

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

=====

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

MAY 2007            UPDATED    25.JULY.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	
2007/05/01	00:15:21.0	7.100S	155.100E	10.0		5.5		NEIC	
Bougainville - Solomon Islands region									
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 00:34:23.4			1.1	16			
	e	00:34:41.2							
	e PP	Z 00:36:15.5							
	e PPP	Z 00:38:58.1							
	e SKSac	N 00:41:26.9							
	e PSKS	E 00:46:18.6							
	e PPS	E 00:47:53.8							
	e SS	E 00:53:21.2							
	e SSS	E 00:58:12.4							
	e (SSSS)	N 01:01:30.0							
GRA1	e PKPdf	Z 00:34:27.6	127.8	47.8					
	e PP	Z 00:36:29.5							
	e L	Z 01:37:09.5			18.7	1026		5.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source	
2007/05/01	01:45:24.0	7.200S	155.200E	10.0				NEIC	
Bougainville - Solomon Islands region									
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 02:04:29.7	127.9	47.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
------	-------------	-----	------	-------	----	----	----	--------

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

2

2007/05/01 03:52:20.8 21.300S 68.300W 118.0  
Chile-Bolivia border region

NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 04:05:53.9	99.6	248.3					
	e PP	Z 04:09:49.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/01	12:41:32.7	25.868N	128.723E	31.4	4.9	4.6		SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 12:54:00.6	84.2	52.7	1.0	18	5.3		
BRG	e P	Z 12:54:00.4	84.2	55.2	1.1	8	4.9		
CLL	e P	Z 12:54:01.3	84.5	54.5	0.8	12	5.2		
TANN	e P	Z 12:54:06.0	85.3	54.1	1.1	4	4.5		
CLZ	e P	Z 12:54:07.6	85.5	52.6	0.9	16	5.1		
GEC2	e P	Z 12:54:07.2	85.5	54.9	1.0	4	4.5		
MOX	e P	Z 12:54:07.6	85.6	53.5	1.2	4	4.4		
MANZ	e P	Z 12:54:08.2	85.7	53.8	1.4	7	4.6		
ROTZ	e P	Z 12:54:08.9	85.8	53.8	0.9	8	4.8		
GRA1	e P	Z 12:54:11.8	86.3	53.1	0.9	14	5.1		
	e pP	Z 12:54:20.9							
	e L	Z 13:36:54.8			18.1	227		4.6	
BFO	e P	Z 12:54:24.6	88.7	50.9	1.6	16	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/01	19:44:19.4	5.290N	94.540E	53.4	5.1			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 19:56:22.9	80.0	94.0	1.1	15	4.8		
GEC2	e P	Z 19:56:23.2	80.0	93.4	1.1	34	5.2		
WET	e P	Z 19:56:26.1	80.5	92.8	1.2	19	5.0		
CLL	e P	Z 19:56:25.8	80.6	93.3	1.2	11	4.8		
TANN	e P	Z 19:56:27.9	80.9	92.7	1.2	10	4.7		
ROTZ	e P	Z 19:56:28.7	81.0	92.4	1.1	18	5.0		
MANZ	e P	Z 19:56:29.3	81.1	92.4	1.1	23	5.1		
MOX	e P	Z 19:56:30.6	81.4	92.1	1.4	13	4.8		
FUR	e P	Z 19:56:31.2	81.6	91.5	1.1	24	5.2		
GRA1	e P	Z 19:56:32.2	81.6	91.7	1.2	26	5.2		
	e pP	Z 19:56:47.4							
CLZ	e P	Z 19:56:35.0	82.2	91.3	1.2	20	5.1		
BSEG	e P	Z 19:56:35.4	82.3	91.5	1.1	20	5.2		
BFO	e P	Z 19:56:41.4	83.5	89.3	0.9	8	5.0		

IBBN	e P	Z	19:56:43.5	83.8	89.3	1.2	22	5.3
BUG	e P	Z	19:56:45.1	84.2	88.8	1.5	36	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/02	12:00:57.3	53.239N	160.685E	33.0G	4.9	4.3		SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	12:12:06.3	70.0	18.3	0.5	9	5.2		
CLL	e P	Z	12:12:17.3	72.0	19.7	0.9	10	4.9		
CLZ	e P	Z	12:12:18.4	72.0	18.2					
IBBN	e P	Z	12:12:18.2	72.1	16.6	0.8	17	5.2		
BRG	e P	Z	12:12:18.5	72.2	20.2					
FBE	e P	Z	12:12:18.8	72.3	19.8	0.6	6	4.9		
MOX	e P	Z	12:12:22.6	72.9	18.8	1.1	11	4.9		
TANN	e P	Z	12:12:23.0	72.9	19.2	0.9	4	4.5		
WERD	e P	Z	12:12:23.3	73.0	19.2	0.9	6	4.7		
GUNZ	e P	Z	12:12:24.0	73.0	19.2	0.8	7	4.8		
UBBA	e P	Z	12:12:24.0	73.1	17.8					
WERN	e P	Z	12:12:24.2	73.1	19.2	0.7	10	5.0		
MANZ	e P	Z	12:12:26.4	73.4	19.0	0.5	3	4.7		
ROTZ	e P	Z	12:12:27.8	73.6	19.0	0.7	5	4.8		
GRA1	e P	Z	12:12:29.4	73.9	18.5	0.6	13	5.3		
	e L	Z	12:40:25.3			21.2	171		4.3	
WET	e P	Z	12:12:29.8	74.1	19.4	0.8	6	4.8		
GEC2	e P	Z	12:12:30.4	74.2	19.8	1.0	6	4.7		
BFO	e P	Z	12:12:40.2	75.8	16.6	1.2	8	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/02	12:49:15.8	46.607N	14.493E	10.0G			4.1	SZGRF

Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
KBA	e Sg	N	12:49:44.6	0.9	120.6					3.4
ARSA	e Pg	Z	12:49:32.9	1.0	227.9					3.5
	e Sg	N	12:49:46.2							
MOA	e Pg	Z	12:49:39.7	1.3	172.8					3.4
GEC2	e Pn	Z	12:49:53.5	2.3	166.3					3.9
FUR	e Pg	Z	12:50:04.7	2.7	124.3					4.6
	e Sg	N	12:50:40.4							
WET	e Pn	Z	12:50:00.0	2.8	156.3					3.8
	e Sg	N	12:50:43.7							
DAVA	e Pn	Z	12:50:06.8	3.2	100.5					4.0
	e Sg	E	12:50:59.2							
ROTZ	e Pn	Z	12:50:09.6	3.5	153.4					4.2

	e Sg	N	12:51:07.2								
MANZ	e Pn	Z	12:50:12.8	3.7	153.9						4.2
	e Sg	E	12:51:14.8								
GRA1	e Pn	Z	12:50:14.4	3.8	143.5						4.5
	e Sg	E	12:51:15.0								
WERN	e Pn	Z	12:50:15.7	3.9	158.3						4.4
	e Sg	Z	12:51:20.9								
GUNZ	e Pn	Z	12:50:17.3	4.0	158.3						4.4
TANN	e Pn	Z	12:50:17.4	4.0	159.8						
	e Sg	E	12:51:24.6								
WERD	e Pn	Z	12:50:18.2	4.1	158.5						4.2
	e Sg	N	12:51:27.1								
BRG	e Pn	Z	12:50:20.1	4.3	174.9						4.1
	e Sg	E	12:51:31.2								
FBE	e Pn	Z	12:50:23.9	4.4	169.7						4.1
MOX	e Pn	Z	12:50:23.5	4.5	153.7						4.3
BFO	e Pn	Z	12:50:23.4	4.5	110.2						4.0
CLL	e Pn	Z	12:50:27.8	4.8	167.7						4.5

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

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML  
GRA1 e PKP Z 06:50:28.1

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/03 13:56:26.2 34.410S 177.710W 33.0G 5.5 SZGRF  
South of Kermadec Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	14:16:27.1	159.7	19.4					
	e PKPab	Z	14:17:03.7							
CLL	e PKPdf	Z	14:16:28.2	161.4	28.8					
	e PKPab	Z	14:17:10.7							
BRG	e PKPdf	Z	14:16:28.6	161.5	31.7					
	e PKPab	Z	14:17:11.2							
CLZ	e PKPdf	Z	14:16:29.6	161.6	21.6					
	e PKPab	Z	14:17:12.3							
FBE	e PKPdf	Z	14:16:29.9	161.6	30.2					
	e PKPab	Z	14:17:12.2							
IBBN	e PKPdf	Z	14:16:29.9	161.7	14.5					
	e PKPab	Z	14:17:13.1							
TANN	e PKPdf	Z	14:16:28.8	162.4	28.7					
	e PKPab	Z	14:17:15.4							
WERD	e PKPdf	Z	14:16:29.1	162.4	28.3					

	e PKPab	Z	14:17:15.5									
MOX	e PKPdf	Z	14:16:29.6	162.4	26.2							
	e PKPab	Z	14:17:15.6									
GUNZ	e PKPdf	Z	14:16:30.5	162.4	28.5							
WERN	e PKPdf	Z	14:16:30.7	162.5	28.7							
	e PKPab	Z	14:17:16.1									
BUG	e PKPdf	Z	14:16:30.8	162.6	13.8							
	e PKPab	Z	14:17:16.5									
UBBA	e PKPdf	Z	14:16:30.4	162.7	21.8							
	e PKPab	Z	14:17:16.6									
MANZ	e PKPdf	Z	14:16:30.2	162.8	28.5							
	e PKPab	Z	14:17:17.6									
ROTZ	e PKPdf	Z	14:16:30.1	163.0	29.1							
	e PKPab	Z	14:17:18.5									
GEC2	e PKPdf	Z	14:16:30.5	163.3	34.6							
	e PKPab	Z	14:17:18.7									
GRA3	e PP	Z	14:21:01.0	163.3	26.7							
WET	e PKPdf	Z	14:16:30.7	163.3	31.9							
	e PKPab	Z	14:17:19.4									
GRA1	e PKPdf	Z	14:16:30.9	163.4	26.6							
	e PKPab	Z	14:17:20.2									
	e PP	Z	14:21:10.1									
	e L	Z	15:48:23.8			18.1	634			5.5		
WLF	e PKPab	Z	14:17:25.4	164.5	12.0							
FUR	e PKPdf	Z	14:16:32.4	164.7	29.2							
	e PKPab	Z	14:17:26.3									
BFO	e PKPdf	Z	14:16:32.6	165.4	20.1							
	e PKPab	Z	14:17:28.7									

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/03 17:25:1.5 27.870S 177.340W 33.0G SZGRF  
 Kermadec Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	17:44:57.3	153.3	15.2					
IBBN	e PKPdf	Z	17:44:52.8	155.3	10.8					
	e PKPbc	Z	17:45:01.5							
	e PKPab	Z	17:45:16.8							
CLL	e PKPdf	Z	17:44:52.5	155.3	22.3					
	e PKPbc	Z	17:45:01.6							
	e PKPab	Z	17:45:16.6							
	e pPKPbc	Z	17:45:55.7							
	e pPKPab	Z	17:46:12.4							
	e PP	Z	17:48:47.4							
	e sPP	Z	17:50:00.0							
	e SKKSdf	N	18:00:21.3							
	e PPS	E	18:02:03.6							

