pP	16:23:23.680	0.3	4.7	8.61	TAS			m_e		
GUNZ	36.61	P	16:23:24.653	-0.2	4.9	8.57	TAS	139.7	1.43	m_e	mb	5.5
GUNZ	36.61	pP	16:23:32.689	-0.4	4.7	8.61	TAS			m_e		
KAST	35.95	P	16:23:19.362	0.0	4.9	8.57	TAS	455.7	2.42	m_e	mb	5.9
KAST	35.95	pP	16:23:27.155	-0.2	4.7	8.61	TAS			m_e		
MANZ	37.00	P	16:23:28.117		4.9	8.57	TAS	39.4	1.95	m_e	mb	4.8
MANZ	37.00	pP	16:23:35.579		4.7	8.61	TAS			m_e		
MOX	36.36	P	16:23:22.685	0.3	4.9	8.57	TAS	356.3	2.06	m_e	mb	5.8
MOX	36.36	pP	16:23:30.364	0.1	4.7	8.61	TAS			m_e		
MOX	36.36	L	16:36:47.255				T__	3191.1	21.70	a_e	Ms	5.1
NRDL	34.58	P	16:23:07.495	-0.0	4.9	8.57	TAS	755.1	2.61	m_e	mb	6.2
NRDL	34.58	pP	16:23:15.250	0.3	4.7	8.61	TAS			m_e		
PLN	36.50	P	16:23:23.873	0.0	4.9	8.57	TAS	355.1	2.26	m_e	mb	5.8
PLN	36.50	pP	16:23:31.286	-0.1	4.7	8.61	TAS			m_e		
RETH	34.37	P	16:23:05.647	0.2	4.9	8.57	TAS	220.8	1.90	m_e	mb	5.8
RETH	34.37	pP	16:23:13.585	0.1	4.7	8.61	TAS			m_e		
RJOB	39.22	P	16:23:46.651		4.9	8.57	TAS	25.4	1.12	m_e	mb	4.8
ROTZ	37.21	P	16:23:30.135		4.9	8.57	TAS	20.8	1.23	m_e	mb	4.7
ROTZ	37.21	pP	16:23:37.749		4.7	8.61	TAS			m_e		
TANN	36.56	P	16:23:24.187	-0.4	4.9	8.57	TAS	294.0	2.09	m_e	mb	5.6
TANN	36.56	pP	16:23:31.757	0.2	4.7	8.61	TAS			m_e		
TNS	36.93	P	16:23:27.495		4.9	8.57	TAS	252.1	2.06	m_e	mb	5.6
TNS	36.93	pP	16:23:35.365		4.7	8.61	TAS			m_e		
WERD	36.53	P	16:23:23.960	-0.3	4.9	8.57	TAS	120.5	1.52	m_e	mb	5.4
WERD	36.53	pP	16:23:31.464	0.3	4.7	8.61	TAS			m_e		
WERN	36.69	P	16:23:25.519		4.9	8.57	TAS	164.9	1.44	m_e	mb	5.6
WERN	36.69	pP	16:23:33.577		4.7	8.61	TAS			m_e		

WET	37.81	pP	16:23:42.914	4.7	8.61	TAS				m_e				
WLF	37.60	P	16:23:32.920	4.9	8.57	TAS	328.7	2.28		m_e mb			5.7	
WLF	37.60	pP	16:23:40.278	4.7	8.61	TAS				m_e				

Event 71028003 Hindu Kush, Afghanistan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/28	17:45:31.19			35.8200	70.8600				99.9	1.8		28		42.96	48.05	m i ke	BGR

OrigID 71028009

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	71028009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.34		P	17:53:55.541	-0.1	85.4		7.93		TAS		14.6	0.84	m_e mb	5.1
AHRW	47.34		pP	17:54:19.213	-0.2	85.3		7.97		TAS				m_e	
BRG	42.96		P	17:53:21.453	0.1	85.4		7.93		TAS		18.6	0.78	m_e mb	4.9
BRG	42.96		pP	17:53:44.751	0.4	85.3		7.97		TAS				m_e	
BSEG	45.07		P	17:53:37.777	-0.6	85.4		7.93		TAS		29.7	0.81	m_e mb	5.3
BSEG	45.07		pP	17:54:01.172	-0.5	85.3		7.97		TAS				m_e	
BUG	47.10		P	17:53:53.494	-0.2	85.4		7.93		TAS		18.5	0.90	m_e mb	5.2
BUG	47.10		pP	17:54:17.066	0.0	85.3		7.97		TAS				m_e	
CLL	43.53		P	17:53:24.883	-0.2	85.4		7.93		TAS		11.6	0.80	m_e mb	4.7
CLL	43.53		pP	17:53:48.159	-0.1	85.3		7.97		TAS				m_e	
CLZ	45.14		P	17:53:38.122	0.5	85.4		7.93		TAS		16.4	0.93	m_e mb	4.9
FBE	43.33		P	17:53:23.994	-0.0	85.4		7.93		TAS		26.0	0.87	m_e mb	5.0
FBE	43.33		pP	17:53:47.371	0.3	85.3		7.97		TAS				m_e	
FLT1	44.58		P	17:53:33.193	-0.6	85.4		7.93		TAS		43.3	0.77	m_e mb	5.4
FLT1	44.58		pP	17:53:56.580	0.3	85.3		7.97		TAS				m_e	
FUR	44.91		P	17:53:36.386		85.4		7.93		TAS		30.0	0.88	m_e mb	5.2
GEC2	43.23		P	17:53:22.858		85.4		7.93		TAS		17.6	1.46	m_e mb	4.6
GEC2	43.23		pP	17:53:46.278		85.3		7.97		TAS				m_e	
GRA1	44.78		P	17:53:35.982		85.4		7.93		TAS		15.6	0.64	m_e mb	5.1
GRA1	44.78		pP	17:53:59.670		85.3		7.97		TAS				m_e	
GTTG	45.42		P	17:53:40.507	-0.1	85.4		7.93		TAS		28.6	0.86	m_e mb	5.2
GTTG	45.42		pP	17:54:03.929	-0.2	85.3		7.97		TAS				m_e	
GUNZ	44.01		P	17:53:29.331	0.1	85.4		7.93		TAS		12.9	0.97	m_e mb	4.6
GUNZ	44.01		pP	17:53:52.681		85.3		7.97		TAS				m_e	
IBBN	46.71		P	17:53:50.541	-0.3	85.4		7.93		TAS		30.0	0.85	m_e mb	5.4
MANZ	44.18		P	17:53:31.053		85.4		7.93		TAS		2.4	0.90	m_e mb	3.9
MANZ	44.18		pP	17:53:54.457		85.3		7.97		TAS				m_e	
MOX	44.45		P	17:53:32.757	0.4	85.4		7.93		TAS		9.9	0.89	m_e mb	4.5
NEUB	44.31		pP	17:53:54.875	-0.1	85.3		7.97		TAS				m_e	
NRDL	45.26		P	17:53:39.331	-0.1	85.4		7.93		TAS		18.2	0.82	m_e mb	5.0
NRDL	45.26		pP	17:54:02.656	-0.8	85.3		7.97		TAS				m_e	
PLN	44.11		P	17:53:29.906	0.6	85.4		7.93		TAS		39.7	1.64	m_e mb	4.9

