

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

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(produced by SZGRF/BGR - ERLANGEN and partly by CLL - Observatory)

MARCH 2007

UPDATED 02.JUNE.2008

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

(Format description at the end of the bulletin)

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source		
2007/03/01	02:01: 6.4	3.710N	95.850E	55.1	5.7			SZGRF		
Off west coast of northern Sumatera, Indonesia										
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:13:20.5	82.0	93.9	0.9	34	5.5		
	e pP	Z	02:13:35.8							
GEC2	e P	Z	02:13:21.0	82.0	93.5	1.2	85	5.8		
RUE	e P	Z	02:13:21.5	82.2	94.0	1.2	176	6.0		
FBE	e P	Z	02:13:22.7	82.4	93.5	1.0	46	5.6		
	e pP	Z	02:13:38.2							
WET	e P	Z	02:13:23.7	82.6	92.9	0.9	40	5.6		
CLL	e P	Z	02:13:23.3	82.6	93.3	1.0	32	5.5		
RGN	e P	Z	02:13:23.7	82.6	93.9	1.0	108	6.0		
TANN	e P	Z	02:13:25.3	82.9	92.7	4.1	434	6.0		
WERN	e P	Z	02:13:25.8	83.0	92.7	1.1	22	5.3		
GUNZ	e P	Z	02:13:25.8	83.0	92.6	0.9	23	5.4		
WERD	e P	Z	02:13:25.7	83.0	92.6	0.9	23	5.4		
	e pP	Z	02:13:41.7							
ROTZ	e P	Z	02:13:26.3	83.1	92.5	0.9	40	5.6		
	e pP	Z	02:13:42.0							
MANZ	e P	Z	02:13:26.9	83.1	92.4	1.1	65	5.8		
MOX	e P	Z	02:13:28.1	83.5	92.1	1.5	51	5.5		
FUR	e P	Z	02:13:28.4	83.6	91.6	0.9	36	5.6		
GRA1	e P	Z	02:13:29.6	83.7	91.7	1.0	58	5.8		
CLZ	e P	Z	02:13:32.2	84.3	91.3	0.9	46	5.7		
BSEG	e P	Z	02:13:32.6	84.4	91.4	0.9	83	5.9		
	e pP	Z	02:13:48.4							
NRDL	e P	Z	02:13:33.3	84.5	91.1	1.5	111	5.9		
STU	e P	Z	02:13:35.8	85.0	90.1	0.8	38	5.7		
	e pP	Z	02:13:51.7							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

2

TNS	e P	Z	02:13:38.4	85.5	89.6	0.9	31	5.4
BFO	e P	Z	02:13:38.1	85.6	89.4	1.0	44	5.6
HLG	e P	Z	02:13:38.3	85.8	89.5			
IBBN	e P	Z	02:13:40.5	85.9	89.2	0.9	66	5.8
BUG	e P	Z	02:13:41.7	86.2	88.8	0.9	58	5.7
WLF	e P	Z	02:13:46.2	87.0	87.8	1.9	146	5.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/01	05:08:15.7	10.302N	93.049E	33.0N	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 05:19:55.8	75.3	91.1	1.0	20	5.1		
WET	e P	Z 05:19:58.7	75.8	90.6	0.6	8	5.0		
GRA1	e P	Z 05:20:05.1	76.9	89.5	1.2	23	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/01	15:15:26.0	0.300S	124.300E	60.0				NEIC

Southern Molucca Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 15:33:51.1	104.9	72.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/01	16:39:57.3	19.372S	169.635W	33.0N				SZGRF

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z 16:59:36.8	146.9	359.6					
CLL	e PKPbc	Z 16:59:38.9	148.0	4.7					
FBE	e PKPbc	Z 16:59:40.7	148.4	5.4					
BRG	e PKPbc	Z 16:59:40.6	148.4	6.4					
MOX	e PKPbc	Z 16:59:41.9	148.7	2.3					
WERD	e PKPbc	Z 16:59:41.2	148.9	3.5					
TANN	e PKPbc	Z 16:59:41.7	148.9	3.8					
GUNZ	e PKPbc	Z 16:59:41.9	149.0	3.6					
WERN	e PKPbc	Z 16:59:43.3	149.0	3.7					
MANZ	e PKPbc	Z 16:59:43.3	149.4	3.2					
ROTZ	e PKPbc	Z 16:59:44.3	149.6	3.4					
GRA1	e PKPbc	Z 16:59:43.5	149.7	1.6					
WET	e PKPbc	Z 16:59:45.7	150.2	4.8					
GEC2	e PKPbc	Z 16:59:45.6	150.4	6.4					
BFO	e PKPbc	Z 16:59:47.3	151.0	356.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/01	23:01:57.8	26.050N	44.860W	33.0N	5.4			SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e P	Z	23:10:24.9	46.6	257.5	3.0	382	6.0		
BFO	e P	Z	23:10:25.7	46.7	261.3	1.6	63	5.5		
IBBN	e P	Z	23:10:28.9	47.1	257.1	0.8	26	5.4		
TNS	e P	Z	23:10:29.1	47.1	259.6	1.6	52	5.4		
STU	e P	Z	23:10:30.4	47.3	261.6	1.4	46	5.4		
UBBA	e P	Z	23:10:37.2	48.2	260.5	2.9	215	5.8		
NRDL	e P	Z	23:10:40.5	48.5	259.1	1.4	68	5.5		
CLZ	e P	Z	23:10:40.5	48.6	259.9	1.6	62	5.4		
FUR	e P	Z	23:10:40.6	48.6	263.9	1.8	88	5.5		
GRA1	e P	Z	23:10:41.9	48.8	262.5	1.2	35	5.3		
BSEG	e P	Z	23:10:42.9	48.9	258.0	1.4	101	5.7		
MOX	e P	Z	23:10:44.9	49.1	262.0	1.1	20	5.1		
MANZ	e P	Z	23:10:46.8	49.4	263.0					
ROTZ	e P	Z	23:10:47.2	49.4	263.3	1.7	50	5.3		
WERD	e P	Z	23:10:48.0	49.5	262.8	2.3	82	5.3		
GUNZ	e P	Z	23:10:48.6	49.6	262.8	2.4	124	5.4		
WERN	e P	Z	23:10:48.7	49.6	263.0	1.4	44	5.2		
TANN	e P	Z	23:10:49.1	49.6	262.9	2.0	52	5.1		
WET	e P	Z	23:10:49.7	49.8	264.3	1.9	64	5.2		
CLL	e P	Z	23:10:51.8	50.1	262.6	1.3	33	5.1		
FBE	e P	Z	23:10:52.9	50.3	263.2	2.3	179	5.6		
GEC2	e P	Z	23:10:53.5	50.3	265.2	1.7	56	5.2		
BRG	e P	Z	23:10:56.0	50.6	263.8	3.2	282	5.7		
RUE	e P	Z	23:10:57.0	50.7	262.3	1.6	91	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/01	23:04:39.3	26.390N	44.410W	33.0N	5.6			SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	23:12:52.3	45.0	258.1	2.0	157	5.6		
BUG	e P	Z	23:13:00.2	46.1	257.4	2.3	239	5.8		
BFO	e P	Z	23:13:01.1	46.2	261.3	2.4	282	5.9		
TNS	e P	Z	23:13:04.7	46.6	259.6	2.1	114	5.6		
IBBN	e P	Z	23:13:04.2	46.6	257.0	3.9	1290	6.4		
STU	e P	Z	23:13:05.7	46.8	261.6	2.3	131	5.7		
UBBA	e P	Z	23:13:12.7	47.6	260.4	1.9	58	5.4		
NRDL	e P	Z	23:13:15.9	48.0	259.0	2.2	215	5.9		
CLZ	e P	Z	23:13:16.1	48.0	259.8	1.8	55	5.4		

FUR	e P	Z	23:13:16.8	48.1	263.8				
GRA1	e P	Z	23:13:17.3	48.2	262.4	1.8	98	5.6	
BSEG	e P	Z	23:13:18.6	48.4	257.9	2.0	272	6.0	
MOX	e P	Z	23:13:20.3	48.6	261.9	1.6	42	5.2	
MANZ	e P	Z	23:13:22.2	48.8	262.9	1.9	77	5.4	
ROTZ	e P	Z	23:13:22.2	48.9	263.2	2.1	99	5.5	
WERD	e P	Z	23:13:23.5	49.0	262.7	3.4	294	5.7	
GUNZ	e P	Z	23:13:23.9	49.0	262.8	2.1	106	5.5	
WERN	e P	Z	23:13:24.0	49.0	262.9	2.2	167	5.7	
TANN	e P	Z	23:13:24.5	49.1	262.9	2.3	99	5.4	
WET	e P	Z	23:13:25.2	49.2	264.3	1.9	80	5.4	
CLL	e P	Z	23:13:27.5	49.6	262.5	1.8	62	5.2	
FBE	e P	Z	23:13:29.3	49.7	263.2	1.6	61	5.3	
GEC2	e P	Z	23:13:29.0	49.8	265.2	1.8	81	5.3	
BRG	e P	Z	23:13:31.9	50.1	263.7	2.1	95	5.4	
RUE	e P	Z	23:13:32.3	50.2	262.2	1.5	71	5.4	
RGN	e P	Z	23:13:32.6	50.2	260.1	1.3	106	5.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/01	23:11:52.0	26.180N	44.740W	33.0N	5.6	5.7		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 23:20:08.0	45.4	258.2	1.5	120	5.6		
BUG	e P	Z 23:20:16.4	46.4	257.5	1.6	88	5.5		
BFO	e P	Z 23:20:17.0	46.5	261.3	1.3	77	5.7		
IBBN	e P	Z 23:20:20.1	46.9	257.1	1.3	82	5.7		
TNS	e P	Z 23:20:20.5	46.9	259.7	1.3	79	5.7		
STU	e P	Z 23:20:21.6	47.2	261.6	1.1	61	5.6		
UBBA	e P	Z 23:20:28.6	48.0	260.5	1.5	49	5.4		
NRDL	e P	Z 23:20:31.7	48.4	259.1	1.2	100	5.8		
CLZ	e P	Z 23:20:31.8	48.4	259.9	2.6	376	6.1		
FUR	e P	Z 23:20:32.6	48.4	263.9	2.2	276	5.9		
GRA1	e P	Z 23:20:33.3	48.6	262.5	1.6	137	5.7		
	e S	R 23:27:39.9							
	e L	Z 23:35:59.2			26.3	10892		5.7	
BSEG	e P	Z 23:20:34.5	48.8	258.0	1.3	217	6.0		
MOX	e P	Z 23:20:36.1	49.0	262.0	1.4	58	5.4		
MANZ	e P	Z 23:20:38.2	49.2	263.0	1.8	92	5.5		
ROTZ	e P	Z 23:20:38.2	49.2	263.3	1.5	50	5.3		
WERD	e P	Z 23:20:39.3	49.4	262.8	1.6	68	5.4		
GUNZ	e P	Z 23:20:39.7	49.4	262.9	1.8	96	5.5		
WERN	e P	Z 23:20:39.8	49.4	263.0	1.5	119	5.7		
TANN	e P	Z 23:20:40.4	49.5	262.9	1.8	88	5.4		
WET	e P	Z 23:20:41.0	49.6	264.4	1.7	95	5.4		
CLL	e P	Z 23:20:43.3	49.9	262.6	1.6	96	5.5		
FBE	e P	Z 23:20:44.8	50.1	263.3	1.3	96	5.6		

GEC2	e P	Z	23:20:44.9	50.1	265.3	1.8	145	5.6
BRG	e P	Z	23:20:47.6	50.5	263.8	1.7	109	5.5
RUE	e P	Z	23:20:48.2	50.6	262.3	1.5	165	5.7
RGN	e P	Z	23:20:48.6	50.6	260.3	1.5	144	5.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/02								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:08:05.4							
	e pPKP	Z 00:08:09.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/02	09:05:48.4	22.770S	177.250W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 09:25:31.2	148.3	13.4					
RUE	e PKPbc	Z 09:25:33.7	149.1	20.1					
NRDL	e PKPbc	Z 09:25:35.0	149.7	13.6					
IBBN	e PKPbc	Z 09:25:36.6	150.2	9.3					
CLZ	e PKPbc	Z 09:25:36.7	150.3	14.3					
CLL	e PKPdf	Z 09:25:32.2	150.4	19.4					
	e PKPbc	Z 09:25:36.7							
	e PKiKP	Z 09:25:38.5							
	e PKPab	Z 09:25:42.6							
BRG	e PKPbc	Z 09:25:36.7	150.6	21.4					
FBE	e PKPbc	Z 09:25:37.0	150.7	20.3					
BUG	e PKPbc	Z 09:25:38.3	151.1	8.7					
MOX	e PKPbc	Z 09:25:38.9	151.3	17.2					
	e PKPab	Z 09:25:46.7							
TANN	e PKPbc	Z 09:25:39.0	151.3	18.9					
WERD	e PKPbc	Z 09:25:38.9	151.3	18.6					
	e PKPab	Z 09:25:46.9							
UBBA	e PKPbc	Z 09:25:38.8	151.4	14.1					
GUNZ	e PKPbc	Z 09:25:39.3	151.4	18.7					
	e PKPab	Z 09:25:47.4							
WERN	e PKPbc	Z 09:25:39.5	151.5	18.8					
	e PKPab	Z 09:25:47.8							
MANZ	e PKPbc	Z 09:25:40.3	151.8	18.5					
ROTZ	e PKPbc	Z 09:25:40.5	152.0	18.8					
	e PKPab	Z 09:25:49.6							
TNS	e PKPbc	Z 09:25:40.9	152.2	11.3					
	e PKPab	Z 09:25:50.1							
GRA1	e PKPbc	Z 09:25:41.2	152.3	17.0					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

6

	e	PKPab	Z	09:25:51.2							
WET	e	PKPbc	Z	09:25:41.5	152.4	20.5					
	e	PKPab	Z	09:25:51.8							
GEC2	e	PKPbc	Z	09:25:41.6	152.5	22.3					
	e	PKPab	Z	09:25:51.8							
BFO	e	PKPbc	Z	09:25:44.6	154.1	11.8					
	e	PKPab	Z	09:25:58.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/02	20:14:5.2	41.142N	143.477E	33.0N	4.4	4.9		SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:26:11.6	80.0	34.5	1.2	6	4.4		
	e L	Z 21:04:26.4			19.3	488		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	17:21:49.0	46.552N	153.564E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	+ Z 17:33:34.1	76.4	26.7	1.0	14	5.0		
	e sP	Z 17:33:49.1							
	e (S)	N 17:43:20.9							
	e SS	N 17:48:14.8							
	e (SSS)	E 17:51:38.8							
	e LR	Z 17:59:09.4							
BRG	e P	Z 17:33:34.2	76.5	27.3	1.2	8	4.7		
CLZ	e P	Z 17:33:35.9	76.7	25.1	0.9	10	4.9		
FBE	e P	Z 17:33:36.0	76.7	26.9	1.0	10	4.9		
GUNZ	e P	Z 17:33:40.6	77.5	26.2	0.9	7	4.8		
GRA1	e P	Z 17:33:46.6	78.4	25.4					
WET	e P	Z 17:33:46.0	78.4	26.4	1.0	7	4.6		
TNS	e P	Z 17:33:47.2	78.6	23.7	2.6	42	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	18:08:50.0	13.931N	58.465E	33.0N	5.1	4.3		SZGRF

Owen Fracture Zone region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 18:17:59.1	52.1	118.8	2.3	135	5.5		
	e PcP	Z 18:19:13.7							
	e PP	Z 18:19:58.7							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

7

	e S	E	18:25:31.9								
	e SS	E	18:29:06.8								
	e SSS	N	18:30:25.2								
GRA1	e P	Z	18:17:59.6	52.4	115.9	0.8		22	5.1		
	e PP	Z	18:20:04.5								
	e L	Z	18:41:40.6			21.4		322		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	18:13:25.7	23.741S	178.717W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i PKPbc	Z 18:33:15.2	151.0	22.5	1.2	21			
	i PKPab	Z 18:33:21.6							
CLZ	e PKPbc	Z 18:33:15.5	151.0	17.4					
BRG	e PKPbc	Z 18:33:15.6	151.2	24.6					
FBE	e PKPbc	Z 18:33:16.2	151.3	23.5					
MOX	e PKPbc	Z 18:33:17.4	151.9	20.4					
TANN	e PKPbc	Z 18:33:17.6	151.9	22.2					
WERD	e PKPbc	Z 18:33:17.7	152.0	21.9					
GUNZ	e PKPbc	Z 18:33:17.7	152.0	22.0					
MANZ	e PKPbc	Z 18:33:18.8	152.4	21.8					
ROTZ	e PKPbc	Z 18:33:18.9	152.6	22.2					
GRA1	e PKPbc	Z 18:33:19.7	152.9	20.3					
TNS	e PKPbc	Z 18:33:19.9	152.9	14.5					
GEC2	e PKPbc	Z 18:33:20.1	153.1	25.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	20:01:40.3	40.073N	141.255E	33.0G	4.7			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:13:47.1	80.1	36.5	0.9	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	20:08:29.6	-0.000N	126.800E	47.0				NEIC

Northern Molucca Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e Pdiff	Z 20:22:30.1	104.7	71.1	1.9	19			
	e pPdiff	Z 20:22:40.9							
	e PP	Z 20:26:51.9							
	e SKSac	E 20:33:05.6							

	e Sdiff	N	20:34:16.6						
	e PS	Z	20:36:02.8						
	e SS	N	20:41:42.8						
	e SSS	N	20:45:36.5						
GRA1	e PP	Z	20:27:04.5	106.2	69.9				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	20:35:35.0	47.622N	17.005E	10.0G			3.0	SZGRF

Hungary

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 20:36:17.3	2.5	117.8					3.0
WET	e Sg	N 20:37:12.2	3.1	117.5					3.1
ROTZ	e Sg	N 20:37:35.0	3.8	122.3					
TANN	e Pn	Z 20:36:39.1	4.1	131.4					
MOX	e Sg	E 20:38:01.7	4.6	128.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/03	20:52:22.4	55.010S	125.200W	33.0N		5.3		SZGRF

Southern East Pacific Rise

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e PKPab	Z 21:12:16.6	150.4	240.7					
BFO	e PKPdf	Z 21:12:06.7	151.0	239.0					
STU	e PKPdf	Z 21:12:08.6	151.7	239.8					
BUG	e PKPdf	Z 21:12:09.1	151.9	243.8					
	e PKPab	Z 21:12:22.4							
TNS	e PKPdf	Z 21:12:08.9	152.0	242.1					
IBBN	e PKPab	Z 21:12:25.0	152.5	245.4					
	e PP	Z 21:16:00.1							
FUR	e PKPab	Z 21:12:25.7	152.6	239.1					
GRA1	e PKPdf	Z 21:12:11.1	153.3	241.7					
	e PKPab	Z 21:12:29.4							
	e L	Z 22:19:21.1			20.2	524		5.3	
CLZ	e PKPdf	Z 21:12:13.0	153.8	245.4					
	e PKPab	Z 21:12:30.6							
NRDL	e PKPab	Z 21:12:31.4	153.9	246.5					
MANZ	e PKPab	Z 21:12:31.2	154.0	242.3					
WERN	e PKPdf	Z 21:12:12.3	154.2	242.9					
GUNZ	e PKPab	Z 21:12:32.1	154.3	243.0					
WERD	e PKPdf	Z 21:12:12.3	154.3	243.2					
TANN	e PP	Z 21:16:12.0	154.4	243.2					
BSEG	e PKPdf	Z 21:12:12.9	154.6	249.3					
CLL	e PKPdf	Z 21:12:13.4	155.1	245.0					
	e PKPab	Z 21:12:35.7							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

9

FBE	e PKPdf	Z	21:12:13.5	155.1	244.3
BRG	e PKPdf	Z	21:12:13.6	155.4	244.3
	e PKPab	Z	21:12:37.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	02:50: 7.1	5.800S	152.500E	38.0				NEIC
New Britain, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:09:04.0	125.4	49.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	08:59:59.0	15.549S	23.936E	64.4	4.4			SZGRF
Zambia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:10:43.9	66.2	166.6	0.8	2	4.4		
	e pP	Z 09:11:01.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	11:26:13.0	33.477N	38.603W	33.0N	4.6	5.0		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:33:42.9	39.8	265.2	1.3	21	4.6		
	e PP	Z 11:35:17.3							
	e S	R 11:39:51.5							
	e L	Z 11:46:47.7			20.6	2076		5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	15:26:41.6	22.116S	177.991W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 15:46:22.4	147.6	14.5					
NRDL	e PKPbc	Z 15:46:26.0	149.0	14.7					
CLZ	e PKPbc	Z 15:46:27.7	149.6	15.4					
CLL	e PKPbc	Z 15:46:27.4	149.6	20.4					
BRG	e PKPbc	Z 15:46:28.0	149.8	22.4					
FBE	e PKPbc	Z 15:46:28.4	149.9	21.3					
MOX	e PKPbc	Z 15:46:28.6	150.5	18.3					

TANN	e	PKPbc	Z	15:46:30.0	150.5	20.0
WERD	e	PKPbc	Z	15:46:30.0	150.5	19.7
GUNZ	e	PKPbc	Z	15:46:30.3	150.6	19.8
WERN	e	PKPbc	Z	15:46:30.7	150.7	19.9
MANZ	e	PKPbc	Z	15:46:31.1	151.0	19.6
ROTZ	e	PKPbc	Z	15:46:31.1	151.2	19.9
TNS	e	PKPbc	Z	15:46:32.3	151.4	12.6
GRA1	e	PKPbc	Z	15:46:32.2	151.5	18.1
GEC2	e	PKPbc	Z	15:46:32.3	151.7	23.3
WLF	e	PKPbc	Z	15:46:34.7	152.3	8.3
STU	e	PKPbc	Z	15:46:34.9	152.7	14.7
BFO	e	PKPbc	Z	15:46:36.3	153.3	13.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	18:46:12.1	45.513N	154.369E	33.0N	4.4			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:58:16.1	79.6	25.3	1.0	6	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	21:59: 9.8	36.547N	32.518W	33.0N	4.6			SZGRF
Azores Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:05:50.3	33.9	264.1	1.1	8	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	22:39:18.3	33.780N	37.750W	33.0N	5.1	4.0		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e P	Z 22:46:23.8	36.8	259.1	1.1	44	5.1		
BFO	e P	Z 22:46:25.9	37.0	264.2	1.3	87	5.3		
IBBN	e P	Z 22:46:27.2	37.2	258.5	1.2	59	5.2		
TNS	e P	Z 22:46:28.9	37.3	261.8	1.3	65	5.2		
STU	e P	Z 22:46:31.1	37.6	264.3	1.1	56	5.2		
NRDL	e P	Z 22:46:40.4	38.7	260.4	1.3	58	5.1		
CLZ	e P	Z 22:46:40.6	38.7	261.5	1.1	67	5.2		
FUR	e P	Z 22:46:42.3	38.9	266.8	1.8	91	5.1		
GRA1	e P	Z 22:46:43.0	39.0	264.9	1.1	72	5.2		
	e L	Z 22:58:39.1			21.2	240		4.0	
BSEG	e P	Z 22:46:43.4	39.1	258.9	1.0	106	5.4		