CLZ	e PKPdf	Z	17:44:53.1	155.3	16.5
	e PKPbc	Z	17:45:01.8		
	e PKPab	Z	17:45:16.8		
BRG	e PKPdf	Z	17:44:53.1	155.5	24.6
	e PKPbc	Z	17:45:02.0		
	e PKPab	Z	17:45:17.4		
FBE	e PKPdf	Z	17:44:53.4	155.6	23.4
	e PKPbc	Z	17:45:02.2		
	e PKPab	Z	17:45:17.9		
BUG	e PKPab	Z	17:45:20.5	156.2	10.1
MOX	e PKPdf	Z	17:44:54.0	156.2	20.0
	e PKPbc	Z	17:45:03.6		
TANN	e PKPdf	Z	17:44:54.2	156.3	21.9
	e PKPbc	Z	17:45:03.9		
	e PKPab	Z	17:45:20.8		
WERD	e PKPdf	Z	17:44:54.1	156.3	21.6
	e PKPbc	Z	17:45:03.8		
	e PKPab	Z	17:45:20.9		
GUNZ	e PKPdf	Z	17:44:54.4	156.3	21.7
	e PKPbc	Z	17:45:04.0		
	e PKPab	Z	17:45:21.2		
UBBA	e PKPdf	Z	17:44:54.0	156.4	16.4
	e PKPab	Z	17:45:21.1		
WERN	e PKPdf	Z	17:44:54.2	156.4	21.9
	e PKPbc	Z	17:45:04.2		
	e PKPab	Z	17:45:21.7		
MANZ	e PKPdf	Z	17:44:54.6	156.7	21.6
	e PKPbc	Z	17:45:04.9		
	e PKPab	Z	17:45:22.8		
ROTZ	e PKPdf	Z	17:44:54.8	156.9	22.0
	e PKPab	Z	17:45:23.8		
GRA1	e PKPdf	Z	17:44:55.4	157.2	19.9
	e PKPab	Z	17:45:25.4		
WET	e PKPdf	Z	17:44:55.5	157.3	24.0
	e PKPab	Z	17:45:26.0		
GEC2	e PKPdf	Z	17:44:55.3	157.4	26.1
	e PKPbc	Z	17:45:05.9		
	e PKPab	Z	17:45:25.7		
WLF	e PKPab	Z	17:45:29.0	158.0	8.3
STU	e PKPdf	Z	17:44:57.0	158.5	15.9
	e PKPab	Z	17:45:30.4		
FUR	e PKPdf	Z	17:44:57.0	158.6	21.3
BFO	e PKPdf	Z	17:44:56.9	159.1	14.2
	e PKPab	Z	17:45:32.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/03	22:01:45.9	52.170N	37.120W	33.0N	4.5	3.5		SZGRF

North Atlantic Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 22:07:41.5	28.7	289.7	1.3	21	4.8		
BFO	e P	Z 22:07:42.1	28.8	295.0	0.9	6	4.5		
GRA1	e L	Z 22:17:26.1	30.0	293.6	18.7	95		3.5	
MANZ	e P	Z 22:07:56.4	30.4	293.4	0.9	4	4.3		
CLL	e P	Z 22:07:56.2	30.4	291.7	0.9	8	4.7		
TANN	e P	Z 22:07:56.7	30.4	292.9	0.9	9	4.7		
ROTZ	e P	Z 22:07:57.6	30.6	293.8					
BRG	e P	Z 22:08:02.6	31.1	292.7	1.1	5	4.4		
GEC2	e P	Z 22:08:09.2	31.8	295.6	0.8	4	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/04	10:21:29.2	17.450N	96.141W	35.1	5.4			SZGRF

Oaxaca, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:34:13.7	87.4	294.3	2.3	43	5.4		
	e pP	Z 10:34:23.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/04	12:06:47.1	2.335S	14.398W	33.0N	5.7	5.9		SZGRF

North of Ascension Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 12:16:11.2	54.4	208.3	1.3	130	5.7		
WLF	e P	Z 12:16:17.0	54.9	205.4	1.7	190	5.7		
STU	e P	Z 12:16:17.2	55.1	209.2	1.0	61	5.5		
FUR	e P	Z 12:16:18.6	55.2	211.8	1.0	193	6.0		
GRA1	e P	Z 12:16:26.4	56.5	211.2	1.5	166	5.7		
	e PP	Z 12:18:32.7							
	e S	R 12:24:17.8							
	e L	Z 12:41:03.6			19.3	9489		5.9	
WET	e P	Z 12:16:27.8	56.6	213.3	1.4	181	5.8		
GEC2	e P	Z 12:16:28.4	56.7	214.3	1.3	103	5.6		
BUG	e P	Z 12:16:31.0	56.8	206.1	2.7	327	5.8		
ROTZ	e P	Z 12:16:29.6	56.9	212.3	2.1	241	5.8		
MANZ	e P	Z 12:16:30.7	57.1	212.1	1.6	186	5.8		
UBBA	e P	Z 12:16:31.1	57.1	209.4	2.2	232	5.7		
WERN	e P	Z 12:16:33.3	57.4	212.3	1.3	88	5.5		
MOX	e P	Z 12:16:33.5	57.5	211.3	1.7	167	5.7		
GUNZ	e P	Z 12:16:33.6	57.5	212.2	1.7	144	5.6		
WERD	e P	Z 12:16:33.9	57.5	212.2	1.5	100	5.5		
TANN	e P	Z 12:16:34.2	57.5	212.3	1.6	150	5.7		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

8

CLZ	e P	Z	12:16:38.1	58.1	209.5	2.2	192	5.7
FBE	e P	Z	12:16:40.3	58.3	213.2	2.0	213	5.8
BRG	e P	Z	12:16:40.6	58.4	213.8	1.6	96	5.6
CLL	e P	Z	12:16:43.8	58.5	212.6	1.4	68	5.5
	e PP	Z	12:18:51.8					
	e PPP	Z	12:20:07.4					
	e S	N	12:24:42.9					
	e SS	N	12:28:41.4					
	e SSS	N	12:31:02.7					
	e LR	Z	12:34:10.2					
NRDL	e P	Z	12:16:43.6	58.6	209.1	2.2	194	5.7
RUE	e P	Z	12:16:54.0	59.7	213.1			
BSEG	e P	Z	12:16:51.7	59.9	208.9	0.9	54	5.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/04	15:30:31.2	31.870N	25.110E	33.0N	3.9			SZGRF

Egypt

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 15:34:50.8	19.0	149.0	0.9	4	3.6		
WET	e P	Z 15:34:56.3	19.6	147.5	0.8	4	3.7		
ROTZ	e P	Z 15:35:05.1	20.3	146.9	1.5	10	3.8		
MANZ	e P	Z 15:35:06.9	20.5	147.0	0.7	3	3.7		
GRA1	e P	Z 15:35:08.8	20.6	144.6	0.8	11	4.2		
BRG	e P	Z 15:35:09.2	20.7	152.3	1.1	8	4.0		
WERD	e P	Z 15:35:10.7	20.9	148.1	1.0	6	3.8		
FBE	e P	Z 15:35:12.0	20.9	151.0	1.1	15	4.3		
MOX	e P	Z 15:35:14.8	21.3	146.9	0.9	4	3.8		
CLL	e P	Z 15:35:16.2	21.4	150.7	0.9	14	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/04	19:29:20.9	2.311S	98.260E	30.0	5.0			SZGRF