PLN	44.11	pP	17:53:53.560	85.3	7.97	TAS			m_e	
RJOB	43.94	P	17:53:28.312	85.4	7.93	TAS	9.3	0.87	m_e mb	4.5
ROTZ	44.13	pP	17:53:54.220	85.3	7.97	TAS			m_e	
RUE	43.02	P	17:53:20.635	0.1 85.4	7.93	TAS	41.3	0.78	m_e mb	5.2
TANN	43.92	P	17:53:28.502	0.3 85.4	7.93	TAS	10.8	1.04	m_e mb	4.5
TANN	43.92	pP	17:53:52.151	85.3	7.97	TAS			m_e	
TNS	46.50	P	17:53:49.119	85.4	7.93	TAS	8.6	0.89	m_e mb	4.9
TNS	46.50	pP	17:54:12.621	85.3	7.97	TAS			m_e	
UBR	45.75	P	17:53:42.484	85.4	7.93	TAS	15.4	0.76	m_e mb	5.1
WERD	44.02	P	17:53:29.261	-0.1 85.4	7.93	TAS	12.4	0.94	m_e mb	4.6
WERD	44.02	pP	17:53:52.690	85.3	7.97	TAS			m_e	
WERN	43.99	P	17:53:29.224	-0.1 85.4	7.93	TAS	6.9	0.92	m_e mb	4.4
WERN	43.99	pP	17:53:52.718	85.3	7.97	TAS			m_e	
WLF	48.05	P	17:54:01.253	85.4	7.93	TAS	28.0	0.96	m_e mb	5.4
WLF	48.05	pP	17:54:25.102	85.3	7.97	TAS			m_e	

Event 71028004 North of Franz Josef Land

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/28	19:11:22.21			85.2800	39.5200				29.9	2.2		36		32.17	38.43	m i ke	BGR
OrigID 71028010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	71028010
MBB	6.2		BGR	71028010
Ms	5.3		BGR	71028010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	35.71		P	19:18:18.594	-0.2	4.7		8.58		TAS		87.0	1.18	m_e	MBB 6.1
ASSE	33.96		P	19:18:03.644	0.2	4.7		8.58		TAS		111.1	1.41	a_e	MBB 6.3
ASSE	33.96		pP	19:18:11.387	0.0	5.6		8.70		TAS				m_e	
BFO	37.86		P	19:18:36.844	-0.1	4.7		8.58		TAS		108.6	1.21	a_e	MBB 6.1
BFO	37.86		pP	19:18:45.167		5.6		8.70		TAS				m_e	
BRG	35.08		P	19:18:13.544	-0.0	4.7		8.58		TAS		86.5	1.09	a_e	MBB 6.2
BSEG	32.17		P	19:17:48.144	0.1	4.7		8.58		TAS		96.6	1.04	a_e	MBB 6.3
BUG	34.81		P	19:18:10.744	0.5	4.7		8.58		TAS		266.1	1.68	a_e	MBB 6.4
BUG	34.81		pP	19:18:18.432	-0.2	5.6		8.70		TAS				m_e	
CLL	34.68		P	19:18:09.194	-0.5	4.7		8.58		TAS		80.4	1.01	a_e	MBB 6.2
CLZ	34.26		P	19:18:06.594	0.1	4.7		8.58		TAS		116.9	1.14	a_e	MBB 6.4
FBE	35.06		P	19:18:12.644	-0.3	4.7		8.58		TAS		128.3	0.94	a_e	MBB 6.1
FLT1	33.74		P	19:18:01.194	0.2	4.7		8.58		TAS		69.1	1.02	a_e	MBB 6.3
FLT1	33.74		pP	19:18:08.940	0.1	5.6		8.70		TAS				m_e	
FUR	37.90		P	19:18:37.194	-0.2	4.7		8.58		TAS		91.1	1.01	a_e	MBB 6.1
GEC2	37.12		P	19:18:30.844	-0.3	4.7		8.58		TAS		70.5	1.12	a_e	MBB 6.1
GOR1	33.07		P	19:17:56.644	-0.0	4.7		8.58		TAS		907.0	2.67	a_e	MBB 6.5
GRA1	36.37		P	19:18:24.544	0.5	4.7		8.58		TAS		124.5	1.03	a_e	MBB 6.2