MOX	e P	Z	22:46:45.2	39.4	264.0	1.2	38	4.9
MANZ	e P	Z	22:46:47.4	39.6	265.2	1.1	38	4.9
ROTZ	e P	Z	22:46:48.2	39.7	265.6	1.9	54	4.9
WERD	e P	Z	22:46:49.2	39.8	264.9	1.3	40	4.9
GUNZ	e P	Z	22:46:49.4	39.8	265.0	1.2	44	5.0
WERN	e P	Z	22:46:49.8	39.8	265.1	1.2	60	5.1
TANN	e P	Z	22:46:50.4	39.9	265.0	1.4	35	4.8
WET	e P	Z	22:46:51.4	40.1	266.9	1.2	39	4.9
CLL	e P	Z	22:46:53.5	40.3	264.4	1.1	44	5.0
FBE	e P	Z	22:46:54.8	40.5	265.2	1.1	56	5.2
GEC2	e P	Z	22:46:55.6	40.6	267.9	1.1	31	5.0
BRG	e P	Z	22:46:58.2	40.8	265.7	1.2	36	5.0
RUE	e P	Z	22:46:58.6	40.9	263.7	1.3	66	5.2

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/04 23:42: 6.8 22.350S 177.930W 33.0G
 South of Fiji Islands SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	00:01:48.3	147.8	14.4					
RUE	e PKPbc	Z	00:01:50.6	148.6	21.1					
NRDL	e PKPbc	Z	00:01:51.7	149.2	14.6					
IBBN	e PKPbc	Z	00:01:53.4	149.7	10.5					
CLZ	e PKPbc	Z	00:01:53.1	149.8	15.4					
CLL	e PKPdf	Z	00:01:49.1	149.8	20.4					
	i PKPbc	- Z	00:01:53.6			0.9	53			
	e PKPab	Z	00:01:58.6			0.8	27			
	e pPKPbc	Z	00:04:06.6							
	e PKSdf	Z	00:05:23.0							
BRG	e PKPbc	Z	00:01:53.7	150.0	22.4					
	e PKPab	Z	00:01:59.6							
FBE	e PKPbc	Z	00:01:54.3	150.1	21.3					
	e PKPab	Z	00:02:00.2							
BUG	e PKPbc	Z	00:01:55.6	150.6	9.8					
MOX	e PKPbc	Z	00:01:55.7	150.7	18.3					
	e PKPab	Z	00:02:02.5							
TANN	e PKPbc	Z	00:01:55.8	150.8	20.0					
	e PKPab	Z	00:02:02.8							
WERD	e PKPbc	Z	00:01:55.7	150.8	19.7					
	e PKPab	Z	00:02:02.9							
GUNZ	e PKPbc	Z	00:01:56.0	150.9	19.8					
	e PKPab	Z	00:02:03.3							
WERN	e PKPbc	Z	00:01:56.3	150.9	19.9					
	e PKPab	Z	00:02:03.6							
MANZ	e PKPbc	Z	00:01:57.2	151.3	19.6					
	e PKPab	Z	00:02:05.1							
ROTZ	e PKPbc	Z	00:01:57.6	151.4	19.9					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

12

TNS	e PKPbc	Z	00:01:58.2	151.7	12.5
	e PKPab	Z	00:02:06.7		
GRA1	e PKPbc	Z	00:01:58.1	151.7	18.1
	e PKPab	Z	00:02:06.8		
WET	e PKPbc	Z	00:01:58.5	151.9	21.6
	e PKPab	Z	00:02:07.4		
GEC2	e PKPbc	Z	00:01:58.7	151.9	23.4
	e PKPab	Z	00:02:07.9		
WLF	e PKPbc	Z	00:01:59.9	152.5	8.2
STU	e PKPbc	Z	00:02:01.3	153.0	14.6
	e PKPab	Z	00:02:12.0		
FUR	e PKPbc	Z	00:02:01.4	153.2	19.1
BFO	e PKPbc	Z	00:02:01.7	153.5	13.1
	e PKPab	Z	00:02:14.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/04	23:49:27.8	16.973S	172.289W	33.0				SZGRF
Samoa Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	00:08:58.0	144.2	9.9					
NRDL	e PKPbc	Z	00:08:59.0	144.4	3.9					
IBBN	e PKPbc	Z	00:08:59.9	144.7	0.1					
CLZ	e PKPbc	Z	00:09:00.9	145.1	4.4					
CLL	e PKPbc	Z	00:09:01.0	145.4	8.9					
BUG	e PKPbc	Z	00:09:02.2	145.5	359.3					
BRG	e PKPbc	Z	00:09:02.5	145.7	10.6					
FBE	e PKPbc	Z	00:09:02.9	145.8	9.6					
MOX	e PKPbc	Z	00:09:03.9	146.2	6.7					
WERD	e PKPbc	Z	00:09:04.6	146.3	7.9					
TANN	e PKPbc	Z	00:09:04.8	146.3	8.2					
GUNZ	e PKPbc	Z	00:09:04.5	146.4	8.0					
WERN	e PKPbc	Z	00:09:05.5	146.5	8.1					
TNS	e PKPbc	Z	00:09:06.1	146.7	1.3					
MANZ	e PKPbc	Z	00:09:06.2	146.8	7.7					
ROTZ	e PKPbc	Z	00:09:06.7	147.0	7.9					
GRA1	e PKPbc	Z	00:09:07.1	147.2	6.2					
WET	e PKPbc	Z	00:09:08.1	147.6	9.2					
GEC2	e PKPbc	Z	00:09:08.5	147.8	10.8					
BFO	e PKPbc	Z	00:09:10.6	148.6	1.1					
FUR	e PKPbc	Z	00:09:11.1	148.7	6.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/05	01:15:50.1	30.350S	177.788W	35.0G				NEIC
Kermadec Islands, New Zealand								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPab	Z	01:36:05.3	155.7	17.2					
RUE	e PKPab	Z	01:36:07.8	156.3	25.5					
NRDL	e PKPab	Z	01:36:11.5	157.1	17.7					
CLL	e PKPab	Z	01:36:13.4	157.6	25.0					
BRG	e PKPab	Z	01:36:13.9	157.7	27.5					
TANN	e PKPab	Z	01:36:17.7	158.5	24.8					
MOX	e PKPab	Z	01:36:17.1	158.5	22.7					
WERD	e PKPab	Z	01:36:17.7	158.5	24.4					
GUNZ	e PKPab	Z	01:36:17.7	158.6	24.6					
WERN	e PKPab	Z	01:36:18.2	158.7	24.7					
ROTZ	e PKPab	Z	01:36:20.8	159.2	24.9					
GRA1	e PKPab	Z	01:36:21.9	159.5	22.7					
WET	e PKPab	Z	01:36:22.0	159.5	27.2					
GEC2	e PKPab	Z	01:36:21.4	159.5	29.5					
STU	e PKPab	Z	01:36:28.2	160.8	18.6					
FUR	e PKPab	Z	01:36:28.3	160.9	24.5					
BFO	e PKPab	Z	01:36:30.4	161.4	16.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/05	07:29:11.0	70.297N	10.753W	33.0N	4.0			SZGRF

Jan Mayen Island region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:34:14.0	23.0	341.2	1.0	5	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/05								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	18:59:37.8							
	e Sn	N	19:00:36.5							
WET	e Pn	Z	18:59:41.6							
	e Sn	Z	19:00:37.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/05								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	20:17:16.8							
	e Sn	N	20:18:06.6							
GEC2	e Pn	Z	20:17:28.4							

e Sn N 20:18:27.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	03:49:28.9	1.210S	103.170E	19.1	6.2	6.1		SZGRF

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
BRG	e P	Z 04:02:29.5	90.5	91.4	1.5	319	6.4			
	e pP	Z 04:02:35.1								
	e S	T 04:13:23.2								
GEC2	e P	Z 04:02:29.9	90.6	91.2	1.4	230	6.3			
	e S	T 04:13:24.0								
RUE	e P	Z 04:02:30.7	90.6	91.2	1.2	619	6.8			
	e S	T 04:13:24.1								
FBE	e P	Z 04:02:31.4	90.8	90.9	1.5	369	6.5			
RGN	e S	T 04:13:29.3	90.9	90.8						
CLL	e P	Z 04:02:32.6	91.0	90.6	1.2	149	6.1			
	e pP	Z 04:02:37.3								
	e PP	Z 04:05:58.2								
	e SKSac	E 04:13:02.0								
	e S	N 04:13:21.1								
	e SP	Z 04:14:19.7								
	e PPS	E 04:14:47.0								
	e SS	N 04:19:17.6								
	e SSS	N 04:22:46.6								
	e SSSS	N 04:25:59.4								
	e LR	Z 04:34:39.1								
	WET	e P	Z 04:02:32.4	91.1	90.6	1.5	177	6.2		
		e S	T 04:13:29.8							
TANN	e P	Z 04:02:33.8	91.4	90.2	1.4	118	6.0			
	e pP	Z 04:02:39.3								
	e S	T 04:13:32.8								
WERN	e P	Z 04:02:34.4	91.4	90.2	1.2	90	6.0			
GUNZ	e P	Z 04:02:34.5	91.5	90.1	1.4	159	6.2			
WERD	e P	Z 04:02:34.3	91.5	90.1	1.5	179	6.2			
	e pP	Z 04:02:39.8								
ROTZ	e P	Z 04:02:34.4	91.5	90.0	1.5	199	6.2			
	e S	T 04:13:34.7								
MANZ	e P	Z 04:02:35.3	91.6	90.0	1.3	243	6.4			
	e S	T 04:13:35.4								
MOX	e P	Z 04:02:36.4	91.9	89.6	1.3	137	6.1			
	e S	T 04:13:37.3								
FUR	e S	T 04:13:36.8	92.2	89.4						
GRA1	e P	Z 04:02:38.0	92.2	89.3	1.3	224	6.4			
	e S	T 04:13:40.5								
	e L	Z 04:48:11.7			19.4	7261		6.1		
BSEG	e P	Z 04:02:39.9	92.7	88.4	1.2	104	6.1			

	e S	T	04:13:44.9						
CLZ	e P	Z	04:02:40.0	92.7	88.5	1.3	131	6.2	
	e pP	Z	04:02:45.2						
	e S	T	04:13:44.1						
UBBA	e P	Z	04:02:40.7	92.9	88.3	1.7	117	6.1	
	e S	T	04:13:45.1						
STU	e P	Z	04:02:43.0	93.5	87.8				
	e S	T	04:13:51.2						
TNS	e P	Z	04:02:45.2	94.0	87.1	1.2	120	6.1	
	e pP	Z	04:02:51.3						
	e S	T	04:13:55.8						
HLG	e S	T	04:13:59.1	94.1	86.4				
BFO	e S	T	04:13:56.5	94.1	87.2				
BUG	e S	T	04:14:02.4	94.6	86.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	05:49:27.4	0.970S	100.570E	33.0N	6.2	6.1		SZGRF
Southern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 06:02:17.3	88.6	93.2	1.2	218	6.3		
	e S	T 06:13:03.2							
GEC2	e P	Z 06:02:17.6	88.7	93.0	1.3	195	6.3		
	e S	T 06:13:03.3							
RUE	e P	Z 06:02:18.0	88.8	93.1	1.2	630	6.8		
	e S	T 06:13:01.9							
FBE	e P	Z 06:02:19.1	89.0	92.8	1.3	255	6.4		
RGN	e P	Z 06:02:19.9	89.2	92.8	1.4	410	6.6		
WET	e P	Z 06:02:20.2	89.2	92.4	1.2	146	6.2		
	e S	T 06:13:08.0							
CLL	e P	Z 06:02:19.9	89.2	92.5	1.7	303	6.3		
	e PP	Z 06:05:51.4							
	e S	N 06:13:05.5							
	e PS	N 06:14:11.4							
	e SS	N 06:19:01.9							
	e SSS	N 06:22:34.5							
	e SSSS	N 06:25:42.5							
	e LR	Z 06:34:35.0							
TANN	e P	Z 06:02:21.6	89.5	92.1	1.3	101	6.0		
WERN	e P	Z 06:02:21.9	89.6	92.0	1.1	76	5.9		
GUNZ	e P	Z 06:02:22.1	89.6	92.0	1.2	139	6.1		
WERD	e P	Z 06:02:21.9	89.6	92.0	1.2	126	6.1		
ROTZ	e P	Z 06:02:22.6	89.7	91.9	1.3	126	6.1		
	e S	T 06:13:13.5							
MANZ	e P	Z 06:02:23.0	89.8	91.8	1.2	204	6.3		
	e S	T 06:13:14.5							
MOX	e P	Z 06:02:24.1	90.1	91.4	1.2	133	6.1		

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

16

FUR	e P	Z	06:02:24.4	90.3	91.2	1.1	83	6.1			
GRA1	e P	Z	06:02:25.6	90.3	91.1	1.2	165	6.3			
	e PP	Z	06:05:54.1								
	e S	T	06:13:18.3								
	e L	Z	06:49:32.5			20.1	7131			6.1	
GRFO	e S	T	06:13:18.5	90.3	91.1						
CLZ	e P	Z	06:02:28.0	90.9	90.4	1.3	157	6.3			
	e S	T	06:13:21.6								
BSEG	e P	Z	06:02:27.9	90.9	90.4	1.2	100	6.1			
	e S	T	06:13:24.0								
UBBA	e P	Z	06:02:28.9	91.1	90.2	1.8	238	6.3			
	e S	T	06:13:23.2								
STU	e P	Z	06:02:31.2	91.6	89.6	1.5	222	6.3			
TNS	e P	Z	06:02:33.6	92.1	89.0	1.8	323	6.4			
BFO	e P	Z	06:02:33.5	92.2	89.0	1.5	115	6.1			
BUG	e P	Z	06:02:36.5	92.8	88.0	2.0	238	6.3			
WLF	e P	Z	06:02:40.6	93.6	87.3	1.3	58	5.9			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	07:39:14.0	15.700S	175.000W	250.0				NEIC
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 07:58:23.9	145.6	10.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	08:49:49.7	0.799S	100.588E	33.0N	5.1			GSRC
Southern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:02:47.8	90.2	91.0	1.4	19	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	12:53:12.7	0.492S	100.200E	33.0N	5.1			SZGRF
Southern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 13:05:59.0	88.0	93.2	1.3	23	5.1		
FBE	e P	Z 13:06:00.7	88.4	92.8	1.1	23	5.1		
CLL	e P	Z 13:06:01.4	88.6	92.5	1.2	22	5.1		
TANN	e P	Z 13:06:02.2	88.9	92.1	1.4	18	5.0		
GUNZ	e P	Z 13:06:04.3	89.0	92.0	1.0	10	4.9		
ROTZ	e P	Z 13:06:04.2	89.1	91.9	1.5	28	5.2		

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

17

PST	e P	Z	13:06:03.8	89.1	91.9	1.2	20	5.1
MANZ	e P	Z	13:06:04.8	89.2	91.8	1.2	24	5.2
NEUB	e P	Z	13:06:06.0	89.4	91.5	1.1	21	5.2
MOX	e P	Z	13:06:06.3	89.5	91.4	1.4	20	5.1
GRA1	e P	Z	13:06:07.9	89.7	91.1	1.3	27	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	21:30: 8.8	15.000S	73.800W	65.0				NEIC

Southern Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z 21:43:24.9	95.1	252.7					
BUG	e Pdiff	Z 21:43:30.3	96.3	253.7					
TNS	e Pdiff	Z 21:43:31.8	96.6	254.5					
STU	e Pdiff	Z 21:43:31.8	96.7	254.9					
IBBN	e Pdiff	Z 21:43:32.3	96.8	254.2					
FUR	e Pdiff	Z 21:43:37.9	97.9	256.3					
CLZ	e Pdiff	Z 21:43:39.6	98.2	256.1					
GRA1	e Pdiff	Z 21:43:39.3	98.2	256.5					
BSEG	e Pdiff	Z 21:43:40.9	98.7	256.4					
MANZ	e Pdiff	Z 21:43:42.3	98.9	257.2					
ROTZ	e Pdiff	Z 21:43:42.3	98.9	257.2					
WERD	e Pdiff	Z 21:43:43.4	99.1	257.4					
WERN	e Pdiff	Z 21:43:43.5	99.1	257.4					
WET	e Pdiff	Z 21:43:43.3	99.2	257.6					
TANN	e Pdiff	Z 21:43:43.8	99.2	257.5					
CLL	e Pdiff	Z 21:43:45.9	99.7	258.1					
FBE	e Pdiff	Z 21:43:46.7	99.8	258.3					
BRG	e Pdiff	Z 21:43:48.2	100.2	258.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/06	22:32: 1.6	32.574N	48.991E	33.0N	4.7			SZGRF

Western Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:38:31.3	32.7	107.2	1.4	15	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/07	03:42:35.6	52.540N	167.870W	40.2	5.0			SZGRF

Fox Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 03:54:06.8	73.5	358.9	1.0	18	5.1		

NRDL	e P	Z	03:54:14.9	75.0	358.7	1.2	25	5.1
RUE	e P	Z	03:54:15.1	75.0	1.0	1.0	28	5.2
IBBN	e P	Z	03:54:15.6	75.1	357.3	0.8	24	5.3
CLZ	e P	Z	03:54:19.2	75.6	358.9	1.3	37	5.4
CLL	e P	Z	03:54:21.3	76.1	0.5	1.1	11	4.9
FBE	e P	Z	03:54:24.3	76.5	0.8	1.3	27	5.2
BRG	e P	Z	03:54:24.3	76.6	1.1	1.2	20	5.1
UBBA	e P	Z	03:54:25.1	76.6	358.7	1.8	23	5.0
MOX	e P	Z	03:54:25.6	76.8	359.7	1.3	19	5.1
WERD	e P	Z	03:54:26.7	77.0	0.1	1.4	9	4.7
TANN	e P	Z	03:54:27.1	77.0	0.2	1.3	11	4.8
GUNZ	e P	Z	03:54:26.9	77.1	0.1	1.4	12	4.9
WERN	e P	Z	03:54:28.1	77.2	0.2	1.1	16	5.0
TNS	e P	Z	03:54:27.8	77.2	357.7	1.2	12	4.9
WLF	e P	Z	03:54:30.3	77.7	356.3	1.6	41	5.3
ROTZ	e P	Z	03:54:30.2	77.7	0.0	1.4	18	5.0
GRA1	e P	Z	03:54:31.2	77.8	359.4	1.3	33	5.3
	e pP	Z	03:54:42.8					
WET	e P	Z	03:54:34.3	78.3	0.5	1.5	12	4.7
STU	e P	Z	03:54:35.7	78.7	358.2	1.0	13	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/07	10:53:42.7	2.470N	96.760E	33.0N	5.8	5.2		SZGRF
Northern Sumatera, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	11:06:07.9	83.6	94.0	2.0	140	5.7		
	e S	T	11:16:29.3							
RUE	e P	Z	11:06:09.2	83.8	94.1	1.9	327	6.1		
FBE	e P	Z	11:06:09.4	83.9	93.6	2.0	179	6.0		
WET	e P	Z	11:06:10.7	84.1	93.0	1.3	54	5.6		
	e S	T	11:16:33.7							
CLL	i P	+ Z	11:06:11.2	84.2	93.3	1.7	68	5.6		
	e PP	Z	11:09:30.0							
	e S	N	11:16:39.5							
	e PS	E	11:17:51.0							
	e SS	E	11:22:21.3							
	e SSS	N	11:25:50.5							
	e SSSS	N	11:28:42.3							
TANN	e P	Z	11:06:11.9	84.5	92.8	1.8	58	5.5		
	e S	T	11:16:39.1							
WERN	e P	Z	11:06:12.2	84.5	92.7	1.5	38	5.4		
GUNZ	e P	Z	11:06:12.6	84.5	92.7	1.2	21	5.3		
WERD	e P	Z	11:06:13.3	84.6	92.7	2.4	136	5.7		
ROTZ	e P	Z	11:06:12.7	84.6	92.6	1.2	38	5.5		
	e S	T	11:16:40.5							
MANZ	e P	Z	11:06:13.8	84.7	92.5	1.9	146	5.9		

	e S	T	11:16:40.6						
MOX	e P	Z	11:06:15.4	85.0	92.2	2.0	97	5.7	
	e S	T	11:16:42.8						
GRA1	e P	Z	11:06:16.6	85.2	91.8	2.1	191	6.0	
	e PP	Z	11:09:41.7						
	e L	Z	11:50:37.9			21.6	1107		5.2
CLZ	e P	Z	11:06:18.9	85.8	91.3	1.4	77	5.7	
BSEG	e P	Z	11:06:19.6	85.9	91.4	1.8	235	6.1	
	e S	T	11:16:49.2						
NRDL	e P	Z	11:06:20.0	86.0	91.2	1.9	336	6.2	
UBBA	e P	Z	11:06:20.7	86.0	91.0				
STU	e P	Z	11:06:23.2	86.5	90.2	1.1	31	5.5	
TNS	e P	Z	11:06:26.0	87.0	89.7	1.7	143	5.8	
	e S	T	11:16:59.6						
BFO	e P	Z	11:06:24.6	87.1	89.5	0.9	20	5.2	
HLG	e S	T	11:17:01.7	87.3	89.5				
IBBN	e P	Z	11:06:27.9	87.4	89.3	1.8	315	6.1	
BUG	e P	Z	11:06:28.4	87.8	88.9	1.7	116	5.7	
	e S	T	11:17:06.1						
WLF	e P	Z	11:06:33.3	88.5	87.9	2.0	255	6.0	

