

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

(produced by SZO/BGR - HANNOVER)

AUGUST 2017

UPDATED 25.November 2019

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

## Event 70801001 La Rioja Province, Argentina

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/01	06:13:54.00			-28.5500	-68.7100				85.0					105.17	105.17	m i ke	NEIC
OrigID 70801096																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	105.17		Pdiff	06:27:53.477		237.5		5.14		TAS					m_e
GRA1	105.17		PP	06:32:10.263		241.4		6.52		TAS					m_e

## Event 70801003 New Ireland, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/01	08:54:49.90			-4.8200	153.2400				40.0				28	122.51	127.38	m i ke	EMSC
OrigID 70801035																	

Magnitude	Err	Nsta	Author	OrigID
Ms	4.2		BGR	70801009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	127.32		PKPdf	09:13:51.179		49.0		1.94		TAS					m_e
BRG	122.90		PKPdf	09:13:43.023	-0.4	49.0		1.94		TAS					m_e
BSEG	122.51		PKPdf	09:13:42.398	-0.3	49.0		1.94		TAS					m_e
BUG	125.59		PKPdf	09:13:48.232		49.0		1.94		TAS					m_e
CLL	123.08		PKPdf	09:13:43.047	0.1	49.0		1.94		TAS					m_e
CLZ	123.94		PKPdf	09:13:45.278	0.1	49.0		1.94		TAS					m_e

FBE	123.16	PKPdf	09:13:43.695	-0.2	49.0	1.94	TAS	m_e										
FLT1	123.22	PKPdf	09:13:43.257	0.0	49.0	1.94	TAS	m_e										
GEC2	124.30	PKPdf	09:13:45.759	0.1	49.0	1.94	TAS	m_e										
GRA1	125.00	PKPdf	09:13:47.095	-0.2	49.0	1.94	TAS	m_e										
GRA1	125.00	L	10:15:28.579				T__		48.1	21.40	a_e	Ms					4.1	
GTTG	124.33	PKPdf	09:13:45.917	-0.3	49.0	1.94	TAS	m_e										
GUNZ	124.02	PKPdf	09:13:45.270	-0.0	49.0	1.94	TAS	m_e										
IBBN	124.75	PKPdf	09:13:46.501	0.2	49.0	1.94	TAS	m_e										
KAST	125.26	PKPdf	09:13:47.579	-0.4	49.0	1.94	TAS	m_e										
MANZ	124.37	PKPdf	09:13:45.991	-0.1	49.0	1.94	TAS	m_e										
MOX	124.18	PKPdf	09:13:45.397	-0.2	49.0	1.94	TAS	m_e										
MOX	124.18	L	10:10:24.633				T__		58.4	21.80	a_e	Ms					4.2	
NRDL	123.61	PKPdf	09:13:44.568	0.1	49.0	1.94	TAS	m_e										
RETH	123.76	PKPdf	09:13:44.612	-0.1	49.0	1.94	TAS	m_e										
RJOB	125.47	PKPdf	09:13:47.627	0.5	49.0	1.94	TAS	m_e										
ROTZ	124.47	PKPdf	09:13:45.954	-0.1	49.0	1.94	TAS	m_e										
STU	126.60	PKPdf	09:13:50.331		49.0	1.94	TAS	m_e										
TANN	123.92	PKPdf	09:13:44.930	0.1	49.0	1.94	TAS	m_e										
TNS	125.94	PKPdf	09:13:48.982		49.0	1.94	TAS	m_e										
UBR	126.89	PKPdf	09:13:50.503		49.0	1.94	TAS	m_e										
WERD	123.97	PKPdf	09:13:44.914	0.2	49.0	1.94	TAS	m_e										
WERN	124.05	PKPdf	09:13:45.324	0.2	49.0	1.94	TAS	m_e										
WET	124.53	PKPdf	09:13:46.292	0.1	49.0	1.94	TAS	m_e										
WLF	127.38	PKPdf	09:13:52.248		49.0	1.94	TAS	m_e										

Event 70801007 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
2017/08/01	17:02:05.25			36.8600	141.3400				12.1	0.8		33		80.01	85.43	m i ke	BGR
	70801013																

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70801013
Ms	4.6		BGR	70801013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	81.48		P	17:14:22.935	-0.2	38.0		5.18		TAS		62.7	2.07	m_e	mb 5.3
ASSE	81.48		pP	17:14:26.623	0.2	38.1		5.20		TAS				m_e	
BFO	85.43		P	17:14:43.130		38.0		5.18		TAS		46.4	1.32	m_e	mb 5.5
BFO	85.43		pP	17:14:46.696		38.1		5.20		TAS				m_e	
BRG	81.17		P	17:14:21.301	-0.1	38.0		5.18		TAS		24.9	1.38	m_e	mb 5.1
BRG	81.17		pP	17:14:24.805	-0.0	38.1		5.20		TAS				m_e	
BSEG	80.19		P	17:14:16.407	-0.1	38.0		5.18		TAS		30.1	1.18	m_e	mb 5.1
BSEG	80.19		pP	17:14:19.769	0.0	38.1		5.20		TAS				m_e	
BUG	83.30		P	17:14:32.265	-0.2	38.0		5.18		TAS		16.4	1.21	m_e	mb 5.1
BUG	83.30		pP	17:14:35.724	0.1	38.1		5.20		TAS				m_e	

CLL	81.22	P	17:14:21.204	0.1	38.0	5.18	TAS	34.8	1.21	m_e	mb	5.3
CLL	81.22	pP	17:14:24.792	-0.2	38.1	5.20	TAS			m_e		
CLZ	81.83	P	17:14:25.217	-0.5	38.0	5.18	TAS	43.5	1.34	m_e	mb	5.4
CLZ	81.83	pP	17:14:28.687	-0.2	38.1	5.20	TAS			m_e		
FBE	81.38	P	17:14:22.672	0.1	38.0	5.18	TAS	63.7	1.45	m_e	mb	5.4
FBE	81.38	pP	17:14:26.128	0.1	38.1	5.20	TAS			m_e		
FLT1	81.11	P	17:14:20.518	0.1	38.0	5.18	TAS	39.5	1.30	m_e	mb	5.3
FLT1	81.11	pP	17:14:24.009	0.3	38.1	5.20	TAS			m_e		
FUR	84.37	P	17:14:38.238		38.0	5.18	TAS	42.3	1.08	m_e	mb	5.6
GEC2	82.83	P	17:14:29.720	-0.4	38.0	5.18	TAS	17.3	1.32	m_e	mb	5.1
GEC2	82.83	pP	17:14:33.453	0.2	38.1	5.20	TAS			m_e		
GOR1	80.57	P	17:14:18.659	-0.0	38.0	5.18	TAS	74.5	1.52	m_e	mb	5.5
GOR1	80.57	pP	17:14:21.965	-0.1	38.1	5.20	TAS			m_e		
GRA1	83.19	P	17:14:32.363	0.1	38.0	5.18	TAS	49.5	1.23	m_e	mb	5.6
GRA1	83.19	pP	17:14:35.789	-0.2	38.1	5.20	TAS			m_e		
GRA1	83.19	L	17:54:36.749				T__	170.6	18.30	a_e	Ms	4.5
GTTG	82.22	P	17:14:26.979	-0.1	38.0	5.18	TAS	16.2	1.02	m_e	mb	5.1
GTTG	82.22	pP	17:14:30.615	-0.4	38.1	5.20	TAS			m_e		
GUNZ	82.22	P	17:14:26.881	0.2	38.0	5.18	TAS	28.8	1.42	m_e	mb	5.2
GUNZ	82.22	pP	17:14:30.496	0.1	38.1	5.20	TAS			m_e		
IBBN	82.42	P	17:14:27.978	0.4	38.0	5.18	TAS	36.7	1.16	m_e	mb	5.4
IBBN	82.42	pP	17:14:31.381	0.1	38.1	5.20	TAS			m_e		
KAST	83.07	P	17:14:31.188	-0.2	38.0	5.18	TAS	10.4	1.13	m_e	mb	5.0
KAST	83.07	pP	17:14:34.871	0.1	38.1	5.20	TAS			m_e		
MANZ	82.60	P	17:14:29.132	-0.4	38.0	5.18	TAS	2.2	0.92	m_e	mb	4.4
MANZ	82.60	pP	17:14:32.476	0.3	38.1	5.20	TAS			m_e		
MOX	82.29	P	17:14:27.273	-0.1	38.0	5.18	TAS	25.2	1.45	m_e	mb	5.1
MOX	82.29	pP	17:14:30.809	0.1	38.1	5.20	TAS			m_e		
MOX	82.29	L	17:54:55.923				T__	266.5	18.20	a_e	Ms	4.6
NEUB	81.79	P	17:14:24.532	0.0	38.0	5.18	TAS	41.6	1.20	m_e	mb	5.4
NEUB	81.79	pP	17:14:27.954	-0.2	38.1	5.20	TAS			m_e		
NRDL	81.41	P	17:14:22.619	-0.6	38.0	5.18	TAS	53.2	1.92	m_e	mb	5.2
NRDL	81.41	pP	17:14:26.034	0.0	38.1	5.20	TAS			m_e		
RETH	81.49	P	17:14:22.966	0.1	38.0	5.18	TAS	40.4	1.42	m_e	mb	5.3
RETH	81.49	pP	17:14:26.557	-0.1	38.1	5.20	TAS			m_e		
RJOB	84.07	P	17:14:36.768		38.0	5.18	TAS	17.0	1.09	m_e	mb	5.2
RJOB	84.07	pP	17:14:40.196		38.1	5.20	TAS			m_e		
ROTZ	82.74	P	17:14:30.013	-0.1	38.0	5.18	TAS	10.2	1.50	m_e	mb	4.8
ROTZ	82.74	pP	17:14:33.467	0.2	38.1	5.20	TAS			m_e		
RUE	80.01	pP	17:14:18.868	-0.6	38.1	5.20	TAS			m_e		
STU	84.73	P	17:14:39.821		38.0	5.18	TAS	106.2	1.30	m_e	mb	5.9
STU	84.73	pP	17:14:43.291	-0.5	38.1	5.20	TAS			m_e		
TANN	82.13	P	17:14:26.392	0.4	38.0	5.18	TAS	16.1	1.45	m_e	mb	4.9
TANN	82.13	pP	17:14:30.025	0.2	38.1	5.20	TAS			m_e		
TNS	83.85	pP	17:14:39.088	0.3	38.1	5.20	TAS			m_e		
UBR	85.24	P	17:14:42.140		38.0	5.18	TAS	9.6	1.11	m_e	mb	4.9
UBR	85.24	pP	17:14:45.612		38.1	5.20	TAS			m_e		
WERD	82.16	P	17:14:26.685	0.2	38.0	5.18	TAS	31.6	1.54	m_e	mb	5.2
WERD	82.16	pP	17:14:30.110	0.3	38.1	5.20	TAS			m_e		

WERN	82.26	P	17:14:27.370	0.4	38.0	5.18	TAS	29.5	1.36	m_e	mb	5.2
WERN	82.26	pP	17:14:30.908	0.4	38.1	5.20	TAS			m_e		
WET	82.94	P	17:14:30.894	0.3	38.0	5.18	TAS	23.4	1.39	m_e	mb	5.2
WET	82.94	pP	17:14:34.374	-0.4	38.1	5.20	TAS			m_e		
WLF	85.17	P	17:14:42.345	-0.4	38.0	5.18	TAS			m_e		
WLF	85.17	pP	17:14:46.008	-0.1	38.1	5.20	TAS			m_e		

Event 70801009 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
2017/08/01	22:15:57.100			36.7460	141.2340				51.1			25		80.25	85.48	m i ke	BGR
	70801015																

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70801015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	85.48		P	22:28:29.132		38.2		5.19		TAS		8.1	0.78	m_e	mb	5.0
BRG	81.23		P	22:28:07.343	0.1	38.2		5.19		TAS		8.0	1.06	m_e	mb	4.7
BSEG	80.25		P	22:28:02.460	-0.0	38.2		5.19		TAS		10.3	0.89	m_e	mb	4.8
BUG	83.36		P	22:28:18.381	-0.1	38.2		5.19		TAS		5.2	0.71	m_e	mb	4.9
CLL	81.27		P	22:28:07.169	-0.0	38.2		5.19		TAS		13.2	0.88	m_e	mb	5.0
CLL	81.27		pP	22:28:21.895						T__				m_e		
CLZ	81.89		P	22:28:11.190	-0.1	38.2		5.19		TAS		9.3	0.93	m_e	mb	4.9
FBE	81.43		P	22:28:08.758	0.0	38.2		5.19		TAS		12.6	0.84	m_e	mb	5.0
FLT1	81.17		P	22:28:06.660	-0.6	38.2		5.19		TAS		13.1	0.94	m_e	mb	4.9
FUR	84.43		P	22:28:24.000		38.2		5.19		TAS		169.3	2.19	m_e	mb	5.9
GEC2	82.88		P	22:28:15.868		38.2		5.19		TAS		4.0	1.02	m_e	mb	4.6
GRA1	83.25		P	22:28:18.415		38.2		5.19		TAS		15.7	0.80	m_e	mb	5.3
GTTG	82.27		P	22:28:13.167	0.2	38.2		5.19		TAS		7.7	0.68	m_e	mb	5.0
GUNZ	82.28		P	22:28:12.897	-0.4	38.2		5.19		TAS		5.0	0.83	m_e	mb	4.7
IBBN	82.48		P	22:28:13.942	-0.1	38.2		5.19		TAS		13.4	0.88	m_e	mb	5.1
KAST	83.13		P	22:28:17.423	-0.1	38.2		5.19		TAS		3.0	0.78	m_e	mb	4.6
MANZ	82.66		P	22:28:14.958		38.2		5.19		TAS		1.4	0.84	m_e	mb	4.2
MOX	82.34		P	22:28:13.230	0.3	38.2		5.19		TAS		4.6	0.80	m_e	mb	4.7
NEUB	81.85		P	22:28:10.571	-0.0	38.2		5.19		TAS		14.6	0.76	m_e	mb	5.2
NRDL	81.47		P	22:28:08.663	0.3	38.2		5.19		TAS		4.5	0.75	m_e	mb	4.6
RETH	81.55		P	22:28:09.261	-0.5	38.2		5.19		TAS		5.6	0.75	m_e	mb	4.8
RJOB	84.12		P	22:28:22.617		38.2		5.19		TAS		5.9	0.89	m_e	mb	4.8
ROTZ	82.79		P	22:28:15.889		38.2		5.19		TAS		5.0	1.62	m_e	mb	4.5
WERD	82.22		P	22:28:12.565	0.2	38.2		5.19		TAS		3.1	0.93	m_e	mb	4.4
WERN	82.32		P	22:28:13.163	-0.1	38.2		5.19		TAS		8.3	1.04	m_e	mb	4.8
WET	83.00		P	22:28:16.862		38.2		5.19		TAS		4.4	1.06	m_e	mb	4.6

Event 70802001 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/02	00:16:12.23			12.6600	-49.1000				33.0	0.0		33		58.20	63.61	m i ke	BGR
70802007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70802007
MBB	5.5		BGR	70802007
Ms	4.5		BGR	70802007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	61.68		P	00:26:27.227	0.1	254.6		6.78		TAS		37.1	1.29	m_e	MBB	5.8
BFO	59.15		P	00:26:09.569	0.7	254.6		6.78		TAS		37.4	1.23	m_e	MBB	5.5
BRG	63.33		P	00:26:38.136	-0.1	254.6		6.78		TAS		16.1	1.03	m_e	MBB	5.5
BSEG	62.02		P	00:26:29.090	0.3	254.6		6.78		TAS		34.2	0.87	m_e	MBB	5.9
BUG	59.46		P	00:26:11.852	-0.3	254.6		6.78		TAS		25.4	0.94	m_e	MBB	5.5
CLL	62.86		P	00:26:34.940	0.0	254.6		6.78		TAS		37.8	0.82	m_e	MBB	5.7
CLZ	61.42		P	00:26:25.248	-0.0	254.6		6.78		TAS		23.0	1.06	m_e	MBB	5.1
FBE	62.98		P	00:26:36.003	0.1	254.6		6.78		TAS		23.2	1.20	m_e	MBB	5.6
FLT1	62.07		P	00:26:29.206	0.0	254.6		6.78		TAS		41.7	1.23	m_e	MBB	5.8
FUR	61.00		P	00:26:22.499		254.6		6.78		TAS		39.6	1.17	m_e	MBB	5.3
GEC2	62.73		P	00:26:33.871	0.2	254.6		6.78		TAS		26.0	1.41	m_e	MBB	5.4
GOR1	62.30		P	00:26:30.961	0.3	254.6		6.78		TAS		59.1	1.46	m_e	MBB	6.0
GRA1	61.35		P	00:26:24.537	-0.4	254.6		6.78		TAS		9.4	0.94	m_e	mb	4.6
GRA1	61.35		L	00:49:26.155						T__		343.2	18.20	a_e	Ms	4.5
GTTG	61.09		P	00:26:23.066	-0.1	254.6		6.78		TAS		52.4	1.38	m_e	MBB	5.3
GUNZ	62.21		P	00:26:30.707	-0.1	254.6		6.78		TAS		28.3	1.28	m_e	MBB	5.5
IBBN	60.03		P	00:26:15.708	0.2	254.6		6.78		TAS		44.6	0.87	m_e	MBB	5.7
KAST	60.06		P	00:26:15.708	0.1	254.6		6.78		TAS		18.5	1.18	m_e	MBB	5.3
MANZ	61.98		P	00:26:29.003	-0.2	254.6		6.78		TAS		2.0	1.04	m_e	MBB	4.7
MOX	61.84		P	00:26:28.191	-0.1	254.6		6.78		TAS		13.0	0.99	m_e	MBB	5.5
MOX	61.84		L	00:49:31.925						T__		331.2	18.00	a_e	Ms	4.5
NEUB	62.08		P	00:26:29.764	-0.1	254.6		6.78		TAS		46.2	0.80	m_e	MBB	5.8
NRDL	61.46		P	00:26:25.705	0.0	254.6		6.78		TAS		33.7	1.01	m_e	MBB	5.4
RETH	61.10		P	00:26:23.218	-0.2	254.6		6.78		TAS		33.8	1.16	m_e	MBB	5.4
RJOB	61.90		P	00:26:28.207		254.6		6.78		TAS		13.8	0.95	m_e	MBB	5.5
ROTZ	61.99		P	00:26:29.054	-0.1	254.6		6.78		TAS		2.2	0.94	m_e	mb	4.4
RUE	63.61		P	00:26:39.918	-0.4	254.6		6.78		TAS		39.0	0.88	m_e	MBB	5.9
STU	59.82		P	00:26:13.974	0.0	254.6		6.78		TAS		60.5	0.94	m_e	mb	5.6
TANN	62.31		P	00:26:31.185	0.2	254.6		6.78		TAS		14.7	1.09	m_e	MBB	5.3
TNS	59.78		P	00:26:14.366	-0.2	254.6		6.78		TAS		19.2	1.00	m_e	MBB	5.5
UBR	60.12		P	00:26:16.875		254.6		6.78		TAS		29.4	1.10	m_e	MBB	5.5
WERD	62.22		P	00:26:30.592	0.3	254.6		6.78		TAS		17.8	1.19	m_e	MBB	5.5
WERN	62.22		P	00:26:30.982	-0.0	254.6		6.78		TAS		31.8	0.98	m_e	MBB	5.7
WET	62.27		P	00:26:30.829	-0.2	254.6		6.78		TAS		11.8	1.14	m_e	MBB	5.4
WLF	58.20		P	00:26:03.146	-0.1	254.6		6.78		TAS		37.6	0.92	m_e	MBB	5.7

Event 70802002 Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/02	02:32:11.90	1.79	0.82	45.5400	26.3100	30.0	25.6	138	133.0			25	343	9.20	13.92	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
ASSE	12.22		Pn	02:35:01.186	1.7	107.6		12.98		TAS					m_e
BFO	12.60		Pn	02:35:08.241		107.6		12.98		TAS					m_e
BRG	9.83		Pn	02:34:30.819	-0.5	107.6		12.98		TAS					m_e
BUG	13.92		Pn	02:35:24.620		107.6		12.98		TAS					m_e
CLL	10.55		Pn	02:34:39.889	-0.0	107.6		12.98		TAS					m_e
CLZ	12.26		Pn	02:35:01.990	0.6	107.6		12.98		TAS					m_e
FBE	10.18		Pn	02:34:35.540	-0.2	107.6		12.98		TAS					m_e
FLT1	12.00		Pn	02:34:58.194	-0.8	107.6		12.98		TAS					m_e
FUR	10.63		Pn	02:34:42.849	2.1	107.6		12.98		TAS					m_e
GEC2	9.20		Pn	02:34:24.190	-0.2	107.6		12.98		TAS					m_e
GOR1	12.30		Pn	02:35:01.454	0.5	107.6		12.98		TAS					m_e
GRA1	11.00		Pn	02:34:47.354	-0.8	107.6		12.98		TAS					m_e
GUNZ	10.54		Pn	02:34:41.815	-0.6	107.6		12.98		TAS					m_e
KAST	13.16		Pn	02:35:16.238		107.6		12.98		TAS					m_e
MANZ	10.54		Pn	02:34:41.329	-0.5	107.6		12.98		TAS					m_e
MOX	11.07		Pn	02:34:47.739	-0.5	107.6		12.98		TAS					m_e
NEUB	11.20		Pn	02:34:48.931	0.1	107.6		12.98		TAS					m_e
NRDL	12.69		Pn	02:35:07.931		107.6		12.98		TAS					m_e
ROTZ	10.41		Pn	02:34:40.089	0.1	107.6		12.98		TAS					m_e
RUE	10.76		Pn	02:34:41.641	-0.5	107.6		12.98		TAS					m_e
TANN	10.48		Pn	02:34:41.001	0.1	107.6		12.98		TAS					m_e
TNS	12.87		Pn	02:35:11.105		107.6		12.98		TAS					m_e
WERD	10.59		Pn	02:34:42.217	1.4	107.6		12.98		TAS					m_e
WERN	10.49		Pn	02:34:41.138	0.1	107.6		12.98		TAS					m_e
WET	9.80		Pn	02:34:31.826	-0.5	107.6		12.98		TAS					m_e