GRA1	36.37	pP	19:18:32.248	5.6	8.70	TAS											m_e
GRA1	36.37	L	19:34:07.406			T__	4258.6	19.20	a_e	Ms	5.2						
GTTG	34.58	P	19:18:09.244	-0.5	4.7	8.58	TAS	106.7	1.03	a_e	MBB	6.3					
GTTG	34.58	pP	19:18:16.876	-0.0	5.6	8.70	TAS										m_e
GUNZ	35.66	P	19:18:18.144	0.0	4.7	8.58	TAS	74.5	0.95	a_e	MBB	6.1					
GUNZ	35.66	pP	19:18:25.821		5.6	8.70	TAS										m_e
IBBN	33.92	P	19:18:03.194	-0.2	4.7	8.58	TAS	295.5	1.96	a_e	MBB	6.4					
KAST	34.99	P	19:18:12.944	-0.2	4.7	8.58	TAS	110.5	1.25	a_e	MBB	6.5					
MANZ	36.04	P	19:18:21.494	0.5	4.7	8.58	TAS	21.5	1.38	a_e	MBB	5.5					
MOX	35.40	P	19:18:16.094	-0.0	4.7	8.58	TAS	113.8	1.00	a_e	MBB	6.4					
MOX	35.40	L	19:40:44.006				T__	5042.3	19.20	a_e	Ms	5.3					
NEUB	34.85	P	19:18:10.894	0.7	4.7	8.58	TAS	115.1	1.22	a_e	MBB	6.3					
NRDL	33.62	P	19:18:00.894	0.0	4.7	8.58	TAS	706.5	2.26	a_e	MBB	6.4					
NRDL	33.62	pP	19:18:08.632	-0.2	5.6	8.70	TAS										m_e
PLN	35.54	P	19:18:17.194	0.1	4.7	8.58	TAS	71.1	1.03	a_e	MBB	6.2					
PLN	35.54	pP	19:18:24.834		5.6	8.70	TAS										m_e
RETH	33.41	P	19:17:59.194	0.0	4.7	8.58	TAS	131.1	1.40	a_e	MBB	6.3					
RJOB	38.26	P	19:18:40.244		4.7	8.58	TAS	71.4	0.87	a_e	MBB	6.1					
ROTZ	36.26	P	19:18:23.494	0.1	4.7	8.58	TAS	25.4	1.05	a_e	MBB	5.5					
RUE	33.48	P	19:17:59.344	-0.7	4.7	8.58	TAS	127.7	0.98	a_e	MBB	6.3					
RUE	33.48	pP	19:18:06.963	-0.2	5.6	8.70	TAS										m_e
STU	37.38	P	19:18:32.694	-0.3	4.7	8.58	TAS	267.1	1.06	a_e	MBB	6.4					
TANN	35.60	P	19:18:17.794	0.1	4.7	8.58	TAS	84.1	1.11	m_e	MBB	6.1					
TANN	35.60	pP	19:18:25.408		5.6	8.70	TAS										m_e
TNS	35.97	P	19:18:20.894	0.2	4.7	8.58	TAS	92.5	1.07	a_e	MBB	6.1					
UBBA	35.30	P	19:18:14.994	0.2	4.7	8.58	TAS	144.8	1.78	a_e	MBB	6.1					
UBBA	35.30	pP	19:18:22.862		5.6	8.70	TAS										m_e
UBR	38.43	P	19:18:41.944		4.7	8.58	TAS	274.3	1.76	a_e	MBB	6.2					
WERD	35.57	P	19:18:17.294	-0.0	4.7	8.58	TAS	5464670.0	53.36	a_e	MBB	6.0					
WERN	35.73	P	19:18:18.944	-0.0	4.7	8.58	TAS	124.9	0.93	a_e	MBB	6.1					
WET	36.85	P	19:18:28.744	-0.4	4.7	8.58	TAS	70.4	1.20	a_e	MBB	6.0					
WLF	36.64	P	19:18:26.544	0.5	4.7	8.58	TAS	99.9	1.34	a_e	MBB	5.9					
WLF	36.64	pP	19:18:34.908		5.6	8.70	TAS										m_e

Event 71031002 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	00:42:11.83			-21.1400	171.8900				33.0			27		145.45	149.83	m i ke	BGR
	71031008																

Magnitude	Err	Nsta	Author	OrigID
Ms	6.7		BGR	71031008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.31		PKPbc	01:01:54.068	0.4	33.5		2.80		TAS				m_e	
ASSE	145.81		PKPbc	01:01:46.801	-0.1	33.5		2.80		TAS				m_e	



BFO	149.83	PKPbc	01:01:57.412		33.5	2.80	TAS									m_e
BRG	145.65	PKPbc	01:01:46.384	0.3	33.5	2.80	TAS									m_e
CLL	145.66	PKPbc	01:01:45.697	-0.2	33.5	2.80	TAS									m_e
CLZ	146.15	PKPbc	01:01:48.098	0.0	33.5	2.80	TAS									m_e
FLT1	145.45	PKPbc	01:01:45.025	-0.1	33.5	2.80	TAS									m_e
FUR	148.86	PKPbc	01:01:55.069		33.5	2.80	TAS									m_e
GEC2	147.32	PKPbc	01:01:51.920		33.5	2.80	TAS									m_e
GRA1	147.64	PKPbc	01:01:52.400		33.5	2.80	TAS									m_e
GRA1	147.64	L	02:08:04.621				T__			11422.7	21.90	a_e	Ms		6.6	
GTTG	146.53	PKPbc	01:01:49.197	0.2	33.5	2.80	TAS									m_e
GUNZ	146.68	PKPbc	01:01:49.145	-0.1	33.5	2.80	TAS									m_e
IBBN	146.55	PKPbc	01:01:49.232	-0.7	33.5	2.80	TAS									m_e
MANZ	147.07	PKPbc	01:01:50.669	-0.8	33.5	2.80	TAS									m_e
MOX	146.72	PKPbc	01:01:49.352	0.3	33.5	2.80	TAS									m_e
MOX	146.72	L	02:10:05.596				T__			12288.0	18.50	a_e	Ms		6.7	
NEUB	146.21	PKPbc	01:01:47.780	-0.1	33.5	2.80	TAS									m_e
NRDL	145.68	PKPbc	01:01:46.331	0.3	33.5	2.80	TAS									m_e
PLN	146.64	PKPbc	01:01:49.124	0.8	33.5	2.80	TAS									m_e
RETH	145.70	PKPbc	01:01:46.372	0.0	33.5	2.80	TAS									m_e
ROTZ	147.20	PKPbc	01:01:51.174		33.5	2.80	TAS									m_e
STU	149.15	PKPbc	01:01:56.091		33.5	2.80	TAS									m_e
TNS	148.16	PKPbc	01:01:53.830	-0.4	33.5	2.80	TAS									m_e
UBR	149.71	PKPbc	01:01:57.060		33.5	2.80	TAS									m_e
WERD	146.62	PKPbc	01:01:48.884	0.6	33.5	2.80	TAS									m_e
WERN	146.72	PKPbc	01:01:49.355	-0.6	33.5	2.80	TAS									m_e
WET	147.43	PKPbc	01:01:52.349		33.5	2.80	TAS									m_e
WLF	149.36	PKPbc	01:01:57.151		33.5	2.80	TAS									m_e