Date 2007/03/07 Origin Time 13:45:41.2 Lat 49.210N Long 155.060E Depth 42.3 mb 5.1 Ms ML Source SZGRF
Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:57:06.9	72.7	23.3	1.1	17	5.1		
NRDL	e P	Z 13:57:14.9	74.0	23.0	0.9	15	5.0		
CLL	e P	Z 13:57:16.5	74.4	24.6	1.0	26	5.2		
BRG	e P	Z 13:57:17.6	74.5	25.2	1.2	13	4.8		
CLZ	e P	Z 13:57:18.4	74.6	23.1	1.1	35	5.3		
FBE	e P	Z 13:57:18.5	74.7	24.8	1.0	19	5.1		
TANN	e P	Z 13:57:22.5	75.4	24.2	1.6	21	5.0		
MOX	e P	Z 13:57:22.6	75.4	23.7	0.8	14	5.1		
WERD	e P	Z 13:57:22.5	75.4	24.1	1.3	20	5.1		
GUNZ	e P	Z 13:57:23.1	75.4	24.1	0.9	16	5.1		
WERN	e P	Z 13:57:23.5	75.5	24.1	0.7	17	5.3		
UBBA	e P	Z 13:57:23.8	75.6	22.7	0.8	8	4.9		
BUG	e P	Z 13:57:23.9	75.7	21.1	0.7	18	5.3		
MANZ	e P	Z 13:57:25.3	75.8	23.9	1.2	16	5.0		
ROTZ	e P	Z 13:57:25.7	76.0	24.0	0.9	14	5.1		
GRA1	e P	Z 13:57:28.3	76.3	23.4	1.0	34	5.4		
	e pP	Z 13:57:40.4							
WET	e P	Z 13:57:28.9	76.4	24.3	1.4	33	5.3		
TNS	e P	Z 13:57:29.2	76.5	21.7	0.7	18	5.3		
BFO	e P	Z 13:57:39.0	78.3	21.5	1.6	24	5.0		

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i PKPbc	+ Z 04:47:59.2			0.8	8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/08	05:03:37.8	29.350N	139.760E	199.9	6.4			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 05:15:48.8	84.3	44.8	1.1	921	6.9		
RUE	e P	Z 05:15:55.2	85.6	45.0	1.1	459	6.5		
BSEG	e P	Z 05:15:56.6	86.0	42.4	1.3	607	6.6		
	e S	R 05:26:17.2							
BRG	e P	Z 05:16:00.1	86.7	45.1	1.3	338	6.5		
HLG	e P	Z 05:16:01.0	86.7	40.5	1.2	481	6.7		
	e S	R 05:26:24.9							
CLL	e P	Z 05:15:59.9	86.8	44.4	1.1	372	6.4		
	e pP	Z 05:16:36.1							
	e PP	Z 05:19:24.3							
	e SKSac	N 05:26:11.8							
	e S	E 05:26:24.5							
	e sS	Z 05:27:20.9							
	e PS	N 05:27:49.3							
	e PPS	N 05:28:13.9							
	e SS	E 05:32:09.1							
	e LR	Z 05:45:51.1							
FBE	e P	Z 05:16:01.2	86.9	44.6	1.3	623	6.8		
	e PP	Z 05:19:23.8							
NRDL	e P	Z 05:16:01.9	87.1	42.2	1.4	182	6.2		
	e PP	Z 05:19:26.8							
	e SP	Z 05:27:25.1							
CLZ	e P	Z 05:16:04.2	87.5	42.4	1.3	306	6.4		
	e PP	Z 05:19:29.1							
TANN	e P	Z 05:16:04.3	87.6	43.9	1.5	152	6.0		
	e PP	Z 05:19:32.8							
WERD	e P	Z 05:16:04.8	87.7	43.8	1.3	160	6.1		
	e PP	Z 05:19:33.1							
GUNZ	e P	Z 05:16:05.2	87.7	43.8	1.8	426	6.4		
	e PP	Z 05:19:33.1							
WERN	e P	Z 05:16:05.7	87.8	43.9	1.3	317	6.4		
	e PP	Z 05:19:34.1							
MOX	e P	Z 05:16:05.6	87.8	43.3	1.5	198	6.1		
MANZ	e P	Z 05:16:06.9	88.1	43.7	1.5	208	6.1		
	e SKSac	R 05:26:20.5							
	e S	R 05:26:38.5							
IBBN	e P	Z 05:16:07.1	88.2	40.4	1.2	710	6.8		
	e PP	Z 05:19:35.3							
ROTZ	e P	Z 05:16:07.8	88.2	43.7	1.2	208	6.2		

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

22

WET	e P	Z	05:16:08.2	88.4	44.2	1.1	110	6.0
	e PP	Z	05:19:38.4					
	e SKSac	R	05:26:21.8					
	e SP	Z	05:27:40.2					
UBBA	e P	Z	05:16:07.9	88.4	42.1	1.1	67	5.8
GRA1	e P	Z	05:16:10.2	88.7	43.0	1.2	405	6.5
	e sP	Z	05:17:20.6					
	e PP	Z	05:19:39.6					
	e S	R	05:26:44.8					
BUG	e P	Z	05:16:11.2	89.1	40.0	1.0	252	6.4
	e PP	Z	05:19:42.7					
	e S	R	05:26:46.0					
TNS	e P	Z	05:16:13.3	89.5	40.9	1.0	80	6.0
	e PP	Z	05:19:48.5					
FUR	e P	Z	05:16:15.5	89.8	43.0	1.0	638	6.9
	e SKSac	R	05:26:31.3					
STU	e P	Z	05:16:17.3	90.3	41.5	1.0	417	6.7
WLF	e P	Z	05:16:20.3	90.9	39.1	1.3	391	6.6
	e PP	Z	05:19:57.1					
BFO	e P	Z	05:16:20.3	91.0	40.8	1.1	447	6.7
	e PP	Z	05:19:58.6					

Date 2007/03/08 Origin Time 11:14:32.1 Lat 58.200S Long 7.500W Depth 10.0 mb Ms 5.5 ML Source NEIC
 East of South Sandwich Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PP	Z 11:33:39.1	110.4	191.4					
	e Sdiff	N 11:41:23.8							
	e PS	N 11:43:11.5							
	e PPS	N 11:44:20.3							
	e SS	E 11:49:12.6							
	e SSS	E 11:53:20.1							
	e LR	Z 12:07:07.0							
GRA1	e PP	Z 11:33:40.6	109.0	190.3					
	e L	Z 12:15:15.3			20.7	1452		5.5	

Date 2007/03/08 Origin Time 12:35:47.9 Lat 39.350N Long 40.140E Depth 33.0N mb 4.5 Ms ML Source SZGRF
 Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 12:40:36.6	21.6	112.0	1.7	22	4.3		
WET	e P	Z 12:40:37.1	21.7	106.5	0.9	9	4.2		
FBE	e P	Z 12:40:40.6	22.0	111.3	1.6	32	4.5		

ROTZ	e P	Z	12:40:43.7	22.3	107.2	1.8	76	4.8
CLL	e P	Z	12:40:43.8	22.3	111.8	1.3	24	4.5
TANN	e P	Z	12:40:45.5	22.3	109.0	1.9	36	4.5
WERN	e P	Z	12:40:43.3	22.3	108.6	0.8	14	4.4
MANZ	e P	Z	12:40:43.7	22.4	107.6	1.8	32	4.5
GRA1	e P	Z	12:40:49.9	22.9	105.8	1.2	65	5.0
UBBA	e P	Z	12:41:00.2	23.9	106.9	1.1	12	4.3
CLZ	e P	Z	12:41:00.6	24.0	109.5	1.3	23	4.5
TNS	e P	Z	12:41:08.2	24.7	103.8	1.9	65	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/09	03:22:45.6	43.654N	134.359E	443.8	6.7			SZGRF
Primorye, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	03:33:19.1	71.4	39.3	1.1	995	6.9		
	e pP	Z	03:34:54.8							
	e PP	Z	03:36:04.7							
BRG	e P	Z	03:33:24.2	72.3	40.9	1.1	534	6.6		
	e PcP	Z	03:33:39.8							
	e pP	Z	03:35:00.2							
	e PP	Z	03:36:12.5							
CLL	i P	- Z	03:33:24.3	72.3	40.4	1.0	901	6.8		
	e pP	Z	03:35:00.5							
	e PP	Z	03:36:11.5							
	e S	E	03:42:12.2							
	e SKSac	N	03:42:43.5							
	e sS	E	03:45:05.4							
	e SSS	N	03:50:29.8							
	e SSSS	Z	03:52:56.9							
	e PKPPKPdf	Z	04:00:53.6							
	e SKPPKPdf	Z	04:03:53.0							
NRDL	e P	Z	03:33:25.9	72.6	38.8	1.1	606	6.6		
	e pP	Z	03:35:02.2							
CLZ	e P	Z	03:33:28.6	73.0	38.9	1.2	1135	6.9		
	e pP	Z	03:35:05.0							
TANN	e P	Z	03:33:29.9	73.2	39.9	1.4	515	6.4		
	e pP	Z	03:35:06.4							
MOX	i P	- Z	03:33:30.8	73.4	39.4	1.3	671	6.5		
	e pP	Z	03:35:07.3							
IBBN	e P	Z	03:33:31.7	73.6	37.3	1.3	993	6.7		
	e pP	Z	03:35:08.2							
	e PP	Z	03:36:20.5							
ROTZ	e P	Z	03:33:33.6	73.8	39.6	1.3	899	6.6		
	e pP	Z	03:35:10.2							
	e PP	Z	03:36:26.4							
UBBA	e P	Z	03:33:33.5	73.9	38.4	1.6	736	6.5		

GEC2	e pP	Z	03:35:10.2							
	e P	Z	03:33:33.5	73.9	40.4	1.1	414	6.4		
	e pP	Z	03:35:10.2							
WET	e PP	Z	03:36:27.7							
	e P	Z	03:33:34.7	74.0	39.9	1.1	614	6.5		
	e pP	Z	03:35:11.4							
GRA1	e PP	Z	03:36:28.9							
	e P	Z	03:33:36.4	74.3	39.0	1.1	1707	7.0		
	e pP	Z	03:35:13.1							
BUG	e sP	Z	03:35:56.4							
	e PP	Z	03:36:30.0							
	e P	Z	03:33:36.7	74.5	36.8	1.2	829	6.6		
TNS	e pP	Z	03:35:13.6							
	e sP	Z	03:35:57.9							
	e PP	Z	03:36:28.5							
FUR	e P	Z	03:33:39.9	75.0	37.4	1.2	541	6.4		
	e pP	Z	03:35:16.9							
	e P	Z	03:33:42.6	75.5	38.8	1.1	1319	7.0		
STU	e PcP	Z	03:33:52.9							
	e pP	Z	03:35:19.8							
	e PP	Z	03:36:41.0							
WLF	e P	Z	03:33:44.5	75.8	37.6	1.2	852	6.7		
	e pP	Z	03:35:21.7							
	e PP	Z	03:36:44.2							
BFO	e P	Z	03:33:47.4	76.3	35.8	2.1	1336	6.7		
	e pP	Z	03:35:24.8							
	e P	Z	03:33:48.4	76.5	37.0	1.3	1309	6.9		
	e pP	Z	03:35:25.8							
	e sP	Z	03:36:10.8							
	e PP	Z	03:36:49.2							

Date 2007/03/09 Origin Time Lat Long Depth mb Ms ML Source

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 04:03:46.7							
	e	04:03:54.8							

Date 2007/03/09 Origin Time 07:27:38.2 Lat 11.241S Long 64.736E Depth 33.0G mb 6.1 Ms ML Source SZGRF
South Indian Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 07:39:16.5	75.0	127.9	2.7	418	6.0		
WET	e P	Z 07:39:19.7	75.6	127.2	2.3	287	5.9		

FUR	e P	Z	07:39:22.1	75.9	125.6	1.7	728	6.5
BRG	e P	Z	07:39:23.7	76.1	128.5	1.7	264	6.1
ROTZ	e P	Z	07:39:24.4	76.3	126.8	2.2	335	6.1
TANN	e P	Z	07:39:26.5	76.6	127.1	2.2	370	6.1
GRA1	e P	Z	07:39:27.0	76.8	125.9	1.5	210	6.1
CLL	e P	Z	07:39:27.8	76.8	127.7	2.3	495	6.2
MOX	e P	Z	07:39:29.5	77.1	126.4	2.4	430	6.2
STU	e P	Z	07:39:30.2	77.3	124.0	1.5	197	6.0
BFO	e P	Z	07:39:31.9	77.6	123.2	2.5	414	6.1
UBBA	e P	Z	07:39:34.5	78.1	125.1	1.8	186	5.9
CLZ	e P	Z	07:39:36.9	78.5	125.6	1.5	204	6.0
TNS	e P	Z	07:39:37.4	78.6	123.6	2.3	368	6.1
WLF	e P	Z	07:39:42.4	79.5	121.6	2.2	234	5.8
BSEG	e P	Z	07:39:43.2	79.7	125.8			
BUG	e P	Z	07:39:44.4	79.8	122.9	2.3	415	5.9
IBBN	e P	Z	07:39:45.6	80.1	123.4	2.5	584	6.1

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/09 20:49:37.4 17.598N 69.714W 33.0N 5.5 SZGRF
 Dominican Republic region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:00:51.4	70.9	274.9	2.6	111	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/09 21:01:43.9 13.377N 85.695W 229.4 5.4 SZGRF
 Nicaragua

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 21:13:33.3	81.0	280.1	1.6	59	5.4		
BUG	e P	Z 21:13:35.1	81.4	280.7					
IBBN	e P	Z 21:13:35.4	81.5	280.9					
TNS	e P	Z 21:13:40.0	82.4	281.8	1.0	22	5.3		
	e PP	Z 21:17:00.9							
BFO	e P	Z 21:13:43.0	82.7	281.9	1.2	17	5.1		
BSEG	e P	Z 21:13:43.0	82.7	282.7	1.0	22	5.3		
STU	e P	Z 21:13:43.8	83.1	282.5					
CLZ	e P	Z 21:13:44.4	83.2	283.0	1.0	29	5.5		
GRA1	e P	Z 21:13:49.7	84.2	283.9	2.2	97	5.7		
	e pP	Z 21:14:45.0							
	e PP	Z 21:17:14.9							
MOX	e P	Z 21:13:49.3	84.2	284.1	1.5	38	5.4		
	e PP	Z 21:17:14.3							
TANN	e P	Z 21:13:52.6	84.8	284.8					
ROTZ	e P	Z 21:13:52.4	84.8	284.6					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

26

CLL	e P	Z	21:13:52.6	84.9	285.1	1.7	45	5.4
	e PP	Z	21:17:18.1					
WET	e P	Z	21:13:55.7	85.4	285.2	1.3	42	5.4
	e pP	Z	21:14:51.0					
BRG	e P	Z	21:13:56.6	85.6	285.9			
	e PP	Z	21:17:23.1					
GEC2	e P	Z	21:13:58.5	86.0	285.8	1.9	59	5.4
	e pP	Z	21:14:53.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/09	23:24:49.9	38.391N	41.467E	33.0N	5.0			SZGRF
Turkey								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:30:04.6	24.3	106.2	2.0	97	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/10								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 15:03:43.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/10								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i PKPbc	Z 15:25:31.6			1.2	19			
	e PKiKP	Z 15:25:33.9							
	e PKPab	Z 15:25:38.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/10	17:03:53.5	72.892N	9.882E	33.0N	5.8			SZGRF
Norwegian Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 17:08:14.3	19.0	359.6	1.5	390	5.4		
IBBN	e P	Z 17:08:31.3	20.6	1.8	1.8	504	5.6		
CLZ	e P	Z 17:08:36.9	21.1	359.6	1.5	313	5.4		
CLL	i P	+ Z 17:08:43.9	21.6	357.5	1.8	477	5.7		
	e S	E 17:12:56.2							
	e LR	Z 17:14:20.0							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

27

UBBA	e P	Z	17:08:46.9	22.1	359.9	2.3	1237	5.9
BRG	e P	Z	17:08:46.9	22.1	356.8	2.7	1568	6.0
MOX	e P	Z	17:08:49.0	22.3	358.7	1.5	682	5.8
TANN	e P	Z	17:08:51.4	22.5	358.0			
TNS	e P	Z	17:08:52.8	22.7	1.1	1.8	652	5.9
ROTZ	e P	Z	17:08:57.7	23.1	358.3			
GRA1	e P	Z	17:08:58.0	23.2	359.0	2.6	2000	6.2
WLF	e P	Z	17:08:58.5	23.3	2.8			
WET	e P	Z	17:09:04.0	23.8	357.8	1.4	193	5.4
GEC2	e P	Z	17:09:07.2	24.1	357.2	1.4	181	5.4
STU	e P	Z	17:09:05.9	24.1	0.5	1.6	510	5.8
BFO	e P	Z	17:09:09.9	24.6	1.1	1.3	344	5.9
FUR	e P	Z	17:09:12.5	24.7	359.0	1.2	274	5.9

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/10 21:13: 2.5 55.827N 162.334E 45.8 6.3
 Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	21:23:58.0	67.9	16.5	1.2	242	6.3		
IBBN	e P	Z	21:24:10.0	69.8	14.9	1.2	293	6.3		
CLZ	e P	Z	21:24:10.4	69.9	16.3	1.2	428	6.4		
CLL	i P	+ Z	21:24:10.0	69.9	17.8	1.2	468	6.5		
	e sP	Z	21:24:23.8							
	e PP	Z	21:26:45.5							
	e S	N	21:33:24.3							
	e ScS	N	21:34:10.6							
	e SS	N	21:38:03.1							
	e LR	Z	21:47:38.8							
BRG	e P	Z	21:24:11.3	70.1	18.2	1.2	268	6.2		
MOX	e P	Z	21:24:15.7	70.8	16.9	1.2	306	6.3		
TANN	e P	Z	21:24:16.3	70.8	17.4					
UBBA	e P	Z	21:24:16.4	70.9	16.0					
ROTZ	i P	+ Z	21:24:20.3	71.5	17.2	1.2	316	6.3		
TNS	e P	Z	21:24:21.6	71.8	15.1	1.4	184	6.0		
GRA1	e P	Z	21:24:22.0	71.8	16.6	1.2	513	6.5		
	e pP	Z	21:24:35.1							
WET	e P	Z	21:24:23.3	72.0	17.5	1.2	376	6.4		
GEC2	e P	Z	21:24:23.6	72.1	17.9	1.2	239	6.2		
WLF	e P	Z	21:24:27.0	72.7	13.7					
STU	e P	Z	21:24:28.8	73.0	15.4	1.3	242	6.2		
FUR	e P	Z	21:24:30.2	73.2	16.5	1.2	358	6.3		
BFO	e P	Z	21:24:32.1	73.6	14.9	1.3	219	6.0		

Date Origin Time Lat Long Depth mb Ms ML Source

2007/03/10

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:54:12.3			1.8	39			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/11	00:37:59.9	29.100N	140.280E	33.0N	5.2			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 00:50:38.7	86.0	44.8	1.1	29	5.3		
BSEG	e P	Z 00:50:40.2	86.4	42.1	1.3	28	5.2		
BRG	e P	Z 00:50:43.5	87.1	44.8	1.1	12	4.9		
CLL	e P	Z 00:50:43.7	87.2	44.1	1.1	15	5.0		
FBE	e P	Z 00:50:44.9	87.3	44.4	1.2	18	5.3		
CLZ	e P	Z 00:50:48.2	87.9	42.1	1.4	23	5.3		
WERD	e P	Z 00:50:47.9	88.1	43.6	1.3	13	5.1		
GUNZ	e P	Z 00:50:48.2	88.2	43.6	1.0	8	5.0		
IBBN	e P	Z 00:50:50.6	88.6	40.1	1.1	25	5.3		
GEC2	e P	Z 00:50:51.0	88.7	44.6	0.9	9	5.0		
ROTZ	e P	Z 00:50:50.7	88.7	43.5	1.5	22	5.2		
GRA1	e P	Z 00:50:53.3	89.2	42.7	1.2	22	5.3		
FUR	e P	Z 00:50:59.0	90.3	42.8	0.9	27	5.6		
STU	e P	Z 00:51:01.0	90.7	41.2	1.2	19	5.3		
BFO	e P	Z 00:51:03.7	91.4	40.5	1.1	21	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 01:57:56.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/11	07:09:31.5	44.820N	147.270E	49.4	6.2	5.5		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 07:20:59.8	73.2	32.2					
BSEG	e P	Z 07:21:07.7	74.7	30.1	1.3	786	6.6		
RUE	e P	Z 07:21:08.7	74.8	32.2	1.5	1176	6.7		
CLL	i P	+ Z 07:21:15.6	76.1	31.6	1.2	494	6.5		
	e pP	Z 07:21:29.7							
	e PP	Z 07:24:21.1							

	e PPP	Z	07:26:00.5								
	e S	E	07:30:59.7								
	e SP	Z	07:31:36.4								
	e SS	Z	07:36:08.0								
	e LR	Z	07:46:32.8								
BRG	e P	Z	07:21:15.9	76.1	32.1	1.9		561		6.4	
FBE	e P	Z	07:21:16.8	76.3	31.7	1.2		405		6.4	
CLZ	e P	Z	07:21:18.1	76.5	29.9	1.1		585		6.6	
IBBN	e P	Z	07:21:19.8	76.8	28.2	1.1		497		6.5	
WERD	e P	Z	07:21:21.0	77.0	31.0	1.8		431		6.3	
MOX	e P	Z	07:21:21.3	77.1	30.6	1.6		416		6.3	
GUNZ	e P	Z	07:21:21.5	77.1	31.0	0.9		122		6.0	
WERN	e P	Z	07:21:21.7	77.2	31.0	0.9		123		6.0	
MANZ	e P	Z	07:21:23.6	77.5	30.8	1.5		162		5.9	
ROTZ	e P	Z	07:21:24.8	77.7	30.9	1.7		435		6.3	
	e pP	Z	07:21:38.7								
GEC2	e P	Z	07:21:26.0	77.9	31.7	1.3		116		5.8	
WET	e P	Z	07:21:26.6	78.0	31.2	1.6		383		6.3	
	e pP	Z	07:21:40.5								
GRA1	e P	Z	07:21:27.0	78.0	30.2	1.6		746		6.6	
	e pP	Z	07:21:40.8								
	e L	Z	08:01:08.5			19.5		2470		5.5	
TNS	e P	Z	07:21:28.8	78.5	28.5	1.3		174		5.9	
FUR	e P	Z	07:21:33.9	79.3	30.1	1.1		301		6.1	
	e pP	Z	07:21:47.9								
STU	e P	Z	07:21:34.4	79.5	28.8	1.2		200		5.9	
WLF	e P	Z	07:21:35.7	79.6	26.9	1.8		447		6.1	
	e pP	Z	07:21:50.0								
BFO	e P	Z	07:21:37.9	80.2	28.2	1.1		139		5.8	
	e pP	Z	07:21:52.7								