Event 70802004 India-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/02	18:18:17.86			25.0700	92.5400				52.1	0.9		22		63.92	69.06	m i ke	BGR

Magnitude Err Nsta Author OrigID  
 mb 5.1 BGR 70802010

Ms 4.3 BGR 70802010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	67.98		pP	18:29:24.957		80.3		6.22		TAS				m_e	
BRG	63.92		P	18:28:45.120	0.2	80.2		6.40		TAS		6.5	0.71	m_e mb	5.0
BRG	63.92		pP	18:28:59.550	0.0	80.3		6.22		TAS				m_e	
BSEG	65.64		P	18:28:56.306	0.4	80.2		6.40		TAS		19.6	0.90	m_e mb	5.3
CLZ	65.97		P	18:28:58.271	-0.2	80.2		6.40		TAS		13.7	0.94	m_e mb	5.2
FBE	64.28		P	18:28:47.513	0.1	80.2		6.40		TAS		14.1	1.01	m_e mb	5.1
FBE	64.28		pP	18:29:02.238	0.2	80.3		6.22		TAS				m_e	
GEC2	64.39		P	18:28:48.125		80.2		6.40		TAS		11.1	0.69	m_e mb	5.2
GEC2	64.39		pP	18:29:02.685	-0.0	80.3		6.22		TAS				m_e	
GOR1	65.21		P	18:28:53.523	-0.1	80.2		6.40		TAS		18.9	1.02	m_e mb	5.3
GOR1	65.21		pP	18:29:07.871		80.3		6.22		TAS				m_e	
GRA1	65.84		L	19:01:14.284						T__		213.7	22.00	a_e Ms	4.3
GTTG	66.28		P	18:28:59.982	-0.0	80.2		6.40		TAS		20.7	1.25	m_e mb	5.2
GUNZ	65.01		P	18:28:52.132		80.2		6.40		TAS		8.5	0.82	m_e mb	5.0
GUNZ	65.01		pP	18:29:06.747	-0.2	80.3		6.22		TAS				m_e	
KAST	67.30		pP	18:29:20.979		80.3		6.22		TAS				m_e	
MOX	65.42		P	18:28:54.580		80.2		6.40		TAS		11.4	1.21	m_e mb	5.0
MOX	65.42		L	19:00:48.259						T__		176.7	21.20	a_e Ms	4.2
NEUB	65.23		P	18:28:53.230	0.2	80.2		6.40		TAS		12.9	1.04	m_e mb	5.1
NRDL	66.02		P	18:28:58.977	-0.3	80.2		6.40		TAS		17.6	1.08	m_e mb	5.2
NRDL	66.02		pP	18:29:13.434		80.3		6.22		TAS				m_e	
RJOB	65.17		pP	18:29:07.509	-0.2	80.3		6.22		TAS				m_e	
ROTZ	65.19		P	18:28:53.690		80.2		6.40		TAS		2.7	0.71	m_e mb	4.6
ROTZ	65.19		pP	18:29:08.238	-0.1	80.3		6.22		TAS				m_e	
TANN	64.92		P	18:28:51.353		80.2		6.40		TAS		5.3	0.83	m_e mb	4.8
TNS	67.49		P	18:29:07.758		80.2		6.40		TAS		11.0	0.95	m_e mb	5.1
UBR	66.96		pP	18:29:18.335		80.3		6.22		TAS				m_e	
WERD	65.02		P	18:28:52.020		80.2		6.40		TAS		6.2	0.81	m_e mb	4.9
WERD	65.02		pP	18:29:06.598	0.4	80.3		6.22		TAS				m_e	
WERN	65.00		P	18:28:52.132		80.2		6.40		TAS		4.7	0.82	m_e mb	4.8
WERN	65.00		pP	18:29:06.644	0.4	80.3		6.22		TAS				m_e	
WET	64.87		P	18:28:51.220		80.2		6.40		TAS		5.3	0.83	m_e mb	4.8
WET	64.87		pP	18:29:05.930	-0.2	80.3		6.22		TAS				m_e	
WLF	69.06		P	18:29:18.198		80.2		6.40		TAS		29.4	0.98	m_e mb	5.5

Event 70802005 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/02	19:01:29.56			-5.4850	-11.7030				15.7	0.5		25		56.32	62.02	m i ke	BGR
70802011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70802011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	56.40		P	19:11:11.925		207.0		6.98		TAS		15.3	1.02	m_e mb	5.0
BSEG	62.02		P	19:11:50.851	0.5	207.0		6.98		TAS				m_e	
BUG	58.99		P	19:11:30.191	0.0	207.0		6.98		TAS				m_e	
CLZ	60.14		P	19:11:38.220	-0.1	207.0		6.98		TAS		10.4	1.31	m_e mb	4.7
FBE	60.18		P	19:11:38.401	-0.1	207.0		6.98		TAS		4.1	0.78	m_e mb	4.5
FBE	60.18		pP	19:11:42.752						T__				m_e	
FLT1	60.81		P	19:11:42.762	-0.0	207.0		6.98		TAS		8.4	1.02	m_e mb	4.5
FUR	57.11		P	19:11:17.352		207.0		6.98		TAS		28.0	0.90	m_e mb	5.3
GEC2	58.48		P	19:11:27.253		207.0		6.98		TAS		18.0	0.95	m_e mb	5.1
GEC2	58.48		pP	19:11:31.491						T__				m_e	
GOR1	61.43		P	19:11:47.536	-0.3	207.0		6.98		TAS		23.0	1.09	m_e mb	4.9
GRA1	58.45		P	19:11:26.406		207.0		6.98		TAS		14.1	1.10	m_e mb	4.9
GTTG	59.77		P	19:11:36.201	-0.2	207.0		6.98		TAS		17.0	1.06	m_e mb	5.0
GUNZ	59.38		P	19:11:33.121	0.2	207.0		6.98		TAS		14.8	0.91	m_e mb	5.0
KAST	59.05		P	19:11:30.627	-0.1	207.0		6.98		TAS		6.8	1.08	m_e mb	4.6
MANZ	58.98		P	19:11:30.114		207.0		6.98		TAS		3.2	1.02	m_e mb	4.3
MOX	59.41		P	19:11:33.267	-0.2	207.0		6.98		TAS		10.8	0.83	m_e mb	4.9
MOX	59.41		pP	19:11:37.525						T__				m_e	
NEUB	59.95		P	19:11:37.008	0.1	207.0		6.98		TAS		16.1	0.91	m_e mb	5.0
NRDL	60.66		P	19:11:42.449	0.5	207.0		6.98		TAS		8.1	1.11	m_e mb	4.5
RJOB	57.22		P	19:11:17.572		207.0		6.98		TAS		8.5	0.75	m_e mb	4.9
ROTZ	58.81		P	19:11:29.087		207.0		6.98		TAS		2.3	1.04	m_e mb	4.1
TANN	59.46		P	19:11:33.634	-0.3	207.0		6.98		TAS		14.8	0.99	m_e mb	5.0
TNS	58.16		P	19:11:24.540	-0.1	207.0		6.98		TAS		12.4	0.96	m_e mb	4.9
UBR	56.32		P	19:11:11.558		207.0		6.98		TAS		22.4	0.97	m_e mb	5.2
WERD	59.44		P	19:11:33.341	0.6	207.0		6.98		TAS		9.6	1.02	m_e mb	4.8
WERN	59.32		P	19:11:32.534	-0.3	207.0		6.98		TAS		9.8	1.01	m_e mb	4.8
WERN	59.32		pP	19:11:37.035						T__				m_e	
WET	58.48		P	19:11:26.813		207.0		6.98		TAS		15.0	0.96	m_e mb	5.0
WET	58.48		pP	19:11:31.240						T__				m_e	

Event 70803001 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/03	00:14:53.73			39.5460	75.0040				33.0			11		43.31	46.44	m i ke	BGR
70803007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70803007
Ms	3.6		BGR	70803007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	43.31		P	00:22:51.019	0.6	77.6		7.94		TAS		6.8	0.62	m_e mb	4.5
CLL	43.82		P	00:22:54.625	-0.1	77.6		7.94		TAS		8.4	0.57	m_e mb	4.7



./2017/bull1708.txt

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FBE	43.67	P	00:22:54.192	0.1	77.6	7.94	TAS	14.8	0.56	m_e	mb	4.9
FLT1	44.73	P	00:23:01.934	-0.1	77.6	7.94	TAS	8.5	0.67	m_e	mb	4.8
GRA1	45.25	P	00:23:07.060		77.6	7.94	TAS	12.1	0.68	m_e	mb	5.0
GRA1	45.25	L	00:42:48.821				T__	64.9	20.20	a_e	Ms	3.6
GUNZ	44.41	P	00:22:59.937		77.6	7.94	TAS	4.3	0.66	m_e	mb	4.3
MOX	44.80	P	00:23:02.826	0.0	77.6	7.94	TAS	3.5	0.69	m_e	mb	4.4
MOX	44.80	L	00:44:24.731				T__	67.2	19.80	a_e	Ms	3.6
TANN	44.32	P	00:22:59.014		77.6	7.94	TAS	4.0	0.73	m_e	mb	4.2
UBR	46.44	P	00:23:15.510		77.6	7.94	TAS	7.9	0.64	m_e	mb	4.9
WERD	44.41	P	00:22:59.782	-0.3	77.6	7.94	TAS	4.3	0.60	m_e	mb	4.4
WET	44.30	P	00:22:59.020		77.6	7.94	TAS	5.9	0.76	m_e	mb	4.4

Event 70803002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/03	00:30:59.87			-21.0390	-177.9230				33.0			13		146.56	150.74	m i ke	BGR
70803008																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	148.26		PKPbc	00:50:42.643	0.1	17.5		2.52		TAS					m_e
BRG	148.80		PKPbc	00:50:43.926	-0.1	17.5		2.52		TAS					m_e
BSEG	146.56		PKPbc	00:50:38.174	-0.2	17.5		2.52		TAS					m_e
CLL	148.60		PKPbc	00:50:43.351	-0.1	17.5		2.52		TAS					m_e
CLZ	148.58		PKPbc	00:50:43.749	0.3	17.5		2.52		TAS					m_e
FBE	148.89		PKPbc	00:50:44.545	0.4	17.5		2.52		TAS					m_e
FLT1	147.97		PKPbc	00:50:41.537	-0.3	17.5		2.52		TAS					m_e
GEC2	150.74		PKPbc	00:50:48.438	-0.5	17.5		2.52		TAS					m_e
GUNZ	149.63		PKPbc	00:50:46.271	0.2	17.5		2.52		TAS					m_e
MANZ	150.04		PKPbc	00:50:47.155	0.1	17.5		2.52		TAS					m_e
TANN	149.56		PKPbc	00:50:45.917	0.1	17.5		2.52		TAS					m_e
TNS	150.44		PKPbc	00:50:48.084	-0.1	17.5		2.52		TAS					m_e
WERD	149.56		PKPbc	00:50:45.961	0.1	17.5		2.52		TAS					m_e

Event 70803003 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/03	08:53:34.53			-17.6190	-172.4640				33.0			13		144.93	149.95	m i ke	BGR
70803009																	

Magnitude Err Nsta Author OrigID  
Ms 5.4 BGR 70803009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	146.43		PKPbc	09:13:12.297		6.6		2.81		TAS				m_e	
CLL	146.11		PKPbc	09:13:11.148	0.2	6.6		2.81		TAS				m_e	
FBE	146.45		PKPbc	09:13:12.706	-0.2	6.6		2.81		TAS				m_e	
GRA1	147.87		L	10:29:53.111						T__		516.4	18.20	a_e Ms	5.4
MOX	146.89		PKPbc	09:13:13.446		6.6		2.81		TAS				m_e	
MOX	146.89		L	10:22:05.792						T__		554.0	19.00	a_e Ms	5.4
NRDL	145.14		PKPbc	09:13:08.124	-0.1	6.6		2.81		TAS				m_e	
RETH	144.93		PKPbc	09:13:07.414	-0.4	6.6		2.81		TAS				m_e	
RJOB	149.65		PKPbc	09:13:20.772		6.6		2.81		TAS				m_e	
ROTZ	147.71		PKPbc	09:13:15.888		6.6		2.81		TAS				m_e	
TNS	147.47		PKPbc	09:13:15.632		6.6		2.81		TAS				m_e	
UBR	149.95		PKPbc	09:13:21.754		6.6		2.81		TAS				m_e	
WERN	147.18		PKPbc	09:13:14.795		6.6		2.81		TAS				m_e	
WET	148.26		PKPbc	09:13:17.037		6.6		2.81		TAS				m_e	
WLF	148.01		PKPbc	09:13:17.181		6.6		2.81		TAS				m_e	

Event 70804003 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/03	23:43:28.79			-19.9750	-173.4390				10.0					145.98	152.21	m i ke	BGR
70804009																	

Magnitude Err Nsta Author OrigID  
Ms 5.3 BGR 70804009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	149.50		PKPbc	00:03:16.090		8.8		2.56		TAS				m_e	
ASSE	147.75		PKPbc	00:03:11.947		8.8		2.56		TAS				m_e	
BFO	151.68		PKPbc	00:03:21.678		8.8		2.56		TAS				a_e	
BRG	148.62		PKPbc	00:03:13.513		8.8		2.56		TAS				m_e	
BSEG	145.98		PKPbc	00:03:07.078		8.8		2.56		TAS				a_e	
BUG	148.59		PKPbc	00:03:13.302		8.8		2.56		TAS				m_e	
CLL	148.32		PKPbc	00:03:12.471		8.8		2.56		TAS				m_e	
CLZ	148.06		PKPbc	00:03:12.930		8.8		2.56		TAS				m_e	
FBE	148.66		PKPbc	00:03:14.928		8.8		2.56		TAS				a_e	
FLT1	147.50		PKPbc	00:03:11.278		8.8		2.56		TAS				a_e	
FUR	151.62		PKPbc	00:03:21.528		8.8		2.56		TAS				a_e	
GEC2	150.63		PKPbc	00:03:19.528		8.8		2.56		TAS				a_e	
GOR1	146.84		PKPbc	00:03:09.378		8.8		2.56		TAS				m_e	
GRA1	150.12		PKPbc	00:03:19.397		8.8		2.56		TAS				m_e	
GRA1	150.12		L	01:11:22.005						T__		434.4	20.80	a_e Ms	5.2
GTTG	148.38		PKPbc	00:03:13.741		8.8		2.56		TAS				m_e	
GUNZ	149.33		PKPbc	00:03:16.578		8.8		2.56		TAS				a_e	
IBBN	147.72		PKPbc	00:03:12.078		8.8		2.56		TAS				a_e	

Station	Mag	PKPbc	Time	Mag	Mag	TAS	Mag	Mag	Mag
KAST	148.80	PKPbc	00:03:14.928	8.8	2.56	TAS			a_e
MANZ	149.73	PKPbc	00:03:17.528	8.8	2.56	TAS			a_e
MOX	149.13	PKPbc	00:03:15.878	8.8	2.56	TAS			a_e
MOX	149.13	L	01:17:47.750			T__	541.0	19.30	a_e Ms 5.4
NEUB	148.58	PKPbc	00:03:13.201	8.8	2.56	TAS			m_e
NRDL	147.43	PKPbc	00:03:11.278	8.8	2.56	TAS			a_e
RETH	147.23	PKPbc	00:03:10.828	8.8	2.56	TAS			a_e
RJOB	151.85	PKPbc	00:03:21.778	8.8	2.56	TAS			a_e
ROTZ	149.94	PKPbc	00:03:17.978	8.8	2.56	TAS			a_e
RUE	147.08	PKPbc	00:03:10.128	8.8	2.56	TAS			a_e
STU	151.19	PKPbc	00:03:20.728	8.8	2.56	TAS			a_e
TANN	149.27	PKPbc	00:03:15.354	8.8	2.56	TAS			m_e
TNS	149.78	PKPbc	00:03:18.186	8.8	2.56	TAS			m_e
UBR	152.21	PKPbc	00:03:22.778	8.8	2.56	TAS			m_e
WERD	149.25	PKPbc	00:03:16.178	8.8	2.56	TAS			a_e
WERN	149.40	PKPbc	00:03:15.164	8.8	2.56	TAS			m_e
WET	150.46	PKPbc	00:03:19.278	8.8	2.56	TAS			m_e
WLF	150.38	PKPbc	00:03:19.328	8.8	2.56	TAS			a_e

Event 70804009 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/04	11:19:46.52			23.6500	122.4700				70.0			28		82.88	87.76	m i ke	BGR
70804015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70804015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	87.32		P	11:32:24.600		58.6		4.92		TAS		9.7	0.81	m_e mb	5.0
BRG	82.88		P	11:32:02.761	-0.9	58.6		4.92		TAS		10.6	0.77	m_e mb	5.1
BSEG	83.27		P	11:32:04.865	-0.1	58.6		4.92		TAS		16.8	0.89	m_e mb	5.3
BUG	86.17		P	11:32:19.021		58.6		4.92		TAS		28.4	0.85	m_e mb	5.4
CLL	83.18		P	11:32:03.713	-0.8	58.6		4.92		TAS		12.5	0.77	m_e mb	5.2
CLZ	84.33		P	11:32:11.366	0.2	58.6		4.92		TAS		26.0	0.96	m_e mb	5.4
FBE	83.18		P	11:32:04.459	0.0	58.6		4.92		TAS		26.7	0.88	m_e mb	5.5
FLT1	83.62		P	11:32:05.887	0.2	58.6		4.92		TAS		13.5	0.87	m_e mb	5.2
FUR	85.74		P	11:32:17.714		58.6		4.92		TAS		35.1	0.81	m_e mb	5.5
GEC2	84.00		P	11:32:08.908	0.1	58.6		4.92		TAS		28.2	0.95	m_e mb	5.5
GTTG	84.70		P	11:32:12.525	0.1	58.6		4.92		TAS		17.4	0.85	m_e mb	5.3
GUNZ	84.02		P	11:32:08.767	1.2	58.6		4.92		TAS		13.3	0.84	m_e mb	5.2
IBBN	85.44		P	11:32:15.833	-0.4	58.6		4.92		TAS		33.1	0.84	m_e mb	5.6
KAST	85.70		P	11:32:17.066	0.5	58.6		4.92		TAS		14.2	0.94	m_e mb	5.1
MANZ	84.34		P	11:32:10.518	0.1	58.6		4.92		TAS		1.9	0.84	m_e mb	4.4
MOX	84.28		P	11:32:10.120	0.5	58.6		4.92		TAS		5.9	0.76	m_e mb	4.9
NEUB	83.91		P	11:32:08.642		58.6		4.92		TAS		21.2	0.68	m_e mb	5.5

NRDL	84.13	P	11:32:10.353	-0.1	58.6	4.92	TAS	9.9	0.97	m_e	mb	5.0
RJOB	85.07	P	11:32:14.443	-1.7	58.6	4.92	TAS	23.1	0.81	m_e	mb	5.5
ROTZ	84.39	P	11:32:10.482	0.2	58.6	4.92	TAS	3.3	0.88	m_e	mb	4.6
STU	86.60	P	11:32:21.574		58.6	4.92	TAS	46.7	0.79	m_e	mb	5.7
TANN	83.93	P	11:32:07.694	-0.0	58.6	4.92	TAS	7.0	0.95	m_e	mb	4.9
TNS	86.22	P	11:32:19.728		58.6	4.92	TAS	17.1	0.83	m_e	mb	5.2
UBR	86.66	P	11:32:21.653		58.6	4.92	TAS	21.0	1.04	m_e	mb	5.2
WERD	83.99	P	11:32:08.503	1.2	58.6	4.92	TAS	6.8	0.80	m_e	mb	4.9
WERN	84.04	P	11:32:08.834	0.2	58.6	4.92	TAS	15.4	0.87	m_e	mb	5.2
WET	84.32	P	11:32:10.575	0.4	58.6	4.92	TAS	9.6	1.15	m_e	mb	4.9
WLF	87.76	P	11:32:27.565		58.6	4.92	TAS	36.9	0.91	m_e	mb	5.7