Event 71031003 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	02:20:47.03			-21.7800	170.5400				33.0			30		145.01	149.92	m i ke	BGR
71031009																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	71031009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.49		PKPbc	02:40:30.141	0.3	36.3		2.90		TAS					m_e
ASSE	145.94		PKPbc	02:40:22.681	0.0	36.3		2.90		TAS					m_e
BFO	149.92		PKPbc	02:40:33.543		36.3		2.90		TAS					m_e
BRG	145.68		PKPbc	02:40:22.151	0.3	36.3		2.90		TAS					m_e
CLL	145.72		PKPbc	02:40:21.443	-0.0	36.3		2.90		TAS					m_e
CLZ	146.28		PKPbc	02:40:24.096	-0.1	36.3		2.90		TAS					m_e
FBE	145.88		PKPbc	02:40:22.416	0.1	36.3		2.90		TAS					m_e
FLT1	145.57		PKPbc	02:40:20.824	-0.6	36.3		2.90		TAS					m_e

FUR	148.87	PKPbc	02:40:30.995		36.3	2.90	TAS										m_e
GEC2	147.29	PKPbc	02:40:26.661		36.3	2.90	TAS										m_e
GOR1	145.01	PKPbc	02:40:19.339	0.1	36.3	2.90	TAS										m_e
GRA1	147.70	PKPbc	02:40:28.076	-0.7	36.3	2.90	TAS										m_e
GRA1	147.70	L	03:46:18.295				T__				844.8	21.80	a_e Ms				5.5
GTTG	146.67	PKPbc	02:40:25.157	0.2	36.3	2.90	TAS										m_e
GUNZ	146.73	PKPbc	02:40:25.246	0.4	36.3	2.90	TAS										m_e
IBBN	146.75	PKPbc	02:40:25.277	0.4	36.3	2.90	TAS										m_e
MANZ	147.11	PKPbc	02:40:26.307	0.0	36.3	2.90	TAS										m_e
MOX	146.79	PKPbc	02:40:25.052	0.2	36.3	2.90	TAS										m_e
MOX	146.79	L	03:48:39.131				T__				1138.9	19.60	a_e Ms				5.7
NEUB	146.29	PKPbc	02:40:23.654	0.2	36.3	2.90	TAS										m_e
NRDL	145.83	PKPbc	02:40:22.151	0.1	36.3	2.90	TAS										m_e
PLN	146.70	PKPbc	02:40:24.981	0.3	36.3	2.90	TAS										m_e
RETH	145.87	PKPbc	02:40:22.239	-0.7	36.3	2.90	TAS										m_e
ROTZ	147.24	PKPbc	02:40:26.749	-0.6	36.3	2.90	TAS										m_e
STU	149.23	PKPbc	02:40:32.157		36.3	2.90	TAS										m_e
TNS	148.30	PKPbc	02:40:29.640	-0.2	36.3	2.90	TAS										m_e
UBBA	147.25	PKPbc	02:40:26.035	0.6	36.3	2.90	TAS										m_e
UBR	149.74	PKPbc	02:40:33.017		36.3	2.90	TAS										m_e
WERD	146.67	PKPbc	02:40:24.892	0.5	36.3	2.90	TAS										m_e
WERN	146.77	PKPbc	02:40:25.600	0.1	36.3	2.90	TAS										m_e
WET	147.43	PKPbc	02:40:27.191		36.3	2.90	TAS										m_e
WLF	149.55	PKPbc	02:40:33.649	-0.2	36.3	2.90	TAS										m_e

Event 71031005 Samoa Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	04:58:54.75			-16.5300	-172.6300				33.0			22		144.05	148.85	m i ke	BGR
71031011																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	71031011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.07		PKPbc	05:18:30.817	-0.3	5.4		3.30		TAS					a_e
BFO	148.28		PKPdf	05:18:35.042		5.4		3.30		TAS					m_e
BFO	148.28		PKPbc	05:18:37.787		5.4		3.30		TAS					m_e
BRG	145.34		PKPbc	05:18:28.467	-0.1	5.4		3.30		TAS					a_e
BUG	145.17		PKPbc	05:18:27.167	0.1	5.4		3.30		TAS					a_e
CLZ	144.69		PP	05:21:44.246						T__					m_e
FLT1	144.15		PKPdf	05:18:26.478		5.4		3.30		TAS					m_e
FUR	148.29		PKPdf	05:18:35.177		5.4		3.30		TAS					m_e
FUR	148.29		PKPbc	05:18:37.617		5.4		3.30		TAS					a_e
GEC2	147.36		PKPdf	05:18:33.608		5.4		3.30		TAS					m_e
GEC2	147.36		PKPbc	05:18:34.917		5.4		3.30		TAS					a_e

GRA1	146.78	PKPbc	05:18:33.367		5.4	3.30	TAS											m_e	
GRA1	146.78	L	06:29:15.203				T__			612.2	18.70	a_e	Ms					5.4	
GTTG	145.00	PKPbc	05:18:27.017	0.2	5.4	3.30	TAS											a_e	
GUNZ	146.01	PKPbc	05:18:30.267		5.4	3.30	TAS											a_e	
GUNZ	146.01	PP	05:21:53.213				T__											m_e	
KAST	145.40	PKPbc	05:18:28.007	0.4	5.4	3.30	TAS											m_e	
MANZ	146.41	PKPbc	05:18:31.867		5.4	3.30	TAS											a_e	
MOX	145.80	PKPbc	05:18:29.567	-0.1	5.4	3.30	TAS											a_e	
MOX	145.80	L	06:16:09.299				T__			560.5	21.80	a_e	Ms					5.3	
NRDL	144.05	PKPdf	05:18:26.802		5.4	3.30	TAS											m_e	
PLN	145.91	PKPbc	05:18:30.017	-0.5	5.4	3.30	TAS											a_e	
ROTZ	146.62	PKPbc	05:18:32.667		5.4	3.30	TAS											a_e	
STU	147.81	PKPbc	05:18:36.440		5.4	3.30	TAS											m_e	
TNS	146.38	PKPbc	05:18:31.817		5.4	3.30	TAS											a_e	
UBBA	145.73	PKPbc	05:18:29.317	0.2	5.4	3.30	TAS											a_e	
UBR	148.85	PKPdf	05:18:36.008		5.4	3.30	TAS											m_e	
UBR	148.85	PKPbc	05:18:39.217		5.4	3.30	TAS											a_e	
WERD	145.93	PKPbc	05:18:29.967		5.4	3.30	TAS											a_e	
WERD	145.93	PP	05:21:52.766				T__											m_e	
WERN	146.09	PKPbc	05:18:30.667		5.4	3.30	TAS											a_e	
WERN	146.09	PP	05:21:53.920				T__											m_e	
WET	147.16	PKPdf	05:18:33.296		5.4	3.30	TAS											m_e	
WET	147.16	PKPbc	05:18:34.567		5.4	3.30	TAS											a_e	
WLF	146.94	PKPbc	05:18:34.067		5.4	3.30	TAS											a_e	