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/11 15:08:31.2 16.656S 178.717W 33.0N
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 15:28:00.7	144.1	15.0					
CLL	e PKPbc	Z 15:27:59.0	144.1	19.4					
BRG	e PKPbc	Z 15:28:00.7	144.3	21.1					
FBE	e PKPbc	Z 15:28:00.5	144.4	20.1					
MOX	e PKPbc	Z 15:28:01.7	145.0	17.4					
WERD	e PKPbc	Z 15:28:04.0	145.1	18.7					
WERN	e PKPbc	Z 15:28:03.9	145.2	18.8					
ROTZ	e PKPbc	Z 15:28:06.3	145.7	18.8					
GRA1	e PKPbc	Z 15:28:07.1	146.0	17.2					
BFO	e PKPbc	Z 15:28:12.3	147.8	12.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/11	17:24:40.7	22.600S	173.330W	10.0				SZGRF
Tonga Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	17:44:27.3	148.5	6.5					
RUE	e PKPbc	Z	17:44:30.4	149.6	13.1					
IBBN	e PKPbc	Z	17:44:32.2	150.3	2.0					
CLZ	e PKPbc	Z	17:44:32.9	150.6	7.0					
CLL	e PKPbc	Z	17:44:33.6	150.9	12.1					
BRG	e PKPbc	Z	17:44:34.6	151.2	14.0					
FBE	e PKPbc	Z	17:44:35.1	151.2	12.9					
MOX	e PKPbc	Z	17:44:35.5	151.7	9.7					
WERD	e PKPbc	Z	17:44:35.7	151.8	11.1					
GUNZ	e PKPbc	Z	17:44:36.6	151.9	11.1					
WERN	e PKPbc	Z	17:44:36.4	152.0	11.3					
MANZ	e PKPbc	Z	17:44:37.4	152.3	10.8					
TNS	e PKPbc	Z	17:44:36.8	152.3	3.5					
ROTZ	e PKPbc	Z	17:44:37.4	152.5	11.1					
GRA1	e PKPbc	Z	17:44:38.1	152.7	9.2					
WLF	e PKPbc	Z	17:44:38.9	152.9	358.9					
WET	e PKPbc	Z	17:44:37.8	153.0	12.7					
GEC2	e PKPbc	Z	17:44:39.0	153.2	14.5					
STU	e PKPbc	Z	17:44:40.6	153.8	5.3					
BFO	e PKPbc	Z	17:44:41.2	154.2	3.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/12	00:54:23.6	28.590S	176.990W	34.0		5.5		SZGRF
Kermadec Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPab	Z	01:14:43.1	156.0	10.3					
CLL	e PKPdf	Z	01:14:16.5	156.1	22.1					
	i PKPdif	Z	01:14:24.9							
	i		01:14:28.0							
	e PKPab	Z	01:14:42.8			0.9	17			
	e pPKPab	Z	01:14:52.3							
CLZ	e PKPab	Z	01:14:43.6	156.1	16.1					
BRG	e PKPab	Z	01:14:43.9	156.2	24.4					
FBE	e PKPab	Z	01:14:44.3	156.3	23.1					
MOX	e PKPab	Z	01:14:47.0	157.0	19.7					
WERD	e PKPab	Z	01:14:47.1	157.0	21.3					
GUNZ	e PKPab	Z	01:14:47.9	157.1	21.4					
WERN	e PKPab	Z	01:14:48.1	157.2	21.6					
MANZ	e PKPab	Z	01:14:49.4	157.5	21.3					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

31

ROTZ	e	PKPab	Z	01:14:50.6	157.7	21.7						
TNS	e	PKPab	Z	01:14:51.1	158.0	12.8						
GRA1	e	PKPab	Z	01:14:51.2	158.0	19.6						
	e	pPKPab	Z	01:15:01.3								
	e	L	Z	02:17:46.6			18.0	660		5.5		
WET	e	PKPab	Z	01:14:52.0	158.1	23.8						
GEC2	e	PKPab	Z	01:14:52.0	158.1	26.0						
FUR	e	PKPab	Z	01:14:57.6	159.4	21.0						
BFO	e	PKPab	Z	01:14:59.7	159.8	13.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/12	09:58:54.6	22.560S	169.720E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 10:18:27.4	145.0	34.5					
	e	SKPbc	Z 10:22:01.8							
BRG	e	PKPbc	Z 10:18:29.9	146.0	42.7					
	e	SKPbc	Z 10:22:04.6							
CLL	e	PKPbc	Z 10:18:30.2	146.1	40.8					
	e	SKPbc	Z 10:22:04.8							
FBE	e	PKPbc	Z 10:18:31.0	146.2	41.7					
CLZ	e	PKPbc	Z 10:18:32.5	146.7	36.4					
	e	SKPbc	Z 10:22:06.1							
TANN	e	PKPbc	Z 10:18:33.3	147.0	40.9					
	e	SKPbc	Z 10:22:06.5							
WERD	e	PKPbc	Z 10:18:33.2	147.0	40.6					
MOX	e	PKPbc	Z 10:18:33.8	147.1	39.4					
IBBN	e	SKPbc	Z 10:22:07.7	147.2	31.9					
MANZ	e	PKPbc	Z 10:18:34.9	147.4	40.8					
	e	SKPbc	Z 10:22:07.8							
ROTZ	e	PKPbc	Z 10:18:35.2	147.6	41.2					
	e	SKPbc	Z 10:22:08.5							
GEC2	e	PKPbc	Z 10:18:35.2	147.6	44.4					
	e	SKPbc	Z 10:22:08.1							
WET	e	PKPbc	Z 10:18:35.8	147.7	42.9					
	e	SKPbc	Z 10:22:09.0							
GRA1	e	PKPbc	Z 10:18:37.0	148.0	39.7					
TNS	e	PKPbc	Z 10:18:38.5	148.7	34.8					
	e	SKPbc	Z 10:22:10.3							
STU	e	PKPbc	Z 10:18:41.2	149.6	37.4					
BFO	e	SKPbc	Z 10:22:12.9	150.3	36.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/12	11:32: 2.9	41.587N	143.258E	149.3	5.0			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:43:52.9	79.5	34.4	0.8	16	5.0		
	e pP	Z 11:44:30.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/12	18:59:19.3	47.674N	151.074E	33.0N	6.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 19:10:46.7	73.1	26.4	1.0	141	6.0		
CLL	e P	Z 19:10:55.3	74.7	27.8	1.0	271	6.2		
BRG	e P	Z 19:10:56.1	74.8	28.3	1.1	116	5.8		
CLZ	e P	Z 19:10:57.7	75.0	26.2	1.1	333	6.3		
IBBN	e P	Z 19:10:58.7	75.2	24.6					
TANN	e P	Z 19:11:01.3	75.6	27.4					
MOX	i P	Z 19:11:01.4	75.7	26.9	1.2	195	6.1		
MANZ	e P	Z 19:11:03.9	76.1	27.1					
ROTZ	e P	Z 19:11:05.1	76.3	27.1					
WET	e P	Z 19:11:07.3	76.7	27.5	1.1	230	6.2		
GRA1	e P	Z 19:11:07.3	76.7	26.5	1.0	302	6.4		
GEC2	e P	Z 19:11:06.9	76.7	27.9	1.5	169	6.0		
TNS	e P	Z 19:11:08.6	76.9	24.8	0.9	167	6.2		
FUR	e P	Z 19:11:14.5	78.0	26.4	1.1	321	6.4		
WLF	e P	Z 19:11:14.9	78.1	23.3					
STU	e P	Z 19:11:14.6	78.1	25.1	1.2	225	6.2		
BFO	e P	Z 19:11:18.0	78.7	24.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/12	22:39:50.4	22.332S	177.364W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 22:59:31.8	147.9	13.4					
IBBN	e PKPbc	Z 22:59:36.4	149.8	9.4					
	e PKPab	Z 22:59:41.7							
CLZ	e PKPbc	Z 22:59:37.4	149.9	14.4					
CLL	e PKPbc	Z 22:59:37.0	149.9	19.4					
	e PKPab	Z 22:59:42.4							
BRG	e PKPbc	Z 22:59:37.6	150.1	21.4					
	e PKPab	Z 22:59:43.3							
MOX	e PKPbc	Z 22:59:39.3	150.8	17.2					
TANN	e PKPbc	Z 22:59:39.5	150.9	18.9					
	e PKPab	Z 22:59:46.4							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

33

ROTZ	e	PKPbc	Z	22:59:41.0	151.5	18.8
TNS	e	PKPbc	Z	22:59:41.8	151.7	11.4
	e	PKPab	Z	22:59:50.2		
GRA1	e	PKPbc	Z	22:59:41.9	151.8	17.0
	e	PKPab	Z	22:59:50.4		
WET	e	PKPbc	Z	22:59:41.9	152.0	20.5
	e	PKPab	Z	22:59:51.5		
GEC2	e	PKPbc	Z	22:59:42.1	152.1	22.3
	e	PKPab	Z	22:59:51.8		
WLF	e	PKPbc	Z	22:59:44.0	152.5	7.1
STU	e	PKPbc	Z	22:59:44.5	153.1	13.5
FUR	e	PKPbc	Z	22:59:44.6	153.3	18.0
	e	PKPab	Z	22:59:56.7		
BFO	e	PKPbc	Z	22:59:45.5	153.6	11.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z	00:34:16.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13	02:59: 6.3	26.333N	111.711W	19.8	5.5	6.1		SZGRF
Gulf of California, Mexico								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	03:11:56.6	88.7	311.2	1.6	49	5.5
	e	pP	Z	03:12:02.4					
	e	S	E	03:22:46.0					
	e	L	Z	03:50:23.3			20.1	7760	6.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13	05:13:52.4	17.339S	177.229W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	05:33:18.5	142.9	12.0			
CLZ	e	PKPbc	Z	05:33:25.3	145.0	12.7			
CLL	e	PKPbc	Z	05:33:25.2	145.1	17.2			
BRG	e	PKPbc	Z	05:33:26.0	145.3	19.0			
FBE	e	PKPbc	Z	05:33:26.6	145.4	18.0			
PST	e	PKPbc	Z	05:33:27.3	145.6	16.2			
MOX	e	PKPbc	Z	05:33:27.6	146.0	15.2			

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

34

WERD	e	PKPbc	Z	05:33:28.4	146.0	16.4
GUNZ	e	PKPbc	Z	05:33:29.4	146.1	16.5
ROTZ	e	PKPbc	Z	05:33:30.1	146.7	16.6
TNS	e	PKPbc	Z	05:33:30.3	146.8	9.9
GRA1	e	PKPbc	Z	05:33:31.1	146.9	14.9
GEC2	e	PKPbc	Z	05:33:31.2	147.3	19.6
WLF	e	PKPbc	Z	05:33:33.4	147.6	6.0
BFO	e	PKPbc	Z	05:33:35.3	148.7	10.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13	05:50:16.2	4.000N	126.700E	94.0				NEIC
Talaud Islands, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pdiff	Z 06:03:56.5	100.9	69.5					
CLL	e Pdiff	Z 06:03:58.5	101.3	68.7					
GEC2	e Pdiff	Z 06:04:00.5	101.8	69.7					
BSEG	e Pdiff	Z 06:04:01.9	101.8	65.9					
TANN	e Pdiff	Z 06:04:01.9	102.0	68.4					
WET	e Pdiff	Z 06:04:02.9	102.2	69.0					
ROTZ	e Pdiff	Z 06:04:03.8	102.3	68.3					
MOX	e Pdiff	Z 06:04:03.6	102.4	67.7					
CLZ	e Pdiff	Z 06:04:05.4	102.6	66.4					
GRA1	e Pdiff	Z 06:04:06.5	103.0	67.5					
BFO	e Pdiff	Z 06:04:15.7	105.3	65.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13	05:57:22.7	4.100N	126.800E	77.0				NEIC
Talaud Islands, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 06:11:13.9	102.9	67.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 07:57:43.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13	09:05:46.9	8.100S	117.800E	30.0		5.4		NEIC

Sumbawa, Indonesia, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 09:24:33.5	106.9	82.5					
	e L	Z 10:13:35.9			21.3	1042		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e pPKPbc	Z 15:34:34.2							
CLL	e pPKPbc	Z 15:34:33.9							
FBE	e pPKPbc	Z 15:34:34.8							
GUNZ	e pPKPbc	Z 15:34:36.3							
MOX	e pPKPbc	Z 15:34:35.9							
NEUB	e pPKPbc	Z 15:34:34.9							
TANN	e pPKPbc	Z 15:34:36.3							
WERD	e pPKPbc	Z 15:34:36.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/13	18:31:36.8	21.326S	178.342W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 18:51:15.7	146.7	14.8					
CLL	i PKPbc	- Z 18:51:20.7	148.7	20.7	0.7	11			
CLZ	e PKPbc	Z 18:51:21.5	148.7	15.8					
BRG	e PKPbc	Z 18:51:21.5	148.9	22.6					
MOX	e PKPbc	Z 18:51:23.4	149.7	18.6					
TANN	e PKPbc	Z 18:51:23.6	149.7	20.2					
MANZ	e PKPbc	Z 18:51:24.5	150.2	19.9					
ROTZ	e PKPbc	Z 18:51:24.9	150.4	20.2					
TNS	e PKPbc	Z 18:51:25.6	150.6	13.0					
GEC2	e PKPbc	Z 18:51:26.1	150.9	23.5					
WLF	e PKPbc	Z 18:51:28.1	151.4	8.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/14	05:30:34.3	45.462N	151.948E	33.0N	4.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:42:34.9	78.9	26.9	1.2	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/14	08:35:54.8	46.500N	151.500E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 08:47:39.9	75.9	28.1	1.0	18	5.2		
BRG	e P	Z 08:47:41.1	76.0	28.6	1.7	19	4.9		
FBE	e P	Z 08:47:41.2	76.1	28.2	0.9	11	5.0		
CLZ	e P	Z 08:47:42.1	76.2	26.4	0.9	11	5.0		
WERD	e P	Z 08:47:45.5	76.8	27.5	0.9	5	4.7		
MOX	e P	Z 08:47:46.4	76.9	27.1	0.8	5	4.7		
WERN	e P	Z 08:47:46.5	77.0	27.5	1.0	12	5.0		
UBBA	e P	Z 08:47:47.3	77.2	26.1	0.7	4	4.6		
MANZ	e P	Z 08:47:48.4	77.3	27.3					
ROTZ	e P	Z 08:47:49.9	77.5	27.4	0.9	9	4.9		
GRA1	e P	Z 08:47:51.6	77.8	26.7	0.8	19	5.3		
GEC2	e P	Z 08:47:51.1	77.8	28.2	0.7	6	4.8		
TNS	e P	Z 08:47:53.0	78.1	25.0	0.8	10	5.0		
BFO	e P	Z 08:48:02.3	79.9	24.8	0.9	6	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/14	13:39:52.7	35.804N	140.630E	48.0	5.0			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:52:13.3	83.5	39.1	0.8	8	5.0		
	e pP	Z 13:52:27.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/14	21:59:10.4	11.509N	87.155W	33.0G	4.7	5.4		SZGRF

Near coast of Nicaragua

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:11:50.7	86.6	283.8	1.4	10	4.7		
	e	22:12:20.5							
	e L	Z 22:45:56.9			20.7	1695		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/15	01:32:51.3	59.697N	28.937W	33.0N	4.4	3.8		SZGRF

Reykjanes Ridge

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

37

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:38:10.6	24.8	309.1	1.5	10	4.4		
	e L	Z 01:47:45.9			19.2	285		3.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/15	01:34: 9.4	0.900S	127.200E	10.0		4.6		GSRC

Halmahera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 01:53:02.4	107.2	70.2					
	e L	Z 02:43:30.7			20.1	187		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/15	05:43: 3.6	42.510N	140.930E	129.3	4.8			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 05:54:48.9	75.9	37.4	0.8	4	4.6		
CLL	e P	Z 05:54:48.7	75.9	36.8	0.5	9	5.1		
FBE	e P	Z 05:54:50.0	76.0	37.0	0.6	6	4.9		
CLZ	e P	Z 05:54:52.0	76.4	35.2	0.9	10	5.0		
MOX	e P	Z 05:54:54.2	76.9	35.8	1.1	8	4.7		
WERN	e P	Z 05:54:54.9	76.9	36.3	0.9	5	4.7		
ROTZ	e P	Z 05:54:57.7	77.4	36.1	0.9	5	4.6		
GEC2	e P	Z 05:54:58.3	77.6	36.9	0.8	4	4.6		
WET	e P	Z 05:54:59.3	77.7	36.5	1.0	9	4.8		
GRA1	e P	Z 05:55:00.2	77.8	35.5	1.0	14	5.0		
	e pP	Z 05:55:32.5							
TNS	e P	Z 05:55:03.6	78.4	33.7	1.4	13	4.8		
STU	e P	Z 05:55:08.3	79.4	34.0	0.7	16	5.1		
BFO	e P	Z 05:55:11.8	80.0	33.4	1.5	18	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/15	06:07:54.8	4.200N	126.600E	10.0		4.8		NEIC

Talau Islands, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 06:21:54.3	102.7	67.5					
	e L	Z 07:13:46.0			19.7	271		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

38

2007/03/15 10:39:56.9
South of Fiji Islands

19.464S 175.921E 33.0N

SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 10:59:31.2	145.4	29.2					
CLZ	e PKPbc	Z 10:59:32.1	145.7	24.7					
TANN	e PKPbc	Z 10:59:33.8	146.4	29.0					
MOX	e PKPbc	Z 10:59:33.9	146.4	27.5					
MANZ	e PKPbc	Z 10:59:35.3	146.9	28.7					
ROTZ	e PKPbc	Z 10:59:36.0	147.0	29.1					
GEC2	e PKPbc	Z 10:59:36.7	147.3	32.2					
GRA1	e PKPbc	Z 10:59:36.8	147.4	27.5					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/15 13:13: 6.0 16.600N 96.900W 33.0G 4.7 4.9
Oaxaca, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:25:54.5	88.6	294.3	1.2	6	4.7		
	e L	Z 14:04:39.7			21.1	499		4.9	

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/15 20:51:24.6 47.524N 153.403E 33.0N 4.5
Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:03:16.7	77.4	25.1	1.1	4	4.5		

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/16 11:35: 1.2 9.700N 126.200E 80.0
Mindanao, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 11:48:32.7	98.1	64.5					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/16 21:08:23.9 70.860N 137.670E 33.0N 4.6
Near north coast of eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 21:17:29.1	51.6	20.1	0.7	7	4.7		

FBE	e P	Z	21:17:31.4	51.9	20.1	1.4	12	4.6
MOX	e P	Z	21:17:36.2	52.5	19.5	0.7	5	4.6
TANN	e P	Z	21:17:36.5	52.6	19.7	0.8	4	4.4
WERD	e P	Z	21:17:36.8	52.6	19.7	0.9	9	4.7
GUNZ	e P	Z	21:17:37.5	52.7	19.7	0.9	8	4.7
UBBA	e P	Z	21:17:38.1	52.7	19.0	0.9	4	4.4
WERN	e P	Z	21:17:37.7	52.7	19.7	1.0	5	4.4
GRA1	e P	Z	21:17:44.0	53.5	19.1	1.0	9	4.7
TNS	e P	Z	21:17:44.1	53.6	18.4	1.7	23	4.9
GEC2	e P	Z	21:17:45.4	53.8	19.7	1.9	14	4.7
BFO	e P	Z	21:17:56.9	55.4	17.9	1.0	5	4.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/16 21:51:11.2 31.120N 87.060E 33.0N 4.8 4.3
 Xizang SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:00:47.3	56.1	80.8	1.0	8	4.7		
FBE	e P	Z	22:00:51.7	56.5	80.4	0.7	5	4.6		
GEC2	e P	Z	22:00:52.3	56.6	79.3	1.5	14	4.8		
WET	e P	Z	22:00:55.3	57.1	78.9	1.0	4	4.4		
TANN	e P	Z	22:00:56.5	57.1	79.4	1.7	22	4.9		
WERN	e P	Z	22:00:56.5	57.2	79.3	0.5	9	5.0		
GUNZ	e P	Z	22:00:55.3	57.2	79.3	1.0	7	4.6		
ROTZ	e P	Z	22:00:57.1	57.4	78.8	1.4	14	4.8		
MANZ	e P	Z	22:00:57.9	57.4	78.9	1.6	14	4.8		
MOX	e P	Z	22:00:58.7	57.6	79.0	1.4	9	4.6		
GRA1	e P	Z	22:01:01.8	58.0	78.1	0.8	8	4.8		
	e L	Z	22:25:23.8			19.1	214		4.3	
CLZ	e P	Z	22:01:03.1	58.1	78.8	1.1	14	4.9		
TNS	e P	Z	22:01:12.9	59.6	76.5	1.2	12	4.8		
BFO	e P	Z	22:01:17.0	60.2	75.4	2.0	24	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/16 23:49:47.9 56.434N 158.059W 33.0N 4.5
 Alaska Peninsula, United States SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:01:17.7	73.5	353.8	1.2	6	4.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/17 14:20:29.5 27.230N 58.050E 33.0G 4.3
 Southern Iran SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	14:28:01.2	40.3	105.9	0.9	4	4.0		
CLL	e P	Z	14:28:10.0	41.4	108.0	0.7	4	4.3		
ROTZ	e P	Z	14:28:11.1	41.5	105.5	0.7	3	4.2		
GRA1	e P	Z	14:28:16.0	42.1	104.5	0.8	8	4.5		
CLZ	e P	Z	14:28:25.3	43.1	106.0	1.0	11	4.5		
TNS	e P	Z	14:28:31.4	43.9	102.5	1.3	8	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/17	17:42:23.6	1.100N	126.200E	33.0		6.0		GSRC

Northern Molucca Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i Pdiff	Z	17:56:23.0	103.4	70.9	2.1	78			
	e pPdiff	Z	17:56:28.8							
	e PP	Z	18:00:39.0							
	e SKKSac	E	18:07:39.2							
	e SP	Z	18:09:36.5							
	e SS	E	18:15:21.9							
	e SSS	E	18:19:58.1							
	e SSSS	E	18:23:16.0							
GUNZ	e PP	Z	18:00:48.9	104.1	70.5					
GRA1	e Pdiff	Z	17:56:31.0	105.0	69.7					
	e PKKPab	Z	18:12:31.5							
	e L	Z	18:46:27.2			21.8	4867		6.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/17	21:27:12.7	23.800S	176.530W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	21:46:58.3	149.4	12.4					
CLZ	e PKPbc	Z	21:47:03.8	151.5	13.3					
CLL	e PKPbc	Z	21:47:03.3	151.5	18.5					
BRG	e PKPbc	Z	21:47:04.1	151.7	20.6					
FBE	e PKPbc	Z	21:47:04.2	151.8	19.4					
MOX	e PKPbc	Z	21:47:05.0	152.4	16.3					
WERD	e PKPbc	Z	21:47:06.0	152.5	17.7					
TANN	e PKPbc	Z	21:47:06.0	152.5	18.0					
GUNZ	e PKPbc	Z	21:47:06.4	152.6	17.8					
WERN	e PKPbc	Z	21:47:06.5	152.6	17.9					
MANZ	e PKPbc	Z	21:47:06.9	153.0	17.6					
ROTZ	e PKPbc	Z	21:47:07.4	153.1	17.9					
TNS	e PKPbc	Z	21:47:07.6	153.3	10.2					