Southwest of Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:42:17.2	89.8	93.8	1.9	18	5.0		
	e pP	Z 19:42:27.5			1.2	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/04	22:25:56.0	5.860N	95.960E	33.0N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
-----	-------	------	------	-----	------	-------	----	----	----



./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

9

BRG	e P	Z	22:38:05.1	80.4	92.5	0.9	4	4.3
GEC2	e P	Z	22:38:05.1	80.5	92.0	0.9	5	4.5
RGN	e P	Z	22:38:08.1	81.0	92.6	1.3	21	5.0
WET	e P	Z	22:38:08.3	81.0	91.4	1.3	6	4.5
GUNZ	e P	Z	22:38:10.4	81.4	91.2	0.9	4	4.4
ROTZ	e P	Z	22:38:10.9	81.5	91.0	0.9	2	4.3
MANZ	e P	Z	22:38:11.2	81.6	90.9	0.8	3	4.5
GRA1	e P	Z	22:38:14.3	82.1	90.2	1.0	9	4.9
CLZ	e P	Z	22:38:16.4	82.7	89.8	1.1	7	4.8
BSEG	e P	Z	22:38:16.7	82.7	90.1	0.9	8	5.0
NRDL	e P	Z	22:38:18.2	82.8	89.7	1.6	16	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	02:23:39.1	24.840S	176.770W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	02:43:31.9	152.5	19.5					
BRG	e PKPbc	Z	02:43:32.5	152.7	21.6					
FBE	e PKPbc	Z	02:43:33.3	152.8	20.4					
MOX	e PKPbc	Z	02:43:34.2	153.4	17.2					
TANN	e PKPbc	Z	02:43:34.5	153.4	19.0					
WERD	e PKPbc	Z	02:43:34.4	153.4	18.7					
GUNZ	e PKPbc	Z	02:43:35.0	153.5	18.8					
WERN	e PKPbc	Z	02:43:34.8	153.6	18.9					
MANZ	e PKPbc	Z	02:43:35.9	153.9	18.6					
ROTZ	e PKPbc	Z	02:43:36.2	154.1	18.9					
GRA1	e PKPbc	Z	02:43:35.8	154.4	17.0					
GEC2	e PKPbc	Z	02:43:36.8	154.6	22.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	07:51:39.7	26.750N	142.500E	33.0N	5.0			SZGRF
Bonin Islands, Japan, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	08:04:31.7	89.4	41.4	1.1	12	5.1		
BRG	e P	Z	08:04:35.0	90.1	44.3	0.8	5	4.8		
CLL	e P	Z	08:04:35.2	90.2	43.6	0.8	8	5.0		
FBE	e P	Z	08:04:36.2	90.3	43.8	0.9	12	5.2		
NRDL	e P	Z	08:04:36.6	90.5	41.3	1.1	6	4.9		
CLZ	e P	Z	08:04:39.2	90.9	41.5	0.9	8	5.1		
TANN	e P	Z	08:04:39.6	91.1	43.1	1.1	3	4.6		
WERD	e P	Z	08:04:39.4	91.1	43.0					
GUNZ	e P	Z	08:04:40.3	91.2	43.0	0.9	7	5.0		
WERN	e P	Z	08:04:40.5	91.2	43.1	0.8	7	5.0		

MOX	e P	Z	08:04:40.7	91.3	42.5	1.0	4	4.7
MANZ	e P	Z	08:04:41.9	91.6	42.9	0.9	4	4.7
GEC2	e P	Z	08:04:42.3	91.7	44.1	0.9	7	5.0
ROTZ	e P	Z	08:04:42.7	91.7	43.0	1.1	10	5.1
WET	e P	Z	08:04:43.2	91.8	43.5	1.1	5	4.7
GRA1	e P	Z	08:04:44.8	92.2	42.2	1.2	15	5.2
BUG	e P	Z	08:04:46.4	92.5	39.0	0.8	8	5.2
STU	e P	Z	08:04:52.2	93.7	40.6	0.6	10	5.3
BFO	e P	Z	08:04:54.4	94.4	40.0	0.9	7	5.1

Date 2007/05/05  
 Origin Time 08:51:42.4  
 Xizang

Lat 34.390N  
 Long 81.500E  
 Depth 15.7  
 mb 5.9  
 Ms 6.4  
 ML  
 Source SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	09:00:39.2	50.3	82.8	1.1	174	5.9		
RGN	e P	Z	09:00:40.1	50.4	84.2	1.8	783	6.3		
	e pP	Z	09:00:44.2							
	e PcP	Z	09:01:57.3							
	e PP	Z	09:02:39.6							
BRG	e P	Z	09:00:40.6	50.4	81.6	1.2	185	5.9		
FBE	e P	Z	09:00:43.4	50.8	81.3	1.2	211	5.9		
	e PcP	Z	09:02:02.2							
	e PP	Z	09:02:45.1							
GEC2	e P	Z	09:00:44.5	50.9	79.8	1.2	188	5.9		
	e PcP	Z	09:02:02.4							
	e PP	Z	09:02:45.7							
CLL	e P	Z	09:00:44.0	51.0	81.3	1.4	129	5.7		
WET	e P	Z	09:00:48.0	51.4	79.5	1.4	160	5.8		
	e pP	Z	09:00:52.4							
TANN	e P	Z	09:00:48.1	51.4	80.3	1.3	101	5.6		
WERN	e P	Z	09:00:48.9	51.5	80.1	1.4	103	5.6		
	e PcP	Z	09:02:05.1							
GUNZ	e P	Z	09:00:48.9	51.5	80.1	1.2	134	5.7		
WERD	e P	Z	09:00:48.7	51.5	80.2	1.2	97	5.6		
	e PcP	Z	09:02:05.0							
ROTZ	e P	Z	09:00:50.7	51.7	79.6	1.3	193	5.9		
MANZ	e P	Z	09:00:50.7	51.7	79.7	1.3	103	5.6		
MOX	e P	Z	09:00:51.7	51.9	79.8	1.2	96	5.6		
	e pP	Z	09:00:56.0							
	e PcP	Z	09:02:06.2							
BSEG	e P	Z	09:00:53.7	52.2	81.5	1.1	202	6.0		
GRA1	e P	Z	09:00:55.6	52.3	78.9	1.2	234	6.0		
	e PP	Z	09:02:58.2							
	e S	T	09:08:28.4							
	e L	Z	09:25:34.7			18.3	29996		6.4	
CLZ	e P	Z	09:00:55.9	52.5	79.9	1.2	222	6.0		