Event 70806002 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/06	19:57:01.98			-5.3910	-11.2260				10.0			32		56.09	61.81	m i ke	BGR
70806008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70806008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	57.91	P		20:06:54.667	-1.0	206.5		6.99		TAS		11.5	0.97	a_e	mb	4.9
ASSE	60.26	P		20:07:12.067	-0.3	206.5		6.99		TAS		4.3	0.88	a_e	mb	4.5
BFO	56.18	P		20:06:43.567	-0.3	206.5		6.99		TAS		15.2	0.95	a_e	mb	5.0
BRG	60.08	P		20:07:11.017	-0.1	206.5		6.99		TAS		7.2	0.93	a_e	mb	4.7
BSEG	61.81	P		20:07:22.267		206.5		6.99		TAS		14.7	0.86	a_e	mb	5.2
BUG	58.79	P		20:07:01.767	-0.0	206.5		6.99		TAS		5.8	0.94	a_e	mb	4.6
CLL	60.18	P		20:07:11.517	-0.3	206.5		6.99		TAS		4.8	0.97	a_e	mb	4.5
CLZ	59.92	P		20:07:09.767	-0.2	206.5		6.99		TAS		8.3	1.01	a_e	mb	4.7
FBE	59.95	P		20:07:10.117	-0.1	206.5		6.99		TAS		5.3	0.77	a_e	mb	4.6
FLT1	60.60	P		20:07:15.667	-0.5	206.5		6.99		TAS		6.6	0.84	a_e	mb	4.5
FUR	56.87	P		20:06:48.867	0.2	206.5		6.99		TAS		25.0	0.87	a_e	mb	5.3
GEC2	58.24	P		20:06:58.717	0.6	206.5		6.99		TAS		19.3	0.87	m_e	mb	5.1
GRA1	58.22	P		20:06:57.967	-0.2	206.5		6.99		TAS		9.7	0.89	a_e	mb	4.8
GTTG	59.55	P		20:07:07.717	0.4	206.5		6.99		TAS		14.5	1.00	a_e	mb	5.0
GUNZ	59.15	P		20:07:04.617	0.0	206.5		6.99		TAS		16.1	0.85	a_e	mb	5.1
IBBN	59.71	P		20:07:08.317	0.1	206.5		6.99		TAS		5.1	0.87	a_e	mb	4.6
KAST	58.84	P		20:07:03.717	1.4	206.5		6.99		TAS		4.8	0.75	a_e	mb	4.6
MANZ	58.74	P		20:07:01.817	0.0	206.5		6.99		TAS		3.3	0.89	a_e	mb	4.4
MOX	59.19	P		20:07:04.767	-0.1	206.5		6.99		TAS		12.5	0.83	a_e	mb	5.0
NEUB	59.72	P		20:07:08.517	-0.1	206.5		6.99		TAS		16.2	0.91	a_e	mb	5.1
NRDL	60.45	P		20:07:14.167	0.6	206.5		6.99		TAS		10.4	1.03	a_e	mb	4.8
RJOB	56.98	P		20:06:49.067	-0.2	206.5		6.99		TAS		9.4	0.72	a_e	mb	4.9
ROTZ	58.58	P		20:07:00.617	-0.0	206.5		6.99		TAS		2.2	0.91	a_e	mb	4.2
RUE	61.44	P		20:07:20.167		206.5		6.99		TAS		13.8	0.65	a_e	mb	4.9

STU	56.82	P	20:06:47.967	-0.3	206.5	6.99	TAS	16.7	0.78	a_e	mb	5.1
TANN	59.23	P	20:07:05.167	-0.0	206.5	6.99	TAS	14.4	0.92	a_e	mb	5.0
TNS	57.95	P	20:06:56.067	-0.1	206.5	6.99	TAS	12.9	0.83	a_e	mb	5.0
UBR	56.09	P	20:06:43.167	-0.1	206.5	6.99	TAS	25.0	0.90	a_e	mb	5.2
WERD	59.21	P	20:07:05.017	-0.1	206.5	6.99	TAS	16.9	1.15	a_e	mb	5.0
WERN	59.09	P	20:07:04.367	0.1	206.5	6.99	TAS	16.7	1.07	a_e	mb	5.0
WET	58.24	P	20:06:58.467	0.3	206.5	6.99	TAS	16.0	0.92	a_e	mb	5.0
WLF	56.87	P	20:06:48.617	0.2	206.5	6.99	TAS	9.4	0.91	a_e	mb	4.8

Event 70808002 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/08	07:42:13.68			36.1510	28.5040				10.0			28		16.41	21.83	m i ke	BGR
OrigID 70808008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70808008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	21.10	P		07:46:56.115	1.2	130.7		11.00		TAS		22.7	0.97	m_e	mb	4.5
BFO	19.20	P		07:46:36.150	-0.1	130.7		11.00		TAS		14.6	0.81	m_e	mb	4.3
BRG	18.06	P		07:46:23.464	-1.7	130.7		11.00		TAS		45.7	0.93	m_e	mb	4.6
BSEG	21.83	P		07:47:04.721		130.7		11.00		TAS		32.5	0.90	m_e	mb	4.8
BUG	21.53	P		07:47:01.819		130.7		11.00		TAS		30.7	1.02	m_e	mb	4.7
CLL	18.78	P		07:46:33.579	0.7	130.7		11.00		TAS		20.1	0.91	m_e	mb	4.3
CLZ	20.31	P		07:46:49.011	-1.1	130.7		11.00		TAS		16.0	0.95	m_e	mb	4.2
FBE	18.35	P		07:46:28.172	-0.6	130.7		11.00		TAS		47.3	0.95	m_e	mb	4.6
FLT1	20.28	P		07:46:47.964	-0.6	130.7		11.00		TAS		13.2	0.96	m_e	mb	4.1
GEC2	16.70	P		07:46:06.636	-2.4	130.7		11.00		TAS		39.5	1.07	m_e	mb	4.5
GRA1	18.47	P		07:46:29.606	1.1	130.7		11.00		TAS		16.1	0.79	m_e	mb	4.2
GTTG	20.30	P		07:46:48.637	0.2	130.7		11.00		TAS		84.4	1.26	m_e	mb	4.8
GUNZ	18.39	P		07:46:27.271	1.0	130.7		11.00		TAS		20.5	0.84	m_e	mb	4.3
IBBN	21.83	P		07:46:59.952		130.7		11.00		TAS		22.8	0.93	m_e	mb	4.6
KAST	20.81	P		07:46:53.847	-0.4	130.7		11.00		TAS		7.6	0.80	m_e	mb	4.1
MANZ	18.24	P		07:46:24.275	0.6	130.7		11.00		TAS		3.3	0.95	m_e	mb	3.4
MOX	18.92	P		07:46:34.049	2.5	130.7		11.00		TAS		11.7	0.79	m_e	mb	4.2
NRDL	20.88	P		07:46:54.680	-5.5	130.7		11.00		TAS		36.9	1.04	m_e	mb	4.6
RJOB	16.41	P		07:46:05.925	0.1	130.7		11.00		TAS		10.8	0.93	m_e	mb	4.0
ROTZ	18.04	P		07:46:22.252	0.5	130.7		11.00		TAS		2.3	0.90	m_e	mb	3.3
STU	18.96	P		07:46:35.833	1.0	130.7		11.00		TAS		48.7	0.83	m_e	mb	4.8
TANN	18.37	P		07:46:26.661	-0.3	130.7		11.00		TAS		25.4	1.02	m_e	mb	4.3
TNS	20.20	P		07:46:47.414	0.6	130.7		11.00		TAS		47.4	1.10	m_e	mb	4.6
UBR	17.84	P		07:46:19.758	-1.6	130.7		11.00		TAS		53.2	1.00	m_e	mb	4.6
WERD	18.47	P		07:46:29.337	2.6	130.7		11.00		TAS		24.1	0.77	m_e	mb	4.4
WERN	18.32	P		07:46:27.362	1.9	130.7		11.00		TAS		17.1	0.92	m_e	mb	4.2
WET	17.30	P		07:46:13.230	-2.5	130.7		11.00		TAS		18.3	0.93	m_e	mb	4.2

WLF 21.12 P 07:46:59.590 130.7 11.00 TAS 33.6 1.03 m\_e mb 4.6

Event 70811001 Southern Italy

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/08/11 02:38:34.40 1.02 39.2830 15.7840 36.7 30.0 103 227.0 9.6 17 7.28 12.44 m i ke INGV
70811091

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 70811001.

Event 70811002 Luzon, Philippine Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2017/08/11 05:28:29.68 14.6350 120.9930 192.4 3.0 5 88.12 94.21 m i ke BGR
70811008

Magnitude Err Nsta Author OrigID
mb 6.4 BGR 70811008

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 70811002.

BSEG	89.98	P	05:41:06.034	-0.1	65.6	4.62	TAS	233.9	1.07	m_e	mb	6.3
BUG	92.75	P	05:41:18.969	-0.2	65.6	4.62	TAS	195.3	1.21	m_e	mb	6.4
CLL	89.55	P	05:41:03.752	-0.4	65.6	4.62	TAS	212.2	1.21	m_e	mb	6.2
CLZ	90.84	P	05:41:10.447	0.3	65.6	4.62	TAS	393.6	1.64	m_e	mb	6.5
FBE	89.50	P	05:41:04.056	0.1	65.6	4.62	TAS	380.5	1.26	m_e	mb	6.5
FBE	89.50	pP	05:41:52.419	-0.1			T__				m_e	
FLT1	90.15	P	05:41:06.415	-0.5	65.6	4.62	TAS	205.3	1.51	m_e	mb	6.1
FUR	91.84	P	05:41:14.843	-0.0	65.6	4.62	TAS	575.2	1.47	m_e	mb	6.7
GEC2	90.09	P	05:41:06.719	0.0	65.6	4.62	TAS	318.5	1.50	m_e	mb	6.3
GOR1	89.84	P	05:41:05.654	0.2	65.6	4.62	TAS	404.6	1.48	m_e	mb	6.4
GRA1	91.25	P	05:41:12.273	0.1	65.6	4.62	TAS	400.5	1.61	m_e	mb	6.5
GRB5	91.21	PP	05:44:51.100				T__				m_e	
GTTG	91.19	P	05:41:12.074	0.3	65.6	4.62	TAS	345.2	1.54	m_e	mb	6.5
GUNZ	90.32	P	05:41:07.784	0.1	65.6	4.62	TAS	258.7	1.27	m_e	mb	6.3
GUNZ	90.32	pP	05:41:54.761	-0.1			T__				m_e	
IBBN	92.08	P	05:41:15.849	0.1	65.6	4.62	TAS	295.9	1.37	m_e	mb	6.4
KAST	92.21	P	05:41:16.610	0.2	65.6	4.62	TAS	235.0	1.59	m_e	mb	6.3
MANZ	90.60	P	05:41:09.306	0.3	65.6	4.62	TAS	80.9	1.67	m_e	mb	5.8
MOX	90.62	P	05:41:09.230	0.1	65.6	4.62	TAS	234.6	1.46	m_e	mb	6.3
NEUB	90.31	P	05:41:07.471	-0.2	65.6	4.62	TAS	307.3	1.41	m_e	mb	6.3
NRDL	90.71	P	05:41:09.763	0.2	65.6	4.62	TAS	281.6	1.46	m_e	mb	6.4
RETH	91.01	P	05:41:10.752	-0.2	65.6	4.62	TAS	227.4	1.52	m_e	mb	6.3
RGN	88.12	P	05:40:57.437	-0.1	65.6	4.62	TAS	374.6	1.11	m_e	mb	6.6
RJOB	91.08	P	05:41:11.056	-0.2	65.6	4.62	TAS	193.2	1.12	m_e	mb	6.3
ROTZ	90.63	P	05:41:09.458	0.3	65.6	4.62	TAS	77.1	1.45	m_e	mb	5.8
RUE	88.66	P	05:40:59.968	-0.1	65.6	4.62	TAS	590.6	1.15	m_e	mb	6.7
STU	92.84	P	05:41:19.313	-0.5	65.6	4.62	TAS	898.6	1.56	m_e	mb	7.0
TANN	90.22	P	05:41:07.252	-0.0	65.6	4.62	TAS	214.0	1.40	m_e	mb	6.2
TNS	92.64	P	05:41:18.664	0.0	65.6	4.62	TAS	183.4	1.25	m_e	mb	6.4
UBR	92.76	P	05:41:18.816	-0.1	65.6	4.62	TAS	403.3	1.46	m_e	mb	6.6
WERD	90.30	P	05:41:07.556	-0.1	65.6	4.62	TAS	194.1	1.29	m_e	mb	6.2
WERN	90.32	P	05:41:07.708	-0.0	65.6	4.62	TAS	206.0	1.36	m_e	mb	6.2
WET	90.47	P	05:41:08.676	0.2	65.6	4.62	TAS	232.8	1.42	m_e	mb	6.2
WLF	94.21	P	05:41:26.044		65.6	4.62	TAS	326.3	1.20	m_e	mb	6.5

Event 70811006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/11	18:54:04.30			-20.0320	170.3340				33.0			14		145.01	148.25	m i ke	BGR
	70811012																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.25		PKPbc	19:13:46.251		36.8		3.15		TAS				m_e	
FUR	147.23		PKPbc	19:13:43.840		36.8		3.15		TAS				m_e	

GEC2	145.67	PKPbc	19:13:38.579	36.8	3.15	TAS	m_e
GRA1	146.04	PKPbc	19:13:40.159	36.8	3.15	TAS	m_e
GUNZ	145.07	PKPbc	19:13:36.597	36.8	3.15	TAS	m_e
IBBN	145.04	PKPbc	19:13:36.836	36.8	3.15	TAS	m_e
MANZ	145.46	PKPbc	19:13:37.982	36.8	3.15	TAS	m_e
RJOB	146.90	PKPbc	19:13:42.594	36.8	3.15	TAS	m_e
ROTZ	145.59	PKPbc	19:13:38.339	36.8	3.15	TAS	m_e
STU	147.56	PKPbc	19:13:44.343	36.8	3.15	TAS	m_e
TNS	146.62	PKPbc	19:13:41.883	36.8	3.15	TAS	m_e
WERD	145.01	PKPbc	19:13:36.425	36.8	3.15	TAS	m_e
WERN	145.11	PKPbc	19:13:36.748	36.8	3.15	TAS	m_e
WLF	147.85	PKPbc	19:13:45.953	36.8	3.15	TAS	m_e

Event 70811007 Near coast of Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/11	21:45:08.70			-16.3100	-73.5400				40.0			33		95.77	100.91	m i ke	EMSC
	70811039																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.0		BGR	70811013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	96.60		Pdiff	21:58:32.825	-1.2					T__					a_e
ASSE	99.21		Pdiff	21:58:46.725	0.3					T__					a_e
BFO	96.73		Pdiff	21:58:34.425	-0.2					T__					a_e
BRG	100.91		Pdiff	21:58:54.275	-0.0					T__					a_e
BSEG	99.46		Pdiff	21:58:47.225	-0.4					T__					a_e
BUG	96.99		Pdiff	21:58:35.975	0.1					T__					a_e
CLL	100.42		Pdiff	21:58:51.875	-0.2					T__					a_e
CLZ	98.96		Pdiff	21:58:45.375	0.2					T__					a_e
FBE	100.55		Pdiff	21:58:52.825	0.2					T__					a_e
FLT1	99.60		Pdiff	21:58:47.725	-0.5					T__					a_e
FUR	98.58		Pdiff	21:58:43.325	-0.0					T__					a_e
GEC2	100.31		Pdiff	21:58:50.925	-0.6					T__					a_e
GOR1	99.80		Pdiff	21:58:48.975	-0.2					T__					a_e
GRA1	98.93		Pdiff	21:58:45.075	0.1					T__					a_e
GRA1	98.93		L	22:39:00.614						T__		422.9	21.30	a_e Ms	4.9
GTTG	98.64		Pdiff	21:58:43.825	0.2					T__					a_e
GUNZ	99.79		Pdiff	21:58:49.275	0.2					T__					a_e
IBBN	97.53		Pdiff	21:58:38.475	-0.0					T__					a_e
KAST	97.61		Pdiff	21:58:38.725	-0.1					T__					a_e
MANZ	99.56		Pdiff	21:58:48.175	0.2					T__					m_e
MOX	99.42		Pdiff	21:58:47.375	0.1					T__					a_e
MOX	99.42		L	22:41:25.561						T__		697.9	19.20	a_e Ms	5.2
NEUB	99.64		Pdiff	21:58:48.525	0.1					T__					a_e



NRDL	98.97	Pdiff	21:58:45.575	0.3	T__	a_e
RETH	98.59	Pdiff	21:58:43.825	0.3	T__	a_e
RJOB	99.47	Pdiff	21:58:47.275	-0.2	T__	a_e
ROTZ	99.57	Pdiff	21:58:48.025	0.0	T__	a_e
STU	97.41	Pdiff	21:58:37.625	-0.2	T__	a_e
TANN	99.88	Pdiff	21:58:49.775	0.3	T__	m_e
TNS	97.35	Pdiff	21:58:37.775	0.2	T__	a_e
UBR	97.70	Pdiff	21:58:39.525	0.4	T__	a_e
WERD	99.80	Pdiff	21:58:49.125	0.1	T__	a_e
WERN	99.80	Pdiff	21:58:49.375	0.3	T__	a_e
WET	99.85	Pdiff	21:58:49.175	-0.1	T__	a_e
WLF	95.77	Pdiff	21:58:30.675	0.6	T__	a_e

Event 70812001 Off coast of central Chile

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/12	12:54:13.00			-30.0820	-72.1180				6.0			30		105.34	110.37	m i ke	NEIC
	70812040																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.5		BGR	70812007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	106.28		PP	13:12:45.811	-1.4	242.8		7.44		TAS					a_e	
ASSE	109.00		PP	13:13:07.211	-0.7	242.8		7.44		TAS					a_e	
BFO	105.99		PP	13:12:45.311	1.0	242.8		7.44		TAS					a_e	
BRG	110.37		PP	13:13:17.161		242.8		7.44		TAS					a_e	
BSEG	109.56		PP	13:13:12.191		242.8		7.44		TAS					m_e	
BUG	106.80		PP	13:12:50.861	-0.6	242.8		7.44		TAS					a_e	
CLL	110.00		PP	13:13:13.411		242.8		7.44		TAS					a_e	
CLZ	108.71		PP	13:13:06.310	-0.1	242.8		7.44		TAS					m_e	
FLT1	109.40		PP	13:13:10.111	-1.2	242.8		7.44		TAS					a_e	
FUR	107.68		PP	13:12:56.911	0.3	242.8		7.44		TAS					a_e	
GEC2	109.43		PP	13:13:09.711	0.0	242.8		7.44		TAS					a_e	
GOR1	109.71		PP	13:13:13.368		242.8		7.44		TAS					m_e	
GRA1	108.30		PP	13:13:01.311	-0.3	242.8		7.44		TAS					m_e	
GRA1	108.30		L	13:56:03.965						T__		1126.8	20.80	a_e	Ms	5.4
GTTG	108.36		PP	13:13:02.661	-0.1	242.8		7.44		TAS					a_e	
IBBN	107.46		PP	13:12:56.311	-0.3	242.8		7.44		TAS					a_e	
KAST	107.33		PP	13:12:54.911	-0.3	242.8		7.44		TAS					a_e	
MANZ	108.94		PP	13:13:06.211	-0.5	242.8		7.44		TAS					a_e	
MOX	108.92		PP	13:13:06.461	-0.2	242.8		7.44		TAS					a_e	
MOX	108.92		L	14:00:15.383						T__		1443.8	18.00	a_e	Ms	5.6
NEUB	109.24		PP	13:13:08.811	0.1	242.8		7.44		TAS					a_e	
NRDL	108.84		PP	13:13:06.611	0.6	242.8		7.44		TAS					a_e	
PLN	109.18		PP	13:13:07.861	-0.2	242.8		7.44		TAS					a_e	

RETH	108.53	PP	13:13:08.662	0.8	242.8	7.44	TAS	m_e
RJOB	108.43	PP	13:13:01.811	4.1	242.8	7.44	TAS	a_e
ROTZ	108.91	PP	13:13:06.711	-0.1	242.8	7.44	TAS	a_e
STU	106.70	PP	13:12:50.511	0.8	242.8	7.44	TAS	a_e
TANN	109.32	PP	13:13:09.561	0.1	242.8	7.44	TAS	a_e
TNS	106.92	PP	13:12:51.211	-0.5	242.8	7.44	TAS	a_e
UBR	106.76	PP	13:12:50.711	0.9	242.8	7.44	TAS	a_e
WET	109.05	PP	13:13:06.311	-0.4	242.8	7.44	TAS	a_e
WLF	105.34	PP	13:12:39.211	-0.9	242.8	7.44	TAS	a_e

Event 70812002 Eastern Xizang-India border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/12	17:10:01.89			28.9440	93.8710				33.0			33		61.99	67.13	m i ke	BGR
70812008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70812008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	63.70	P		17:20:29.257	-0.2	75.3		6.59		TAS		42.8	2.11	m_e mb	5.3
BFO	66.17	P		17:20:45.822		75.3		6.59		TAS		24.5	1.46	m_e mb	5.2
BRG	61.99	P		17:20:18.114	-1.0	75.3		6.59		TAS		8.1	0.99	m_e mb	4.9
BSEG	63.48	P		17:20:28.052	0.1	75.3		6.59		TAS		22.9	1.28	m_e mb	5.2
BUG	65.92	P		17:20:44.740		75.3		6.59		TAS		5.9	0.63	m_e mb	5.0
CLL	62.48	P		17:20:20.280	-0.2	75.3		6.59		TAS		4.2	1.07	m_e mb	4.6
CLZ	63.95	P		17:20:30.622	0.2	75.3		6.59		TAS		11.1	0.96	m_e mb	5.1
FBE	62.35	P		17:20:20.423	-0.4	75.3		6.59		TAS		7.2	0.98	m_e mb	4.9
FLT1	63.31	P		17:20:25.841	0.2	75.3		6.59		TAS		28.4	1.56	m_e mb	5.2
FUR	64.33	P		17:20:33.799	0.6	75.3		6.59		TAS		35.1	1.05	m_e mb	5.5
GEC2	62.59	P		17:20:21.649	-0.8	75.3		6.59		TAS		10.8	1.03	m_e mb	4.9
GOR1	63.12	P		17:20:24.410	0.6	75.3		6.59		TAS		64.4	1.80	m_e mb	5.5
GRA1	63.96	P		17:20:31.179	-0.1	75.3		6.59		TAS		11.8	1.08	m_e mb	5.0
GTTG	64.27	P		17:20:33.144	0.4	75.3		6.59		TAS		7.7	0.84	m_e mb	5.0
GUNZ	63.11	P		17:20:25.543	0.4	75.3		6.59		TAS		8.8	0.97	m_e mb	4.9
KAST	65.30	P		17:20:40.363	0.2	75.3		6.59		TAS		4.1	1.00	m_e mb	4.6
MANZ	63.34	P		17:20:27.162	0.4	75.3		6.59		TAS		1.6	1.14	m_e mb	4.0
MOX	63.48	P		17:20:28.257	0.1	75.3		6.59		TAS		9.3	1.25	m_e mb	4.8
NEUB	63.26	P		17:20:26.725	0.2	75.3		6.59		TAS		26.9	1.36	m_e mb	5.2
NRDL	63.95	P		17:20:30.141	0.1	75.3		6.59		TAS		20.0	1.21	m_e mb	5.2
PLN	63.18	P		17:20:25.867	-0.8	75.3		6.59		TAS		5.3	1.05	m_e mb	4.6
RETH	64.33	P		17:20:33.023	0.3	75.3		6.59		TAS		16.8	1.32	m_e mb	5.1
RJOB	63.45	P		17:20:27.644	-0.6	75.3		6.59		TAS		29.3	1.61	m_e mb	5.2
ROTZ	63.33	P		17:20:27.070	0.7	75.3		6.59		TAS		5.2	1.20	m_e mb	4.5
SLE	66.23	P		17:20:45.096		75.3		6.59		TAS		11.2	0.88	m_e mb	5.1
STU	65.49	P		17:20:41.462	-0.9	75.3		6.59		TAS		94.4	1.62	m_e mb	5.8