GRA1	e	PKPbc	Z	21:47:08.0	153.4	16.0
GEC2	e	PKPbc	Z	21:47:08.6	153.7	21.5
FUR	e	PKPbc	Z	21:47:11.0	154.9	17.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/17	22:43:20.2	5.210N	77.020W	33.0N	6.2	5.3		SZGRF

Near west coast of Colombia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	22:55:35.5	81.6	268.2	1.4	257	6.1		
IBBN	e P	Z	22:55:40.7	82.7	269.1	1.6	352	6.3		
BFO	e P	Z	22:55:42.1	83.0	270.0	1.5	76	5.7		
TNS	e P	Z	22:55:43.2	83.1	269.9	1.7	309	6.3		
STU	e P	Z	22:55:45.3	83.6	270.6	1.5	199	6.1		
NRDL	e P	Z	22:55:48.5	84.1	270.9	1.7	306	6.2		
BSEG	e P	Z	22:55:48.6	84.2	270.9	1.9	464	6.4		
CLZ	e P	Z	22:55:49.3	84.3	271.2					
GRA1	e P	Z	22:55:52.3	84.9	272.0	1.4	199	6.1		
	e S	N	23:06:32.3							
	e L	Z	23:29:46.1			21.7	1365		5.3	
FUR	e P	Z	22:55:52.8	85.0	272.2	1.9	568	6.5		
MOX	e P	Z	22:55:53.2	85.1	272.3	1.5	169	6.0		
MANZ	e P	Z	22:55:55.2	85.5	272.7	1.6	236	6.2		
	e PP	Z	22:59:14.5							
ROTZ	e P	Z	22:55:55.7	85.5	272.8	1.8	330	6.3		
	e PP	Z	22:59:14.2							
WERD	e P	Z	22:55:55.4	85.6	272.8	1.5	191	6.1		
GUNZ	e P	Z	22:55:55.8	85.6	272.8	1.5	203	6.1		
WERN	e P	Z	22:55:56.0	85.6	272.9	1.5	221	6.2		
TANN	e P	Z	22:55:56.1	85.7	272.9	1.4	226	6.1		
CLL	i P	- Z	22:55:56.9	85.9	273.3	1.7	261	6.3		
	e PP	Z	22:59:23.4							
	e S	E	23:06:40.7							
	e SP	Z	23:07:37.9							
	e PPS	N	23:07:55.2							
	e SS	E	23:12:26.2							
	e SSS	E	23:15:59.8							
	e (SSSS)	E	23:19:07.5							
	e LR	Z	23:24:03.3							
WET	e P	Z	22:55:57.9	86.0	273.3	1.4	264	6.2		
	e PP	Z	22:59:18.1							
FBE	e P	Z	22:55:58.8	86.2	273.6	1.6	311	6.2		
RUE	e P	Z	22:55:59.1	86.4	273.8	1.6	351	6.2		
GEC2	e P	Z	22:56:00.3	86.6	274.0	1.4	129	5.9		
	e PP	Z	22:59:20.8							
BRG	e P	Z	22:56:00.5	86.6	274.0	1.6	216	6.0		
	e PP	Z	22:59:22.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/18	01:25:28.1	42.790N	144.060E	45.6	5.5	5.6		SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 01:37:09.7	75.5	33.2	1.3	74	5.6		
RUE	e P	Z 01:37:09.8	75.5	35.3	1.2	102	5.8		
CLL	e P	Z 01:37:16.2	76.8	34.6	0.9	54	5.6		
NRDL	e P	Z 01:37:16.8	76.8	32.9	1.6	71	5.6		
BRG	e P	Z 01:37:16.6	76.8	35.2	1.2	39	5.4		
FBE	e P	Z 01:37:17.8	77.0	34.8	1.0	52	5.6		
CLZ	e P	Z 01:37:19.6	77.2	33.0	1.3	88	5.7		
IBBN	e P	Z 01:37:21.8	77.7	31.3	1.6	111	5.7		
TANN	e P	Z 01:37:22.0	77.7	34.2	2.0	60	5.4		
WERD	e P	Z 01:37:22.0	77.7	34.1	1.2	38	5.4		
GUNZ	e P	Z 01:37:22.5	77.8	34.1	1.1	36	5.4		
MOX	e P	Z 01:37:22.4	77.8	33.6	1.2	46	5.5		
WERN	e P	Z 01:37:22.8	77.8	34.1	1.1	37	5.4		
MANZ	e P	Z 01:37:24.6	78.2	33.9	1.2	36	5.3		
ROTZ	e P	Z 01:37:25.6	78.3	33.9	1.2	62	5.5		
GEC2	e P	Z 01:37:26.4	78.5	34.8	1.1	29	5.2		
WET	e P	Z 01:37:27.2	78.6	34.3	1.1	64	5.6		
GRA1	e P	Z 01:37:28.0	78.7	33.3	1.1	97	5.8		
	e pP	Z 01:37:41.2							
	e PP	Z 01:40:33.2							
	e S	E 01:47:28.7							
	e L	E 02:14:09.6			18.6	2563		5.6	
TNS	e P	Z 01:37:30.4	79.2	31.5	1.2	39	5.2		
FUR	e P	Z 01:37:34.6	80.0	33.2	1.0	98	5.7		
STU	e P	Z 01:37:35.5	80.2	31.9	0.9	54	5.6		
WLF	e P	Z 01:37:37.5	80.5	29.9	1.5	71	5.5		
BFO	e P	Z 01:37:39.2	80.9	31.3	1.3	56	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/18	02:11:14.4	6.030N	78.620W	33.0N	6.7	5.7		SZGRF

South of Panama

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 02:23:31.8	82.0	269.9	1.6	854	6.6		
IBBN	e P	Z 02:23:36.9	83.0	270.8	1.8	1294	6.9		
BFO	e P	Z 02:23:38.4	83.5	271.7	1.9	372	6.3		
	e PP	Z 02:26:51.7							
	e S	R 02:34:04.4							
	e PKKPdf	Z 02:41:49.1							

TNS	e P	Z	02:23:39.4	83.5	271.6	1.8	1142	6.8	
STU	e P	Z	02:23:41.5	84.0	272.3	1.9	979	6.7	
NRDL	e P	Z	02:23:44.7	84.4	272.7	1.9	1297	6.8	
	e PP	Z	02:26:59.3						
	e S	R	02:34:10.6						
BSEG	e P	Z	02:23:44.8	84.5	272.7	1.8	1449	6.9	
	e PP	Z	02:26:59.4						
	e S	R	02:34:11.4						
CLZ	e P	Z	02:23:45.5	84.6	272.9	1.8	954	6.7	
	e S	R	02:34:13.8						
GRA1	e P	Z	02:23:48.5	85.3	273.8	1.7	894	6.7	
	e S	R	02:34:20.2						
	e PKKPdf	Z	02:41:46.3						
	e L	Z	02:57:40.7			21.9	3615		5.7
FUR	e P	Z	02:23:49.0	85.4	274.0	1.9	1603	6.9	
	e PP	Z	02:27:08.6						
	e S	R	02:34:21.3						
MOX	e P	Z	02:23:49.4	85.5	274.0	1.8	761	6.5	
	e S	R	02:34:19.3						
	e PKKPdf	Z	02:41:45.7						
MANZ	e P	Z	02:23:51.5	85.9	274.4	2.1	1237	6.7	
	e PP	Z	02:27:11.6						
	e S	R	02:34:21.5						
ROTZ	e P	Z	02:23:51.9	85.9	274.5	1.9	1134	6.7	
	e S	R	02:34:24.7						
WERD	e P	Z	02:23:51.7	85.9	274.6	1.7	807	6.6	
GUNZ	e P	Z	02:23:52.0	86.0	274.6	1.8	885	6.6	
WERN	e P	Z	02:23:52.2	86.0	274.6	1.7	972	6.6	
TANN	e P	Z	02:23:52.3	86.0	274.7	1.7	941	6.6	
	e S	R	02:34:23.0						
CLL	i P	- Z	02:23:53.5	86.3	275.0	1.8	929	6.6	
	e PP	Z	02:27:18.5						
	e S	E	02:34:43.4						
	e PS	E	02:35:36.0						
	e PPS	Z	02:35:51.9						
	e SSS	E	02:43:54.5						
	e SSSS	Z	02:46:52.3						
	e LR	Z	02:51:49.1						
WET	e P	Z	02:23:54.1	86.4	275.1	1.8	1371	6.8	
	e PP	Z	02:27:15.9						
	e S	R	02:34:26.6						
FBE	e P	Z	02:23:54.9	86.6	275.3				
	e PP	Z	02:27:16.2						
RUE	e P	Z	02:23:55.4	86.7	275.6	1.7	1129	6.7	
	e S	R	02:34:27.5						
BRG	e P	Z	02:23:56.7	86.9	275.8	1.9	919	6.6	
	e PP	Z	02:27:17.8						
	e S	R	02:34:28.6						
	e PKKPdf	Z	02:41:41.0						

GEC2	e P	Z	02:23:56.5	87.0	275.7	1.6	410	6.3
	e S	R	02:34:29.1					
	e PKKPdf	Z	02:41:40.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/18	15:56: 6.2	48.851N	156.059E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:07:55.8	76.9	22.9	1.3	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/19	09:43:18.1	45.145N	16.459E	10.0G			3.6	SZGRF

Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 09:44:19.9	4.1	152.0					3.6
	e Sn	E 09:45:06.9							
WET	e Sn	E 09:45:18.9	4.7	147.3					
ROTZ	e Sn	N 09:45:36.0	5.4	146.5					
GRA1	e Sn	N 09:45:45.1	5.8	140.1					
WERN	e Pn	Z 09:44:44.1	5.8	150.4					
	e Sn	N 09:45:44.6							
GUNZ	e Pn	Z 09:44:44.4	5.9	150.5					
TANN	e Sn	E 09:45:47.8	5.9	151.5					
FBE	e Sn	N 09:45:53.8	6.1	159.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/19	14:51:48.0	46.620N	154.765E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:03:47.1	78.6	24.6	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/20	03:11: 3.7							

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 03:23:56.2							
BSEG	e P	Z 03:23:59.6							
CLL	e P	Z 03:23:57.8							

CLZ	e P	Z	03:24:04.4					
GEC2	e P	Z	03:24:00.9					
GRA1	e P	Z	03:24:05.0	0.9	7			
MOX	e P	Z	03:24:02.6					
ROTZ	e P	Z	03:24:02.5					
TANN	e P	Z	03:24:01.2					
TNS	e P	Z	03:24:12.0					
WET	e P	Z	03:24:03.0					
WLF	e P	Z	03:24:19.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/20	17:04:6.2	70.180N	4.970E	33.0N	4.6	4.0		SZGRF

Norwegian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 17:08:21.3	18.5	354.2	1.3	73	4.7		
CLL	e P	Z 17:08:28.6	19.2	351.7	1.4	46	4.5		
UBBA	e P	Z 17:08:31.5	19.5	354.9					
BRG	e P	Z 17:08:34.6	19.8	351.0	1.6	61	4.6		
MOX	e P	Z 17:08:35.0	19.8	353.3	0.3	37	5.1		
TNS	e P	Z 17:08:37.1	20.0	356.6	1.1	32	4.5		
TANN	e P	Z 17:08:37.8	20.1	352.6	1.5	41	4.5		
ROTZ	e P	Z 17:08:44.8	20.7	353.1	1.2	41	4.6		
GRA1	e P	Z 17:08:45.3	20.7	354.0	1.1	42	4.7		
	e L	Z 17:17:11.9			21.4	677		4.0	
WET	e P	Z 17:08:52.3	21.4	352.6					
STU	e P	Z 17:08:53.1	21.5	356.1					
GEC2	e P	Z 17:08:55.9	21.7	352.0	1.2	29	4.6		
BFO	e P	Z 17:08:58.1	21.9	356.9	1.1	15	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/21	06:59:12.7	16.760S	174.990W	33.0N				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e PKPbc	Z 07:18:47.3	145.7	11.3					
WERD	e PKPbc	Z 07:18:49.0	145.8	12.5					
TANN	e PKPbc	Z 07:18:47.9	145.8	12.8					
MANZ	e PKPbc	Z 07:18:49.3	146.3	12.3					
ROTZ	e PKPbc	Z 07:18:50.2	146.5	12.5					
GRA1	e PKPbc	Z 07:18:51.0	146.7	10.9					
WLF	e PKPbc	Z 07:18:51.4	147.1	2.0					
GEC2	e PKPbc	Z 07:18:52.0	147.1	15.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/21	23:08: 0.4	15.480N	44.280W	63.4	5.3			SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	23:17:11.2	53.1	248.3	1.3	49	5.3		
BFO	e P	Z	23:17:16.8	54.0	251.3	1.1	21	5.1		
TNS	e P	Z	23:17:23.0	54.7	250.1	1.2	29	5.2		
FUR	e P	Z	23:17:31.6	55.8	254.0	1.3	45	5.3		
GRFO	e P	Z	23:17:33.3	56.2	252.9	2.4	104	5.4		
GRA1	e P	Z	23:17:33.7	56.2	253.0	1.6	34	5.1		
	e S	R	23:25:32.0							
CLZ	e P	Z	23:17:34.7	56.3	250.8	1.2	47	5.4		
	e pP	Z	23:17:51.4							
NRDL	e P	Z	23:17:35.6	56.4	250.2	1.3	74	5.5		
MOX	e P	Z	23:17:37.4	56.7	252.7	1.3	32	5.2		
	e pP	Z	23:17:54.1							
ROTZ	e P	Z	23:17:38.3	56.8	253.8	1.6	23	5.0		
MANZ	e P	Z	23:17:39.2	56.8	253.5	1.7	21	4.9		
BSEG	e P	Z	23:17:39.1	57.0	249.5	1.3	60	5.5		
GUNZ	e P	Z	23:17:40.2	57.1	253.5	1.7	62	5.4		
WERN	e P	Z	23:17:40.4	57.1	253.6	1.3	62	5.5		
WET	e P	Z	23:17:39.0	57.1	254.8	1.2	15	4.9		
WERD	e P	Z	23:17:40.0	57.1	253.4	1.5	38	5.2		
TANN	e P	Z	23:17:40.9	57.1	253.6	1.7	60	5.4		
	e pP	Z	23:17:57.3							
PST	e P	Z	23:17:40.7	57.1	253.1	1.4	41	5.3		
	e pP	Z	23:17:57.3							
GEC2	e P	Z	23:17:42.6	57.5	255.6	1.4	17	4.9		
CLL	e P	Z	23:17:44.6	57.7	253.5	1.0	36	5.3		
	e pP	Z	23:18:01.0							
FBE	e P	Z	23:17:45.6	57.8	254.1	1.5	51	5.3		
BRG	e P	Z	23:17:47.8	58.2	254.6	2.3	102	5.4		
	e pP	Z	23:18:04.4							
RUE	e P	Z	23:17:50.3	58.5	253.5	1.1	111	5.8		
	e pP	Z	23:18:06.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/22	05:46: 1.6	49.180N	153.180E	33.0N	5.6			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	05:57:26.5	72.2	24.5	0.9	53	5.7		
RUE	e P	Z	05:57:29.0	72.7	26.5	0.8	86	5.9		
NRDL	e P	Z	05:57:34.4	73.6	24.2	1.0	49	5.5		
CLL	e P	Z	05:57:36.0	73.9	25.8	0.9	99	5.8		

BRG	e P	Z	05:57:36.8	74.1	26.4	1.0	41	5.4
CLZ	e P	Z	05:57:37.7	74.1	24.3	1.1	90	5.7
FBE	e P	Z	05:57:37.6	74.2	26.0	0.9	74	5.7
IBBN	e P	Z	05:57:38.4	74.4	22.7	0.8	63	5.7
TANN	e P	Z	05:57:41.6	74.9	25.4	1.6	53	5.3
WERD	e P	Z	05:57:41.7	74.9	25.3	1.3	52	5.4
MOX	e P	Z	05:57:41.8	74.9	24.9	1.1	52	5.5
GUNZ	e P	Z	05:57:42.2	75.0	25.3	0.8	43	5.6
WERN	e P	Z	05:57:42.7	75.0	25.3	0.8	58	5.8
MANZ	e P	Z	05:57:44.6	75.4	25.1	1.0	39	5.5
ROTZ	e P	Z	05:57:45.6	75.5	25.2	1.1	60	5.7
GRA1	e P	Z	05:57:47.8	75.9	24.5	0.8	93	6.0
WET	e P	Z	05:57:48.0	75.9	25.5	0.9	66	5.7
GEC2	e P	Z	05:57:47.7	75.9	26.0	0.8	24	5.4
TNS	e P	Z	05:57:48.7	76.1	22.9	0.9	46	5.6
FUR	e P	Z	05:57:55.2	77.3	24.4	1.0	55	5.6

Date 2007/03/22 Origin Time 06:10:46.4 Lat 3.660S Long 85.770E Depth 28.9 mb 5.7 Ms 5.3 ML Source SZGRF
 South Indian Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	06:22:58.7	81.1	106.1	1.3	50	5.4		
BRG	e P	Z	06:23:01.5	81.6	106.5	1.3	64	5.5		
	e pP	Z	06:23:09.7							
	e S	R	06:33:10.4							
WET	e P	Z	06:23:01.9	81.7	105.5	1.2	43	5.5		
	e S	R	06:33:10.5							
FBE	e P	Z	06:23:03.6	81.9	106.1	1.1	114	5.9		
RUE	e P	Z	06:23:04.1	82.1	106.6	1.0	231	6.3		
	e S	R	06:33:16.3							
CLL	i P	+ Z	06:23:04.4	82.2	105.9	1.1	88	5.9		
	e pP	Z	06:23:12.9							
	e PP	Z	06:26:06.8							
	e S	E	06:33:17.2							
	e SP	Z	06:34:13.1							
	e SS	E	06:38:47.4							
	e SSS	E	06:42:19.8							
	e SSSS	N	06:45:09.4							
ROTZ	e P	Z	06:23:05.5	82.3	105.0	1.1	60	5.6		
	e S	R	06:33:20.2							
TANN	e P	Z	06:23:05.5	82.3	105.3	1.7	58	5.4		
WERN	e P	Z	06:23:05.7	82.3	105.2	1.0	25	5.3		
GUNZ	e P	Z	06:23:06.1	82.4	105.2	1.1	37	5.4		
WERD	e P	Z	06:23:06.0	82.4	105.2	1.3	40	5.4		
	e pP	Z	06:23:14.2							
MANZ	e P	Z	06:23:06.5	82.4	105.0	1.1	103	5.9		

	e pP	Z	06:23:15.1								
	e S	R	06:33:21.6								
MOX	e P	Z	06:23:08.6	82.9	104.7	1.1	84	5.9			
	e S	R	06:33:26.8								
GRA1	e P	Z	06:23:08.9	82.9	104.2	1.2	180	6.2			
	e pP	Z	06:23:17.2								
	e L	Z	07:05:02.0			19.7	1299			5.3	
UBBA	e P	Z	06:23:13.6	83.9	103.4	1.4	53	5.6			
	e S	R	06:33:36.8								
CLZ	e P	Z	06:23:13.6	84.0	103.8	1.1	82	5.9			
	e S	R	06:33:36.7								
STU	e P	Z	06:23:14.2	84.0	102.6	1.3	127	6.0			
	e S	R	06:33:35.4								
NRDL	e P	Z	06:23:15.3	84.3	103.7	1.2	62	5.7			
BFO	e P	Z	06:23:15.9	84.5	101.9	1.2	74	5.8			
	e S	R	06:33:40.4								
BSEG	e P	Z	06:23:16.5	84.5	104.0	1.3	60	5.7			
	e S	R	06:33:41.5								
TNS	e P	Z	06:23:18.2	84.8	102.1	1.3	50	5.6			
	e pP	Z	06:23:26.7								
	e S	R	06:33:45.9								
IBBN	e P	Z	06:23:22.1	85.6	101.8	1.1	79	5.7			
WLF	e P	Z	06:23:25.3	86.1	100.3	1.1	35	5.4			
	e S	R	06:33:59.5								

Date 2007/03/22 Origin Time 08:24: 1.7 Lat 22.220S Long 172.300E Depth 119.0 mb Ms ML Source SZGRF
Southeast of Loyalty Islands

Sta	Phase		Time	Dist	B Az	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	08:43:25.3	145.5	30.4					
BRG	e PKPbc	Z	08:43:28.8	146.8	38.5					
CLL	e PKPbc	Z	08:43:28.7	146.8	36.7					
NRDL	e PKPbc	Z	08:43:28.9	146.8	31.1					
FBE	e PKPbc	Z	08:43:29.7	146.9	37.6					
CLZ	e PKPbc	Z	08:43:30.7	147.3	32.1					
IBBN	e PKPbc	Z	08:43:31.5	147.6	27.5					
TANN	e PKPbc	Z	08:43:31.8	147.7	36.7					
WERD	e PKPbc	Z	08:43:31.7	147.7	36.4					
GUNZ	e PKPbc	Z	08:43:32.2	147.8	36.5					
MOX	e PKPbc	Z	08:43:31.8	147.8	35.1					
WERN	e PKPbc	Z	08:43:31.9	147.8	36.6					
MANZ	e PKPbc	Z	08:43:33.0	148.2	36.5					
UBBA	e PKPbc	Z	08:43:33.0	148.2	32.3					
ROTZ	e PKPbc	Z	08:43:33.5	148.3	36.9					
GEC2	e PKPbc	Z	08:43:33.6	148.4	40.2					
GRA1	e PKPbc	Z	08:43:34.5	148.7	35.4					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

49

TNS	e PKPbc	Z	08:43:35.8	149.3	30.3
BFO	e PKPbc	Z	08:43:40.2	150.9	31.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/22	21:29: 5.0	7.611S	127.442E	157.0G				NEIC
Banda Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKiKP	Z 21:47:22.2	112.6	74.4					
	e PKKP	Z 21:58:21.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/23	05:01:38.5	45.515N	9.748E	10.0G			3.6	SZGRF
Northern Italy								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
DAVA	e Pg	Z 05:02:10.2	1.8	183.0					3.6
	e Sg	N 05:02:34.8							
FUR	e Pn	Z 05:02:22.9	2.8	202.1					3.9
KBA	e Pn	Z 05:02:25.2	2.9	239.1					3.3
BFO	e Pn	Z 05:02:24.6	3.0	160.5					3.6
STU	e Sn	E 05:03:06.0	3.3	173.2					3.9
MOA	e Pn	Z 05:02:36.9	3.9	234.7					3.5
WET	e Pn	Z 05:02:40.6	4.2	211.5					3.6
GEC2	e Pn	Z 05:02:41.8	4.3	220.4					3.5
	e Sn	E 05:03:29.0							
GRA1	e Sn	E 05:03:30.6	4.3	193.9					4.0
ARSA	e Pn	Z 05:02:44.0	4.3	248.6					3.1
TNS	e Pn	Z 05:02:49.1	4.8	169.0					3.7
	e Sn	N 05:03:42.1							
MOX	e Sn	E 05:03:52.9	5.3	194.4					3.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/23	15:55:14.1	15.174S	167.343E	127.0G				NEIC
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 16:14:15.8	138.4	40.6					
FBE	e PKPdf	Z 16:14:15.9	138.6	39.8					
CLZ	e PKPdf	Z 16:14:16.8	139.0	35.1					
TANN	e PKPdf	Z 16:14:19.3	139.3	39.0					
WERD	e PKPdf	Z 16:14:18.8	139.4	38.7					
GUNZ	e PKPdf	Z 16:14:19.3	139.4	38.8					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