Event 71031006 Off east coast of North Island, New Zealand

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	07:36:08.30			-37.5200	177.3200				10.0					164.24	164.24	m i ke	EMSC
71031038																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	164.24		PKPab	07:57:03.813		44.7		3.98		TAS					m_e

Event 71031008 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/10/31	19:22:10.75			-21.9600	170.1200				33.0					31	145.03	149.93	m i ke	BGR
71031014																		

Magnitude Err Nsta Author OrigID

Ms 4.7 BGR 71031014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.52		PKPbc	19:41:53.655	0.5	37.2		2.84		TAS				m_e	
ASSE	145.96		PKPbc	19:41:46.334	-0.5	37.2		2.84		TAS				m_e	
BFO	149.93		PKPbc	19:41:57.052		37.2		2.84		TAS				m_e	
BRG	145.66		PKPbc	19:41:45.885	0.2	37.2		2.84		TAS				m_e	
BUG	147.69		PKPbc	19:41:51.345	0.1	37.2		2.84		TAS				m_e	
CLL	145.72		PKPbc	19:41:45.212	0.3	37.2		2.84		TAS				m_e	
CLZ	146.30		PKPbc	19:41:47.793	0.2	37.2		2.84		TAS				m_e	
FBE	145.87		PKPbc	19:41:46.222	0.1	37.2		2.84		TAS				m_e	
FLT1	145.59		PKPbc	19:41:44.651	-0.1	37.2		2.84		TAS				m_e	
FUR	148.85		PKPbc	19:41:54.547		37.2		2.84		TAS				m_e	
GEC2	147.26		PKPbc	19:41:50.318	-0.6	37.2		2.84		TAS				m_e	
GOR1	145.03		PKPbc	19:41:43.136	-0.1	37.2		2.84		TAS				m_e	
GRA1	147.69		PKPbc	19:41:51.664	-0.2	37.2		2.84		TAS				m_e	
GRA1	147.69		L	20:39:09.129						T__		111.9	20.60	a_e Ms	4.6
GTTG	146.69		PKPbc	19:41:48.859	0.1	37.2		2.84		TAS				m_e	
GUNZ	146.72		PKPbc	19:41:48.803	0.2	37.2		2.84		TAS				m_e	
IBBN	146.79		PKPbc	19:41:48.834	0.4	37.2		2.84		TAS				m_e	
KAST	147.51		PKPbc	19:41:51.081	0.0	37.2		2.84		TAS				m_e	
MANZ	147.10		PKPbc	19:41:50.084	0.2	37.2		2.84		TAS				m_e	
MOX	146.79		PKPbc	19:41:48.729	0.2	37.2		2.84		TAS				m_e	
MOX	146.79		L	20:50:34.913						T__		144.3	19.50	a_e Ms	4.8
NEUB	146.29		PKPbc	19:41:47.400	-0.1	37.2		2.84		TAS				m_e	
NRDL	145.85		PKPbc	19:41:45.829	-0.1	37.2		2.84		TAS				m_e	
PLN	146.69		PKPbc	19:41:48.635	0.4	37.2		2.84		TAS				m_e	
RETH	145.90		PKPbc	19:41:46.110	-0.7	37.2		2.84		TAS				m_e	
RJOB	148.49		PKPbc	19:41:53.236		37.2		2.84		TAS				m_e	
ROTZ	147.23		PKPbc	19:41:50.206	-0.0	37.2		2.84		TAS				m_e	
TNS	148.32		PKPbc	19:41:53.517	0.3	37.2		2.84		TAS				m_e	
UBR	149.72		PKPbc	19:41:56.600		37.2		2.84		TAS				m_e	
WERD	146.66		PKPbc	19:41:48.635	0.4	37.2		2.84		TAS				m_e	
WERN	146.76		PKPbc	19:41:49.196	0.5	37.2		2.84		TAS				m_e	
WET	147.41		PKPbc	19:41:50.907	-0.7	37.2		2.84		TAS				m_e	
WLF	149.58		PKPbc	19:41:57.309	-0.6	37.2		2.84		TAS				m_e	

Event 71031009 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	19:41:19.06			-21.8500	169.8200				27.5	0.7		27		145.38	149.71	m i ke	BGR