	e PcP	Z	09:02:08.4						
	e PP	Z	09:02:59.8						
NRDL	e P	Z	09:00:56.4	52.5	80.2	1.2	282	6.1	
	e PP	Z	09:03:01.5						
FUR	e P	Z	09:00:57.2	52.6	77.7	1.0	483	6.4	
	e pP	Z	09:01:01.6						
UBBA	e P	Z	09:00:58.7	52.9	78.9	1.6	118	5.6	
	e PcP	Z	09:02:09.6						
STU	e P	Z	09:01:05.8	53.8	76.9	1.3	266	6.1	
	e PcP	Z	09:02:13.7						
	e PP	Z	09:03:11.8						
IBBN	e P	Z	09:01:06.6	54.0	78.4	1.3	175	5.9	
BUG	e P	Z	09:01:10.2	54.4	77.5	1.3	167	5.9	
	e pP	Z	09:01:14.4						
	e PcP	Z	09:02:15.7						
BFO	e P	Z	09:01:10.0	54.5	76.0	1.2	64	5.5	
	e PP	Z	09:03:17.0						
WLF	e P	Z	09:01:18.5	55.6	75.5	1.1	141	5.9	
	e pP	Z	09:01:22.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	09:10:52.3	31.999N	84.747E	33.0N	4.7			SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:20:27.7	56.0	78.9	1.4	10	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	09:25:32.9	43.721N	140.185E	33.0N	4.8			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 09:37:02.2	73.4	35.4	0.9	9	4.8		
BRG	e P	Z 09:37:08.4	74.5	37.2	0.7	3	4.5		
CLL	e P	Z 09:37:08.4	74.5	36.7	0.6	14	5.2		
NRDL	e P	Z 09:37:09.0	74.6	35.0	1.5	14	4.8		
FBE	e P	Z 09:37:09.6	74.7	36.8	0.6	8	4.9		
CLZ	e P	Z 09:37:11.6	75.1	35.1	0.8	12	5.0		
GUNZ	e P	Z 09:37:14.9	75.6	36.1	0.9	5	4.7		
MOX	e P	Z 09:37:14.4	75.6	35.7	0.6	4	4.7		
WERN	e P	Z 09:37:14.9	75.6	36.1	0.6	6	4.9		
MANZ	e P	Z 09:37:16.7	76.0	35.9	1.1	4	4.5		
ROTZ	e P	Z 09:37:18.3	76.1	35.9	1.0	6	4.7		
GEC2	e P	Z 09:37:18.2	76.3	36.7	0.5	2	4.5		
WET	e P	Z 09:37:18.5	76.3	36.3	1.1	6	4.7		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

12

GRA1	e P	Z	09:37:20.2	76.5	35.3	1.2	19	5.1
BFO	e P	Z	09:37:32.1	78.7	33.3	1.1	5	4.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	16:33:33.4	46.453N	10.375E	10.0G			2.3	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
DAVA	e Pn	Z 16:33:49.9	0.9	157.7					2.1
	e Sn	N 16:34:05.4							
KBA	e Pn	Z 16:34:08.2	2.1	254.0					1.9
WET	e Pn	Z 16:34:21.9	3.2	212.9					2.4
	e Sn	N 16:34:58.4							
GEC2	e Pn	Z 16:34:23.6	3.3	224.4					2.5
	e Sn	N 16:35:01.7							
ROTZ	e Sn	E 16:35:06.0	3.5	200.9					2.4
MANZ	e Sn	N 16:35:09.0	3.7	198.7					2.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	17:39: 1.7	34.640N	81.745E	33.0N	4.4	4.1		SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 17:47:55.7	50.4	81.2	1.3	4	4.2		
GEC2	e P	Z 17:48:00.7	50.9	79.4	1.4	5	4.3		
CLL	e P	Z 17:48:01.4	50.9	80.9	1.1	5	4.4		
GUNZ	e P	Z 17:48:04.6	51.5	79.7	0.9	5	4.4		
ROTZ	e P	Z 17:48:06.0	51.7	79.2	1.5	8	4.5		
GRA1	e P	Z 17:48:10.7	52.3	78.5	1.4	7	4.4		
	e L	Z 18:14:31.9			19.7	155		4.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	19:06:39.8	7.400S	128.400E	119.0				NEIC

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z 19:24:59.1	110.7	74.5					
BRG	e PKPdf	Z 19:24:59.2	111.0	75.3					
	e SKPdf	Z 19:28:23.1							
FBE	e PKPdf	Z 19:24:59.8	111.4	74.8					
CLL	e PKPdf	Z 19:24:59.8	111.5	74.3					
	e PKKPab	Z 19:36:06.4							
GEC2	e PKPdf	Z 19:25:00.2	111.7	75.8					