SULZ	66.55	P	17:20:47.174		75.3	6.59	TAS	23.8	0.91	m_e	mb	5.4
TANN	63.01	P	17:20:24.570	0.5	75.3	6.59	TAS	8.0	1.07	m_e	mb	4.8
UBR	65.21	P	17:20:39.579	0.9	75.3	6.59	TAS	10.9	1.08	m_e	mb	5.0
WERD	63.10	P	17:20:25.415	-0.1	75.3	6.59	TAS	5.6	0.92	m_e	mb	4.7
WERN	63.10	P	17:20:25.953	0.1	75.3	6.59	TAS	9.2	1.13	m_e	mb	4.8
WET	63.05	P	17:20:25.522	0.0	75.3	6.59	TAS	8.3	0.99	m_e	mb	4.8
WLF	67.13	P	17:20:51.620		75.3	6.59	TAS	27.8	1.13	m_e	mb	5.4

Event 70812003 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/12	18:09:35.80			-4.2970	152.9420				35.0			35		121.36	126.78	m i ke	NEIC
	70812042																

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	70812009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	125.73		PKPdf	18:28:32.343	-0.1	48.4		1.88		TAS				a_e	
ASSE	123.01		PKPdf	18:28:28.693	0.2	48.4		1.88		TAS				a_e	
BFO	126.72		PKPdf	18:28:35.493	0.4	48.4		1.88		TAS				a_e	
BRG	122.31		PKPdf	18:28:27.493	-1.5	48.4		1.88		TAS				m_e	
BSEG	121.91		PKPdf	18:28:26.643	0.2	48.4		1.88		TAS				a_e	
BUG	124.99		PKPdf	18:28:32.393	0.2	48.4		1.88		TAS				a_e	
CLL	122.48		PKPdf	18:28:27.393	-0.1	48.4		1.88		TAS				a_e	
CLZ	123.34		PKPdf	18:28:29.593	-0.1	48.4		1.88		TAS				a_e	
FBE	122.56		PKPdf	18:28:28.043	-0.1	48.4		1.88		TAS				a_e	
FLT1	122.62		PKPdf	18:28:27.643	0.2	48.4		1.88		TAS				a_e	
FUR	125.38		PKPdf	18:28:33.243	-0.1	48.4		1.88		TAS				a_e	
GEC2	123.70		PKPdf	18:28:29.993	-0.2	48.4		1.88		TAS				a_e	
GOR1	122.14		PKPdf	18:28:27.343	0.2	48.4		1.88		TAS				a_e	
GRA1	124.40		PKPdf	18:28:31.343	-0.2	48.4		1.88		TAS				a_e	
GRA1	124.40		L	19:18:56.712						T__		1173.2	19.60	a_e	Ms 5.6
GTTG	123.73		PKPdf	18:28:30.243	-0.4	48.4		1.88		TAS				a_e	
GUNZ	123.42		PKPdf	18:28:29.693	0.1	48.4		1.88		TAS				a_e	
IBBN	124.16		PKPdf	18:28:30.943	-0.0	48.4		1.88		TAS				a_e	
KAST	124.67		PKPdf	18:28:31.993	0.1	48.4		1.88		TAS				a_e	
MANZ	123.78		PKPdf	18:28:30.343	0.9	48.4		1.88		TAS				a_e	
MOX	123.58		PKPdf	18:28:29.693	-0.1	48.4		1.88		TAS				a_e	
MOX	123.58		L	19:17:10.193						T__		1490.9	18.20	a_e	Ms 5.7
NEUB	123.14		PKPdf	18:28:28.843	0.0	48.4		1.88		TAS				a_e	
NRDL	123.01		PKPdf	18:28:28.943	0.1	48.4		1.88		TAS				a_e	
PLN	123.42		PKPdf	18:28:29.493	0.0	48.4		1.88		TAS				a_e	
RETH	123.16		PKPdf	18:28:29.243	-0.1	48.4		1.88		TAS				a_e	
RJOB	124.87		PKPdf	18:28:32.843		48.4		1.88		TAS				a_e	
ROTZ	123.87		PKPdf	18:28:30.343	-0.1	48.4		1.88		TAS				a_e	

RUE	121.36	PKPdf	18:28:25.493	-0.3	48.4	1.88	TAS	a_e
STU	126.00	PKPdf	18:28:34.543	-0.1	48.4	1.88	TAS	a_e
TANN	123.32	PKPdf	18:28:29.393	0.1	48.4	1.88	TAS	a_e
TNS	125.35	PKPdf	18:28:33.243	-0.1	48.4	1.88	TAS	a_e
UBR	126.29	PKPdf	18:28:34.893		48.4	1.88	TAS	a_e
WERD	123.38	PKPdf	18:28:29.393	0.1	48.4	1.88	TAS	a_e
WERN	123.45	PKPdf	18:28:29.693	0.1	48.4	1.88	TAS	a_e
WET	123.94	PKPdf	18:28:30.743	0.1	48.4	1.88	TAS	a_e
WLF	126.78	PKPdf	18:28:36.643	0.1	48.4	1.88	TAS	a_e

Event 70812004 Kyushu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/12	18:23:48.80		30.3960	131.0510					33.0			37		83.23	84.05	m i ke	BGR
70812010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70812010
Ms	5.3		BGR	70812010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	84.05		P	18:36:15.126		53.5		4.38		TAS		6.4	0.85	m_e	mb 4.9
GRA1	84.05		L	19:18:56.694						T__		1173.2	19.60	a_e	Ms 5.3
MOX	83.23		L	19:17:10.180						T__		1490.9	18.20	a_e	Ms 5.4

Event 70813001 Southern Sumatera, Indonesia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/13	03:07:52.40		-2.7220	105.8910					33.0			30		93.33	98.37	m i	BGR
70813007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	70813007
MBB	6.8		BGR	70813007
Ms	6.2		BGR	70813007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	97.70		S	03:32:45.584		91.8		8.75		TAS				a_e	
AHRW	97.70		P	03:21:32.921	-0.2	92.1		4.50		TAS		93.4	1.32	m_e	MBB 7.0
AHRW	97.70		PP	03:25:21.855		88.2		7.77		TAS				a_e	
ASSE	95.34		S	03:32:25.134	-1.3	91.8		8.75		TAS				a_e	
ASSE	95.34		P	03:21:22.889	-0.2	92.1		4.50		TAS		141.0	1.47	a_e	MBB 6.7
ASSE	95.34		PP	03:25:03.755	-0.0	88.2		7.77		TAS				a_e	

BFO	97.06	S	03:32:38.984		91.8	8.75	TAS			a_e		
BFO	97.06	P	03:21:29.289	-0.3	92.1	4.50	TAS	41.5	1.07	a_e	MBB	6.9
BFO	97.06	PP	03:25:16.755		88.2	7.77	TAS			a_e		
BRG	93.33	S	03:32:08.434	0.3	91.8	8.75	TAS			a_e		
BRG	93.33	P	03:21:13.889	0.2	92.1	4.50	TAS	667.3	1.68	a_e	MBB	7.0
BRG	93.33	PP	03:24:48.905	1.1	88.2	7.77	TAS			a_e		
BSEG	95.47	S	03:32:29.484	0.1	91.8	8.75	TAS			a_e		
BSEG	95.47	P	03:21:24.189	-0.1	92.1	4.50	TAS	90.1	1.20	a_e	MBB	6.9
BUG	97.50	S	03:32:45.634		91.8	8.75	TAS			a_e		
BUG	97.50	P	03:21:32.489	-0.0	92.1	4.50	TAS	52.1	1.10	a_e	MBB	6.8
CLL	93.92	S	03:32:12.834	1.0	91.8	8.75	TAS			a_e		
CLL	93.92	P	03:21:16.139	-0.3	92.1	4.50	TAS	226.3	1.46	a_e	MBB	6.7
CLL	93.92	PP	03:24:53.005	0.5	88.2	7.77	TAS			a_e		
CLZ	95.54	S	03:32:27.384	0.6	91.8	8.75	TAS			a_e		
CLZ	95.54	P	03:21:23.989	0.1	92.1	4.50	TAS	138.2	1.41	a_e	MBB	6.9
FBE	93.70	P	03:21:15.539	0.2	92.1	4.50	TAS	436.4	1.50	a_e	MBB	6.8
FLT1	94.99	S	03:32:21.984	-0.7	91.8	8.75	TAS			a_e		
FLT1	94.99	P	03:21:20.839	-0.7	92.1	4.50	TAS	300.1	2.07	a_e	MBB	6.8
FLT1	94.99	PP	03:25:00.205	1.1	88.2	7.77	TAS			a_e		
FUR	95.10	S	03:32:20.584	-0.3	91.8	8.75	TAS			a_e		
FUR	95.10	P	03:21:20.339	-0.4	92.1	4.50	TAS	229.3	1.23	a_e	MBB	6.8
FUR	95.10	PP	03:25:00.555	-1.2	88.2	7.77	TAS			a_e		
GEC2	93.48	S	03:32:08.584	0.3	91.8	8.75	TAS			a_e		
GEC2	93.48	P	03:21:13.839	0.1	92.1	4.50	TAS	835.8	1.63	a_e	MBB	7.1
GEC2	93.48	PP	03:24:48.705	-0.3	88.2	7.77	TAS			a_e		
GOR1	94.92	P	03:21:21.339	-0.2	92.1	4.50	TAS	305.8	1.65	a_e	MBB	6.9
GOR1	94.92	PP	03:24:59.805	-0.8	88.2	7.77	TAS			a_e		
GRA1	95.09	S	03:32:24.384	-0.1	91.8	8.75	TAS			a_e		
GRA1	95.09	P	03:21:21.639	0.5	92.1	4.50	TAS	727.2	1.85	a_e	MBB	7.0
GRA1	95.09	PP	03:25:02.005	-1.1	88.2	7.77	TAS			a_e		
GRA1	95.09	L	04:12:49.942				T__	7761.1	20.90	a_e	Ms	6.2
GTTG	95.81	S	03:32:29.884	0.2	91.8	8.75	TAS			a_e		
GTTG	95.81	P	03:21:24.989	-0.0	92.1	4.50	TAS	102.1	1.25	a_e	MBB	6.8
GUNZ	94.36	P	03:21:18.189	0.1	92.1	4.50	TAS	268.3	1.55	a_e	MBB	6.5
HLG	96.89	S	03:32:41.434	0.3	91.8	8.75	TAS			a_e		
IBBN	97.12	S	03:32:41.934		91.8	8.75	TAS			a_e		
IBBN	97.12	P	03:21:31.089	-0.0	92.1	4.50	TAS	90.2	1.06	a_e	MBB	7.0
KAST	96.80	S	03:32:39.284	0.6	91.8	8.75	TAS			a_e		
KAST	96.80	P	03:21:29.489	0.2	92.1	4.50	TAS	60.3	1.14	a_e	MBB	6.9
MANZ	94.51	S	03:32:19.984	-1.6	91.8	8.75	TAS			a_e		
MANZ	94.51	P	03:21:19.289	0.6	92.1	4.50	TAS	188.9	1.76	a_e	MBB	6.4
MANZ	94.51	PP	03:24:57.405	-0.5	88.2	7.77	TAS			a_e		
MOX	94.81	S	03:32:21.534	0.8	91.8	8.75	TAS			a_e		
MOX	94.81	P	03:21:20.339	0.1	92.1	4.50	TAS	108.2	1.26	a_e	MBB	6.8
MOX	94.81	PP	03:24:59.705	0.2	88.2	7.77	TAS			a_e		
MOX	94.81	L	04:10:57.810				T__	10182.9	21.90	a_e	Ms	6.2
NEUB	94.69	S	03:32:19.534	-1.3	91.8	8.75	TAS			m_e		
NEUB	94.69	P	03:21:19.739	-0.1	92.1	4.50	TAS	548.1	1.68	a_e	MBB	6.9
NEUB	94.69	PP	03:24:58.605	-0.6	88.2	7.77	TAS			a_e		

NRDL	95.67	S	03:32:29.484	0.8	91.8	8.75	TAS							a_e		
NRDL	95.67	P	03:21:24.939	0.2	92.1	4.50	TAS	86.4	1.12	a_e	MBB	7.0				
NRDL	95.67	PP	03:25:04.905		88.2	7.77	TAS			a_e						
PLN	94.46	P	03:21:18.689	0.1	92.1	4.50	TAS	344.8	1.84	a_e	MBB	6.7				
PLN	94.46	PP	03:24:56.955	0.5	88.2	7.77	TAS			a_e						
RETH	96.11	P	03:21:26.639	-0.1	92.1	4.50	TAS	68.6	1.21	a_e	MBB	6.8				
RETH	96.11	PP	03:25:08.455		88.2	7.77	TAS			a_e						
RGN	93.69	S	03:32:13.634	0.2	91.8	8.75	TAS			a_e						
RGN	93.69	P	03:21:16.439	-0.1	92.1	4.50	TAS	307.7	1.34	a_e	MBB	6.9				
RJOB	94.08	S	03:32:11.634	1.3	91.8	8.75	TAS			a_e						
RJOB	94.08	P	03:21:15.302	-0.8	92.1	4.50	TAS	258.8	1.42	m_e	MBB	6.7				
RJOB	94.08	PP	03:24:52.755	-0.4	88.2	7.77	TAS			a_e						
ROTZ	94.45	S	03:32:19.184	-1.5	91.8	8.75	TAS			a_e						
ROTZ	94.45	P	03:21:18.789	0.5	92.1	4.50	TAS	98.7	1.64	a_e	MBB	6.2				
ROTZ	94.45	PP	03:24:56.955	-1.0	88.2	7.77	TAS			a_e						
RUE	93.43	S	03:32:08.334	-1.6	91.8	8.75	TAS			a_e						
RUE	93.43	P	03:21:14.639	-0.0	92.1	4.50	TAS	658.2	1.41	a_e	MBB	7.2				
RUE	93.43	PP	03:24:48.555	-0.1	88.2	7.77	TAS			a_e						
STU	96.46	S	03:32:34.434	-0.3	91.8	8.75	TAS			a_e						
STU	96.46	P	03:21:26.989	-0.0	92.1	4.50	TAS	190.7	1.14	a_e	MBB	7.3				
STU	96.46	PP	03:25:11.305		88.2	7.77	TAS			a_e						
TANN	94.27	S	03:32:17.384	1.9	91.8	8.75	TAS			a_e						
TANN	94.27	P	03:21:17.839	0.1	92.1	4.50	TAS	106.7	1.27	a_e	MBB	6.7				
TANN	94.27	PP	03:24:55.655	0.3	88.2	7.77	TAS			m_e						
TNS	96.85	S	03:32:39.434	-0.7	91.8	8.75	TAS			a_e						
TNS	96.85	P	03:21:29.489	0.2	92.1	4.50	TAS	135.4	1.11	a_e	MBB	7.0				
TNS	96.85	PP	03:25:16.305		88.2	7.77	TAS			a_e						
UBR	95.90	S	03:32:27.634	-0.4	91.8	8.75	TAS			a_e						
UBR	95.90	P	03:21:23.989	-0.2	92.1	4.50	TAS	74.2	1.11	a_e	MBB	6.9				
WERD	94.37	P	03:21:18.139	-0.1	92.1	4.50	TAS	338.2	1.83	m_e	MBB	6.5				
WERN	94.33	P	03:21:18.139	0.2	92.1	4.50	TAS	91.5	1.18	a_e	MBB	6.5				
WET	94.02	S	03:32:14.234	-1.4	91.8	8.75	TAS			a_e						
WET	94.02	P	03:21:16.439	0.2	92.1	4.50	TAS	542.4	1.60	a_e	MBB	6.9				
WET	94.02	PP	03:24:52.755	0.6	88.2	7.77	TAS			a_e						
WLF	98.37	S	03:32:52.034		91.8	8.75	TAS			a_e						
WLF	98.37	P	03:21:36.339	0.4	92.1	4.50	TAS	73.0	1.26	m_e	MBB	7.0				
WLF	98.37	PP	03:25:27.805		88.2	7.77	TAS			a_e						

Event 70813002 Ascension Island region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/13	06:19:27.58			-5.4690	-11.4290				10.0			35		56.22	61.94	m i ke	BGR
70813008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70813008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	58.03		P	06:29:21.054	-1.0	206.7		6.98		TAS		33.6	1.25	a_e mb	5.2
ASSE	60.39		P	06:29:38.654	-0.1	206.7		6.98		TAS		24.0	1.57	a_e mb	5.0
BFO	56.31		P	06:29:10.054	-0.2	206.7		6.98		TAS		45.1	1.27	a_e mb	5.4
BRG	60.22		P	06:29:37.504	-0.0	206.7		6.98		TAS		21.0	1.23	a_e mb	5.0
BSEG	61.94		P	06:29:48.704	-0.7	206.7		6.98		TAS		25.9	0.99	a_e mb	5.4
BUG	58.91		P	06:29:28.204	0.1	206.7		6.98		TAS		24.7	1.45	a_e mb	5.0
CLL	60.31		P	06:29:37.954	-0.3	206.7		6.98		TAS		25.4	1.51	a_e mb	5.0
CLZ	60.05		P	06:29:36.304	-0.0	206.7		6.98		TAS		48.0	1.63	a_e mb	5.3
FBE	60.08		P	06:29:36.504	-0.1	206.7		6.98		TAS		12.6	1.02	a_e mb	4.9
FLT1	60.73		P	06:29:40.854	-0.2	206.7		6.98		TAS		81.3	1.71	a_e mb	5.3
FUR	57.01		P	06:29:15.354	0.2	206.7		6.98		TAS		59.0	1.05	a_e mb	5.5
GEC2	58.38		P	06:29:25.154	0.6	206.7		6.98		TAS		43.6	1.05	a_e mb	5.4
GOR1	61.34		P	06:29:45.554	0.2	206.7		6.98		TAS		103.1	1.34	a_e mb	5.5
GRA1	58.35		P	06:29:24.504	-0.1	206.7		6.98		TAS		33.1	1.26	a_e mb	5.2
GTTG	59.68		P	06:29:34.154	0.5	206.7		6.98		TAS		39.0	1.26	a_e mb	5.3
GUNZ	59.28		P	06:29:30.954	-0.1	206.7		6.98		TAS		57.4	1.38	a_e mb	5.4
IBBN	59.83		P	06:29:34.754	0.2	206.7		6.98		TAS		31.9	1.30	a_e mb	5.2
KAST	58.97		P	06:29:28.904	0.2	206.7		6.98		TAS		48.1	1.73	a_e mb	5.2
MANZ	58.88		P	06:29:28.304	0.1	206.7		6.98		TAS		9.9	1.26	a_e mb	4.7
MOX	59.32		P	06:29:31.254	-0.0	206.7		6.98		TAS		45.8	1.39	a_e mb	5.3
NEUB	59.86		P	06:29:34.904	-0.1	206.7		6.98		TAS		31.2	1.02	a_e mb	5.3
NRDL	60.58		P	06:29:40.504	0.6	206.7		6.98		TAS		42.3	1.39	a_e mb	5.1
PLN	59.34		P	06:29:31.204	-0.2	206.7		6.98		TAS		16.8	0.94	a_e mb	5.1
RETH	60.61		P	06:29:40.804	0.7	206.7		6.98		TAS		88.1	2.13	a_e mb	5.2
RJOB	57.11		P	06:29:15.554	-0.2	206.7		6.98		TAS		13.1	0.70	a_e mb	5.1
ROTZ	58.71		P	06:29:27.104	0.1	206.7		6.98		TAS		7.7	1.24	a_e mb	4.6
RUE	61.57		P	06:29:46.654	-0.4	206.7		6.98		TAS		56.6	1.28	a_e mb	5.6
STU	56.95		P	06:29:14.354	-0.3	206.7		6.98		TAS		51.1	1.06	a_e mb	5.5
TANN	59.36		P	06:29:31.604	0.0	206.7		6.98		TAS		32.3	1.07	a_e mb	5.3
TNS	58.07		P	06:29:22.504	0.0	206.7		6.98		TAS		22.1	0.95	a_e mb	5.2
UBR	56.22		P	06:29:09.604	-0.1	206.7		6.98		TAS		87.4	1.32	a_e mb	5.6
WERD	59.35		P	06:29:31.304	-0.2	206.7		6.98		TAS		30.9	1.21	a_e mb	5.2
WERN	59.23		P	06:29:30.654	0.0	206.7		6.98		TAS		39.6	1.33	a_e mb	5.3
WET	58.37		P	06:29:24.954	0.3	206.7		6.98		TAS		37.2	1.11	m_e mb	5.3
WLF	57.00		P	06:29:15.004	0.3	206.7		6.98		TAS		28.1	1.17	a_e mb	5.2

Event 70813003 Turkey  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
 OrigID  
 2017/08/13 11:16:52.30 1.92 1.38 37.0350 27.7970 58.9 47.8 1 10.0 39 342 13.66 20.78 m i ke NEIC  
 70813042