50

MOX	e	PKPdf	Z	16:14:18.3	139.5	37.6
MANZ	e	PKPdf	Z	16:14:20.7	139.8	38.8
GEC2	e	PKPdf	Z	16:14:21.5	140.0	41.8
GRA1	e	PKPdf	Z	16:14:22.5	140.4	37.8
TNS	e	PKPdf	Z	16:14:23.3	141.0	33.5
WLF	e	PKPdf	Z	16:14:27.6	142.3	30.6
BFO	e	PKPdf	Z	16:14:27.8	142.6	34.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z	18:35:02.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/23	21:38:11.1	28.440N	55.554E	24.8	4.8			SZGRF
Southern Iran								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z	21:45:29.5	38.3	109.7	1.1	11	4.7
WET	e	P	Z	21:45:30.4	38.5	106.6	1.7	17	4.7
FBE	e	P	Z	21:45:33.9	38.7	109.2	1.5	21	4.7
CLL	e	P	Z	21:45:36.0	39.0	109.3	1.0	16	4.8
ROTZ	e	P	Z	21:45:36.7	39.1	106.7	1.6	30	4.9
WERN	e	P	Z	21:45:36.2	39.1	107.4	1.8	20	4.6
GUNZ	e	P	Z	21:45:37.2	39.1	107.5	1.5	13	4.5
MANZ	e	P	Z	21:45:37.4	39.2	106.8	1.3	10	4.5
FUR	e	P	Z	21:45:36.9	39.2	103.9	1.5	39	5.0
GRA1	e	P	Z	21:45:41.1	39.6	105.6	0.9	16	4.8
	e	pP	Z	21:45:47.6					
GRFO	e	P	Z	21:45:40.7	39.6	105.6			
MOX	e	P	Z	21:45:41.5	39.7	107.1			
UBBA	e	P	Z	21:45:49.7	40.7	105.7	1.8	36	4.8
CLZ	e	P	Z	21:45:49.6	40.8	107.2	0.8	33	5.1
NRDL	e	P	Z	21:45:53.0	41.1	107.7	1.0	38	5.1
TNS	e	P	Z	21:45:57.0	41.5	103.6	1.4	24	4.7
IBBN	e	P	Z	21:46:04.9	42.4	105.1	1.3	58	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/23	22:30:52.6	19.380S	178.080W	642.7				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

51

BSEG	e	PKPbc	Z	22:49:22.0	144.8	13.8		
RUE	e	PKPbc	Z	22:49:24.5	145.6	20.1		
NRDL	e	PKPbc	Z	22:49:26.2	146.3	14.0		
CLZ	e	PKPbc	Z	22:49:28.2	146.9	14.7		
CLL	i	PKPbc	- Z	22:49:28.0	146.9	19.4	0.7	61
	e	PKPab	Z	22:49:31.0				
	e			22:49:40.4				
	e	pPKPpdf	Z	22:51:54.1				
BRG	e	PKPbc	Z	22:49:28.6	147.1	21.2		
FBE	e	PKPbc	Z	22:49:29.1	147.2	20.2		
MOX	e	PKPbc	Z	22:49:30.5	147.8	17.3		
TANN	e	PKPbc	Z	22:49:30.8	147.9	18.9		
WERD	e	PKPbc	Z	22:49:30.6	147.9	18.6		
GUNZ	e	PKPbc	Z	22:49:31.2	147.9	18.7		
MANZ	e	PKPbc	Z	22:49:32.2	148.3	18.5		
ROTZ	e	PKPbc	Z	22:49:32.6	148.5	18.8		
TNS	e	PKPbc	Z	22:49:33.0	148.7	11.9		
GRA1	e	PKPbc	Z	22:49:33.1	148.8	17.1		
	e	pPKPbc	Z	22:51:57.7				
	e			22:53:12.9				
WET	e	PKPbc	Z	22:49:33.5	149.0	20.4		
GEC2	e	PKPbc	Z	22:49:33.6	149.0	22.0		
WLF	e	PKPbc	Z	22:49:35.4	149.5	7.9		
STU	e	PKPbc	Z	22:49:36.3	150.0	13.8		
FUR	e	PKPbc	Z	22:49:36.5	150.2	18.0		
BFO	e	PKPbc	Z	22:49:37.0	150.6	12.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24	04:05: 0.7	48.160N	152.080E	33.0N	5.4			SZGRF
Kuril Islands, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	04:16:29.5	72.9	25.6	1.0	29	5.4		
RUE	e P	Z	04:16:31.5	73.3	27.6	0.9	52	5.5		
NRDL	e P	Z	04:16:37.1	74.3	25.3	0.9	26	5.2		
CLL	e P	Z	04:16:38.3	74.5	27.0	1.0	77	5.7		
BRG	e P	Z	04:16:39.1	74.7	27.5	0.9	18	5.1		
FBE	e P	Z	04:16:40.0	74.8	27.1	1.0	38	5.4		
IBBN	e P	Z	04:16:41.6	75.0	23.7	0.9	42	5.5		
TANN	e P	Z	04:16:44.2	75.5	26.5	0.8	9	5.0		
WERD	e P	Z	04:16:44.3	75.5	26.4	0.8	16	5.2		
MOX	e P	Z	04:16:44.4	75.5	26.0	1.1	40	5.4		
GUNZ	e P	Z	04:16:44.8	75.6	26.4	0.9	24	5.3		
WERN	e P	Z	04:16:45.1	75.6	26.4	1.1	40	5.5		
UBBA	e P	Z	04:16:45.8	75.8	25.0	0.7	15	5.2		
MANZ	e P	Z	04:16:47.0	76.0	26.2	1.1	27	5.3		
ROTZ	e P	Z	04:16:48.2	76.2	26.3	0.9	29	5.4		

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

52

GRA1	e P	Z	04:16:50.3	76.5	25.7	0.9	70	5.8
WET	e P	Z	04:16:50.4	76.5	26.6	1.1	40	5.4
GEC2	e P	Z	04:16:50.0	76.5	27.1	0.7	14	5.2
TNS	e P	Z	04:16:51.5	76.8	24.0	0.8	37	5.6
FUR	e P	Z	04:16:57.7	77.9	25.5	1.1	55	5.6
STU	e P	Z	04:16:57.6	77.9	24.3	1.0	33	5.4
BFO	e P	Z	04:17:01.0	78.5	23.7	1.0	32	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24	07:39:39.0	42.700S	42.100E	10.0	5.5	4.9		NEIC
Prince Edward Islands, South Africa, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:53:05.9	96.3	157.7	2.1	36	5.5		
	e L	Z 08:36:22.5			20.2	382		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:03:41.9							
	e	10:03:57.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24	13:35:28.7	5.486S	11.535W	38.3	4.9			SZGRF
Ascension Island region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
TNS	e P	Z 13:45:20.3	58.3	203.6	1.5	21	5.0		
GRA1	e P	Z 13:45:22.1	58.6	206.8					
WET	e P	Z 13:45:21.8	58.6	208.8	1.3	14	5.0		
	e pP	Z 13:45:32.7							
GEC2	e P	Z 13:45:22.2	58.6	209.8	1.0	11	4.9		
ROTZ	e P	Z 13:45:24.3	59.0	207.9	1.5	11	4.9		
MANZ	e P	Z 13:45:25.5	59.1	207.7	1.1	9	4.9		
WERN	e P	Z 13:45:27.7	59.5	207.9	1.3	11	4.9		
	e pP	Z 13:45:38.8							
GUNZ	e P	Z 13:45:27.6	59.5	207.9	1.8	26	5.1		
	e pP	Z 13:45:38.9							
MOX	e P	Z 13:45:27.8	59.6	207.0	1.3	8	4.8		
WERD	e P	Z 13:45:29.3	59.6	207.8	1.2	9	4.9		
	e pP	Z 13:45:39.9							
TANN	e P	Z 13:45:28.3	59.6	208.0					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

53

FBE	e P	Z	13:45:33.1	60.3	208.8	0.6	4	4.8
	e pP	Z	13:45:42.4					
BRG	e P	Z	13:45:33.9	60.5	209.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24	13:38:15.8	6.298S	12.501W	25.2	4.5			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:48:17.2	59.7	207.6	1.0	6	4.5		
	e pP	Z 13:48:24.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24	17:29:29.8	53.800S	140.800E	10.0				NEIC

West of Macquarie Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 17:49:17.8	149.2	117.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/24	19:13:47.4	19.800S	70.200W	10.0		5.1		NEIC

Near coast of northern Chile

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 19:27:30.5	99.6	250.7					
	e PP	Z 19:31:28.1							
	e PKKP	Z 19:43:52.1							
	e	19:44:20.8							
	e L	Z 20:10:36.0			20.3	626		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25	00:42:1.2	37.740N	137.410E	33.0N	6.1	7.1		SZGRF

Near west coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 00:53:47.4	76.0	42.4	1.5	530	6.4		
RUE	e P	Z 00:53:54.9	77.4	42.4	1.9	679	6.4		
BSEG	e P	Z 00:53:56.5	77.6	40.2	1.3	182	6.0		
BRG	e P	Z 00:54:00.9	78.5	42.3	1.5	240	6.0		
CLL	e P	Z 00:54:01.2	78.6	41.7	1.1	216	6.1		
	e PP	Z 00:57:05.3							

	e S	E	01:03:59.0								
	e SP	Z	01:04:42.7								
	e SS	E	01:09:03.5								
	e SSS	E	01:12:35.8								
	e LR	Z	01:19:59.2								
	e PKPPKPdf	Z	01:21:02.8								
FBE	e P	Z	00:54:02.2	78.7	41.9	1.4	338	6.2			
NRDL	e P	Z	00:54:03.0	78.8	39.9	2.1	375	6.1			
CLZ	e P	Z	00:54:05.4	79.2	40.0	1.3	248	6.0			
TANN	e P	Z	00:54:06.4	79.5	41.2	1.5	144	5.7			
WERD	e P	Z	00:54:06.5	79.5	41.1	1.3	120	5.7			
GUNZ	e P	Z	00:54:06.9	79.5	41.2	1.4	165	5.8			
WERN	e P	Z	00:54:07.1	79.6	41.2	1.4	150	5.7			
MOX	e P	Z	00:54:07.2	79.6	40.7	1.5	189	5.8			
IBBN	e P	Z	00:54:08.4	79.9	38.2	1.1	224	6.0			
MANZ	e P	Z	00:54:08.9	79.9	41.0	1.7	225	5.8			
ROTZ	e P	Z	00:54:09.9	80.0	41.0	1.4	238	5.9			
	e PP	Z	00:57:05.7								
GEC2	e P	Z	00:54:09.5	80.1	41.9	1.5	133	5.7			
WET	e P	Z	00:54:10.7	80.2	41.4	1.4	182	5.9			
GRA1	e P	Z	00:54:12.5	80.5	40.3	1.2	430	6.4			
	e L	Z	01:30:40.7			18.4	87001	7.1			
GRFO	e P	Z	00:54:12.5	80.5	40.3	1.2	407	6.3			
TNS	e P	Z	00:54:15.9	81.2	38.5	1.5	204	6.0			
FUR	e P	Z	00:54:18.2	81.7	40.2	1.9	715	6.5			
STU	e P	Z	00:54:20.1	82.1	38.9	1.3	246	6.2			
WLF	e P	Z	00:54:23.2	82.6	36.8	1.9	434	6.4			
BFO	e P	Z	00:54:23.7	82.8	38.2	1.3	278	6.3			

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/25 00:40: 2.1 20.700S 169.400E 35.0 7.1 NEIC
 Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z 00:59:31.8	144.2	41.6					
CLL	e PKPpre	Z 00:59:32.1	144.3	39.9					
	e PKPdf	Z 00:59:34.4							
	e PKiKP	Z 00:59:36.8							
	e pPKPdf	Z 00:59:45.1							
	e PP	Z 01:02:46.0							
	e SKPdf	Z 01:03:09.4							
NRDL	e PKPbc	Z 00:59:32.8	144.4	34.6					
FBE	e PKPbc	Z 00:59:32.8	144.4	40.7					
CLZ	e PKPbc	Z 00:59:33.0	144.8	35.6					
TANN	e PKPbc	Z 00:59:35.1	145.2	39.9					
WERD	e PKPbc	Z 00:59:35.1	145.2	39.7					
GUNZ	e PKPbc	Z 00:59:35.6	145.3	39.8					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

55

MOX	e	PKPbc	Z	00:59:35.8	145.3	38.4					
MANZ	e	PKPbc	Z	00:59:36.1	145.6	39.8					
ROTZ	e	PKPbc	Z	00:59:36.0	145.8	40.1					
GEC2	e	PKPbc	Z	00:59:36.4	145.8	43.2					
WET	e	PKPbc	Z	00:59:36.2	146.0	41.7					
GRA1	e	PKPbc	Z	00:59:36.7	146.2	38.7					
	e	SKPdf	Z	01:03:14.8							
	e	L	Z	02:07:57.8			21.7	36090		7.1	
TNS	e	PKPbc	Z	00:59:37.4	146.9	34.0					
STU	e	PKPbc	Z	00:59:39.6	147.8	36.4					
WLF	e	PKPbc	Z	00:59:41.0	148.1	30.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25	01:08:10.1	24.110S	169.670E	35.0				SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e	PKPbc	Z 01:27:46.6	146.2	42.1					
BSEG	e	PKPbc	Z 01:27:46.3	146.4	35.6					
BRG	e	PKPbc	Z 01:27:49.6	147.3	44.1					
CLL	e	PKPdf	Z 01:27:49.8	147.4	42.2					
	e	pPKPdf	Z 01:28:02.9							
	e	PP	Z 01:31:10.3							
	e	PPP	Z 01:34:20.0							
	e	SS	Z 01:50:05.2							
FBE	e	PKPbc	Z 01:27:50.6	147.6	43.1					
NRDL	e	PKPbc	Z 01:27:50.4	147.7	36.6					
CLZ	e	PKPbc	Z 01:27:52.2	148.1	37.6					
TANN	e	PKPbc	Z 01:27:52.1	148.3	42.3					
WERD	e	PKPbc	Z 01:27:52.8	148.4	42.1					
WERN	e	PKPbc	Z 01:27:53.7	148.5	42.3					
MOX	e	PKPbc	Z 01:27:52.9	148.5	40.8					
IBBN	e	PKPbc	Z 01:27:53.5	148.6	33.0					
GEC2	e	PKPbc	Z 01:27:53.4	148.9	46.0					
ROTZ	e	PKPbc	Z 01:27:53.6	148.9	42.7					
WET	e	PKPbc	Z 01:27:54.6	149.1	44.4					
GRA1	e	PKPbc	Z 01:27:54.8	149.4	41.2					
STU	e	PKPbc	Z 01:27:59.5	151.0	38.9					
BFO	e	PKPbc	Z 01:28:00.6	151.7	38.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z 01:36:42.7							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

57

BFO e PKPbc Z 04:04:10.7 151.2 9.3

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/25 04:02:28.8 21.300S 169.940E 35.4
Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	04:22:00.8	145.0	41.3					
CLL	e PKPbc	Z	04:22:00.7	145.0	39.5					
FBE	e PKPbc	Z	04:22:01.8	145.2	40.4					
CLZ	e PKPbc	Z	04:22:03.0	145.6	35.1					
	e pPKPbc	Z	04:22:13.5							
TANN	e PKPbc	Z	04:22:03.7	145.9	39.6					
IBBN	e PKPbc	Z	04:22:04.5	146.1	30.7					
MOX	e PKPbc	Z	04:22:04.2	146.1	38.1					
	e pPKPbc	Z	04:22:15.0							
MANZ	e PKPbc	Z	04:22:05.7	146.4	39.4					
ROTZ	e PKPbc	Z	04:22:06.2	146.5	39.8					
GEC2	e PKPbc	Z	04:22:06.0	146.6	43.0					
WET	e PKPbc	Z	04:22:06.6	146.7	41.4					
GRA1	e PKPbc	Z	04:22:07.5	147.0	38.4					
	e pPKPbc	Z	04:22:18.0							
TNS	e PKPbc	Z	04:22:09.5	147.6	33.5					
STU	e PKPbc	Z	04:22:12.0	148.5	36.0					
	e PKPab	Z	04:22:14.7							
WLF	e PKPbc	Z	04:22:13.1	148.9	30.2					
	e PKPab	Z	04:22:16.5							
BFO	e PKPab	Z	04:22:17.4	149.2	35.1					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/25

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	05:17:30.4							

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/25 05:08:49.2 19.940S 170.551E 33.0N
Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	05:28:15.0	142.8	31.7					
BRG	e PKPbc	Z	05:28:18.2	144.0	39.4					
CLL	e PKPbc	Z	05:28:18.1	144.0	37.7					

NRDL	e	PKPbc	Z	05:28:19.0	144.1	32.4
CLZ	e	PKPbc	Z	05:28:20.4	144.5	33.3
TANN	e	PKPbc	Z	05:28:21.0	144.9	37.6
IBBN	e	PKPbc	Z	05:28:21.8	145.0	29.0
MOX	e	PKPbc	Z	05:28:21.8	145.1	36.2
MANZ	e	PKPbc	Z	05:28:22.8	145.4	37.5
ROTZ	e	PKPbc	Z	05:28:23.3	145.6	37.8
GEC2	e	PKPbc	Z	05:28:23.3	145.6	40.9
WET	e	PKPbc	Z	05:28:24.0	145.8	39.4
GRA1	e	PKPbc	Z	05:28:25.1	146.0	36.4
TNS	e	PKPbc	Z	05:28:26.6	146.6	31.6
FUR	e	PKPbc	Z	05:28:29.6	147.2	37.9
STU	e	PKPbc	Z	05:28:29.3	147.5	34.0
WLF	e	PKPbc	Z	05:28:30.6	147.8	28.3
BFO	e	PKPbc	Z	05:28:30.9	148.2	33.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/25 09:11:49.7 37.860N 136.300E 15.3 5.3
 Near west coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 09:23:43.5	77.1	40.9	1.6	53	5.4		
BRG	e P	Z 09:23:47.7	77.9	43.0	1.3	23	5.1		
CLL	e P	Z 09:23:47.8	78.0	42.4	1.2	35	5.4		
NRDL	e P	Z 09:23:49.8	78.3	40.6	2.1	86	5.4		
CLZ	e P	Z 09:23:51.8	78.7	40.7	1.5	55	5.4		
TANN	e P	Z 09:23:52.4	78.9	41.9	2.1	66	5.3		
MOX	e P	Z 09:23:53.2	79.1	41.4	2.1	80	5.4		
MANZ	e P	Z 09:23:55.7	79.4	41.6					
ROTZ	e P	Z 09:23:56.3	79.5	41.7	1.7	80	5.4		
GEC2	e P	Z 09:23:56.2	79.5	42.6	1.3	16	4.8		
WET	e P	Z 09:23:57.1	79.6	42.1	1.2	22	5.0		
GRA1	e P	Z 09:23:59.3	80.0	41.0	1.3	77	5.5		
	e pP	Z 09:24:03.7							
TNS	e P	Z 09:24:02.4	80.7	39.2	1.3	23	5.1		
FUR	e P	Z 09:24:05.1	81.1	40.9	1.1	44	5.4		
STU	e P	Z 09:24:07.1	81.5	39.5	1.2	35	5.4		
BFO	e P	Z 09:24:10.7	82.2	38.9	1.2	51	5.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/25 09:07:14.4 22.160S 168.190E 31.8
 New Caledonia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z 09:26:47.3	145.0	44.5					

CLL	e	PKPbc	Z	09:26:47.1	145.1	42.8
NRDL	e	PKPbc	Z	09:26:48.2	145.3	37.4
CLZ	e	PKPbc	Z	09:26:49.6	145.7	38.4
TANN	e	PKPbc	Z	09:26:50.4	146.0	42.9
WERN	e	pPKPbc	Z	09:27:01.0	146.1	42.9
MOX	e	PKPbc	Z	09:26:51.0	146.2	41.4
IBBN	e	PKPbc	Z	09:26:51.0	146.3	34.0
	e	pPKPbc	Z	09:27:00.6		
MANZ	e	PKPbc	Z	09:26:51.9	146.4	42.8
GEC2	e	PKPbc	Z	09:26:51.8	146.5	46.3
ROTZ	e	PKPbc	Z	09:26:52.4	146.5	43.1
GRA1	e	PKPbc	Z	09:26:53.9	147.0	41.8
TNS	e	PKPbc	Z	09:26:55.9	147.8	36.9
WLF	e	PKPbc	Z	09:26:59.8	149.1	33.8
	e	pPKPbc	Z	09:27:09.3		
BFO	e	PKPbc	Z	09:27:00.0	149.3	38.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/25 10:37:13.0 19.872S 170.714E 33.0N
 Vanuatu Islands SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	10:56:38.5	142.8	31.4				
BRG	e	PKPbc	Z	10:56:42.3	144.0	39.1				
CLL	e	PKPbc	Z	10:56:42.1	144.0	37.4				
NRDL	e	PKPbc	Z	10:56:42.6	144.1	32.2				
CLZ	e	PKPbc	Z	10:56:44.6	144.5	33.0				
TANN	e	PKPbc	Z	10:56:45.3	144.9	37.3				
IBBN	e	PKPbc	Z	10:56:46.0	145.0	28.7				
MOX	e	PKPbc	Z	10:56:45.8	145.1	35.9				
MANZ	e	PKPbc	Z	10:56:46.9	145.4	37.2				
ROTZ	e	PKPbc	Z	10:56:47.4	145.6	37.5				
GEC2	e	PKPbc	Z	10:56:47.6	145.7	40.6				
WET	e	PKPbc	Z	10:56:47.8	145.8	39.1				
GRA1	e	PKPbc	Z	10:56:49.1	146.0	36.1				
	e	PKPab	Z	10:56:50.5						
TNS	e	PKPbc	Z	10:56:50.6	146.5	31.3				
	e	PKPab	Z	10:56:52.7						
FUR	e	PKPbc	Z	10:56:52.3	147.2	37.6				
	e	PKPab	Z	10:56:54.9						
STU	e	PKPbc	Z	10:56:53.3	147.5	33.7				
	e	PKPab	Z	10:56:56.1						
WLF	e	PKPbc	Z	10:56:54.5	147.8	28.0				
BFO	e	PKPbc	Z	10:56:54.6	148.2	32.7				
	e	PKPab	Z	10:56:58.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25	13:57:58.5	38.280N	20.374E	10.0G		5.3		SZGRF

Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	14:00:40.7	11.6	153.0	0.9	78			
FUR	e Pn	Z	14:00:46.0	11.9	142.9	1.0	297			
	e Sn	N	14:02:53.0							
WET	e Pn	Z	14:00:47.9	12.1	150.8	1.1	125			
ROTZ	e Pn	Z	14:00:59.0	12.9	150.0	1.2	49			
MANZ	e Pn	Z	14:01:02.7	13.1	150.1	1.2	74			
GRA1	e Pn	Z	14:01:02.9	13.2	146.7	1.3	82			
	e L	Z	14:07:44.2			18.5	19088		5.3	
STU	e Pn	Z	14:01:04.3	13.2	138.3	0.9	140			
WERN	e Pn	Z	14:01:05.4	13.3	151.6	0.9	25			
BFO	e Pn	Z	14:01:06.2	13.3	134.6	1.2	152			
GUNZ	e Pn	Z	14:01:06.9	13.4	151.6	0.9	32			
TANN	e Pn	Z	14:01:07.1	13.4	152.1	1.1	30			
BRG	e Pn	Z	14:01:06.0	13.4	157.7	1.6	83			
WERD	e Pn	Z	14:01:08.6	13.4	151.7	0.9	25			
FBE	e Pn	Z	14:01:10.6	13.6	155.9	1.5	142			
CLL	e Pn	E	14:01:12.9	14.0	155.4					
	e Pn	Z	14:01:15.8			1.5	180			
TNS	e Pn	Z	14:01:23.3	14.6	140.1					
NRDL	e Pn	Z	14:01:42.6	15.9	149.3	1.3	167			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	15:30:35.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	16:53:32.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/25	18:57:22.6	38.208N	20.244E	10.0G		4.1		SZGRF

Greece

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

61

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	19:00:04.3	11.6	153.6					
	e Sn	N	19:02:11.0							
WET	e Pn	Z	19:00:12.3	12.2	151.4					
ROTZ	e Pn	Z	19:00:21.9	12.9	150.5					
MANZ	e Pn	Z	19:00:25.8	13.1	150.7					
GRA1	e Pn	Z	19:00:27.0	13.2	147.3	18.2	1186		4.1	
	e L	Z	19:07:14.5							
STU	e Pn	Z	19:00:27.2	13.2	138.9					
BFO	e Pn	Z	19:00:28.4	13.3	135.2					
BRG	e Pn	Z	19:00:30.1	13.4	158.2					
MOX	e Pn	Z	19:00:36.0	13.9	150.5					
TNS	e Pn	Z	19:00:47.3	14.7	140.6					
CLZ	e Pn	Z	19:01:01.7	15.3	149.3					
NRDL	e Pn	Z	19:01:09.9	15.9	149.7					
IBBN	e Pn	Z	19:01:18.4	16.6	143.4					
BSEG	e Pn	Z	19:01:19.5	17.1	152.6					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/25 21:57: 7.3 21.490S 169.560E 35.0
 Southeast of Loyalty Islands SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	22:16:39.6	145.0	42.0					
CLL	e PKPbc	Z	22:16:39.1	145.0	40.2					
NRDL	e PKPbc	Z	22:16:40.0	145.2	34.9					
FBE	e PKPbc	Z	22:16:40.3	145.2	41.1					
CLZ	e PKPbc	Z	22:16:42.0	145.6	35.8					
TANN	e PKPbc	Z	22:16:43.0	145.9	40.3					
WERD	e PKPbc	Z	22:16:43.2	146.0	40.0					
GUNZ	e PKPbc	Z	22:16:43.6	146.0	40.1					
WERN	e PKPbc	Z	22:16:43.6	146.1	40.3					
MOX	e PKPbc	Z	22:16:43.1	146.1	38.8					
IBBN	e PKPbc	Z	22:16:43.6	146.1	31.4					
ROTZ	e PKPbc	Z	22:16:44.5	146.5	40.5					
GEC2	e PKPbc	Z	22:16:44.8	146.6	43.7					
WET	e PKPbc	Z	22:16:44.6	146.7	42.2					
GRA1	e PKPbc	Z	22:16:45.9	147.0	39.1					
BFO	e PKPbc	Z	22:16:52.2	149.2	35.8					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/25 22:16:41.6 36.436N 135.765E 33.0N 4.7
 Sea of Japan SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

62

GRA1 e P Z 22:28:53.0 80.9 42.2 1.0 9 4.7

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/26 02:19:38.2 38.247N 20.098E 10.0G 3.8
Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 02:22:20.0	11.6	154.1					
FUR	e Pn	Z 02:22:23.5	11.8	143.9					
	e Sn	N 02:24:30.7							
WET	e Pn	Z 02:22:26.7	12.1	151.8					
ROTZ	e Pn	Z 02:22:37.9	12.8	150.9					
GRA1	e Pn	Z 02:22:41.5	13.1	147.6					
	e L	Z 02:29:29.0			18.3	610		3.8	
STU	e Pn	Z 02:22:42.7	13.1	139.2					
BFO	e Pn	Z 02:22:44.5	13.2	135.5					
WERN	e Pn	Z 02:22:45.3	13.2	152.5					
GUNZ	e Pn	Z 02:22:47.5	13.3	152.6					
BRG	e Pn	Z 02:22:44.4	13.4	158.6					
MOX	e Pn	Z 02:22:49.6	13.8	150.9					
TNS	e Pn	Z 02:23:02.3	14.6	140.9					
NRDL	e Pn	Z 02:23:22.4	15.8	150.1					
BSEG	e Pn	Z 02:23:37.1	17.1	152.9					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/26 02:47: 5.3 16.326S 71.627W 33.0N 5.4 5.0
Southern Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:00:37.9	97.9	254.0	1.3	9	5.4		
	e L	Z 03:42:58.3			19.7	527		5.0	

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/26 06:36:52.4 28.637N 58.011E 33.0N 4.7
Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 06:44:17.7	39.3	104.4	0.8	19	5.1		
BRG	e P	Z 06:44:20.4	39.7	107.0	1.0	7	4.6		
WET	e P	Z 06:44:22.5	39.9	104.0					
CLL	e P	Z 06:44:26.8	40.4	106.6	1.3	25	5.0		
ROTZ	e P	Z 06:44:27.7	40.4	104.1	1.0	8	4.6		
TANN	e P	Z 06:44:27.0	40.4	105.0					

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:13:10.8			1.7	12			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/27								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:02:56.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/27	01:11: 6.7	48.416N	26.035W	33.0N	4.1	3.3		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:16:20.6	24.2	281.4	1.2	7	4.1		
	e L	Z 01:24:48.3			21.0	114		3.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/27	02:30:33.0	48.092N	26.542W	18.8	4.7	4.3		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:35:52.5	24.6	280.9	1.5	24	4.7		
	e pP	Z 02:35:57.3							
	e L	Z 02:44:32.0			21.7	1176		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/27	07:34:55.5	48.375N	26.235W	33.0N	4.2	3.5		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:40:10.6	24.3	281.4	1.1	8	4.2		
	e L	Z 07:48:48.5			20.8	171		3.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/27	08:03:33.0	21.400S	177.300W	300.0				GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

65

GRA1 e PKP Z 08:23:08.5 150.9 16.5

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/27 08:56:12.9 37.100N 13.300W
Azores-Cape St. Vincent Ridge

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e L Z 09:17:36.4 21.3 243.7 28.4 573 3.8

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/27 12:14: 3.4 48.900N 153.600E 33.0N 5.6 4.6
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG e P Z 12:25:30.5 72.6 24.3 1.1 54 5.6
RUE e P Z 12:25:32.6 73.0 26.3 1.1 87 5.8
NRDL e P Z 12:25:37.8 74.0 24.0 1.1 36 5.3
CLL e P Z 12:25:39.7 74.3 25.7 0.9 79 5.7
BRG e P Z 12:25:40.5 74.4 26.2 1.1 40 5.4
CLZ e P Z 12:25:41.4 74.5 24.1 1.2 96 5.7
FBE e P Z 12:25:41.1 74.6 25.9 0.9 64 5.6
IBBN e P Z 12:25:42.1 74.7 22.5 1.1 56 5.5
PST e P Z 12:25:43.1 74.9 25.2 1.0 63 5.6
TANN e P Z 12:25:45.3 75.3 25.2 1.5 47 5.4
WERD e P Z 12:25:45.3 75.3 25.2 1.1 48 5.5
MOX e P Z 12:25:45.3 75.3 24.7 1.1 57 5.6
GUNZ e P Z 12:25:45.9 75.3 25.2 1.0 45 5.6
WERN e P Z 12:25:46.1 75.4 25.2 0.9 55 5.7
UBBA e P Z 12:25:46.7 75.5 23.8 1.6 82 5.6
MANZ e P Z 12:25:48.0 75.7 25.0 1.1 39 5.5
ROTZ e P Z 12:25:49.2 75.9 25.0 1.1 65 5.7
GRA1 e P Z 12:25:51.3 76.2 24.4 1.0 115 6.0
e L Z 13:03:19.3 20.3 337 4.6
WET e P Z 12:25:51.6 76.3 25.4 1.0 87 5.8
GEC2 e P Z 12:25:51.3 76.3 25.8 0.9 38 5.5
TNS e P Z 12:25:52.4 76.5 22.7 1.0 65 5.7
STU e P Z 12:25:58.8 77.6 23.1 1.0 71 5.8
FUR e P Z 12:25:59.2 77.6 24.3 1.0 123 6.0
BFO e P Z 12:26:01.9 78.2 22.5 1.2 86 5.7

Date Origin Time Lat Long Depth mb Ms ML Source
2007/03/27 20:14:12.3 21.940S 174.660W 33.0
Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	20:33:53.4	147.8	8.7					
CLL	e PKPbc	Z	20:33:59.9	150.0	14.3					
BRG	e PKPbc	Z	20:33:59.9	150.3	16.3					
FBE	e PKPbc	Z	20:34:00.4	150.4	15.2					
WERD	e PKPbc	Z	20:34:02.6	151.0	13.4					
GUNZ	e PKPbc	Z	20:34:03.1	151.1	13.5					
WERN	e PKPbc	Z	20:34:02.3	151.1	13.6					
MANZ	e PKPbc	Z	20:34:03.3	151.5	13.2					
ROTZ	e PKPbc	Z	20:34:03.9	151.7	13.5					
GRA1	e PKPbc	Z	20:34:04.9	151.9	11.6					
WET	e PKPbc	Z	20:34:03.5	152.1	15.1					
GEC2	e PKPbc	Z	20:34:05.4	152.3	16.9					
FUR	e PKPbc	Z	20:34:07.8	153.4	12.3					
BFO	e PKPbc	Z	20:34:07.8	153.5	6.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/27	23:08:15.2	38.203N	139.066E	16.3	4.8			SZGRF

Near west coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:20:28.4	80.8	38.9	1.2	7	4.8		
	e pP	Z	23:20:33.1							
	e		23:20:46.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	00:39:18.0	44.800N	147.000E	205.2	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	00:50:36.6	74.6	30.3	1.0	13	4.9		
RUE	e P	Z	00:50:37.0	74.8	32.4	0.7	14	5.1		
NRDL	e P	Z	00:50:43.6	75.9	30.0	0.9	8	4.8		
CLL	e P	Z	00:50:43.8	76.0	31.7	0.6	24	5.5		
	e pP	Z	00:51:32.7							
BRG	e P	Z	00:50:44.4	76.1	32.3	1.1	9	4.8		
FBE	e P	Z	00:50:45.7	76.2	31.9	0.8	10	5.0		
CLZ	e P	Z	00:50:46.9	76.4	30.1	0.8	15	5.2		
	e pP	Z	00:51:35.8							
IBBN	e P	Z	00:50:48.7	76.8	28.4	1.0	24	5.3		
WERD	e P	Z	00:50:49.7	77.0	31.2	1.3	10	4.8		
	e pP	Z	00:51:38.7							
MOX	e P	Z	00:50:49.9	77.0	30.8	1.2	10	4.8		
	e pP	Z	00:51:38.9							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

67

GUNZ	e P	Z	00:50:50.3	77.0	31.2	0.8	8	4.9
WERN	e P	Z	00:50:50.4	77.1	31.2	0.7	9	5.0
UBBA	e P	Z	00:50:51.9	77.4	29.7	0.9	7	4.8
MANZ	e P	Z	00:50:52.2	77.4	31.0	0.9	6	4.8
ROTZ	e P	Z	00:50:53.1	77.6	31.0	1.1	8	4.8
	e pP	Z	00:51:42.5					
GEC2	e P	Z	00:50:54.6	77.9	31.9	0.9	8	4.9
WET	e P	Z	00:50:55.2	77.9	31.4	0.9	17	5.2
	e pP	Z	00:51:44.6					
GRA1	e P	Z	00:50:55.7	78.0	30.4	0.8	28	5.4
	e pP	Z	00:51:45.2					
TNS	e P	Z	00:50:57.5	78.4	28.7			
FUR	e P	Z	00:51:02.7	79.3	30.3	0.9	16	5.0
	e pP	Z	00:51:52.1					
STU	e P	Z	00:51:03.3	79.4	29.0	0.9	19	5.0
WLF	e P	Z	00:51:04.1	79.6	27.1	1.8	38	5.0
BFO	e P	Z	00:51:06.4	80.1	28.4	0.9	7	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	02:57:39.6	25.314N	101.203E	33.0N	4.6			SZGRF

Yunnan, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:08:54.3	71.0	73.0	1.4	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	03:12:10.8	39.150N	71.850E	33.0N	4.6			SZGRF

Tajikistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 03:19:55.0	41.4	83.2	0.8	14	4.7		
FBE	e P	Z 03:19:58.1	41.8	82.8	0.9	17	4.8		
GEC2	e P	Z 03:19:58.9	41.9	80.7	1.2	12	4.5		
CLL	e P	Z 03:19:58.9	42.0	83.0	0.7	10	4.6		
GUNZ	e P	Z 03:20:04.0	42.5	81.5	1.0	10	4.5		
WERD	e P	Z 03:20:03.8	42.5	81.6	1.0	8	4.4		
ROTZ	e P	Z 03:20:05.7	42.7	80.8	1.1	7	4.3		
MANZ	e P	Z 03:20:05.7	42.7	81.0	0.9	5	4.2		
MOX	e P	Z 03:20:07.2	42.9	81.3	0.9	9	4.5		
BSEG	e P	Z 03:20:10.4	43.3	83.9	1.0	16	4.7		
GRA1	e P	Z 03:20:11.3	43.3	80.1	0.9	29	5.0		
CLZ	e P	Z 03:20:12.0	43.5	81.7	0.9	8	4.5		
NRDL	e P	Z 03:20:12.9	43.6	82.2	0.9	14	4.7		
UBBA	e P	Z 03:20:15.2	43.9	80.4	0.9	5	4.3		
STU	e P	Z 03:20:22.3	44.8	77.9	1.0	17	4.9		

TNS	e P	Z	03:20:23.8	45.0	78.8	1.0	8	4.6
BFO	e P	Z	03:20:27.2	45.5	76.9	0.9	11	4.9
WLF	e P	Z	03:20:36.6	46.5	76.8	0.9	18	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	03:39:57.4	51.781N	166.719W	33.0N	4.6			SZGRF

South of Aleutian Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:51:55.8	78.5	358.7	1.0	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	04:05:41.0	38.727N	137.613E	33.0N	4.8			SZGRF

Eastern Sea of Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:17:46.3	79.8	39.7	1.1	14	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	04:22:54.8	50.971N	155.652E	33.0N	4.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:34:32.5	74.9	22.3	0.8	4	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	13:21:47.2	27.244N	110.509W	33.0N	5.1			SZGRF

Gulf of California, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:34:31.1	87.3	310.8	0.9	9	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 13:59:18.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	14:29:0.8	23.290N	105.200W	33.0N	5.3	5.1		SZGRF

Central Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	14:41:33.3	85.0	303.7	1.2	35	5.5		
NRDL	e P	Z	14:41:36.1	85.7	303.6	1.1	20	5.2		
TNS	e P	Z	14:41:38.0	86.1	302.5	1.9	41	5.2		
CLZ	e P	Z	14:41:38.8	86.2	303.9	1.4	27	5.2		
UBBA	e P	Z	14:41:40.5	86.6	303.6	1.8	45	5.3		
GRA1	e P	Z	14:41:47.3	87.9	304.6	1.3	40	5.6		
	e L	Z	15:19:00.5			18.8	705		5.1	
WERN	e P	Z	14:41:47.6	88.1	305.5	1.9	46	5.5		
WET	e P	Z	14:41:52.2	89.1	305.9	1.4	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/28	21:17:14.8	6.040S	30.090E	33.0N	6.0	5.5		SZGRF

Lake Tanganyika region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e P	Z	21:26:53.1	56.7	157.4	1.0	179	6.0		
GEC2	e P	Z	21:26:54.1	56.7	160.4	1.4	270	6.1		
	e S	R	21:34:42.5							
WET	e P	Z	21:26:57.0	57.2	159.5	1.2	173	6.0		
	e PP	Z	21:29:03.0							
BFO	e P	Z	21:27:00.1	57.6	154.1	1.4	128	5.8		
	e S	R	21:34:55.8							
STU	e P	Z	21:27:01.6	57.8	155.2	1.7	313	6.1		
	e S	R	21:34:59.4							
ROTZ	e P	Z	21:27:02.3	57.9	158.9	1.3	218	6.0		
	e PP	Z	21:29:08.8							
	e PPP	Z	21:30:28.4							
GRA1	e P	Z	21:27:03.6	58.1	157.7	1.1	371	6.3		
	e PP	Z	21:29:11.0							
	e S	R	21:34:59.4							
	e L	T	21:55:04.9			19.0	3488		5.5	
MANZ	e P	Z	21:27:04.0	58.2	158.8	1.2	295	6.2		
	e PPP	Z	21:30:31.9							
WERN	e P	Z	21:27:05.8	58.4	159.2	1.5	247	6.0		
GUNZ	e P	Z	21:27:06.5	58.5	159.2	1.3	179	5.9		
WERD	e P	Z	21:27:07.0	58.5	159.1	1.7	383	6.2		
BRG	e P	Z	21:27:06.5	58.6	161.1	1.4	138	5.8		
	e S	R	21:35:06.6							
FBE	e P	Z	21:27:07.8	58.8	160.4	1.3	102	5.7		
MOX	e P	Z	21:27:09.2	58.9	158.4	1.2	206	6.0		
	e PP	Z	21:29:17.6							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

70

CLL	e P	Z	21:27:10.9	59.2	160.1	1.3	150	5.9
TNS	e P	Z	21:27:12.1	59.3	154.8	1.1	196	6.1
	e PPP	Z	21:30:44.2					
	e S	R	21:35:18.6					
UBBA	e P	Z	21:27:13.2	59.4	156.6	1.7	322	6.1
WLF	e P	Z	21:27:13.2	59.5	152.1	1.3	139	5.8
	e PP	Z	21:29:24.0					
	e S	R	21:35:19.8					
RUE	e P	Z	21:27:17.5	60.1	161.2	1.3	366	6.2
CLZ	e P	Z	21:27:19.1	60.3	157.3	2.2	390	6.1
	e S	R	21:35:33.0					
NRDL	e P	Z	21:27:24.2	61.0	157.1	1.2	501	6.2
	e PP	Z	21:29:37.3					
IBBN	e P	Z	21:27:27.1	61.4	154.5	1.9	356	5.9
	e PP	Z	21:29:40.2					
RGN	e P	Z	21:27:31.8	62.2	161.1	1.2	280	6.4
	e S	R	21:35:57.0					
BSEG	e P	Z	21:27:32.1	62.2	157.7	1.2	298	6.4
	e S	R	21:35:57.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 04:26:50.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29	04:37:32.4	42.912N	13.265E	10.0G			3.9	SZGRF
Central Italy								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
KBA	e Pn	Z 04:38:36.2	4.2	180.8					3.9
GEC2	e Pn	Z 04:38:59.6	5.9	183.1					
	e Sn	N 04:40:06.3							
WET	e Sn	N 04:40:12.8	6.2	177.4					
BFO	e Pn	Z 04:39:06.8	6.4	145.7					
ROTZ	e Sn	N 04:40:28.7	6.9	173.5					
GRA1	e Sn	N 04:40:28.8	6.9	167.5					
GUNZ	e Pn	Z 04:39:20.3	7.5	174.7					
MOX	e Pn	Z 04:39:24.0	7.8	171.1					
	e Sn	N 04:40:49.1							
TNS	e Pn	Z 04:39:28.4	8.0	153.8					
CLL	e Pn	Z 04:39:33.0	8.4	178.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29	05:52:56.8	31.031N	141.438E	33.0N	5.4			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:05:43.9	88.0	40.9	1.8	38	5.4		
	e PP	Z 06:09:12.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29	09:14:49.3	47.669N	80.940E	33.0N	4.7			SZGRF

Eastern Kazakhstan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:22:56.9	44.4	64.6	1.1	11	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29	09:54:27.6	37.229N	135.937E	33.0N	4.8			SZGRF