	e	SKPdf	Z	19:28:22.8				
	e	PKKPab	Z	19:36:04.4				
TANN	e	PKKPab	Z	19:36:03.9	112.1	74.2		
WET	e	PKPdf	Z	19:25:01.2	112.1	75.1		
	e	SKPdf	Z	19:28:23.8				
	e	PKKPab	Z	19:36:03.2				
WERD	e	PKPdf	Z	19:25:01.4	112.2	74.1		
WERN	e	PKPdf	Z	19:25:01.3	112.2	74.2		
	e	SKPdf	Z	19:28:25.1				
GUNZ	e	PKPdf	Z	19:25:01.5	112.2	74.1		
BSEG	e	PKPdf	Z	19:25:01.8	112.3	71.0		
	e	SKPdf	Z	19:28:25.2				
	e	PKKPab	Z	19:36:02.5				
ROTZ	e	PKPdf	Z	19:25:02.0	112.4	74.2		
MANZ	e	PKPdf	Z	19:25:01.8	112.4	74.1		
	e	PKKPab	Z	19:36:01.5				
MOX	e	PKPdf	Z	19:25:01.7	112.5	73.4		
NRDL	e	PKPdf	Z	19:25:03.0	112.9	71.4		
	e	SKPdf	Z	19:28:25.7				
	e	PKKPab	Z	19:36:00.4				
CLZ	e	PKPdf	Z	19:25:03.0	112.9	71.9		
	e	SKPdf	Z	19:28:25.3				
	e	PKKPab	Z	19:36:00.1				
GRA1	e	PKPdf	Z	19:25:03.0	113.0	73.5		
	e	SKPdf	Z	19:28:25.0				
UBBA	e	PKKPab	Z	19:35:57.6	113.4	72.0		
IBBN	e	SKPdf	Z	19:28:29.3	114.3	69.4		
	e	PKKPab	Z	19:35:54.0				
STU	e	PKPdf	Z	19:25:06.1	114.6	72.1		
BUG	e	PKPdf	Z	19:25:06.3	114.9	69.3		
	e	PKKPab	Z	19:35:51.4				
BFO	e	PKPdf	Z	19:25:06.6	115.2	71.6		
WLF	e	PKPdf	Z	19:25:09.6	116.1	69.1		
	e	SKPdf	Z	19:28:31.9				
	e	PKKPab	Z	19:35:44.8				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	20:55:0.3	51.501N	178.137W	33.0N	4.6			SZGRF
Andreanof Islands, Aleutian Islands, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:06:58.5	78.5	5.9	1.7	11	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/05	21:11:46.8	38.896N	41.723E	33.0G	4.4	3.2		SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	21:16:41.3	22.3	105.9	0.9	4	3.8		
WET	e P	Z	21:16:46.7	22.9	105.6	1.9	16	4.2		
FBE	e P	Z	21:16:49.9	23.2	110.2	1.6	26	4.5		
ROTZ	e P	Z	21:16:53.3	23.5	106.2	1.4	23	4.5		
RUE	e P	Z	21:16:53.3	23.5	114.1	1.7	71	4.9		
CLL	e P	Z	21:16:53.1	23.5	110.5	1.8	32	4.6		
TANN	e P	Z	21:16:53.9	23.6	107.9	1.5	13	4.3		
WERN	e P	Z	21:16:54.9	23.6	107.6	1.0	14	4.4		
GUNZ	e P	Z	21:16:54.7	23.6	107.7	1.5	18	4.4		
MANZ	e P	Z	21:16:55.3	23.7	106.6	1.6	16	4.3		
WERD	e P	Z	21:16:55.2	23.7	107.8	1.2	5	3.9		
GRA1	e P	Z	21:16:59.1	24.1	104.9	1.0	61	5.1		
	e L	Z	21:37:36.7			21.8	84		3.2	
MOX	e P	Z	21:16:58.4	24.2	107.4	1.3	10	4.2		
CLZ	e P	Z	21:17:09.3	25.3	108.4	0.9	10	4.5		
NRDL	e P	Z	21:17:13.0	25.6	109.4	1.3	8	4.2		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/06 01:09:33.4 34.680N 141.430E 60.7 4.8  
 Off east coast of Honshu, Japan SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	01:21:47.0	81.9	38.7	0.9	6	4.7		
CLL	e P	Z	01:21:51.6	82.8	40.5	0.6	7	5.0		
FBE	e P	Z	01:21:52.8	83.0	40.7	0.8	9	5.0		
	e pP	Z	01:22:09.8							
CLZ	e pP	Z	01:22:12.3	83.5	38.6					
GUNZ	e P	Z	01:21:56.9	83.8	39.9	1.0	4	4.6		
MOX	e P	Z	01:21:57.3	83.9	39.4	0.8	2	4.5		
ROTZ	e P	Z	01:22:00.2	84.3	39.8	1.5	10	4.8		
	e pP	Z	01:22:16.8							
GEC2	e P	Z	01:21:59.2	84.4	40.8	0.9	3	4.5		
GRA1	e P	Z	01:22:02.4	84.8	39.1	0.8	9	5.1		
	e pP	Z	01:22:19.5							
BUG	e P	Z	01:22:02.2	85.0	36.3					
STU	e P	Z	01:22:09.9	86.4	37.6	0.9	7	4.8		
BFO	e P	Z	01:22:12.8	87.1	37.0	1.0	9	4.8		
	e pP	Z	01:22:30.1							