Magnitude Err Nsta Author OrigID  
 mb 4.6 BGR 70813009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	20.06		P	11:21:29.824	0.5	130.4		0.00		TAS		17.3	1.02	a_e mb	4.2
ARSA	13.66		P	11:20:09.399	-1.6	130.4		0.00		TAS		14.3	1.13	m_e	
ASSE	19.33		P	11:21:19.602	-1.2	130.4		0.00		TAS		31.2	1.47	m_e	
BFO	18.17		P	11:21:10.181	2.0	130.4		0.00		TAS		9.8	0.96	m_e	
BRG	17.01		P	11:20:54.674	1.2	130.4		0.00		TAS		36.1	1.54	a_e	
BSEG	20.78		P	11:21:36.492	0.2	130.4		0.00		TAS		136.6	1.80	m_e mb	5.0
BUG	20.48		P	11:21:34.624	0.9	130.4		0.00		TAS		32.4	1.48	a_e mb	4.3
CLL	17.73		P	11:21:02.174	-0.0	130.4		0.00		TAS		26.1	1.07	a_e	
CLZ	19.26		P	11:21:19.140	-1.0	130.4		0.00		TAS		43.6	1.37	m_e	
DAVA	16.74		P	11:20:51.550	0.6	130.4		0.00		TAS		21.8	1.01	m_e	
FBE	17.30		P	11:20:57.624	0.7	130.4		0.00		TAS		109.5	1.75	a_e	
FLT1	19.23		P	11:21:19.124	-0.4	130.4		0.00		TAS		44.5	1.57	a_e	
FUR	16.44		P	11:20:47.046	-0.1	130.4		0.00		TAS		76.0	1.61	m_e	
GEC2	15.65		P	11:20:39.618	2.9	130.4		0.00		TAS		57.7	1.44	m_e	
GOR1	19.68		P	11:21:22.724	-1.8	130.4		0.00		TAS				a_e	
GRA1	17.42		P	11:21:00.424	1.5	130.4		0.00		TAS		29.3	1.21	a_e	
GTTG	19.25		P	11:21:19.038	-1.0	130.4		0.00		TAS		74.0	1.27	m_e	
GUNZ	17.35		P	11:20:58.024	0.2	130.4		0.00		TAS		36.1	1.18	a_e	
IBBN	20.78		P	11:21:35.701	-1.0	130.4		0.00		TAS		78.8	1.42	m_e mb	4.8
KAST	19.77		P	11:21:26.375	0.4	130.4		0.00		TAS		45.0	1.65	m_e mb	4.4
KBA	14.67		P	11:20:22.256	-2.3	130.4		0.00		TAS		68.5	1.39	m_e	
MANZ	17.19		P	11:20:56.224	0.2	130.4		0.00		TAS		18.9	1.66	a_e	
MOX	17.87		P	11:21:03.772	-0.3	130.4		0.00		TAS		69.0	1.36	m_e	
NEUB	18.18		P	11:21:10.498	2.8	130.4		0.00		TAS		34.6	1.14	m_e	
NRDL	19.83		P	11:21:23.887	-2.5	130.4		0.00		TAS		72.6	1.51	m_e mb	4.7
OBKA	13.67		P	11:20:09.433	-1.9	130.4		0.00		TAS		10.4	0.94	m_e	
PLN	17.51		P	11:20:59.924	0.1	130.4		0.00		TAS		48.6	1.24	a_e	
RETH	20.33		P	11:21:30.374	-1.4	130.4		0.00		TAS		43.7	1.37	a_e mb	4.5
RJOB	15.37		P	11:20:35.129	1.6	130.4		0.00		TAS		4.7	0.79	m_e	
ROTZ	16.99		P	11:20:52.080	-1.5	130.4		0.00		TAS		8.5	1.52	m_e	
RUE	18.32		P	11:21:11.591	2.8	130.4		0.00		TAS		51.5	1.12	m_e	
STU	17.93		P	11:21:06.457	1.2	130.4		0.00		TAS		57.2	1.10	m_e	
TANN	17.32		P	11:20:57.774	0.3	130.4		0.00		TAS		66.1	1.50	m_e	
TNS	19.16		P	11:21:18.447	-0.9	130.4		0.00		TAS		60.8	1.43	m_e	
UBR	16.82		P	11:20:51.040	-0.9	130.4		0.00		TAS		31.3	1.15	m_e	
WERD	17.42		P	11:20:58.674	0.1	130.4		0.00		TAS		27.0	1.14	a_e	
WERN	17.27		P	11:20:57.174	0.3	130.4		0.00		TAS		44.3	1.51	a_e	
WET	16.25		P	11:20:42.211	-2.2	130.4		0.00		TAS		72.3	1.67	m_e	
WLF	20.09		P	11:21:30.959	1.2	130.4		0.00		TAS		29.6	1.11	m_e mb	4.4

Event 70813006 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/13	16:37:17.63			-20.1480	170.0630				200.0			20		144.98	148.26	m i ke	BGR



70813012

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	148.26		PKPbc	16:56:38.999		37.3		3.18		TAS					m_e	
FUR	147.22		PKPbc	16:56:36.485		37.3		3.18		TAS					m_e	
GEC2	145.66		PKPbc	16:56:31.129		37.3		3.18		TAS					m_e	
GRA1	146.04		PKPbc	16:56:32.908		37.3		3.18		TAS					m_e	
GUNZ	145.07		PKPbc	16:56:29.604		37.3		3.18		TAS					m_e	
IBBN	145.07		PKPbc	16:56:29.553	0.2	37.3		3.18		TAS					m_e	
KAST	145.81		PKPbc	16:56:31.887	-0.3	37.3		3.18		TAS					m_e	
MANZ	145.45		PKPbc	16:56:30.741		37.3		3.18		TAS					m_e	
MOX	145.13		PKPbc	16:56:29.339	-0.1	37.3		3.18		TAS					m_e	
PLN	145.04		PKPbc	16:56:29.252		37.3		3.18		TAS					m_e	
RJOB	146.88		PKPbc	16:56:35.287		37.3		3.18		TAS					m_e	
ROTZ	145.59		PKPbc	16:56:31.300		37.3		3.18		TAS					m_e	
STU	147.57		PKPbc	16:56:37.594		37.3		3.18		TAS					m_e	
TANN	144.98		PKPbc	16:56:28.704		37.3		3.18		TAS					m_e	
TNS	146.63		PKPbc	16:56:34.979		37.3		3.18		TAS					m_e	
UBR	148.09		PKPbc	16:56:38.807		37.3		3.18		TAS					m_e	
WERD	145.01		PKPbc	16:56:29.187		37.3		3.18		TAS					m_e	
WERN	145.11		PKPbc	16:56:29.767		37.3		3.18		TAS					m_e	
WET	145.79		PKPbc	16:56:31.858		37.3		3.18		TAS					m_e	
WLF	147.87		PKPbc	16:56:38.765		37.3		3.18		TAS					m_e	

Event 70813007 Central Peru

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/13	16:51:23.80			-10.6440	-74.5620				30.0			29		92.09	97.35	m i ke	EMSC

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	70813013
Ms	5.3		BGR	70813013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	92.87		S	17:15:55.061	-0.3	263.0		9.12		TAS					a_e
AHRW	92.87		P	17:04:33.749	-0.8	259.9		4.78		TAS		18.0	1.35	m_e	mb 5.3
ASSE	95.40		S	17:16:17.211	-1.0	263.0		9.12		TAS					a_e
BFO	93.18		S	17:15:58.161	-1.1	263.0		9.12		TAS					a_e
BFO	93.18		P	17:04:35.346		259.9		4.78		TAS		9.3	1.36	m_e	mb 5.0
BRG	97.22		S	17:16:34.861		263.0		9.12		TAS					a_e
BRG	97.22		P	17:04:54.629	-0.4	259.9		4.78		TAS		12.4	1.56	m_e	mb 5.3
BSEG	95.52		S	17:16:17.111	0.1	263.0		9.12		TAS					a_e
BUG	93.19		S	17:15:58.261	0.4	263.0		9.12		TAS					a_e

CLL	96.70	S	17:16:30.211	263.0	9.12	TAS			a_e		
CLL	96.70	P	17:04:52.544	1.3 259.9	4.78	TAS	8.5	1.48	m_e mb	5.2	
CLZ	95.17	S	17:16:17.311	1.4 263.0	9.12	TAS			a_e		
CLZ	95.17	P	17:04:44.638	-0.0 259.9	4.78	TAS	22.7	1.59	m_e mb	5.4	
FBE	96.86	P	17:04:54.425	-0.1 259.9	4.78	TAS	13.0	1.43	m_e mb	5.4	
FLT1	95.78	S	17:16:21.061	1.0 263.0	9.12	TAS			m_e		
FLT1	95.78	P	17:04:47.626	-0.7 259.9	4.78	TAS	12.2	1.39	m_e mb	5.2	
FUR	95.08	S	17:16:16.261	1.2 263.0	9.12	TAS			a_e		
FUR	95.08	P	17:04:44.249	259.9	4.78	TAS	10.1	0.87	m_e mb	5.3	
GEC2	96.78	S	17:16:32.711	263.0	9.12	TAS			a_e		
GEC2	96.78	P	17:04:51.017	259.9	4.78	TAS	9.8	1.34	m_e mb	5.3	
GRA1	95.31	S	17:16:19.661	-0.7 263.0	9.12	TAS			a_e		
GRA1	95.31	P	17:04:46.196	259.9	4.78	TAS	90.9	2.60	m_e mb	5.7	
GRA1	95.31	L	17:45:37.164			T__	638.4	21.00	a_e Ms	5.1	
GTTG	94.86	S	17:16:14.311	-0.6 263.0	9.12	TAS			a_e		
GUNZ	96.13	P	17:04:50.558	-0.6 259.9	4.78	TAS	33.7	1.98	m_e mb	5.5	
HLG	94.16	S	17:16:04.661	-0.2 263.0	9.12	TAS			a_e		
KAST	93.84	S	17:16:04.211	-0.8 263.0	9.12	TAS			a_e		
KAST	93.84	P	17:04:40.042	1.2 259.9	4.78	TAS	11.7	1.53	m_e mb	5.0	
MANZ	95.93	S	17:16:23.961	0.6 263.0	9.12	TAS			a_e		
MANZ	95.93	P	17:04:49.422	259.9	4.78	TAS	9.0	1.91	m_e mb	5.0	
MOX	95.73	S	17:16:21.611	-0.2 263.0	9.12	TAS			a_e		
MOX	95.73	P	17:04:48.209	0.5 259.9	4.78	TAS	35.1	2.31	m_e mb	5.5	
MOX	95.73	L	17:51:30.562			T__	1319.0	18.80	a_e Ms	5.4	
NEUB	95.92	S	17:16:24.011	0.2 263.0	9.12	TAS			a_e		
NRDL	95.13	S	17:16:16.361	1.5 263.0	9.12	TAS			a_e		
PLN	96.04	P	17:04:50.110	-1.4 259.9	4.78	TAS	16.7	1.60	m_e mb	5.3	
RETH	94.73	P	17:04:43.401	0.8 259.9	4.78	TAS	9.1	1.29	m_e mb	5.0	
RGN	97.35	S	17:16:33.411	263.0	9.12	TAS			a_e		
RJOB	96.02	S	17:16:23.211	1.0 263.0	9.12	TAS			a_e		
RJOB	96.02	P	17:04:47.941	259.9	4.78	TAS	8.2	1.03	m_e mb	5.2	
ROTZ	95.96	S	17:16:24.711	-2.5 263.0	9.12	TAS			a_e		
ROTZ	95.96	P	17:04:48.650	259.9	4.78	TAS	1.7	1.11	m_e mb	4.5	
RUE	97.34	S	17:16:34.861	263.0	9.12	TAS			a_e		
STU	93.83	S	17:16:04.711	0.2 263.0	9.12	TAS			a_e		
TANN	96.22	S	17:16:27.261	-0.7 263.0	9.12	TAS			a_e		
TANN	96.22	P	17:04:50.456	0.1 259.9	4.78	TAS	16.2	1.38	m_e mb	5.4	
TNS	93.66	S	17:16:02.711	-0.0 263.0	9.12	TAS			a_e		
TNS	93.66	P	17:04:39.315	259.9	4.78	TAS	8.7	1.26	m_e mb	4.9	
UBR	94.22	S	17:16:09.011	1.1 263.0	9.12	TAS			a_e		
UBR	94.22	P	17:04:39.820	259.9	4.78	TAS	27.9	1.38	m_e mb	5.4	
WERD	96.13	P	17:04:49.785	0.1 259.9	4.78	TAS	9.4	1.41	m_e mb	5.1	
WERN	96.15	P	17:04:51.147	-0.2 259.9	4.78	TAS	11.2	1.36	m_e mb	5.2	
WET	96.29	S	17:16:28.311	-1.3 263.0	9.12	TAS			a_e		
WET	96.29	P	17:04:49.427	259.9	4.78	TAS	21.6	1.67	m_e mb	5.4	
WLF	92.09	S	17:15:48.461	-0.1 263.0	9.12	TAS			a_e		
WLF	92.09	P	17:04:30.138	259.9	4.78	TAS	25.4	1.23	m_e mb	5.4	

Event 70814002 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	00:19:22.31			48.5000	-27.2700				10.0			32		21.83	26.83	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	70814008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.28		P	00:24:18.982	-0.7	277.4		9.58		TAS		37.1	1.40	m_e mb	4.6
ASSE	24.31		P	00:24:39.730	1.1	277.4		9.58		TAS		30.6	1.25	m_e mb	4.7
BFO	23.50		P	00:24:32.182	-0.4	277.4		9.58		TAS		23.7	1.38	m_e mb	4.5
BRG	26.52		P	00:25:01.185		277.4		9.58		TAS		19.8	1.13	m_e mb	4.6
BSEG	23.96		P	00:24:36.665	-0.9	277.4		9.58		TAS		65.8	1.18	m_e mb	5.0
BUG	22.29		P	00:24:19.392	-0.8	277.4		9.58		TAS		83.1	1.49	m_e mb	4.9
CLL	25.86		P	00:24:53.819		277.4		9.58		TAS		18.8	1.21	m_e mb	4.6
CLZ	24.16		P	00:24:38.465	-0.2	277.4		9.58		TAS		68.6	1.39	m_e mb	5.0
FBE	26.15		P	00:24:57.811		277.4		9.58		TAS		28.3	1.17	m_e mb	4.8
FLT1	24.63		P	00:24:41.888	0.0	277.4		9.58		TAS		17.4	1.02	m_e mb	4.5
FUR	25.45		P	00:24:49.714	-0.4	277.4		9.58		TAS		53.9	1.46	m_e mb	5.1
GEC2	26.83		P	00:25:01.768		277.4		9.58		TAS		13.1	1.23	m_e mb	4.5
GOR1	24.61		P	00:24:42.149	0.1	277.4		9.58		TAS		84.9	1.47	m_e mb	5.1
GRA1	25.05		P	00:24:47.022	0.9	277.4		9.58		TAS		74.8	1.31	m_e mb	5.3
GTTG	23.95		P	00:24:36.456	0.2	277.4		9.58		TAS		19.7	1.11	m_e mb	4.5
GUNZ	25.62		P	00:24:52.084	-0.9	277.4		9.58		TAS		10.7	0.94	m_e mb	4.6
IBBN	22.51		P	00:24:21.569	-0.8	277.4		9.58		TAS		54.6	1.18	m_e mb	4.9
KAST	23.03		P	00:24:26.830	0.9	277.4		9.58		TAS		36.8	1.40	m_e mb	4.7
MANZ	25.55		P	00:24:51.933	0.1	277.4		9.58		TAS		8.6	1.03	m_e mb	4.4
MOX	25.12		P	00:24:46.910	-0.2	277.4		9.58		TAS		19.8	1.15	m_e mb	4.7
NEUB	25.12		P	00:24:47.394	0.2	277.4		9.58		TAS		60.3	1.05	m_e mb	5.3
NRDL	23.93		P	00:24:36.665	0.0	277.4		9.58		TAS		55.0	1.10	m_e mb	5.0
PLN	25.48		P	00:24:50.701	0.2	277.4		9.58		TAS		12.1	1.03	m_e mb	4.6
RETH	23.45		P	00:24:30.776	0.7	277.4		9.58		TAS		424.5	2.59	m_e mb	5.5
RJOB	26.55		P	00:24:59.535	-0.4	277.4		9.58		TAS		15.1	1.31	m_e mb	4.5
ROTZ	25.66		P	00:24:51.257	0.6	277.4		9.58		TAS		8.0	1.67	m_e mb	4.2
TANN	25.69		P	00:24:52.677	-0.7	277.4		9.58		TAS		19.0	1.17	m_e mb	4.7
TNS	23.19		P	00:24:29.169	-0.6	277.4		9.58		TAS		123.0	1.90	m_e mb	5.1
WERD	25.58		P	00:24:51.412	-0.7	277.4		9.58		TAS		7.5	0.99	m_e mb	4.4
WERN	25.66		P	00:24:52.401	0.4	277.4		9.58		TAS		10.4	1.02	m_e mb	4.5
WET	26.23		P	00:24:56.018		277.4		9.58		TAS		14.0	1.25	m_e mb	4.5
WLF	21.83		P	00:24:15.468	0.9	277.4		9.58		TAS		44.9	1.31	m_e mb	4.7

Event 70814003 Northern Mid-Atlantic Ridge

./2017/bull1708.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
2017/08/14	00:24:59.39			48.8720	-26.1040				10.0				26	20.98	25.99	m i ke	BGR
70814009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70814009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	23.46		P	00:30:07.771	-0.9	282.5		9.45		TAS		26.6	1.44	m_e	mb	4.6
BFO	22.67		P	00:30:00.553	-1.7	282.5		9.45		TAS		427.9	3.74	m_e	mb	5.4
BRG	25.67		P	00:30:29.491		282.5		9.45		TAS		302.4	3.29	m_e	mb	5.4
BSEG	23.10		P	00:30:03.305	-0.4	282.5		9.45		TAS		106.7	1.78	m_e	mb	5.1
CLL	25.01		P	00:30:22.131		282.5		9.45		TAS		29.3	1.81	m_e	mb	4.7
CLZ	23.31		P	00:30:05.759	0.0	282.5		9.45		TAS		5204.9	7.13	m_e	mb	6.2
FBE	25.30		P	00:30:26.001		282.5		9.45		TAS		131.1	2.34	m_e	mb	5.2
FLT1	23.78		P	00:30:10.878	-0.8	282.5		9.45		TAS		14.2	1.23	m_e	mb	4.4
GEC2	25.99		P	00:30:32.646		282.5		9.45		TAS		78.1	2.40	m_e	mb	4.9
GRA1	24.21		P	00:30:15.441	-0.1	282.5		9.45		TAS		95.7	1.78	m_e	mb	5.0
GTTG	23.09		P	00:30:04.130		282.5		9.45		TAS		33.5	1.54	m_e	mb	4.6
GUNZ	24.77		P	00:30:20.127		282.5		9.45		TAS		7.6	1.02	m_e	mb	4.4
IBBN	21.65		P	00:29:49.549	-0.6	282.5		9.45		TAS		21.1	1.02	m_e	mb	4.5
KAST	22.18		P	00:29:54.125	0.2	282.5		9.45		TAS		197.7	2.59	m_e	mb	5.1
MANZ	24.70		P	00:30:19.285	0.7	282.5		9.45		TAS		5.4	1.14	m_e	mb	4.2
MOX	24.26		P	00:30:14.833	-0.3	282.5		9.45		TAS		11.6	1.20	m_e	mb	4.3
NEUB	24.26		P	00:30:15.531	-0.4	282.5		9.45		TAS		22.3	1.00	m_e	mb	4.7
NRDL	23.07		P	00:30:03.787	0.5	282.5		9.45		TAS		46.9	1.42	m_e	mb	4.8
PLN	24.63		P	00:30:18.469	0.2	282.5		9.45		TAS		6.3	1.03	m_e	mb	4.3
RETH	22.60		P	00:29:58.081	0.4	282.5		9.45		TAS		380.1	2.72	m_e	mb	5.4
RJOB	25.71		P	00:30:30.583		282.5		9.45		TAS		61.2	2.08	m_e	mb	4.9
ROTZ	24.81		P	00:30:21.115		282.5		9.45		TAS		50.4	2.82	m_e	mb	4.8
STU	23.12		P	00:30:03.176	-0.0	282.5		9.45		TAS		318.9	2.17	m_e	mb	5.5
TANN	24.84		P	00:30:20.883		282.5		9.45		TAS		13.4	1.37	m_e	mb	4.5
TNS	22.34		P	00:29:57.376	1.5	282.5		9.45		TAS		192.0	2.30	m_e	mb	5.1
WET	25.38		P	00:30:26.761		282.5		9.45		TAS		62.0	2.29	m_e	mb	4.9
WLF	20.98		P	00:29:47.843	2.9	282.5		9.45		TAS		106.9	2.13	m_e	mb	4.8