Magnitude Err Nsta Author OrigID  
Ms 4.7 BGR 71031015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.75		PKPbc	20:00:54.955	0.1	37.7		2.82		TAS				m_e	
ASSE	145.75		pPKPbc	20:01:03.378	0.2	37.7		2.83		TAS				m_e	
BFO	149.71		PKPbc	20:01:05.832		37.7		2.82		TAS				m_e	
BRG	145.44		PKPbc	20:00:54.601	0.2	37.7		2.82		TAS				m_e	
BRG	145.44		pPKPbc	20:01:02.807	0.1	37.7		2.83		TAS				m_e	
CLL	145.50		PKPbc	20:00:53.851	0.2	37.7		2.82		TAS				a_e	
CLL	145.50		pPKPbc	20:01:01.996	0.3	37.7		2.83		TAS				m_e	
CLZ	146.09		PKPbc	20:00:56.501	-0.1	37.7		2.82		TAS				a_e	
CLZ	146.09		pPKPbc	20:01:04.750	0.2	37.7		2.83		TAS				m_e	
FBE	145.65		PKPbc	20:00:54.851	0.4	37.7		2.82		TAS				a_e	
FBE	145.65		pPKPbc	20:01:03.173	0.0	37.7		2.83		TAS				m_e	
FLT1	145.38		PKPbc	20:00:53.451	0.1	37.7		2.82		TAS				a_e	
GEC2	147.03		PKPbc	20:00:59.001		37.7		2.82		TAS				a_e	
GEC2	147.03		pPKPbc	20:01:07.287		37.7		2.83		TAS				m_e	
GRA1	147.47		PKPbc	20:01:00.302		37.7		2.82		TAS				m_e	
GRA1	147.47		pPKPbc	20:01:08.709		37.7		2.83		TAS				m_e	
GRA1	147.47		L	21:03:14.651						T__		144.9	21.70	a_e Ms	4.7
GTTG	146.48		PKPbc	20:00:57.551	0.2	37.7		2.82		TAS				a_e	
GUNZ	146.50		PKPbc	20:00:57.733	0.2	37.7		2.82		TAS				m_e	
IBBN	146.59		PKPbc	20:00:57.573	-0.6	37.7		2.82		TAS				m_e	
KAST	147.31		PKPbc	20:00:59.781	0.2	37.7		2.82		TAS				m_e	
KAST	147.31		pPKPbc	20:01:08.030		37.7		2.83		TAS				m_e	
MANZ	146.88		PKPbc	20:00:58.600	-0.6	37.7		2.82		TAS				m_e	
MANZ	146.88		pPKPbc	20:01:06.900		37.7		2.83		TAS				m_e	
MOX	146.57		PKPbc	20:00:57.324	0.2	37.7		2.82		TAS				m_e	
MOX	146.57		L	21:06:25.354						T__		142.2	21.50	a_e Ms	4.7
NEUB	146.08		PKPbc	20:00:56.201	0.4	37.7		2.82		TAS				a_e	
NEUB	146.08		pPKPbc	20:01:04.502	-0.1	37.7		2.83		TAS				m_e	
NRDL	145.65		PKPbc	20:00:54.801	0.3	37.7		2.82		TAS				a_e	
NRDL	145.65		pPKPbc	20:01:03.117	0.1	37.7		2.83		TAS				m_e	
PLN	146.47		PKPbc	20:00:57.407	0.5	37.7		2.82		TAS				m_e	
PLN	146.47		pPKPbc	20:01:05.579	0.4	37.7		2.83		TAS				m_e	
RETH	145.70		PKPbc	20:00:54.772	-0.2	37.7		2.82		TAS				m_e	
RETH	145.70		pPKPbc	20:01:03.244	0.2	37.7		2.83		TAS				m_e	
RJOB	148.25		PKPbc	20:01:02.001		37.7		2.82		TAS				a_e	
ROTZ	147.00		PKPbc	20:00:59.101	-0.5	37.7		2.82		TAS				a_e	
ROTZ	147.00		pPKPbc	20:01:07.275		37.7		2.83		TAS				m_e	
TNS	148.11		PKPbc	20:01:02.088	-0.5	37.7		2.82		TAS				m_e	
TNS	148.11		pPKPbc	20:01:10.281		37.7		2.83		TAS				m_e	
UBR	149.50		PKPbc	20:01:05.351		37.7		2.82		TAS				a_e	
UBR	149.50		pPKPbc	20:01:13.610		37.7		2.83		TAS				m_e	
WERD	146.44		PKPbc	20:00:57.401	0.3	37.7		2.82		TAS				a_e	
WERD	146.44		pPKPbc	20:01:05.481	0.1	37.7		2.83		TAS				m_e	
WERN	146.53		PKPbc	20:00:57.847	-0.1	37.7		2.82		TAS				m_e	
WET	147.18		PKPbc	20:00:59.551		37.7		2.82		TAS				a_e	
WET	147.18		pPKPbc	20:01:07.848		37.7		2.83		TAS				m_e	
WLF	149.38		PKPbc	20:01:06.001		37.7		2.82		TAS				a_e	

Event 71031010 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	22:50:16.58			-22.2200	170.6500				33.0			33		145.00	150.36	m i ke	BGR
OrigID 71031016																	

Magnitude	Err	Nsta	Author	OrigID
Ms 4.7			BGR	71031016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.94		PKPbc	23:10:01.146	0.3	36.5		2.89		TAS				m_e	
ASSE	146.38		PKPbc	23:09:53.430	-0.0	36.5		2.89		TAS				a_e	
BFO	150.36		PKPbc	23:10:04.294	-0.7	36.5		2.89		TAS				m_e	
BRG	146.11		PKPbc	23:09:53.123	0.2	36.5		2.89		TAS				m_e	
BSEG	145.00		PKPbc	23:09:48.604	-0.0	36.5		2.89		TAS				m_e	
BUG	148.10		PKPbc	23:09:58.552	0.3	36.5		2.89		TAS				m_e	
CLL	146.16		PKPbc	23:09:52.280	0.1	36.5		2.89		TAS				a_e	
CLZ	146.72		PKPbc	23:09:54.950	-0.5	36.5		2.89		TAS				m_e	
FBE	146.32		PKPbc	23:09:53.365	0.2	36.5		2.89		TAS				m_e	
FLT1	146.02		PKPbc	23:09:51.680	0.5	36.5		2.89		TAS				a_e	
FUR	149.31		PKPbc	23:10:01.826		36.5		2.89		TAS				m_e	
GEC2	147.73		PKPbc	23:09:57.480	-0.2	36.5		2.89		TAS				a_e	
GOR1	145.45		PKPbc	23:09:50.330	-0.1	36.5		2.89		TAS				a_e	
GRA1	148.14		PKPbc	23:09:58.880	-0.1	36.5		2.89		TAS				a_e	
GRA1	148.14		L	00:16:25.730						T__		110.7	20.80	a_e Ms	4.6
GTTG	147.11		PKPbc	23:09:56.030	0.2	36.5		2.89		TAS				a_e	
GUNZ	147.16		PKPbc	23:09:56.030	0.5	36.5		2.89		TAS				a_e	
IBBN	147.20		PKPbc	23:09:55.972	0.5	36.5		2.89		TAS				m_e	
KAST	147.93		PKPbc	23:09:58.180	0.4	36.5		2.89		TAS				a_e	
MANZ	147.55		PKPbc	23:09:57.291	0.4	36.5		2.89		TAS				m_e	
MOX	147.23		PKPbc	23:09:56.053	0.2	36.5		2.89		TAS				m_e	
MOX	147.23		L	00:08:06.553						T__		143.9	21.80	a_e Ms	4.7
NEUB	146.73		PKPbc	23:09:54.698	0.2	36.5		2.89		TAS				m_e	
NRDL	146.28		PKPbc	23:09:53.080	-0.7	36.5		2.89		TAS				a_e	
PLN	147.14		PKPbc	23:09:55.799	0.4	36.5		2.89		TAS				m_e	
RETH	146.32		PKPbc	23:09:53.330	-0.0	36.5		2.89		TAS				a_e	
RJOB	148.95		PKPbc	23:10:00.490		36.5		2.89		TAS				m_e	
ROTZ	147.68		PKPbc	23:09:57.611	0.1	36.5		2.89		TAS				m_e	
STU	149.67		PKPbc	23:10:02.872	-0.7	36.5		2.89		TAS				m_e	
TNS	148.75		PKPbc	23:10:00.630	0.2	36.5		2.89		TAS				a_e	
UBR	150.18		PKPbc	23:10:03.759		36.5		2.89		TAS				m_e	
WERD	147.11		PKPbc	23:09:55.730	0.4	36.5		2.89		TAS				a_e	
WERN	147.21		PKPbc	23:09:56.230	0.4	36.5		2.89		TAS				m_e	
WET	147.87		PKPbc	23:09:57.989	-0.6	36.5		2.89		TAS				m_e	
WLF	150.00		PKPbc	23:10:04.230	-0.1	36.5		2.89		TAS				a_e	