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/06 01:27: 8.3 34.740N 82.190E 18.6 4.9  
 Xizang SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	01:36:05.9	50.5	82.0	1.9	56	5.2		
	e PP	Z	01:37:59.4							
BRG	e P	Z	01:36:07.4	50.6	80.8	0.9	15	4.9		
	e PP	Z	01:38:00.5							
FBE	e P	Z	01:36:10.2	51.0	80.5	1.1	18	4.9		
	e PP	Z	01:38:03.5							
GEC2	e P	Z	01:36:11.2	51.1	79.0	1.0	17	4.9		
	e PP	Z	01:38:04.4							
CLL	e P	Z	01:36:10.9	51.1	80.5	1.2	11	4.7		
	e PP	Z	01:38:04.2							
WET	e P	Z	01:36:14.8	51.6	78.7	1.3	16	4.8		
	e PP	Z	01:38:07.6							
TANN	e P	Z	01:36:15.2	51.6	79.4	1.3	14	4.7		
	e PP	Z	01:38:07.9							
WERN	e P	Z	01:36:16.2	51.7	79.3	1.2	10	4.6		
GUNZ	e P	Z	01:36:15.8	51.7	79.3	1.2	15	4.8		
	e PP	Z	01:38:08.9							
WERD	e P	Z	01:36:15.8	51.7	79.4	1.3	15	4.8		
	e PP	Z	01:38:08.9							
ROTZ	e P	Z	01:36:17.2	51.9	78.8	1.2	18	4.9		
	e PP	Z	01:38:09.8							
MANZ	e P	Z	01:36:17.0	51.9	78.9	1.2	10	4.6		
	e PP	Z	01:38:10.5							
MOX	e P	Z	01:36:18.3	52.1	79.0	1.2	12	4.7		
	e PP	Z	01:38:11.8							
BSEG	e P	Z	01:36:20.6	52.3	80.6	1.0	23	5.1		
	e PP	Z	01:38:13.7							
GRA1	e P	Z	01:36:22.3	52.6	78.1	1.2	28	5.1		
	e pP	Z	01:36:26.9							
	e PP	Z	01:38:15.6							
	e pPP	Z	01:38:20.9							
CLZ	e P	Z	01:36:22.6	52.7	79.1	1.2	26	5.0		
	e PP	Z	01:38:16.2							
NRDL	e P	Z	01:36:23.3	52.7	79.4	1.1	28	5.1		
	e PP	Z	01:38:16.4							
UBBA	e P	Z	01:36:25.4	53.1	78.1	0.9	5	4.4		
STU	e P	Z	01:36:32.7	54.1	76.1	1.0	22	5.2		
	e PP	Z	01:38:25.8							
IBBN	e P	Z	01:36:33.2	54.1	77.6	0.4	14	5.3		
BUG	e P	Z	01:36:37.4	54.6	76.7	1.3	16	4.9		
WLF	e P	Z	01:36:45.3	55.8	74.7	0.8	15	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	01:56:18.2	33.901N	83.942E	12.4	4.3			SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:05:43.8	54.2	77.7	0.9	3	4.3		
	e pP	Z 02:05:47.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	03:45:29.4	24.264N	124.306E	33.2	4.7			SZGRF
Southwestern Ryukyu Islands, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:58:03.3	85.3	57.3	1.6	8	4.7		
	e pP	Z 03:58:12.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	03:53:51.0	23.513N	62.373E	30.8	4.9			SZGRF
Off coast of Pakistan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:02:23.1	47.4	104.2	1.1	10	4.9		
	e pP	Z 04:02:31.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	04:01: 9.1	24.920N	61.490E	31.3	4.8			SZGRF
Off coast of Pakistan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 04:09:15.6	44.1	105.1	0.9	13	4.7		
	e pP	Z 04:09:24.3							
BRG	e P	Z 04:09:18.8	44.5	107.3	0.7	4	4.5		
WET	e P	Z 04:09:19.7	44.7	104.7	0.8	3	4.3		
RUE	e P	Z 04:09:23.1	45.1	108.7	0.8	10	4.8		
CLL	e P	Z 04:09:24.6	45.2	106.9	1.2	30	5.1		
ROTZ	e P	Z 04:09:24.8	45.3	104.6	0.9	8	4.7		
TANN	e P	Z 04:09:24.6	45.3	105.5	1.3	5	4.3		
MOX	e P	Z 04:09:29.5	45.9	104.9	1.0	8	4.7		
GRA1	e P	Z 04:09:29.9	45.9	103.7	0.9	15	5.0		
	e pP	Z 04:09:38.4							
CLZ	e P	Z 04:09:38.2	46.9	104.9	0.8	14	5.2		
STU	e P	Z 04:09:37.5	47.0	101.0	1.0	9	4.9		
NRDL	e P	Z 04:09:40.5	47.2	105.2	1.1	15	5.0		
	e pP	Z 04:09:49.1							
BSEG	e P	Z 04:09:42.0	47.5	106.7	0.9	9	4.9		
IBBN	e P	Z 04:09:50.7	48.6	102.9	1.3	24	5.1		



BUG	e P	Z	04:09:51.9	48.7	101.7	0.8	16	5.1
	e pP	Z	04:10:00.6					
WLF	e P	Z	04:09:54.7	49.1	99.2	0.8	10	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	04:47:26.7	7.880N	70.710W	164.3	5.1			SZGRF
Venezuela								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	04:58:53.1	75.5	265.1	0.9	34	5.5		
	e		04:58:59.6							
BUG	e P	Z	04:58:57.5	76.4	265.5	0.8	30	5.5		
	e		04:59:04.5							
IBBN	e P	Z	04:59:00.1	76.7	265.7	0.7	32	5.6		
	e		04:59:06.5							
BFO	e P	Z	04:59:01.1	76.8	267.1	1.0	14	5.1		
	e		04:59:06.8							
STU	e P	Z	04:59:04.4	77.4	267.6	0.8	28	5.4		
	e		04:59:10.3							
	e pP	Z	04:59:44.9							
UBBA	e P	Z	04:59:07.3	78.0	267.8					
NRDL	e P	Z	04:59:08.0	78.2	267.5	0.9	15	5.1		
	e		04:59:14.0							
	e pP	Z	04:59:47.8							
CLZ	e P	Z	04:59:09.0	78.3	267.9	0.7	22	5.4		
	e		04:59:14.8							
BSEG	e P	Z	04:59:09.3	78.4	267.4	0.9	31	5.4		
	e		04:59:15.0							
GRFO	e		04:59:17.2	78.8	269.0					
GRA1	e P	Z	04:59:11.8	78.8	269.0	1.1	18	5.0		
	e		04:59:17.7							
MOX	e P	Z	04:59:13.0	79.1	269.1	0.8	7	4.7		
MANZ	e P	Z	04:59:14.3	79.4	269.6	0.8	16	5.1		
	e		04:59:20.9							
	e pP	Z	04:59:55.3							
ROTZ	e P	Z	04:59:14.6	79.4	269.7	0.9	7	4.7		
	e		04:59:20.7							
WERD	e P	Z	04:59:15.5	79.5	269.7	0.9	13	4.9		
	e		04:59:21.3							
	e pP	Z	04:59:55.7							
GUNZ	e P	Z	04:59:15.6	79.5	269.7	1.2	13	4.7		
	e		04:59:21.4							
WERN	e		04:59:21.7	79.5	269.8					
TANN	e P	Z	04:59:16.1	79.6	269.8	1.0	19	5.0		
	e		04:59:22.0							
WET	e P	Z	04:59:17.6	79.9	270.4	1.2	21	4.9		
	e		04:59:23.5							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