Event 70814001 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	00:29:07.59	3.09	0.65	48.7400	-27.3700	63.4	62.3	127	10.0				31 346	21.83	26.83	m i ke	BGR
70814007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	70814007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.27		P	00:34:03.625	-2.0	280.1		9.46		TAS		53.1	1.46	m_e	mb 4.8
ASSE	24.28		P	00:34:24.838	-0.3	280.1		9.46		TAS		20.2	1.19	m_e	mb 4.5
BFO	23.51		P	00:34:15.773	-1.1	280.1		9.46		TAS		20.0	1.33	m_e	mb 4.5
BRG	26.50		P	00:34:44.459		280.1		9.46		TAS		46.5	1.68	m_e	mb 4.9
BSEG	23.91		P	00:34:21.308	0.6	280.1		9.46		TAS		129.4	1.61	m_e	mb 5.2
BUG	22.26		P	00:34:05.177	-0.6	280.1		9.46		TAS		104.1	1.52	m_e	mb 5.0
CLL	25.84		P	00:34:38.913	0.1	280.1		9.46		TAS		82.3	1.84	m_e	mb 5.0
CLZ	24.13		P	00:34:23.867	0.2	280.1		9.46		TAS		68.2	1.38	m_e	mb 5.0
FBE	26.13		P	00:34:42.287		280.1		9.46		TAS		80.9	1.78	m_e	mb 5.1
FLT1	24.60		P	00:34:27.241	-0.3	280.1		9.46		TAS		37.0	1.45	m_e	mb 4.9
GEC2	26.83		P	00:34:48.530		280.1		9.46		TAS		18.2	1.28	m_e	mb 4.7
GRA1	25.05		P	00:34:32.114	-0.5	280.1		9.46		TAS		46.6	1.23	m_e	mb 5.1
GTTG	23.92		P	00:34:23.003	-0.2	280.1		9.46		TAS		30.3	1.32	m_e	mb 4.7
GUNZ	25.60		P	00:34:37.284	-0.6	280.1		9.46		TAS		28.7	1.81	m_e	mb 4.6
IBBN	22.48		P	00:34:08.085	0.5	280.1		9.46		TAS		52.5	1.20	m_e	mb 4.8
KAST	23.01		P	00:34:13.382	0.5	280.1		9.46		TAS		116.7	2.08	m_e	mb 5.0
MANZ	25.54		P	00:34:36.004	-0.1	280.1		9.46		TAS		31.4	1.89	m_e	mb 4.6
MOX	25.10		P	00:34:32.293	-0.6	280.1		9.46		TAS		19.6	1.14	m_e	mb 4.7
NEUB	25.10		P	00:34:32.904	-0.3	280.1		9.46		TAS		30.7	0.97	m_e	mb 5.0
NRDL	23.89		P	00:34:20.610	1.6	280.1		9.46		TAS		27.9	1.04	m_e	mb 4.7
PLN	25.47		P	00:34:35.592	0.0	280.1		9.46		TAS		14.8	1.38	m_e	mb 4.5
RETH	23.42		P	00:34:15.102	1.5	280.1		9.46		TAS		419.0	2.74	m_e	mb 5.5
RJOB	26.56		P	00:34:46.088		280.1		9.46		TAS		71.3	2.29	m_e	mb 5.0
ROTZ	25.65		P	00:34:37.633	-0.0	280.1		9.46		TAS		12.5	1.50	m_e	mb 4.3
STU	23.96		P	00:34:22.342	1.6	280.1		9.46		TAS		435.9	2.43	m_e	mb 5.6
TANN	25.67		P	00:34:37.867	1.1	280.1		9.46		TAS		25.0	1.38	m_e	mb 4.7
TNS	23.18		P	00:34:14.755	-0.3	280.1		9.46		TAS		197.6	2.11	m_e	mb 5.3
WERD	25.57		P	00:34:36.714	-0.1	280.1		9.46		TAS		18.7	1.29	m_e	mb 4.6
WERN	25.65		P	00:34:37.644	-0.2	280.1		9.46		TAS		23.9	1.28	m_e	mb 4.7
WET	26.23		P	00:34:42.675		280.1		9.46		TAS		51.8	1.85	m_e	mb 4.8
WLF	21.83		P	00:34:00.481	-0.5	280.1		9.46		TAS		98.9	1.85	m_e	mb 4.9

Event 70814004 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	00:43:51.54			48.5000	-27.7400				10.0			17		22.13	27.13	m i ke	BGR
OrigID 70814010																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70814010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	22.57		P	00:48:52.424	-0.5	277.7		9.50		TAS		13.2	1.21	m_e	mb 4.3
ASSE	24.60		P	00:49:13.155	-0.4	277.7		9.50		TAS		7.3	1.09	m_e	mb 4.3
BSEG	24.23		P	00:49:08.939	-1.1	277.7		9.50		TAS		21.2	1.23	m_e	mb 4.5

BUG	22.58	P	00:48:52.619	-0.8	277.7	9.50	TAS	13.4	1.02	m_e	mb	4.4
CLZ	24.45	P	00:49:11.655	0.6	277.7	9.50	TAS	13.4	1.21	m_e	mb	4.3
FLT1	24.92	P	00:49:14.561	-0.5	277.7	9.50	TAS	4.4	0.86	m_e	mb	4.2
GEC2	27.13	P	00:49:34.909		277.7	9.50	TAS	5.3	1.14	m_e	mb	4.2
GRA1	25.35	P	00:49:19.531		277.7	9.50	TAS	10.1	0.83	m_e	mb	4.6
GTTG	24.24	P	00:49:09.341	0.4	277.7	9.50	TAS	6.1	0.97	m_e	mb	4.1
IBBN	22.80	P	00:48:55.432	-0.1	277.7	9.50	TAS	13.7	0.97	m_e	mb	4.5
KAST	23.32	P	00:49:00.965	1.4	277.7	9.50	TAS	10.3	1.22	m_e	mb	4.2
MANZ	25.85	P	00:49:24.126		277.7	9.50	TAS	2.9	0.96	m_e	mb	3.9
MOX	25.41	P	00:49:19.719		277.7	9.50	TAS	4.4	0.87	m_e	mb	4.2
NEUB	25.41	P	00:49:20.188		277.7	9.50	TAS	18.7	0.86	m_e	mb	4.8
NRDL	24.21	P	00:49:09.029	0.5	277.7	9.50	TAS	10.5	0.90	m_e	mb	4.4
RETH	23.74	P	00:49:04.247	0.0	277.7	9.50	TAS	39.8	1.66	m_e	mb	4.7
TNS	23.49	P	00:49:02.840	-0.2	277.7	9.50	TAS	163.1	3.56	m_e	mb	5.0
WLF	22.13	P	00:48:47.470	-0.4	277.7	9.50	TAS	6.1	0.94	m_e	mb	4.0

Event 70814005 Northern Mid-Atlantic Ridge

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	00:54:43.78			48.3300	-28.9900				10.0					26.20	26.20	m i ke	BGR
70814011																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.4		BGR	70814011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	26.20		P	01:00:17.863		280.7		9.21		TAS		17.6	1.57	m_e	mb	4.4

Event 70814006 Dodecanese Islands, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	02:43:46.92			36.7600	27.4300				10.0				33	15.39	20.87	m i ke	BGR
70814012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.3		BGR	70814012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	20.08		P	02:48:19.907	0.2	131.9		11.18		TAS		12.0	0.78	m_e	mb	4.2
ASSE	19.40		P	02:48:12.472	-0.9	131.9		11.18		TAS		24.6	1.39	a_e	mb	4.2
BFO	18.16		P	02:47:57.352	0.2	131.9		11.18		TAS		10.1	0.99	m_e	mb	3.9
BRG	17.10		P	02:47:48.068	0.6	131.9		11.18		TAS		34.9	1.50	m_e	mb	4.3
BSEG	20.87		P	02:48:29.938	1.4	131.9		11.18		TAS		52.0	1.32	m_e	mb	4.7

BUG	20.52	P	02:48:26.572	0.4	131.9	11.18	TAS	47.0	1.60	a_e	mb	4.6
CLL	17.81	P	02:47:55.615	0.5	131.9	11.18	TAS	52.3	1.52	m_e	mb	4.4
CLZ	19.33	P	02:48:11.922	-0.6	131.9	11.18	TAS	37.6	1.34	a_e	mb	4.4
FBE	17.38	P	02:47:51.072	1.0	131.9	11.18	TAS	44.0	1.36	a_e	mb	4.4
FLT1	19.31	P	02:48:11.072	-0.9	131.9	11.18	TAS	26.4	1.16	a_e	mb	4.4
FUR	16.45	P	02:47:40.822	-1.4	131.9	11.18	TAS	45.4	1.26	a_e	mb	4.5
GEC2	15.70	P	02:47:32.972	0.8	131.9	11.18	TAS	37.1	1.14	a_e	mb	4.4
GOR1	19.77	P	02:48:16.322	-0.2	131.9	11.18	TAS	80.4	1.69	a_e	mb	4.7
GRA1	17.46	P	02:47:53.922	-0.1	131.9	11.18	TAS	26.4	1.18	a_e	mb	4.3
GTTG	19.30	P	02:48:12.222	0.1	131.9	11.18	TAS	174.6	1.71	a_e	mb	5.0
GUNZ	17.41	P	02:47:51.631	-0.1	131.9	11.18	TAS	16.1	0.85	m_e	mb	4.2
IBBN	20.83	P	02:48:28.659	-0.9	131.9	11.18	TAS	23.6	0.92	m_e	mb	4.5
KAST	19.81	P	02:48:19.072	1.0	131.9	11.18	TAS	23.1	1.21	m_e	mb	4.3
MANZ	17.24	P	02:47:49.722	-0.3	131.9	11.18	TAS	8.1	1.26	a_e	mb	3.7
MOX	17.93	P	02:47:57.972	-1.3	131.9	11.18	TAS	72.3	1.36	a_e	mb	4.6
NEUB	18.25	P	02:48:01.662	0.6	131.9	11.18	TAS	14.8	1.01	m_e	mb	4.1
NRDL	19.90	P	02:48:16.722	-1.3	131.9	11.18	TAS	68.9	1.58	a_e	mb	4.6
PLN	17.57	P	02:47:53.572	0.1	131.9	11.18	TAS	23.7	1.04	m_e	mb	4.3
RETH	20.40	P	02:48:24.518	-1.0	131.9	11.18	TAS	39.0	1.40	m_e	mb	4.4
RJOB	15.39	P	02:47:27.546	-1.8	131.9	11.18	TAS	7.8	1.18	m_e		
ROTZ	17.04	P	02:47:47.272	3.4	131.9	11.18	TAS	3.6	1.05	a_e	mb	3.4
STU	17.93	P	02:47:57.522	-1.2	131.9	11.18	TAS	39.6	0.97	a_e	mb	4.5
TANN	17.38	P	02:47:51.322	0.1	131.9	11.18	TAS	49.1	1.56	a_e	mb	4.4
TNS	19.18	P	02:48:12.143	-0.1	131.9	11.18	TAS			m_e		
UBR	16.80	P	02:47:41.842		131.9	11.18	TAS	16.2	0.85	m_e	mb	4.2
WERD	17.48	P	02:47:52.322	0.1	131.9	11.18	TAS	19.2	0.89	a_e	mb	4.2
WERN	17.33	P	02:47:50.539	0.8	131.9	11.18	TAS	22.0	1.12	m_e	mb	4.2
WET	16.29	P	02:47:39.222	0.4	131.9	11.18	TAS	74.1	1.50	a_e	mb	4.6
WLF	20.08	P	02:48:23.722	1.6	131.9	11.18	TAS	52.5	1.65	a_e	mb	4.5

Event 70814007 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
2017/08/14	03:06:10.28		40.2240	142.6280				33.0				32		77.64	82.98	m i ke	BGR
70814013																	

Magnitude Err Nsta Author  
 mb 4.6 BGR

OrigID  
 70814013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	78.99		P	03:18:09.443	-0.1	35.5		5.36		TAS		2.9	0.96	m_e	mb	4.3
BFO	82.98		P	03:18:30.510	0.1	35.5		5.36		TAS		17.1	1.49	m_e	mb	5.1
BRG	78.79		P	03:18:08.603	0.2	35.5		5.36		TAS		8.4	1.15	m_e	mb	4.7
BSEG	77.64		P	03:18:02.237	0.0	35.5		5.36		TAS		12.6	1.04	m_e	mb	5.0
BUG	80.75		P	03:18:18.703	-0.2	35.5		5.36		TAS		12.6	1.20	m_e	mb	4.8
CLL	78.80		P	03:18:08.088	-0.4	35.5		5.36		TAS		11.0	1.04	m_e	mb	4.8

CLZ	79.34	P	03:18:11.328	0.0	35.5	5.36	TAS	10.5	1.07	m_e	mb	4.8
FBE	78.98	P	03:18:09.487	0.1	35.5	5.36	TAS	16.9	1.35	m_e	mb	4.9
FLT1	78.63	P	03:18:06.983	-0.6	35.5	5.36	TAS	11.5	1.00	m_e	mb	4.9
FUR	82.00	P	03:18:25.809	0.3	35.5	5.36	TAS	11.9	0.68	m_e	mb	5.1
GEC2	80.50	P	03:18:17.443	-0.4	35.5	5.36	TAS	4.5	1.14	m_e	mb	4.3
GOR1	78.07	P	03:18:04.895	0.4	35.5	5.36	TAS	12.4	1.13	m_e	mb	4.9
GTTG	79.72	P	03:18:13.492	0.1	35.5	5.36	TAS	6.0	1.01	m_e	mb	4.5
GUNZ	79.81	P	03:18:13.979	0.1	35.5	5.36	TAS	9.5	1.36	m_e	mb	4.5
IBBN	79.86	P	03:18:14.123	0.1	35.5	5.36	TAS	18.1	1.41	m_e	mb	4.8
KAST	80.56	P	03:18:17.956	0.1	35.5	5.36	TAS	6.4	1.15	m_e	mb	4.5
MANZ	80.20	P	03:18:16.115	0.2	35.5	5.36	TAS	1.4	1.07	m_e	mb	3.8
MOX	79.86	P	03:18:14.053	-0.1	35.5	5.36	TAS	4.3	1.03	m_e	mb	4.3
NEUB	79.35	P	03:18:11.181	-0.3	35.5	5.36	TAS	6.7	0.80	m_e	mb	4.7
NRDL	78.90	P	03:18:08.865	-0.1	35.5	5.36	TAS	4.2	0.81	m_e	mb	4.5
PLN	79.78	P	03:18:13.684	-0.1	35.5	5.36	TAS	4.2	1.06	m_e	mb	4.3
RETH	78.96	P	03:18:09.119	-0.1	35.5	5.36	TAS	6.2	0.99	m_e	mb	4.6
RJOB	81.75	P	03:18:24.584	-0.7	35.5	5.36	TAS	7.2	1.06	m_e	mb	4.7
ROTZ	80.34	P	03:18:16.998	0.9	35.5	5.36	TAS	1.4	0.98	m_e	mb	3.9
STU	82.29	P	03:18:26.805	-0.4	35.5	5.36	TAS	22.2	0.62	m_e	mb	5.5
TANN	79.72	P	03:18:13.390	-0.0	35.5	5.36	TAS	4.0	1.13	m_e	mb	4.3
TNS	81.36	P	03:18:22.395		35.5	5.36	TAS	2.8	0.75	m_e	mb	4.4
UBR	82.85	P	03:18:29.529		35.5	5.36	TAS			m_e		
WERD	79.76	P	03:18:13.758	0.1	35.5	5.36	TAS	4.3	1.07	m_e	mb	4.3
WERN	79.86	P	03:18:14.200	0.0	35.5	5.36	TAS	5.4	1.06	m_e	mb	4.4
WET	80.58	P	03:18:18.545	-0.1	35.5	5.36	TAS	8.6	1.16	m_e	mb	4.7
WLF	82.64	P	03:18:29.860	0.1	35.5	5.36	TAS	2.9	1.00	m_e	mb	4.5

Event 70814008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	08:41:02.21			-20.3500	169.6700			33.0				25		145.00	148.83	m i ke	BGR
	70814014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.88		PKPbc	09:00:40.469		36.9		3.12		TAS					m_e
BERGE	148.73		PKPbc	09:00:45.761		36.9		3.12		TAS					m_e
BFO	148.29		PKPbc	09:00:44.775		36.9		3.12		TAS					m_e
FUR	147.23		PKPbc	09:00:42.210		36.9		3.12		TAS					m_e
GEC2	145.66		PKPbc	09:00:37.361		36.9		3.12		TAS					m_e
GRA1	146.06		PKPbc	09:00:38.190		36.9		3.12		TAS					m_e
GTTG	145.04		PKPbc	09:00:35.289	-0.2	36.9		3.12		TAS					m_e
GUNZ	145.09		PKPbc	09:00:35.041	0.4	36.9		3.12		TAS					m_e
IBBN	145.14		PKPbc	09:00:35.112		36.9		3.12		TAS					m_e
KAST	145.87		PKPbc	09:00:37.274		36.9		3.12		TAS					m_e



MANZ	145.47	PKPbc	09:00:36.185		36.9		3.12	TAS									m_e
METMA	148.83	PKPbc	09:00:46.170		36.9		3.12	TAS									m_e
MILB	146.70	PKPbc	09:00:40.267		36.9		3.12	TAS									m_e
MOX	145.16	PKPbc	09:00:35.345	0.4	36.9		3.12	TAS									m_e
PLN	145.07	PKPbc	09:00:34.876	0.4	36.9		3.12	TAS									m_e
RJOB	146.88	PKPbc	09:00:40.400		36.9		3.12	TAS									m_e
ROTZ	145.60	PKPbc	09:00:36.379		36.9		3.12	TAS									m_e
STU	147.60	PKPbc	09:00:43.235		36.9		3.12	TAS									m_e
TANN	145.00	PKPbc	09:00:34.898		36.9		3.12	TAS									m_e
TNS	146.68	PKPbc	09:00:40.082		36.9		3.12	TAS									m_e
UBR	148.10	PKPbc	09:00:44.291		36.9		3.12	TAS									m_e
WERD	145.04	PKPbc	09:00:34.711	-0.3	36.9		3.12	TAS									m_e
WERN	145.13	PKPbc	09:00:35.513	-0.2	36.9		3.12	TAS									m_e
WET	145.80	PKPbc	09:00:37.454		36.9		3.12	TAS									m_e
WLF	147.94	PKPbc	09:00:44.487		36.9		3.12	TAS									m_e

Event 70814009 Eastern Sea of Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/14	09:12:08.82			43.7440	138.1120				33.0			7		73.91	76.03	m i ke	BGR
OrigID 70814015																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70814015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	74.03		P	09:23:40.260		39.4		4.06		TAS		3.4	0.81	m_e mb	4.4
CLL	74.06		P	09:23:39.929		39.4		4.06		TAS		7.5	0.76	m_e mb	4.8
CLZ	74.62		P	09:23:43.626		39.4		4.06		TAS		8.3	0.72	m_e mb	4.9
FBE	74.22		P	09:23:41.395		39.4		4.06		TAS		7.0	0.88	m_e mb	4.7
FLT1	73.91		P	09:23:39.308		39.4		4.06		TAS		7.1	0.70	m_e mb	4.8
GRA1	76.03		P	09:23:50.855		39.4		4.06		TAS		9.6	0.67	m_e mb	5.1
GUNZ	75.06		P	09:23:45.527		39.4		4.06		TAS		2.2	0.52	m_e mb	4.4
ROTZ	75.59		P	09:23:49.193		39.4		4.06		TAS		1.0	0.91	m_e mb	3.9

Event 70818001 North of Ascension Island

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/18	02:59:09.33			-2.5600	-15.4800				33.0			33		54.77	60.26	m i ke	BGR
OrigID 70818007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.3		BGR	70818007

MBB 6.5 BGR 70818007  
 Ms 6.1 BGR 70818007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	56.32		S	03:16:37.767						T__				m_e	
ASSE	58.81		P	03:09:05.095	0.1	212.1		7.17		TAS		109.1	1.38	a_e	MBB 6.3
BFO	54.77		P	03:08:35.845	-0.2	212.1		7.17		TAS		91875.1	17.88	a_e	MBB 6.6
BRG	58.87		P	03:09:06.695	1.3	212.1		7.17		TAS		292.7	1.51	a_e	MBB 6.5
BSEG	60.26		P	03:09:15.195	-0.1	212.1		7.17		TAS		138.1	0.91	a_e	MBB 6.6
BUG	57.18		S	03:16:49.148						T__				m_e	
BUG	57.18		P	03:08:53.795	0.7	212.1		7.17		TAS		468.3	1.81	a_e	MBB 6.5
CLL	58.89		P	03:09:05.345	-0.3	212.1		7.17		TAS		310.0	1.49	a_e	mb 6.1
CLZ	58.47		S	03:17:05.665						T__				m_e	
CLZ	58.47		P	03:09:02.745	0.2	212.1		7.17		TAS		413.1	2.08	a_e	MBB 6.4
FBE	58.70		P	03:09:04.095	-0.1	212.1		7.17		TAS		477.2	1.69	a_e	mb 6.3
FLT1	59.16		P	03:09:07.495	-0.1	212.1		7.17		TAS		498.9	1.84	a_e	MBB 6.6
FUR	55.65		S	03:16:30.538						T__				m_e	
FUR	55.65		P	03:08:42.095	-0.2	212.1		7.17		TAS		1098.9	1.57	a_e	MBB 6.8
GEC2	57.12		S	03:16:46.589						T__				m_e	
GEC2	57.12		P	03:08:52.795	0.1	212.1		7.17		TAS		796.4	1.50	a_e	MBB 6.7
GOR1	59.75		P	03:09:12.395	0.7	212.1		7.17		TAS		1273.8	1.50	a_e	MBB 6.9
GRA1	56.92		S	03:16:42.402						T__				m_e	
GRA1	56.92		P	03:08:51.145	-0.3	212.1		7.17		TAS		463.7	1.58	m_e	mb 6.3
GRA1	56.92		L	03:33:51.513						T__		15253.8	18.00	a_e	Ms 6.1
GTTG	58.08		P	03:09:00.495	0.7	212.1		7.17		TAS		374.3	1.55	a_e	MBB 6.6
GUNZ	57.87		P	03:08:58.045	-0.2	212.1		7.17		TAS		210.3	1.18	a_e	MBB 6.4
HLG	59.79		P	03:09:08.545	-3.1	212.1		7.17		TAS		256.6	1.09	a_e	mb 6.2
IBBN	58.09		P	03:09:00.345	0.8	212.1		7.17		TAS		131.5	1.17	a_e	MBB 6.6
KAST	57.31		P	03:08:54.745	0.6	212.1		7.17		TAS		293.3	1.55	a_e	MBB 6.5
MOX	57.86		S	03:16:58.241						T__				m_e	
MOX	57.86		P	03:08:58.145	-0.1	212.1		7.17		TAS		323.1	1.37	a_e	MBB 6.5
NEUB	58.37		S	03:17:05.665						T__				m_e	
NEUB	58.37		P	03:09:01.945	0.0	212.1		7.17		TAS		457.7	1.52	a_e	MBB 6.5
NRDL	58.95		P	03:09:06.795	0.8	212.1		7.17		TAS		363.1	1.73	a_e	MBB 6.6
PLN	57.91		P	03:08:58.245	-0.4	212.1		7.17		TAS		394.7	1.58	a_e	MBB 6.5
RETH	58.93		P	03:09:06.745	1.0	212.1		7.17		TAS		1103.9	2.32	a_e	MBB 6.6
ROTZ	57.33		P	03:08:54.045	-0.3	212.1		7.17		TAS		169.9	2.02	a_e	MBB 5.9
RUE	60.13		P	03:09:14.245	-0.3	212.1		7.17		TAS		398.3	1.35	a_e	MBB 6.6
STU	55.44		S	03:16:27.746						T__				m_e	
STU	55.44		P	03:08:40.345	-0.5	212.1		7.17		TAS		332.3	1.13	a_e	MBB 6.9
TNS	56.46		S	03:16:38.447						T__				m_e	
TNS	56.46		P	03:08:48.395	0.3	212.1		7.17		TAS		378.6	1.51	a_e	MBB 6.5
UBR	54.82		S	03:16:17.743						T__				m_e	
UBR	54.82		P	03:08:35.945	-0.5	212.1		7.17		TAS		813.7	1.51	a_e	MBB 6.7
WERD	57.93		P	03:08:58.395	-0.3	212.1		7.17		TAS		417.6	1.60	a_e	MBB 6.4
WERN	57.82		P	03:08:57.745	-0.2	212.1		7.17		TAS		431.3	1.55	a_e	MBB 6.4
WET	57.05		S	03:16:44.030						T__				m_e	
WET	57.05		P	03:08:52.295	-0.1	212.1		7.17		TAS		560.0	1.46	a_e	MBB 6.6
WLF	55.27		S	03:16:22.628						T__				m_e	