Sea of Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:06:35.8	80.3	41.6	1.1	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 12:40:34.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29	20:21:35.5	42.919N	141.811E	33.0N	4.7			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:33:26.7	77.8	34.7	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/29	21:07:58.7	48.540N	149.740E	33.0N	5.4	4.6		SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	21:19:21.5	72.0	26.9	1.0	26	5.3		
RUE	e P	Z	21:19:23.4	72.3	28.9	1.1	66	5.7		
NRDL	e P	Z	21:19:29.2	73.3	26.6	0.9	32	5.3		
CLL	e P	Z	21:19:30.3	73.5	28.2	1.2	47	5.4		
BRG	e P	Z	21:19:31.1	73.6	28.8	1.3	26	5.1		
FBE	e P	Z	21:19:32.0	73.8	28.4	0.8	38	5.5		
CLZ	e P	Z	21:19:32.6	73.8	26.7	1.3	47	5.4		
IBBN	e P	Z	21:19:33.8	74.1	25.1	0.9	45	5.5		
PST	e P	Z	21:19:34.1	74.1	27.7	0.8	44	5.5		
WERD	e P	Z	21:19:36.4	74.5	27.7	1.1	28	5.2		
MOX	e P	Z	21:19:36.4	74.5	27.3	1.1	39	5.4		
GUNZ	e P	Z	21:19:36.8	74.6	27.7	1.0	31	5.3		
WERN	e P	Z	21:19:37.1	74.6	27.7	0.8	29	5.4		
UBBA	e P	Z	21:19:37.9	74.8	26.3	0.9	19	5.1		
MANZ	e P	Z	21:19:39.0	75.0	27.5	1.0	24	5.2		
ROTZ	e P	Z	21:19:40.2	75.1	27.5	1.2	39	5.3		
WET	e P	Z	21:19:42.4	75.5	27.9	1.0	47	5.6		
GEC2	e P	Z	21:19:42.0	75.5	28.3	1.0	22	5.3		
GRA1	e P	Z	21:19:42.3	75.5	26.9	1.3	58	5.5		
	e L	Z	22:00:03.3			21.9	298		4.6	
TNS	e P	Z	21:19:43.5	75.8	25.3	0.7	52	5.8		
FUR	e P	Z	21:19:49.6	76.8	26.8	0.9	61	5.7		
STU	e P	Z	21:19:49.8	76.9	25.6	0.8	40	5.6		
WLF	e P	Z	21:19:51.1	76.9	23.8	1.1	29	5.3		
BFO	e P	Z	21:19:53.0	77.5	25.0	1.0	53	5.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/29 23:49:48.9 10.938N 92.109E 33.0N 4.6
 Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:01:32.1	75.8	89.8	1.0	5	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/30 04:06:49.5 22.550S 178.670W 33.0G
 South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	04:26:31.0	147.9	15.7					
IBBN	e PKPbc	Z	04:26:35.8	149.8	11.9					
	e PKPab	Z	04:26:42.3							
CLL	e PKPbc	Z	04:26:36.3	149.9	21.8					
CLZ	e PKPbc	Z	04:26:36.6	149.9	16.8					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

73

BRG	e	PKPbc	Z	04:26:36.9	150.0	23.8
	e	PKPab	Z	04:26:41.6		
MOX	e	PKPbc	Z	04:26:38.6	150.8	19.7
	e	PKPab	Z	04:26:46.0		
UBBA	e	PKPbc	Z	04:26:38.7	150.9	16.7
ROTZ	e	PKPbc	Z	04:26:40.4	151.5	21.4
	e	PKPab	Z	04:26:48.3		
GRA1	e	PKPbc	Z	04:26:41.1	151.8	19.6
TNS	e	PKPbc	Z	04:26:40.8	151.8	14.0
WET	e	PKPbc	Z	04:26:41.7	151.9	23.1
GEC2	e	PKPbc	Z	04:26:41.5	151.9	24.9
WLF	e	PKPbc	Z	04:26:43.2	152.6	9.7
STU	e	PKPbc	Z	04:26:44.0	153.0	16.2
FUR	e	PKPbc	Z	04:26:43.9	153.2	20.7
	e	PKPab	Z	04:26:55.4		
BFO	e	PKPbc	Z	04:26:44.9	153.6	14.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30	06:44:59.3	21.830S	178.880W	590.0				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 07:03:36.8	147.1	15.9					
IBBN	e	PKPbc	Z 07:03:41.5	149.1	12.1					
CLL	e	PKPbc	Z 07:03:41.6	149.1	21.9					
	e	PKPab	Z 07:03:48.1							
	e	pPKPbc	Z 07:05:57.0							
CLZ	e	PKPdf	Z 07:03:37.0	149.1	16.9					
	e	PKPbc	Z 07:03:42.1							
	e	pPKPbc	Z 07:05:57.1							
BRG	e	PKPdf	Z 07:03:37.0	149.3	23.8					
	e	PKPbc	Z 07:03:42.2							
MOX	e	PKPbc	Z 07:03:43.8	150.0	19.8					
	e	PKPab	Z 07:03:51.7							
UBBA	e	PKPbc	Z 07:03:44.0	150.2	16.8					
ROTZ	e	PKPbc	Z 07:03:45.3	150.7	21.4					
GRA1	e	PKPbc	Z 07:03:46.0	151.0	19.6					
TNS	e	PKPbc	Z 07:03:46.2	151.0	14.1					
WET	e	PKPdf	Z 07:03:39.5	151.1	23.1					
	e	PKPbc	Z 07:03:46.3							
	e	PKPab	Z 07:03:57.2							
	e	pPKPbc	Z 07:06:02.3							
GEC2	e	PKPdf	Z 07:03:39.9	151.2	24.8					
	e	PKPbc	Z 07:03:46.5							
	e	PKPab	Z 07:03:57.3							
WLF	e	PKPbc	Z 07:03:48.5	151.9	9.9					
	e	PKPab	Z 07:04:00.3							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

74

	e pPKPbc	Z	07:06:04.4								
STU	e PKPpdf	Z	07:03:41.9	152.3	16.3						
	e PKPbc	Z	07:03:49.3								
	e PKPab	Z	07:04:01.7								
FUR	e PKPbc	Z	07:03:49.2	152.4	20.7						
	e PKPab	Z	07:04:02.6								
BFO	e PKPpdf	Z	07:03:42.3	152.9	14.8						
	e PKPbc	Z	07:03:50.0								
	e PKPab	Z	07:04:03.7								
	e pPKPbc	Z	07:06:06.8								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30	09:05:12.8	44.864N	145.545E	107.4	6.0			SZGRF
Hokkaido, Japan, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	09:16:37.0	74.1	31.3	1.1	195	6.0		
CLL	e P	Z	09:16:44.4	75.5	32.6	1.2	264	6.2		
BRG	e P	Z	09:16:44.9	75.5	33.2	1.4	118	5.8		
CLZ	e P	Z	09:16:47.4	75.9	31.0	1.4	376	6.3		
IBBN	e P	Z	09:16:49.4	76.3	29.4	1.0	195	6.2		
MOX	e P	Z	09:16:50.5	76.5	31.7	1.4	170	6.0		
UBBA	e P	Z	09:16:52.4	76.9	30.6	1.7	223	6.0		
ROTZ	e P	Z	09:16:54.0	77.0	31.9	1.3	140	5.9		
GEC2	e P	Z	09:16:55.0	77.3	32.8	1.6	111	5.8		
GRA1	e P	Z	09:16:56.2	77.4	31.3	1.1	227	6.2		
	e pP	Z	09:17:23.6							
	e sP	Z	09:17:33.7							
TNS	e P	Z	09:16:58.4	77.9	29.6	1.4	164	6.0		
FUR	e P	Z	09:17:03.2	78.7	31.2	1.1	201	6.0		
STU	e P	Z	09:17:03.9	78.9	29.9	0.9	136	6.0		
WLF	e P	Z	09:17:05.1	79.1	28.0	1.3	109	5.7		
BFO	e P	Z	09:17:07.1	79.6	29.3	1.3	132	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30	15:58:49.5	14.600S	177.700E	45.0		5.6		NEIC
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPpdf	Z	16:18:15.4	141.4	19.9					
BRG	e PKPpdf	Z	16:18:16.4	141.4	25.7					
IBBN	e PKPpdf	Z	16:18:15.9	141.4	15.7					
UBBA	e PKPpdf	Z	16:18:17.9	142.4	19.8					
ROTZ	e PKPpdf	Z	16:18:14.5	142.9	23.7					
GRA1	e PKPpdf	Z	16:18:16.3	143.2	22.2					

	e L	Z	17:09:45.9			18.3	971	5.6
WET	e PKPdf	Z	16:18:16.2	143.3	25.1			
GEC2	e PKPdf	Z	16:18:16.0	143.3	26.5			
TNS	e PKPdf	Z	16:18:16.4	143.3	17.6			
WLF	e PKPdf	Z	16:18:19.8	144.3	14.1			
STU	e PKPdf	Z	16:18:20.4	144.5	19.4			
FUR	e PKPdf	Z	16:18:21.1	144.6	23.1			
BFO	e PKPdf	Z	16:18:22.0	145.1	18.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30	16:56:48.5	37.213N	31.490E	33.0G	4.3			SZGRF

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 17:00:49.1	17.4	125.4	1.2	21	4.1		
WET	e P	Z 17:00:57.7	18.0	124.6	1.1	23	4.2		
FUR	e P	Z 17:01:00.8	18.4	119.1	1.2	29	4.3		
BRG	e P	Z 17:01:03.1	18.5	130.8	1.3	22	4.2		
ROTZ	e P	Z 17:01:04.3	18.7	124.9	1.0	24	4.4		
GRA1	e P	Z 17:01:09.9	19.2	122.9	1.0	9	4.0		
CLL	e P	Z 17:01:12.2	19.2	129.9	1.1	12	4.0		
MOX	e P	Z 17:01:13.8	19.5	125.8	1.2	45	4.6		
STU	e P	Z 17:01:17.9	19.9	117.2	1.1	38	4.6		
BFO	e P	Z 17:01:22.8	20.2	114.8	1.3	17	4.1		
UBBA	e P	Z 17:01:25.0	20.5	123.4	1.4	15	4.0		
CLZ	e P	Z 17:01:27.1	20.8	126.3	1.0	70	5.0		
TNS	e P	Z 17:01:29.7	21.0	119.5	1.3	14	4.1		
BSEG	e P	Z 17:01:41.5	22.2	130.3	1.0	16	4.4		
IBBN	e P	Z 17:01:44.8	22.4	122.9	1.0	46	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30	19:23:59.8	37.890N	31.140E	33.0G	4.4	3.9		SZGRF

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 19:27:50.4	16.7	124.5	0.8	13	4.1		
WET	e P	Z 19:27:59.9	17.3	123.7	1.3	34	4.3		
FUR	e P	Z 19:28:05.2	17.7	118.1					
BRG	e P	Z 19:28:05.6	17.8	130.2	1.5	27	4.2		
ROTZ	e P	Z 19:28:07.3	18.0	124.1	1.1	20	4.2		
GRA1	e P	Z 19:28:11.4	18.5	122.1	1.5	20	4.1		
	e L	Z 19:37:03.8			20.2	578		3.9	
CLL	e P	Z 19:28:15.0	18.5	129.4	1.7	34	4.3		
MOX	e P	Z 19:28:16.8	18.8	125.1	1.1	34	4.5		
STU	e P	Z 19:28:21.0	19.2	116.3	1.0	31	4.5		

BFO	e P	Z	19:28:24.7	19.5	113.8	1.6	43	4.4
CLZ	e P	Z	19:28:31.0	20.1	125.7	1.1	68	4.8
TNS	e P	Z	19:28:32.5	20.3	118.7	1.9	44	4.4
BSEG	e P	Z	19:28:44.1	21.5	129.9	1.0	17	4.3
IBBN	e P	Z	19:28:48.0	21.7	122.3	1.1	41	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30	19:49:2.3	2.000N	96.700E	30.0	4.5			NEIC

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:01:46.7	85.6	92.2	1.2	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/30								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 20:54:00.9							
MANZ	e P	Z 20:53:41.1							
MOX	e P	Z 20:53:47.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:25:20.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	01:25:30.4	44.698N	149.539E	46.7	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 01:37:09.1	75.4	28.7	1.1	12	4.9		
CLL	e P	Z 01:37:17.3	76.9	30.1	0.6	7	5.0		
CLZ	e P	Z 01:37:17.6	77.2	28.5	1.0	8	4.8		
UBBA	e P	Z 01:37:25.1	78.3	28.1					
WET	e P	Z 01:37:28.6	78.8	29.8	1.0	6	4.5		
GRA1	e P	Z 01:37:28.8	78.9	28.8	0.7	7	4.8		
	e pP	Z 01:37:42.3							
BFO	e P	Z 01:37:39.9	81.0	26.8	1.1	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	01:35:3.8	44.522N	146.502E	40.9	4.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:46:59.6	78.1	30.8	1.1	4	4.5		
	e pP	Z 01:47:11.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	02:06:10.7	44.200N	149.822E	47.2	4.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:18:13.9	79.4	28.8	1.1	3	4.2		
	e pP	Z 02:18:27.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	02:58:38.8	44.165N	149.833E	46.4	4.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:10:42.3	79.4	28.8	1.0	6	4.5		
	e pP	Z 03:10:55.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 03:43:30.8							
	e Sn	N 03:44:30.4							
WET	e Pn	Z 03:43:27.6							
	e Sn	N 03:44:23.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	03:41:51.5	25.927S	179.222W	397.0G				NEIC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e pPKPab	Z 04:02:43.4	153.0	24.8					

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

78

BRG	e	pPKPab	Z	04:02:43.8	153.1	26.9
FBE	e	pPKPab	Z	04:02:44.2	153.2	25.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	04:07: 7.6	19.690S	175.340E	33.0G				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e	PKPbc	Z	04:26:36.4	145.5	30.3			
BRG	e	PKPbc	Z	04:26:36.4	145.5	32.1			
CLZ	e	PKPbc	Z	04:26:37.4	145.8	25.7			
IBBN	e	PKPbc	Z	04:26:37.8	146.0	21.2			
MOX	e	PKPbc	Z	04:26:39.3	146.5	28.5			
UBBA	e	PKPbc	Z	04:26:40.4	146.8	25.8			
ROTZ	e	PKPbc	Z	04:26:41.5	147.1	30.2			
GEC2	e	PKPbc	Z	04:26:41.6	147.3	33.3			
GRA1	e	PKPbc	Z	04:26:42.5	147.4	28.6			
TNS	e	PKPbc	Z	04:26:42.9	147.7	23.6			
WLF	e	PKPbc	Z	04:26:46.0	148.8	19.9			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	05:03:20.4	14.677N	94.455W	33.0G	5.0			SZGRF
Off coast of Chiapas, Mexico								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	05:16:07.8	88.6	291.3	1.7	17	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	07:31:37.6	20.360S	169.577E	33.0G				SZGRF
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	PKPbc	Z	07:51:08.0	144.0	41.1			
CLL	e	PKPbc	Z	07:51:08.2	144.0	39.4			
CLZ	e	PKPbc	Z	07:51:11.0	144.6	35.1			
IBBN	e	PKPbc	Z	07:51:11.8	145.1	30.7			
MOX	e	PKPbc	Z	07:51:11.8	145.1	37.9			
UBBA	e	PKPbc	Z	07:51:13.2	145.6	35.3			
GEC2	e	PKPbc	Z	07:51:13.0	145.6	42.7			
WET	e	PKPbc	Z	07:51:14.4	145.7	41.2			
GRA1	e	PKPbc	Z	07:51:15.0	146.0	38.2			
WLF	e	PKPbc	Z	07:51:21.0	147.9	30.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	08:08:39.6	21.150S	170.270E	37.2				SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	08:28:12.2	145.0	40.7					
CLL	e PKPbc	Z	08:28:12.1	145.0	39.0					
NRDL	e PKPbc	Z	08:28:12.8	145.1	33.6					
FBE	e PKPbc	Z	08:28:13.0	145.2	39.8					
CLZ	e PKPbc	Z	08:28:14.1	145.6	34.5					
WERD	e PKPbc	Z	08:28:15.8	146.0	38.7					
	e pPKPab	Z	08:28:26.9							
GUNZ	e PKPbc	Z	08:28:16.2	146.0	38.8					
	e pPKPab	Z	08:28:27.3							
IBBN	e PKPbc	Z	08:28:15.6	146.0	30.1					
WERN	e pPKPab	Z	08:28:27.5	146.1	39.0					
MOX	e PKPbc	Z	08:28:15.5	146.1	37.5					
	e pPKPab	Z	08:28:27.3							
MANZ	e pPKPab	Z	08:28:28.5	146.4	38.8					
ROTZ	e PKPbc	Z	08:28:17.0	146.5	39.2					
UBBA	e PKPbc	Z	08:28:17.0	146.5	34.8					
	e pPKPab	Z	08:28:28.9							
GEC2	e PKPbc	Z	08:28:17.2	146.6	42.4					
WET	e PKPbc	Z	08:28:18.1	146.7	40.8					
GRA1	e PKPbc	Z	08:28:18.7	147.0	37.7					
	e PKPab	Z	08:28:20.9							
TNS	e PKPbc	Z	08:28:20.3	147.6	32.9					
	e PKPab	Z	08:28:23.0							
FUR	e PKPab	Z	08:28:25.3	148.2	39.3					
STU	e PKPbc	Z	08:28:23.1	148.5	35.4					
	e PKPab	Z	08:28:26.4							
WLF	e PKPbc	Z	08:28:24.0	148.8	29.5					
	e PKPab	Z	08:28:27.7							
BFO	e PKPbc	Z	08:28:24.3	149.2	34.4					
	e PKPab	Z	08:28:28.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	12:48:59.8	56.460S	124.940W	33.0G		6.2		SZGRF
Southern East Pacific Rise								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPbc	Z	13:08:52.0	151.0	236.0					
	e PKPab	Z	13:08:59.2							
STU	e PKPbc	Z	13:08:54.6	151.7	236.8					
	e PKPab	Z	13:09:01.5							

./2007/bul0703.txt

Thu Apr 23 08:38:25 2020

80

TNS	e PKPbc	Z	13:08:55.1	152.1	239.0				
	e PKPab	Z	13:09:02.2						
FUR	e PKPbc	Z	13:08:56.6	152.5	235.9				
	e PKPab	Z	13:09:03.8						
GRA1	e PKPbc	Z	13:08:58.0	153.3	238.4				
	e SS	T	13:32:18.3						
	e L	Z	14:29:55.8			19.7	3757	6.2	
CLZ	e PKPbc	Z	13:08:59.5	153.9	242.1				
WET	e PKPbc	Z	13:08:58.9	153.9	237.6				
	e PKPab	Z	13:09:11.9						
MOX	e PKPbc	Z	13:08:59.7	154.0	240.1				
	e PKPab	Z	13:09:12.1						
GEC2	e PKPbc	Z	13:09:00.0	154.2	237.1				
BSEG	e PKPbc	Z	13:09:01.1	154.8	246.0				
CLL	e PKPbc	Z	13:09:01.6	155.1	241.5				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	13:32:10.7	39.380N	141.190E	75.2	5.1			SZGRF
Eastern Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:44:01.3	77.6	36.8	1.0	24	5.3		
BRG	e P	Z 13:44:06.8	78.6	38.9	1.3	15	4.9		
CLL	e P	Z 13:44:06.8	78.7	38.3	0.9	17	5.1		
CLZ	e P	Z 13:44:10.3	79.2	36.5	1.0	20	5.0		
MOX	e P	Z 13:44:12.6	79.7	37.3	1.3	19	4.9		
ROTZ	e P	Z 13:44:15.4	80.2	37.6	1.6	27	5.0		
GEC2	e P	Z 13:44:15.8	80.3	38.5	1.1	6	4.6		
WET	e P	Z 13:44:16.6	80.4	38.0	1.2	13	4.8		
GRA1	e P	Z 13:44:18.2	80.6	36.9	1.2	31	5.2		
	e pP	Z 13:44:38.3							
TNS	e P	Z 13:44:20.9	81.3	35.1	1.3	16	5.0		
FUR	e P	Z 13:44:24.3	81.8	36.8	0.9	27	5.4		
BFO	e P	Z 13:44:29.1	82.9	34.8	1.2	35	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/03/31	20:24:29.8	45.817N	149.917E	33.0N	4.4			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:36:25.2	78.0	28.1	1.0	3	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/03/31 21:55:27.5 20.909S 169.723E 33.0G 5.2 SZGRF
 Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 22:14:55.1	143.4	33.5					
BRG	e PKPbc	Z 22:14:58.0	144.5	41.3					
CLL	e PKPbc	Z 22:14:58.6	144.6	39.6					
CLZ	e PKPbc	Z 22:15:00.5	145.2	35.2					
IBBN	e PKPbc	Z 22:15:02.1	145.6	30.8					
MOX	e PKPbc	Z 22:15:01.9	145.6	38.1					
ROTZ	e PKPbc	Z 22:15:03.7	146.1	39.8					
GEC2	e PKPbc	Z 22:15:03.2	146.1	43.0					
WET	e PKPbc	Z 22:15:04.0	146.3	41.4					
GRA1	e PKPbc	Z 22:15:05.0	146.6	38.4					
	e L	Z 23:24:11.9			20.3	444		5.2	
TNS	e PKPbc	Z 22:15:06.5	147.2	33.6					
FUR	e PKPbc	Z 22:15:08.3	147.7	40.0					
STU	e PKPbc	Z 22:15:09.5	148.1	36.1					
WLF	e PKPbc	Z 22:15:10.7	148.4	30.3					
BFO	e PKPbc	Z 22:15:09.9	148.8	35.1					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/03/31

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:04:19.2							

Format description

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(K. Klinge Email:klinge@szgrf.bgr.de and A. Schick)

In general all regional and teleseismic events clearly recorded with GRF-Array stations and stronger events recorded with stations of the German Regional Seismological Network (GRSN) are included in this bulletin. Additionally, some selected events are analysed more comprehensively at CLL-station and included in the bulletin (ISOP-analyses).

Each event is reported by several EPICENTER LINES with possible COMMENT LINES, a REGION LINE and a block of PHASE LINES.

EPICENTER LINES:

The epicenter locations of several authorities can be reported. The epicenter location with the highest priority

(i.e. the most reliable one) is written in the undermost EPICENTER LINE. The REGION LINE and all origin related parameter in the PHASE LINES (i.e. Def, Dist, EvAz) are determined regarding this epicenter location with the highest priority.

Date	Date of the event
Origin Time	Origin time of the event
Lat	Geographic latitude (N/S) of epicenter in degree
Long	Geographic longitude (E/W) of epicenter in degree
Depth	Depth of the hypocenter beneath the surface in kilometer
	Appended flag indicates the method by which the depth was determined:
	BLANK - free
	N - preset depth of 33 kilometer
	G - geophysicist preset depth
mb, Ms, ML	Magnitudes of the event and magnitude type
Source	Abbreviations for the authority (e.g. SZGRF, NEIC, SED, MAD)

COMMENT LINE:

Each EPICENTER LINE can be followed by a COMMENT LINE about interesting topics submitted by the preceding authority.

REGION LINE:

The region name of the epicenter location with the highest priority (undermost EPICENTER LINE).

PHASE LINE:

Sta	Station code of the reported phase
Phase	Preceded flag for the sharpness of the onset of the phase
	e - emergent
	i - impulsive
	w - weak
	ISC phase code
	Component where the phase was picked
Time	Arrival time of the reported phase
Dist	Distance from the epicenter location with the highest priority to the station in kilometer
BAz	Backazimuth from the epicenter location with the highest priority to the station in degree
T[s]	Phase Period
A[nm]	Phase Amplitude
mb	Body wave magnitude
MS	Surface wave magnitude
ML	Local Richter magnitude