Event 71031011 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	23:06:04.92			-21.7000	169.7900				25.3	1.1		29		145.23	149.56	m i ke	BGR
OrigID 71031017																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	148.17		PKPbc	23:25:48.025	0.3	37.6		2.85		TAS					m_e
AHRW	148.17		pPKPbc	23:25:55.755	0.2	36.8		2.82		TAS					m_e
ASSE	145.60		PKPbc	23:25:40.612	0.0	37.6		2.85		TAS					a_e
ASSE	145.60		pPKPbc	23:25:48.270	0.1	36.8		2.82		TAS					m_e
BFO	149.56		PKPbc	23:25:51.781		37.6		2.85		TAS					m_e
BRG	145.29		PKPbc	23:25:40.012	0.4	37.6		2.85		TAS					a_e
BRG	145.29		pPKPbc	23:25:47.725	0.6	36.8		2.82		TAS					m_e
CLL	145.35		PKPbc	23:25:39.362	-0.1	37.6		2.85		TAS					a_e
CLL	145.35		pPKPbc	23:25:47.123	0.1	36.8		2.82		TAS					m_e
CLZ	145.94		PKPbc	23:25:41.962	-0.2	37.6		2.85		TAS					a_e
CLZ	145.94		pPKPbc	23:25:49.533	-0.1	36.8		2.82		TAS					m_e
FBE	145.50		PKPbc	23:25:40.262	0.3	37.6		2.85		TAS					a_e
FBE	145.50		pPKPbc	23:25:47.977	0.5	36.8		2.82		TAS					m_e
FLT1	145.23		PKPbc	23:25:38.912	-0.1	37.6		2.85		TAS					a_e
FLT1	145.23		pPKPbc	23:25:46.540	0.2	36.8		2.82		TAS					m_e
FUR	148.48		PKPbc	23:25:48.991		37.6		2.85		TAS					m_e
GEC2	146.89		PKPbc	23:25:44.562		37.6		2.85		TAS					a_e
GEC2	146.89		pPKPbc	23:25:52.261		36.8		2.82		TAS					m_e
GRA1	147.32		PKPbc	23:25:45.706	-0.6	37.6		2.85		TAS					m_e
GTTG	146.33		PKPbc	23:25:43.112	0.1	37.6		2.85		TAS					a_e
GTTG	146.33		pPKPbc	23:25:50.551	0.1	36.8		2.82		TAS					m_e
GUNZ	146.35		PKPbc	23:25:43.212	0.1	37.6		2.85		TAS					m_e
GUNZ	146.35		pPKPbc	23:25:51.014	-0.1	36.8		2.82		TAS					m_e
IBBN	146.44		PKPbc	23:25:43.362	-0.6	37.6		2.85		TAS					a_e
IBBN	146.44		pPKPbc	23:25:50.678	-0.5	36.8		2.82		TAS					m_e
KAST	147.16		PKPbc	23:25:45.128	0.4	37.6		2.85		TAS					m_e
KAST	147.16		pPKPbc	23:25:52.928	0.2	36.8		2.82		TAS					m_e
MANZ	146.73		PKPbc	23:25:44.258	-0.2	37.6		2.85		TAS					m_e
MANZ	146.73		pPKPbc	23:25:51.818		36.8		2.82		TAS					m_e
MOX	146.42		PKPbc	23:25:42.925	0.2	37.6		2.85		TAS					m_e
MOX	146.42		pPKPbc	23:25:50.601	0.3	36.8		2.82		TAS					m_e
NEUB	145.93		PKPbc	23:25:41.662	0.2	37.6		2.85		TAS					a_e
NEUB	145.93		pPKPbc	23:25:49.387	0.3	36.8		2.82		TAS					m_e
NRDL	145.50		PKPbc	23:25:40.262	0.3	37.6		2.85		TAS					a_e
NRDL	145.50		pPKPbc	23:25:47.847	0.3	36.8		2.82		TAS					m_e
PLN	146.32		PKPbc	23:25:43.162	0.3	37.6		2.85		TAS					a_e
PLN	146.32		pPKPbc	23:25:50.643	0.1	36.8		2.82		TAS					m_e