WLF 55.27 P 03:08:39.995 0.6 212.1 7.17 TAS 492.0 1.75 a\_e MBB 6.6

Event 70818002 Crete, Greece

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/08/18 03:46:48.10 34.6800 23.9500 10.0 17.68 17.68 m i ke EMSC
70818034

Magnitude Err Nsta Author OrigID
mb 4.2 BGR 70818008

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
GRA1 17.68 P 03:50:55.773 143.3 12.03 TAS 23.4 1.21 m\_e mb 4.2

Event 70818003 Turkey

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/08/18 04:30:02.60 37.5900 37.4800 6.0 20.57 23.74 m i ke EMSC
70818035

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 70818009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude
BE1 21.77 P 04:34:56.456 112.7 11.05 TAS 14.2 0.66 m\_e mb 4.5
BFO 23.74 P 04:35:17.780 112.7 11.05 TAS 35.8 1.33 m\_e mb 4.7
GEC2 20.57 P 04:34:42.729 112.7 11.05 TAS 10.2 0.77 m\_e mb 4.2
KW1 20.97 P 04:34:47.615 112.7 11.05 TAS 34.4 0.72 m\_e mb 4.8
UBR 22.41 P 04:35:03.436 112.7 11.05 TAS 8.2 0.73 m\_e mb 4.3
WET 21.19 P 04:34:50.639 0.2 112.7 11.05 TAS m\_e

Event 70818009 South of Fiji Islands

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
OrigID
2017/08/18 15:16:58.30 -24.3600 179.6700 522.0 11 151.06 152.30 m i ke EMSC
70818041

Magnitude Err Nsta Author OrigID

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

BRG	151.32	PKP	15:35:53.996		23.9		2.36	TAS									m_e
CHRS	151.48	PKP	15:35:54.099	0.1	23.9		2.36	TAS									m_e
CLL	151.20	PKP	15:35:53.310	0.1	23.9		2.36	TAS									m_e
FBE	151.45	PKP	15:35:54.442	-0.1	23.9		2.36	TAS									m_e
MODW	151.68	PKP	15:35:54.785	-0.3	23.9		2.36	TAS									m_e
MUHB	151.06	PKP	15:35:53.138	-0.0	23.9		2.36	TAS									m_e
MULD	152.18	PKP	15:35:55.780		23.9		2.36	TAS									m_e
TAUT	151.84	PKP	15:35:55.025	0.0	23.9		2.36	TAS									m_e
TRIB	152.30	PKP	15:35:56.329		23.9		2.36	TAS									m_e
WERD	152.17	PKP	15:35:55.506		23.9		2.36	TAS									m_e
WIMM	151.40	PKP	15:35:53.859	-0.0	23.9		2.36	TAS									m_e

Event 70818010 Puerto Rico region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/18	20:12:57.80			18.9000	-66.5600				30.0					67.98	67.98	m i ke	EMSC
70818042																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70818016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	67.98		P	20:23:54.376		268.1		6.95		TAS		9.5	0.97	m_e mb	5.0

Event 70819001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/19	02:00:45.30			-18.7300	-179.2300				563.2	10.5		33		145.78	147.87	m i ke	BGR
70819007																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	147.87		PKPdf	02:19:30.894		16.3		1.49		TAS					m_e
ASSE	145.78		PKPbc	02:19:28.485	0.1	15.5		2.86		TAS					m_e
ASSE	145.78		PP	02:22:48.836	0.6	25.3		6.49		TAS					m_e
BFO			PKPdf	02:19:33.873		16.3		1.49		TAS					m_e
BFO			PKPbc	02:19:39.519		15.5		2.86		TAS					m_e
BRG			PKPdf	02:19:28.568	0.1	16.3		1.49		TAS					m_e
BRG			pPKPbc	02:21:41.215	-0.9					T_					m_e
BSEG			PKPbc	02:19:23.030	-0.3	15.5		2.86		TAS					m_e
BUG			PKPdf	02:19:29.295	-0.2	16.3		1.49		TAS					m_e
BUG			PKPbc	02:19:31.602	0.1	15.5		2.86		TAS					m_e

BUG	pPKPbc	02:21:42.120	-0.9			T__	m_e
CLL	PKPbc	02:19:29.403	0.4	15.5	2.86	TAS	m_e
CLZ	PKPbc	02:19:29.493	0.4	15.5	2.86	TAS	m_e
CLZ	PP	02:22:51.400		25.3	6.49	TAS	m_e
FBE	PKPdf	02:19:28.786	0.2	16.3	1.49	TAS	m_e
FBE	PKPbc	02:19:30.877	-0.2	15.5	2.86	TAS	m_e
FLT1	PKPbc	02:19:27.336	0.0	15.5	2.86	TAS	m_e
FLT1	PP	02:22:46.272	0.2	25.3	6.49	TAS	m_e
FUR	PKPdf	02:19:33.364		16.3	1.49	TAS	m_e
FUR	PKPbc	02:19:38.718		15.5	2.86	TAS	m_e
FUR	pPKPbc	02:21:46.580	-0.9			T__	m_e
GEC2	PKPdf	02:19:31.548		16.3	1.49	TAS	m_e
GEC2	PKPbc	02:19:35.672	-0.6	15.5	2.86	TAS	m_e
GEC2	pPKPbc	02:21:44.448	-0.9			T__	m_e
GOR1	PKPbc	02:19:25.532	0.1	15.5	2.86	TAS	m_e
GOR1	PP	02:22:43.194	0.4	25.3	6.49	TAS	m_e
GRA1	PKPdf	02:19:31.402		16.3	1.49	TAS	m_e
GRA1	PKPbc	02:19:35.211	-0.2	15.5	2.86	TAS	m_e
GRA1	pPKPbc	02:21:42.877	-0.9			T__	m_e
GRA1	PP	02:23:02.427		25.3	6.49	TAS	m_e
GTTG	PKPdf	02:19:29.077	0.2	16.3	1.49	TAS	m_e
GTTG	PKPbc	02:19:30.826	0.1	15.5	2.86	TAS	m_e
GTTG	pPKPbc	02:21:40.301	-0.9			T__	m_e
GUNZ	PKPdf	02:19:30.022	-0.2	16.3	1.49	TAS	m_e
GUNZ	PKPbc	02:19:32.888	0.2	15.5	2.86	TAS	m_e
GUNZ	pPKPbc	02:21:42.180	-0.9			T__	m_e
IBBN	PKPbc	02:19:29.272	-0.2	15.5	2.86	TAS	m_e
KAST	PKPdf	02:19:29.658	0.1	16.3	1.49	TAS	m_e
KAST	PKPbc	02:19:32.146	0.4	15.5	2.86	TAS	m_e
KAST	pPKPbc	02:21:42.236	-0.9			T__	m_e
MOX	PKPdf	02:19:29.731	0.3	16.3	1.49	TAS	m_e
MOX	PKPbc	02:19:32.101	0.3	15.5	2.86	TAS	m_e
MOX	pPKPbc	02:21:43.208	-0.9			T__	m_e
MOX	PP	02:22:54.990		25.3	6.49	TAS	m_e
NEUB	PKPdf	02:19:28.859	-0.1	16.3	1.49	TAS	m_e
NEUB	PKPbc	02:19:30.846	-0.0	15.5	2.86	TAS	m_e
NRDL	PKPbc	02:19:27.556	0.0	15.5	2.86	TAS	m_e
PLN	PKPdf	02:19:29.731	-0.0	16.3	1.49	TAS	m_e
PLN	PKPbc	02:19:32.411	0.6	15.5	2.86	TAS	m_e
PLN	PP	02:22:55.247		25.3	6.49	TAS	m_e
RETH	PKPbc	02:19:27.436	-0.2	15.5	2.86	TAS	m_e
ROTZ	PKPdf	02:19:30.894		16.3	1.49	TAS	m_e
ROTZ	PKPbc	02:19:34.365	-0.1	15.5	2.86	TAS	m_e
ROTZ	pPKPbc	02:21:42.669	-0.9			T__	m_e
RUE	PKPbc	02:19:25.820	-0.3	15.5	2.86	TAS	m_e
STU	PKPdf	02:19:33.364		16.3	1.49	TAS	m_e
STU	PKPbc	02:19:38.246		15.5	2.86	TAS	m_e
STU	pPKPbc	02:21:46.196	-0.9			T__	m_e
TNS	PKPdf	02:19:31.330		16.3	1.49	TAS	m_e

TNS	PKPbc	02:19:34.939	0.7	15.5	2.86	TAS	m_e
TNS	pPKPbc	02:21:43.740	-0.9			T__	m_e
UBR	PKPdf	02:19:34.164		16.3	1.49	TAS	m_e
UBR	PKPbc	02:19:40.615		15.5	2.86	TAS	m_e
WERD	PKPdf	02:19:29.949	-0.1	16.3	1.49	TAS	m_e
WERD	PKPbc	02:19:32.692	0.1	15.5	2.86	TAS	m_e
WERD	pPKPbc	02:21:42.446	-0.9			T__	m_e
WERD	PP	02:22:56.016		25.3	6.49	TAS	m_e
WERN	PKPdf	02:19:30.312		16.3	1.49	TAS	m_e
WERN	PKPbc	02:19:33.280	0.3	15.5	2.86	TAS	m_e
WERN	pPKPbc	02:21:42.125	-0.9			T__	m_e
WET	PKPdf	02:19:31.475		16.3	1.49	TAS	m_e
WET	PKPbc	02:19:35.532	-0.4	15.5	2.86	TAS	m_e
WET	pPKPbc	02:21:44.043	-0.9			T__	m_e
WET	PP	02:23:02.939		25.3	6.49	TAS	m_e
WLF	PKPdf	02:19:32.565		16.3	1.49	TAS	m_e
WLF	PKPbc	02:19:37.948	-0.4	15.5	2.86	TAS	m_e

Event 70819002 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/19	09:19:36.40			-15.4400	-173.0100				52.0							m i ke	GFZ
70819054																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1			PKP	09:39:09.528		7.2		3.00		TAS				m_e	

Event 70819003 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/19	16:15:00.77			56.7670	164.2880				33.0							m i ke	BGR
70819009																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	4.6		P	16:26:17.018		16.6		5.27		TAS		5.6	1.07	m_e mb	4.6

## Event 70819005 North of Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/08/19	20:26:50.70			18.0500	-79.7700				10.0								m i ke	EMSC
OrigID 70819037																		

Magnitude	Err	Nsta	Author	OrigID
mb	4.6		BGR	70819011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1			P	20:38:45.143		282.6		6.42		TAS		4.5	0.94	m_e	mb	4.6
GRA1			pP	20:38:55.405						T__				m_e		

## Event 70819006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/08/19	20:59:04.06			-21.1900	-179.1100				618.0	3.0			25				m i ke	BGR
OrigID 70819012																		

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			PKPbc	21:17:50.562		17.9		2.34		TAS				m_e	
BFO			PKPab	21:18:03.151		14.0		4.34		TAS				m_e	
BRG			PKPbc	21:17:42.688	0.2	17.9		2.34		TAS				m_e	
BRG			PKPab	21:17:48.774		14.0		4.34		TAS				m_e	
BSEG			PKPbc	21:17:36.989	-0.2	17.9		2.34		TAS				m_e	
CLL			PKPbc	21:17:41.746	0.2	17.9		2.34		TAS				m_e	
CLL			PKPab	21:17:47.434		14.0		4.34		TAS				m_e	
CLL			pPKPbc	21:20:02.380						T__				m_e	
CLZ			PKPbc	21:17:42.284	0.1	17.9		2.34		TAS				m_e	
CLZ			PKPab	21:17:47.199	0.2	14.0		4.34		TAS				m_e	
CLZ			pPKPbc	21:20:03.100						T__				m_e	
FBE			PKPbc	21:17:43.091	0.3	17.9		2.34		TAS				m_e	
FLT1			PKPbc	21:17:40.132	-0.3	17.9		2.34		TAS				m_e	
FLT1			PKPab	21:17:44.516	-0.3	14.0		4.34		TAS				m_e	
FUR			PKPab	21:18:02.339		14.0		4.34		TAS				m_e	
GEC2			PKPbc	21:17:46.857		17.9		2.34		TAS				m_e	
GRA1			PKPbc	21:17:46.812		17.9		2.34		TAS				m_e	
GRA1			PKPab	21:17:55.822		14.0		4.34		TAS				m_e	
GRA1			pPKPbc	21:20:10.432						T__				m_e	
GUNZ			PKPbc	21:17:44.750	-0.3	17.9		2.34		TAS				m_e	
GUNZ			PKPab	21:17:52.204		14.0		4.34		TAS				m_e	
HLG			PKPbc	21:17:37.597	-0.0	17.9		2.34		TAS				m_e	
KAST			PKPbc	21:17:44.301	0.3	17.9		2.34		TAS				m_e	

MOX	PKPbc	21:17:44.257	-0.1	17.9	2.34	TAS	m_e
NRDL	PKPbc	21:17:40.767	0.1	17.9	2.34	TAS	m_e
PLN	PKPbc	21:17:44.436	-0.3	17.9	2.34	TAS	m_e
PLN	PKPab	21:17:51.741		14.0	4.34	TAS	m_e
RETH	PKPbc	21:17:40.462	0.2	17.9	2.34	TAS	m_e
RJOB	PKPbc	21:17:49.723		17.9	2.34	TAS	m_e
RJOB	PKPab	21:18:02.731		14.0	4.34	TAS	m_e
ROTZ	PKPbc	21:17:45.870	-0.4	17.9	2.34	TAS	m_e
TNS	PKPbc	21:17:46.812		17.9	2.34	TAS	m_e
UBR	PKPbc	21:17:51.109		17.9	2.34	TAS	m_e
WERD	PKPbc	21:17:44.481	0.3	17.9	2.34	TAS	m_e
WERD	pPKPbc	21:20:06.060				T__	m_e
WERN	PKPbc	21:17:44.974	-0.3	17.9	2.34	TAS	m_e
WERN	PKPab	21:17:52.666		14.0	4.34	TAS	m_e
WET	PKPbc	21:17:46.857		17.9	2.34	TAS	m_e
WET	PKPab	21:17:56.532		14.0	4.34	TAS	m_e
WLF	PKPbc	21:17:48.964		17.9	2.34	TAS	m_e

Event 70819007 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/19	21:21:51.100			-20.7700	-177.4800				600.0				30				m i ke BGR
	70819013																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE			PKPbc	21:40:30.462	0.4	16.6		2.28		TAS				m_e	
ASSE			PKPab	21:40:35.042	-0.2	14.7		4.36		TAS				m_e	
BFO			PKPbc	21:40:40.025		16.6		2.28		TAS				m_e	
BRG			PKPbc	21:40:32.391	0.3	16.6		2.28		TAS				m_e	
BRG			PKPab	21:40:37.935	0.0	14.7		4.36		TAS				m_e	
BSEG			PKPbc	21:40:26.439	-0.6	16.6		2.28		TAS				m_e	
CLL			PKPbc	21:40:31.185	0.3	16.6		2.28		TAS				m_e	
CLL			PKPab	21:40:36.730	0.2	14.7		4.36		TAS				m_e	
CLZ			PKPbc	21:40:31.828	0.1	16.6		2.28		TAS				m_e	
CLZ			PKPab	21:40:37.453	-0.7	14.7		4.36		TAS				m_e	
FBE			PKPbc	21:40:32.551	-0.2	16.6		2.28		TAS				m_e	
FBE			PKPab	21:40:38.658	-0.1	14.7		4.36		TAS				m_e	
FLT1			PKPbc	21:40:29.900	-0.2	16.6		2.28		TAS				m_e	
FLT1			PKPab	21:40:33.998	0.2	14.7		4.36		TAS				m_e	
FUR			PKPab	21:40:51.756		14.7		4.36		TAS				m_e	
GEC2			PKPbc	21:40:36.328		16.6		2.28		TAS				m_e	
GEC2			PKPab	21:40:47.015		14.7		4.36		TAS				m_e	
GRA1			PKPbc	21:40:35.743	-0.7	16.6		2.28		TAS				m_e	
GRA1			PKPab	21:40:44.524		14.7		4.36		TAS				m_e	



GTTG	PKPbc	21:40:32.551	0.3	16.6	2.28	TAS	m_e
GTTG	PKPab	21:40:38.900	0.2	14.7	4.36	TAS	m_e
GUNZ	PKPbc	21:40:34.319	0.5	16.6	2.28	TAS	m_e
GUNZ	PKPab	21:40:41.471		14.7	4.36	TAS	m_e
HLG	PKPbc	21:40:26.337	-0.2	16.6	2.28	TAS	m_e
IBBN	PKPbc	21:40:31.025	0.3	16.6	2.28	TAS	m_e
IBBN	PKPab	21:40:35.766	-0.1	14.7	4.36	TAS	m_e
KAST	PKPbc	21:40:33.918	-0.2	16.6	2.28	TAS	m_e
MOX	PKPbc	21:40:33.435	0.4	16.6	2.28	TAS	m_e
NEUB	PKPbc	21:40:32.391	0.0	16.6	2.28	TAS	m_e
NRDL	PKPbc	21:40:30.221	-0.4	16.6	2.28	TAS	m_e
PLN	PKPbc	21:40:33.757	0.4	16.6	2.28	TAS	m_e
PLN	PKPab	21:40:40.989		14.7	4.36	TAS	m_e
RETH	PKPbc	21:40:29.498	-0.2	16.6	2.28	TAS	m_e
RJOB	PKPbc	21:40:38.900		16.6	2.28	TAS	m_e
RJOB	PKPab	21:40:52.239		14.7	4.36	TAS	m_e
ROTZ	PKPbc	21:40:35.364	-0.0	16.6	2.28	TAS	m_e
STU	PKPbc	21:40:38.980		16.6	2.28	TAS	m_e
TNS	PKPbc	21:40:36.248	-0.1	16.6	2.28	TAS	m_e
TNS	PKPab	21:40:44.766		14.7	4.36	TAS	m_e
UBR	PKPbc	21:40:40.587		16.6	2.28	TAS	m_e
WERD	PKPbc	21:40:34.078	0.0	16.6	2.28	TAS	m_e
WERN	PKPbc	21:40:34.480	-0.4	16.6	2.28	TAS	m_e
WERN	PKPab	21:40:42.033		14.7	4.36	TAS	m_e
WET	PKPab	21:40:46.132		14.7	4.36	TAS	m_e
WLF	PKPbc	21:40:37.775		16.6	2.28	TAS	m_e

Event 70820002 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/20	04:47:49.80			41.9610	141.4560				30.1					78.83	78.83	m i ke	BGR
OrigID 70820008																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	70820008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.83		P	04:59:48.154		35.9		4.61		TAS		5.3	1.04	m_e mb	4.5
GRA1	78.83		pP	04:59:56.830						T__				m_e	

Event 70820003 Ryukyu Islands, Japan

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

2017/08/20 17:00:04.50 27.0000 127.3600 91.0 84.95 84.95 m i ke EMSC  
70820035

Magnitude Err Nsta Author OrigID  
mb 4.8 BGR 70820009

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 84.95 P 17:12:30.262 53.5 4.36 TAS 5.4 0.91 m\_e mb 4.8

Event 70820004 Guatemala  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2017/08/20 23:29:03.70 14.1400 -91.5300 80.0 87.39 87.39 m i ke EMSC  
70820036

Magnitude Err Nsta Author OrigID  
mb 4.7 BGR 70820010

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 87.39 P 23:41:42.379 288.7 5.45 TAS 5.9 0.95 m\_e mb 4.7

Event 70820005 East of North Island, New Zealand  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2017/08/20 23:37:32.90 -35.5900 -179.4600 10.0 163.89 163.89 m i ke EMSC  
70820037

Magnitude Err Nsta Author OrigID  
Ms 5.4 BGR 70820011

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 163.89 PKP 23:58:27.377 33.0 3.87 TAS  
GRA1 163.89 L 00:17:12.837 T\_\_ 540.7 20.90 a\_e Ms 5.4

Event 70821001 Xizang  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2017/08/21 01:12:32.11 31.8180 93.3700 33.0 61.67 61.67 m i ke BGR  
70821007

Magnitude Err Nsta Author OrigID  
mb 4.8 BGR 70821007

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
GRA1 61.67 P 01:22:46.048 78.7 5.89 TAS 5.3 0.94 m\_e mb 4.8