RETH	145.55	PKPbc	23:25:40.512	-0.1	37.6	2.85	TAS	a_e
RETH	145.55	pPKPbc	23:25:47.788	-0.0	36.8	2.82	TAS	m_e
RJOB	148.11	PKPbc	23:25:47.811		37.6	2.85	TAS	m_e
RJOB	148.11	pPKPbc	23:25:55.184		36.8	2.82	TAS	m_e
ROTZ	146.86	PKPbc	23:25:44.637	-0.0	37.6	2.85	TAS	m_e
ROTZ	146.86	pPKPbc	23:25:52.102		36.8	2.82	TAS	m_e
TNS	147.96	PKPbc	23:25:47.652	-0.1	37.6	2.85	TAS	m_e
TNS	147.96	pPKPbc	23:25:55.267	-0.5	36.8	2.82	TAS	m_e
UBR	149.35	PKPbc	23:25:50.912		37.6	2.85	TAS	a_e
UBR	149.35	pPKPbc	23:25:58.555		36.8	2.82	TAS	m_e
WERD	146.29	PKPbc	23:25:42.912	0.3	37.6	2.85	TAS	a_e
WERD	146.29	pPKPbc	23:25:50.663	0.1	36.8	2.82	TAS	m_e
WERN	146.39	PKPbc	23:25:43.412	0.3	37.6	2.85	TAS	a_e
WERN	146.39	pPKPbc	23:25:51.231	-0.7	36.8	2.82	TAS	m_e
WET	147.04	PKPbc	23:25:45.273		37.6	2.85	TAS	m_e
WET	147.04	pPKPbc	23:25:52.731		36.8	2.82	TAS	m_e
WLF	149.23	PKPbc	23:25:51.490	-0.4	37.6	2.85	TAS	m_e

Event 71101001 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/10/31	23:59:49.11			-21.7400	170.1200				27.0	0.6		30		145.39	149.73	m i ke	BGR
71101007																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.75		PKPbc	00:19:25.017	0.1	37.3		2.81		TAS					a_e
BFO	149.73		PKPbc	00:19:35.827		37.3		2.81		TAS					m_e
BRG	145.47		PKPbc	00:19:24.671	-0.1	37.3		2.81		TAS					m_e
BRG	145.47		pPKPbc	00:19:32.586	0.0	37.7		3.12		TAS					m_e
BUG	147.48		PKPbc	00:19:30.017	-0.5	37.3		2.81		TAS					a_e
CLL	145.52		PKPbc	00:19:23.933	0.2	37.3		2.81		TAS					m_e
CLL	145.52		pPKPbc	00:19:32.058	0.2	37.7		3.12		TAS					m_e
CLZ	146.09		PKPbc	00:19:26.367	0.1	37.3		2.81		TAS					a_e
CLZ	146.09		pPKPbc	00:19:34.526	0.1	37.7		3.12		TAS					m_e
FBE	145.67		PKPbc	00:19:24.838	0.4	37.3		2.81		TAS					m_e
FBE	145.67		pPKPbc	00:19:32.964	0.1	37.7		3.12		TAS					m_e
FLT1	145.39		PKPbc	00:19:23.317	-0.1	37.3		2.81		TAS					a_e
GEC2	147.07		PKPbc	00:19:29.043	0.3	37.3		2.81		TAS					m_e
GEC2	147.07		pPKPbc	00:19:37.161		37.7		3.12		TAS					m_e
GRA1	147.49		PKPbc	00:19:30.383	-0.5	37.3		2.81		TAS					m_e
GTTG	146.48		PKPbc	00:19:27.587	0.3	37.3		2.81		TAS					m_e
GTTG	146.48		pPKPbc	00:19:35.680		37.7		3.12		TAS					m_e
GUNZ	146.52		PKPbc	00:19:27.617	0.3	37.3		2.81		TAS					a_e
IBBN	146.58		PKPbc	00:19:27.605	0.2	37.3		2.81		TAS					m_e



KAST	147.31	PKPbc	00:19:29.767	0.5	37.3	2.81	TAS	a_e
MANZ	146.90	PKPbc	00:19:28.729	0.2	37.3	2.81	TAS	m_e
MANZ	146.90	pPKPbc	00:19:36.809		37.7	3.12	TAS	m_e
MOX	146.59	PKPbc	00:19:27.502	0.1	37.3	2.81	TAS	m_e
NEUB	146.09	PKPbc	00:19:26.178	0.3	37.3	2.81	TAS	m_e
NEUB	146.09	pPKPbc	00:19:34.214	0.0	37.7	3.12	TAS	m_e
NRDL	145.65	PKPbc	00:19:24.617	0.1	37.3	2.81	TAS	a_e
NRDL	145.65	pPKPbc	00:19:32.652	0.2	37.7	3.12	TAS	m_e
PLN	146.50	PKPbc	00:19:27.315	0.3	37.3	2.81	TAS	m_e
PLN	146.50	pPKPbc	00:19:35.534		37.7	3.12	TAS	m_e
RETH	145.70	PKPbc	00:19:24.817	0.2	37.3	2.81	TAS	a_e
RETH	145.70	pPKPbc	00:19:32.989	0.0	37.7	3.12	TAS	m_e
RJOB	148.29	PKPbc	00:19:32.015		37.3	2.81	TAS	m_e
ROTZ	147.03	PKPbc	00:19:29.062	-0.2	37.3	2.81	TAS	m_e
ROTZ	147.03	pPKPbc	00:19:37.175		37.7	3.12	TAS	m_e
TANN	146.43	PKPbc	00:19:27.267	-0.1	37.3	2.81	TAS	m_e
TANN	146.43	pPKPbc	00:19:35.421	-0.3	37.7	3.12	TAS	m_e
TNS	148.12	PKPbc	00:19:32.132		37.3	2.81	TAS	m_e
UBBA	147.06	PKPbc	00:19:29.036	0.3	37.3	2.81	TAS	m_e
UBR	149.53	PKPbc	00:19:35.402		37.3	2.81	TAS	m_e
WERD	146.47	PKPbc	00:19:27.310	0.0	37.3	2.81	TAS	m_e
WERD	146.47	pPKPbc	00:19:35.405		37.7	3.12	TAS	m_e
WERN	146.56	PKPbc	00:19:27.785	-0.1	37.3	2.81	TAS	m_e
WET	147.22	PKPbc	00:19:29.517	-0.6	37.3	2.81	TAS	a_e
WLF	149.38	PKPbc	00:19:35.950		37.3	2.81	TAS	m_e