Event 70821003 Fiji Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2017/08/21 20:17:42.90 -17.6300 -178.5300 519.0 20 144.42 148.87 m i ke EMSC  
70821035

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
ASSE 144.82 PKPbc 20:36:19.812 0.1 17.3 2.93 TAS m\_e  
BFO 148.87 PKPbc 20:36:31.328 17.3 2.93 TAS m\_e  
BRG 145.37 PKPbc 20:36:22.072 0.2 17.3 2.93 TAS m\_e  
CLL 145.17 PKPbc 20:36:21.203 -0.1 17.3 2.93 TAS m\_e  
CLZ 145.14 PKPbc 20:36:21.333 0.0 17.3 2.93 TAS m\_e  
FBE 145.46 PKPbc 20:36:22.507 0.3 17.3 2.93 TAS m\_e  
FLT1 144.53 PKPbc 20:36:18.856 0.1 17.3 2.93 TAS m\_e  
GEC2 147.31 PKPbc 20:36:27.374 17.3 2.93 TAS m\_e  
GRA1 147.06 PKPbc 20:36:26.286 -0.2 17.3 2.93 TAS m\_e  
GUNZ 146.20 PKPbc 20:36:24.593 17.3 2.93 TAS m\_e  
IBBN 145.04 PKPbc 20:36:21.203 0.3 17.3 2.93 TAS m\_e  
KAST 146.05 PKPbc 20:36:23.637 -0.4 17.3 2.93 TAS m\_e  
MOX 146.08 PKPbc 20:36:23.680 0.4 17.3 2.93 TAS m\_e  
NEUB 145.52 PKPbc 20:36:22.246 0.1 17.3 2.93 TAS m\_e  
NRDL 144.55 PKPbc 20:36:18.683 -0.1 17.3 2.93 TAS m\_e  
PLN 146.12 PKPbc 20:36:23.854 -0.6 17.3 2.93 TAS m\_e  
RETH 144.42 PKPbc 20:36:18.596 0.3 17.3 2.93 TAS m\_e  
ROTZ 146.79 PKPbc 20:36:26.461 17.3 2.93 TAS m\_e  
TANN 146.12 PKPbc 20:36:24.245 17.3 2.93 TAS m\_e  
WERD 146.13 PKPbc 20:36:24.158 17.3 2.93 TAS m\_e  
WLF 147.82 PKPbc 20:36:29.286 17.3 2.93 TAS m\_e

Event 70821004 Samoa Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author  
OrigID  
2017/08/21 21:12:30.18 -15.7840 -171.8550 33.0 21 143.99 148.15 m i ke BGR  
70821010

Magnitude Err Nsta Author OrigID  
Ms 5.0 BGR 70821010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	147.54		PKPbc	21:32:09.288		5.3		3.14		TAS				m_e	
CLZ	143.99		PKPbc	21:31:58.582	0.0	5.3		3.14		TAS				m_e	
FBE	144.70		PKPbc	21:32:00.459	0.1	5.3		3.14		TAS				m_e	
FUR	147.61		PKPbc	21:32:10.117		5.3		3.14		TAS				m_e	
GEC2	146.72		PKPbc	21:32:07.285		5.3		3.14		TAS				m_e	
GRA1	146.09		PKPbc	21:32:06.044		5.3		3.14		TAS				m_e	
GRA1	146.09		L	22:39:55.874						T__		234.2	20.50	a_e Ms	5.0
GUNZ	145.34		PKPbc	21:32:03.019		5.3		3.14		TAS				m_e	
KAST	144.67		PKPbc	21:32:00.644	-0.0	5.3		3.14		TAS				m_e	
MOX	145.12		PKPbc	21:32:01.855	0.2	5.3		3.14		TAS				m_e	
NEUB	144.56		PKPbc	21:31:59.994	0.0	5.3		3.14		TAS				m_e	
PLN	145.23		PKPbc	21:32:02.088	-0.1	5.3		3.14		TAS				m_e	
RJOB	147.91		PKPbc	21:32:10.877		5.3		3.14		TAS				m_e	
ROTZ	145.95		PKPbc	21:32:04.880		5.3		3.14		TAS				m_e	
STU	147.09		PKPbc	21:32:08.459		5.3		3.14		TAS				m_e	
TANN	145.28		PKPbc	21:32:02.554		5.3		3.14		TAS				m_e	
TNS	145.65		PKPbc	21:32:03.950		5.3		3.14		TAS				m_e	
UBR	148.15		PKPbc	21:32:11.291		5.3		3.14		TAS				m_e	
WERD	145.26		PKPbc	21:32:02.554	-0.4	5.3		3.14		TAS				m_e	
WERN	145.42		PKPbc	21:32:03.950		5.3		3.14		TAS				m_e	
WET	146.51		PKPbc	21:32:06.509		5.3		3.14		TAS				m_e	
WLF	146.17		PKPbc	21:32:06.276		5.3		3.14		TAS				m_e	

Event 70822006 Near coast of Chiapas, Mexico

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/22	22:14:59.80			14.2800	-93.0400				60.0					88.21	88.21	m i ke	EMSC

Magnitude Err Nsta Author OrigID  
mb 4.6 BGR 70822012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	88.21		P	22:27:45.611		289.9		5.38		TAS		3.5	1.03	m_e mb	4.6

Event 70823002 Rat Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/23	00:10:59.36			51.5870	179.6720				33.0					78.62	78.62	m i ke	BGR

70823008

Magnitude Err Nsta Author OrigID  
 mb 4.5 BGR 70823008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	78.62		P	00:22:56.240		10.1		4.87		TAS		4.8	1.04	m_e	mb 4.5

Event 70823005 Iraq

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/23	13:42:57.38			35.8200	44.5000				33.0			35		26.03	31.01	m i ke	BGR

OrigID  
70823011

Magnitude Err Nsta Author OrigID  
 mb 5.5 BGR 70823011  
 Ms 4.2 BGR 70823011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	30.63		P	13:49:07.794	-0.7	109.6		8.94		TAS		98.0	0.88	a_e	mb 5.7
ASSE	28.96		P	13:48:53.699	-0.2	109.6		8.94		TAS		21.7	1.10	m_e	mb 4.9
BFO	29.34		P	13:48:56.742	0.9	109.6		8.94		TAS		18.0	0.93	m_e	mb 4.9
BRG	26.59		P	13:48:32.944	-0.6	109.6		8.94		TAS		75.6	0.97	a_e	mb 5.4
BSEG	29.84		P	13:49:01.985	0.6	109.6		8.94		TAS		68.4	1.23	m_e	mb 5.3
BUG	30.75		S	13:54:10.361						T__				m_e	
BUG	30.75		P	13:49:10.644	-0.5	109.6		8.94		TAS		94.6	1.36	a_e	mb 5.5
CLL	27.31		P	13:48:39.194	0.2	109.6		8.94		TAS		115.0	1.05	a_e	mb 5.5
CLZ	29.03		P	13:48:54.894	-0.1	109.6		8.94		TAS		59.9	0.87	a_e	mb 5.4
FBE	26.96		P	13:48:36.194	-0.4	109.6		8.94		TAS		70.2	1.10	a_e	mb 5.3
FLT1	28.71		P	13:48:51.794	-0.7	109.6		8.94		TAS		237.5	1.76	a_e	mb 5.7
FUR	27.38		S	13:53:21.839						T__				m_e	
FUR	27.38		P	13:48:40.244	1.4	109.6		8.94		TAS		436.6	0.93	a_e	mb 6.2
GEC2	26.03		S	13:52:58.591						T__				m_e	
GEC2	26.03		P	13:48:28.044	-0.2	109.6		8.94		TAS		92.8	0.92	a_e	mb 5.4
GOR1	28.92		P	13:48:54.294	0.7	109.6		8.94		TAS		228.4	1.20	a_e	mb 5.9
GRA1	27.83		P	13:48:44.594	-0.3	109.6		8.94		TAS		338.9	1.35	m_e	mb 6.0
GRA1	27.83		L	14:04:31.308						T__		583.6	18.00	a_e	Ms 4.2
GTTG	29.17		P	13:48:56.344	0.1	109.6		8.94		TAS		73.5	1.21	a_e	mb 5.4
GUNZ	27.37		P	13:48:39.810	-0.1	109.6		8.94		TAS		72.5	1.24	m_e	mb 5.3
IBBN	30.71		P	13:49:10.544	-0.3	109.6		8.94		TAS		122.6	0.97	a_e	mb 5.8
KAST	29.99		P	13:49:03.944	-0.8	109.6		8.94		TAS		42.3	0.92	a_e	mb 5.3
MOX	27.89		P	13:48:44.361	-1.5	109.6		8.94		TAS		44.4	1.22	m_e	mb 5.2
NEUB	27.99		P	13:48:45.044	-0.4	109.6		8.94		TAS		53.6	0.91	a_e	mb 5.4
NRDL	29.41		P	13:48:58.794	-0.3	109.6		8.94		TAS		69.0	0.94	a_e	mb 5.5
PLN	27.51		P	13:48:40.944	-0.7	109.6		8.94		TAS		28.2	1.20	a_e	mb 5.0
RETH	29.93		P	13:49:03.694	0.4	109.6		8.94		TAS		217.9	1.27	a_e	mb 5.8

RGN	28.52	P	13:48:50.290	1.8	109.6	8.94	TAS	127.3	0.93	m_e	mb	5.7
RJOB	26.28	S	13:53:00.511				T__			m_e		
RJOB	26.28	P	13:48:30.869	1.2	109.6	8.94	TAS	132.4	0.86	m_e	mb	5.6
ROTZ	27.25	S	13:53:18.451				T__			m_e		
ROTZ	27.25	P	13:48:39.428	-0.3	109.6	8.94	TAS	35.4	0.99	m_e	mb	5.1
RUE	27.34	P	13:48:39.144	0.4	109.6	8.94	TAS	203.3	1.10	a_e	mb	5.8
STU	28.87	P	13:48:52.644	0.2	109.6	8.94	TAS	102.1	0.99	a_e	mb	5.6
TANN	27.31	P	13:48:39.202	-0.5	109.6	8.94	TAS	67.7	1.54	m_e	mb	5.1
TNS	29.70	P	13:49:01.194	0.3	109.6	8.94	TAS	237.0	1.57	a_e	mb	5.8
UBR	28.03	P	13:48:45.844		109.6	8.94	TAS	224.9	0.95	a_e	mb	6.0
WERD	27.41	P	13:48:39.988	-0.6	109.6	8.94	TAS	21.4	1.06	m_e	mb	4.8
WERN	27.31	P	13:48:39.694	0.2	109.6	8.94	TAS	83.9	1.05	a_e	mb	5.4
WET	26.64	P	13:48:33.194	0.0	109.6	8.94	TAS	114.7	0.99	a_e	mb	5.6
WLF	31.01	P	13:49:11.944	0.3	109.6	8.94	TAS	102.4	0.91	a_e	mb	5.7

Event 70823013 Northwestern Kashmir

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/23	20:58:46.06			35.7840	74.6990				33.0					47.28	47.28	m i ke	BGR
70823019																	

Magnitude Err Nsta Author OrigID  
 mb 4.8 BGR 70823019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	47.28		P	21:07:15.436		90.9		7.00		TAS		9.0	1.17	m_e	mb 4.8

Event 70824001 Komandorsky Islands, Russia, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/24	08:07:18.40			55.5240	167.2910				33.0					73.27	73.27	m i ke	BGR
70824007																	

Magnitude Err Nsta Author OrigID  
 mb 4.7 BGR 70824007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	73.27		P	08:18:44.695		13.4		5.13		TAS		7.0	1.16	m_e	mb 4.7

Event 70824003 Off east coast of Honshu, Japan

./2017/bull1708.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
2017/08/24	17:18:50.17			37.2160	142.9000				33.0					83.50	83.50	m i ke	BGR
OrigID 70824009																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	70824009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	83.50		P	17:31:13.432		41.6		4.55		TAS		5.2	1.06	m_e mb	4.7

Event 70825003 Afghanistan-Tajikistan border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2017/08/25	07:27:06.32			36.1700	72.1800				100.0					34	43.58	48.68	m i ke	BGR
OrigID 70825009																		

Magnitude	Err	Nsta	Author	OrigID
mb	5.4		BGR	70825009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	47.95		P	07:35:33.522	-1.4	81.5		8.31		TAS		41.0	0.79	m_e mb	5.6
ASSE	45.52		P	07:35:15.469	-0.5	81.5		8.31		TAS		8.3	0.77	m_e mb	4.8
BFO	47.50		P	07:35:30.835	-0.2	81.5		8.31		TAS		29.7	1.08	a_e mb	5.3
BRG	43.58		P	07:35:00.685	0.5	81.5		8.31		TAS		64.2	0.90	m_e mb	5.4
BSEG	45.61		P	07:35:16.885	0.7	81.5		8.31		TAS		79.3	0.86	a_e mb	5.8
BUG	47.70		P	07:35:32.935	0.0	81.5		8.31		TAS		53.0	0.92	a_e mb	5.7
BUG	47.70		PP	07:37:25.876		90.1		9.43		TAS				m_e	
CLL	44.14		P	07:35:04.435	-0.2	81.5		8.31		TAS		35.8	0.82	a_e mb	5.1
CLZ	45.73		P	07:35:17.735	0.1	81.5		8.31		TAS		67.0	1.13	a_e mb	5.6
FBE	43.94		P	07:35:03.535	0.3	81.5		8.31		TAS		86.4	0.93	a_e mb	5.5
FBE	43.94		PP	07:36:49.449	0.8	90.1		9.43		TAS				m_e	
FLT1	45.16		P	07:35:12.435	-0.7	81.5		8.31		TAS		118.0	0.84	a_e mb	5.8
FUR	45.58		P	07:35:16.674	0.7	81.5		8.31		TAS		81.1	1.14	m_e mb	5.7
GEC2	43.90		P	07:35:02.885	-0.5	81.5		8.31		TAS		19.1	1.09	a_e mb	4.7
GEC2	43.90		PP	07:36:45.733	-1.0	90.1		9.43		TAS				m_e	
GOR1	45.08		P	07:35:12.635	0.3	81.5		8.31		TAS		100.1	1.18	a_e mb	5.6
GRA1	45.42		P	07:35:16.473		81.5		8.31		TAS		68.2	1.10	m_e mb	5.5
GTTG	46.01		P	07:35:19.935	0.1	81.5		8.31		TAS		87.6	0.86	a_e mb	5.8
GUNZ	44.64		P	07:35:09.035	-0.2	81.5		8.31		TAS		33.6	1.04	a_e mb	5.2
IBBN	47.29		P	07:35:29.785	0.2	81.5		8.31		TAS		84.5	0.82	a_e mb	5.9
IBBN	47.29		PP	07:37:20.817		90.1		9.43		TAS				m_e	
KAST	47.02		P	07:35:27.435	-0.2	81.5		8.31		TAS		11.9	0.94	a_e mb	5.0
MOX	45.07		P	07:35:12.385		81.5		8.31		TAS		33.5	0.91	a_e mb	5.3
MOX	45.07		PP	07:36:59.809		90.1		9.43		TAS				m_e	
NEUB	44.92		P	07:35:10.935		81.5		8.31		TAS		74.2	0.91	a_e mb	5.6

NRDL	45.84	P	07:35:18.685	0.3	81.5	8.31	TAS	54.5	0.88	a_e	mb	5.6
PLN	44.74	P	07:35:09.735		81.5	8.31	TAS	28.3	0.96	a_e	mb	5.2
RETH	46.27	P	07:35:21.885	0.2	81.5	8.31	TAS	27.1	0.94	a_e	mb	5.3
RGN	43.83	P	07:35:02.785	0.7	81.5	8.31	TAS	223.7	1.16	a_e	mb	5.8
ROTZ	44.78	P	07:35:10.585		81.5	8.31	TAS	13.0	1.21	a_e	mb	4.7
RUE	43.60	P	07:35:00.693	-0.3	81.5	8.31	TAS	85.5	1.03	m_e	mb	5.4
STU	46.86	P	07:35:26.385	0.2	81.5	8.31	TAS	159.7	1.24	a_e	mb	6.0
TANN	44.55	P	07:35:08.335	-0.1	81.5	8.31	TAS	29.3	1.01	a_e	mb	5.2
TNS	47.13	P	07:35:28.585	0.1	81.5	8.31	TAS	27.1	1.02	a_e	mb	5.3
UBR	46.43	P	07:35:22.635	0.2	81.5	8.31	TAS	37.1	0.83	a_e	mb	5.4
WERD	44.65	P	07:35:08.935		81.5	8.31	TAS	37.9	1.08	a_e	mb	5.2
WERN	44.62	P	07:35:08.884	-0.2	81.5	8.31	TAS	15.1	1.05	m_e	mb	4.9
WET	44.41	P	07:35:07.761	0.2	81.5	8.31	TAS	14.2	1.15	m_e	mb	4.6
WLF	48.68	P	07:35:40.885	0.3	81.5	8.31	TAS			a_e		

Event 70831001 Southern Iran

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2017/08/31	01:30:36.09	5.19	0.40	28.1690	55.5790	90.1	52.3	139	10.0			35	349	38.11	43.11	m i ke	BGR
70831007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	70831007
Ms	4.5		BGR	70831007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	42.71		P	01:38:30.911	-1.7	107.1		8.26		TAS		42.3	1.07	m_e	mb	5.1
ASSE	40.95		P	01:38:18.084	-0.1	107.1		8.26		TAS		21.1	0.89	a_e	mb	4.9
BFO	41.44		P	01:38:22.301	0.8	107.1		8.26		TAS		5.1	0.77	m_e	mb	4.3
BRG	38.61		P	01:37:58.734	-0.1	107.1		8.26		TAS		23.3	0.84	m_e	mb	4.8
BSEG	41.74		P	01:38:24.134	0.0	107.1		8.26		TAS		22.5	0.86	a_e	mb	4.9
BUG	42.80		P	01:38:33.484	0.0	107.1		8.26		TAS		84.7	1.09	a_e	mb	5.4
CLL	39.32		P	01:38:04.784	0.1	107.1		8.26		TAS		70.1	1.29	a_e	mb	5.1
CLZ	41.04		P	01:38:19.234	0.3	107.1		8.26		TAS		59.2	0.87	a_e	mb	5.3
FBE	38.98		P	01:38:01.684	-0.2	107.1		8.26		TAS		12.5	0.83	a_e	mb	4.6
FLT1	40.69		P	01:38:15.684	-0.2	107.1		8.26		TAS		77.4	0.78	a_e	mb	5.5
FUR	39.48		P	01:38:05.834	0.3	107.1		8.26		TAS		778.5	3.10	a_e	mb	5.8
GEC2	38.11		P	01:37:54.834	0.2	107.1		8.26		TAS		66.5	1.37	a_e	mb	5.2
GOR1	40.87		P	01:38:17.334	0.2	107.1		8.26		TAS		62.0	0.91	a_e	mb	5.3
GRA1	39.91		P	01:38:09.934	0.4	107.1		8.26		TAS		58.6	0.87	a_e	mb	5.2
GRA1	39.91		L	01:57:49.785						T__		838.6	22.00	a_e	Ms	4.5
GTTG	41.20		P	01:38:20.634	0.4	107.1		8.26		TAS		18.4	0.93	a_e	mb	4.8
GUNZ	39.42		P	01:38:04.925	-0.7	107.1		8.26		TAS		6.1	0.83	m_e	mb	4.3
IBBN	42.72		P	01:38:32.734	-0.1	107.1		8.26		TAS		75.8	0.97	a_e	mb	5.4
KAST	42.04		P	01:38:27.534	0.3	107.1		8.26		TAS		36.1	0.88	a_e	mb	5.1
MOX	39.94		P	01:38:09.734	-0.1	107.1		8.26		TAS		12.8	0.92	a_e	mb	4.5



MOX	39.94	L	01:58:44.805			T__	716.9	20.80	a_e	Ms	4.5	
NEUB	40.01	P	01:38:10.384	-0.1	107.1	8.26	TAS	33.0	0.81	a_e	mb	5.0
NRDL	41.40	P	01:38:22.184	0.4	107.1	8.26	TAS	57.9	1.00	a_e	mb	5.3
PLN	39.56	P	01:38:06.334	-0.4	107.1	8.26	TAS	18.0	1.40	a_e	mb	4.5
RETH	41.90	P	01:38:26.000	0.1	107.1	8.26	TAS	14.1	0.94	m_e	mb	4.7
RGN	40.33	P	01:38:12.534	0.8	107.1	8.26	TAS	120.7	0.87	a_e	mb	5.5
RJOB	38.38	P	01:37:56.413	-0.0	107.1	8.26	TAS	62.3	0.93	m_e	mb	5.3
ROTZ	39.32	P	01:38:04.834	0.1	107.1	8.26	TAS	7.1	0.88	a_e	mb	4.3
RUE	39.28	P	01:38:03.734	-0.3	107.1	8.26	TAS	52.6	0.80	a_e	mb	5.2
STU	40.97	P	01:38:17.847	-0.1	107.1	8.26	TAS	51.0	0.78	m_e	mb	5.3
TANN	39.36	P	01:38:04.400	-0.7	107.1	8.26	TAS	4.9	0.90	m_e	mb	4.1
TNS	41.78	P	01:38:25.384	0.4	107.1	8.26	TAS	63.6	1.05	a_e	mb	5.3
UBR	40.13	P	01:38:11.334	0.7	107.1	8.26	TAS	104.8	0.96	a_e	mb	5.4
WERD	39.46	P	01:38:05.334	-0.6	107.1	8.26	TAS	7.1	1.09	a_e	mb	4.2
WERN	39.37	P	01:38:05.184	0.0	107.1	8.26	TAS	22.3	1.11	a_e	mb	4.7
WET	38.72	P	01:37:59.484	-0.2	107.1	8.26	TAS	42.0	1.11	a_e	mb	5.0
WLF	43.11	P	01:38:35.584	-0.1	107.1	8.26	TAS	26.4	0.85	a_e	mb	5.0