18

CLL	e P	Z	04:59:17.7	79.9	270.1	1.1	13	4.8
	e		04:59:23.5					
	e pP	Z	04:59:58.0					
FBE	e P	Z	04:59:18.9	80.2	270.4	0.7	15	5.0
	e		04:59:25.0					
GEC2	e P	Z	04:59:20.1	80.4	271.0	0.8	15	5.0
	e		04:59:26.1					
RUE	e P	Z	04:59:20.2	80.4	270.5	0.6	18	5.2
	e		04:59:25.8					
BRG	e P	Z	04:59:20.9	80.5	270.9	0.9	11	4.9
	e		04:59:26.6					
	e pP	Z	05:00:01.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	06:07:38.1	46.820N	27.530W	33.0N	4.7	4.9		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	06:12:35.9	22.4	275.7	3.5	506	5.5		
BUG	e P	Z	06:12:41.4	23.0	272.2	3.8	523	5.4		
IBBN	e P	Z	06:12:45.2	23.3	270.6	2.5	190	5.2		
BFO	e P	Z	06:12:50.4	24.0	280.0	2.4	82	4.8		
STU	e P	Z	06:12:56.2	24.5	279.4	1.2	19	4.7		
NRDL	e P	Z	06:12:57.4	24.7	271.9	1.3	15	4.6		
CLZ	e P	Z	06:12:59.9	24.9	273.5	1.3	18	4.7		
GRA1	e P	Z	06:13:07.3	25.7	278.6	1.4	27	4.7		
	e L	Z	06:22:44.5			18.4	3410		4.9	
MOX	e P	Z	06:13:08.0	25.8	276.9	1.6	12	4.3		
MANZ	e P	Z	06:13:10.8	26.2	278.5	1.3	25	4.7		
WERD	e P	Z	06:13:12.7	26.3	277.7	1.9	17	4.4		
ROTZ	e P	Z	06:13:13.1	26.3	279.0	1.6	12	4.3		
WERN	e P	Z	06:13:13.4	26.3	278.1	2.0	40	4.7		
CLL	e P	Z	06:13:15.5	26.6	276.4	2.1	33	4.7		
FBE	e P	Z	06:13:17.8	26.8	277.4	1.1	10	4.5		
BRG	e P	Z	06:13:19.7	27.2	277.8	1.8	27	4.7		
GEC2	e P	Z	06:13:20.8	27.4	281.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	06:22:40.3	46.230N	27.541W	33.0N	4.3			SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:28:09.7	25.9	277.3	1.5	12	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	07:54:35.9	46.907N	25.378W	33.0N	4.1			SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:59:50.4	24.3	277.6	1.5	9	4.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	10:57:58.3	24.951N	63.080E	29.2	4.6			SZGRF

Off coast of Pakistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 11:06:11.5	45.1	103.6	1.5	21	4.5		
BRG	e P	Z 11:06:14.0	45.4	105.8	1.4	9	4.2		
CLL	e P	Z 11:06:20.4	46.1	105.3	1.3	28	4.8		
ROTZ	e P	Z 11:06:20.9	46.2	103.1	1.3	11	4.4		
MOX	e P	Z 11:06:25.8	46.8	103.4	1.9	29	4.7		
GRA1	e P	Z 11:06:26.0	46.8	102.2	1.5	46	5.0		
	e pP	Z 11:06:33.8							
CLZ	e P	Z 11:06:33.7	47.8	103.4	1.3	16	4.6		
NRDL	e P	Z 11:06:36.7	48.2	103.7	1.2	15	4.6		
IBBN	e P	Z 11:06:47.6	49.5	101.4	1.0	17	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	14:04:18.0	44.264N	151.374E	33.0N	4.6			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:16:23.6	79.8	27.8	1.4	11	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	17:44:43.6	7.527S	13.171W	20.5	4.4			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:54:54.4	61.0	207.9	1.0	6	4.4		
	e pP	Z 17:55:00.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	18:27:15.2	16.590N	120.140E	60.5	5.5	5.3		SZGRF

Luzon, Philippine Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	18:39:55.7	86.4	67.1	1.5	146	5.9		
BRG	e P	Z	18:39:57.9	87.0	67.2	1.9	92	5.6		
	e pP	Z	18:40:15.0							
FBE	e P	Z	18:39:59.8	87.3	66.7	1.6	94	5.7		
	e PP	Z	18:43:23.9							
CLL	e P	Z	18:39:59.9	87.3	66.5	1.6	63	5.7		
BSEG	e P	Z	18:40:01.8	87.7	64.5	1.0	13	5.2		
GEC2	e P	Z	18:40:02.9	87.9	66.9	1.7	46	5.5		
	e PP	Z	18:43:29.6							
TANN	e P	Z	18:40:03.3	88.0	66.0	1.6	22	5.2		
	e PP	Z	18:43:30.5							
WERD	e P	Z	18:40:03.3	88.1	65.9	1.7	33	5.4		
	e PP	Z	18:43:30.2							
GUNZ	e P	Z	18:40:03.4	88.1	65.9	0.9	16	5.4		
WERN	e P	Z	18:40:03.5	88.1	65.9	0.7	10	5.2		
WET	e P	Z	18:40:04.6	88.3	66.3	2.3	92	5.7		
	e PP	Z	18:43:31.7							
MANZ	e P	Z	18:40:05.0	88.4	65.7	1.5	19	5.1		
MOX	e P	Z	18:40:04.9	88.4	65.4	1.9	50	5.4		
	e PP	Z	18:43:33.1							
ROTZ	e P	Z	18:40:05.2	88.4	65.8	1.5	27	5.3		
NRDL	e P	Z	18:40:05.2	88.5	64.3	1.2	24	5.3		
	e PP	Z	18:43:34.2							
CLZ	e P	Z	18:40:05.8	88.6	64.4	1.0	19	5.3		
GRA1	e P	Z	18:40:08.1	89.0	65.1	1.5	28	5.3		
	e pP	Z	18:40:24.4							
	e PP	Z	18:43:39.5							
	e S	N	18:50:50.3							
	e SS	N	18:56:56.5							
	e L	Z	19:22:08.7			19.9	1205		5.3	
UBBA	e P	Z	18:40:09.3	89.3	64.1	1.6	30	5.3		
IBBN	e P	Z	18:40:12.1	89.8	62.4	3.0	320	6.0		
BUG	e P	Z	18:40:14.7	90.5	62.0	1.2	22	5.4		
STU	e P	Z	18:40:15.8	90.6	63.5					
BFO	e P	Z	18:40:18.6	91.3	62.9	1.8	42	5.5		
WLF	e P	Z	18:40:22.1	92.0	61.2	1.7	84	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	21:11:55.9	18.761S	177.584W	679.0				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e		21:30:51.0	144.3	12.9					
RUE	e PKPab	Z	21:30:20.5	145.1	19.0					

NRDL	e PKPdf	Z	21:30:15.1	145.7	13.0		
IBBN	e PKPdf	Z	21:30:16.7	146.2	9.1		
	e PKPab	Z	21:30:24.6				
CLZ	e PKPdf	Z	21:30:16.9	146.3	13.7		
	e		21:30:56.8				
CLL	e PKPdf	Z	21:30:17.2				
	i PKPbc	Z	21:30:21.4			0.7	976
	i PKPab	Z	21:30:24.8				
	e SKPdf	Z	21:32:48.8				
	e pPKPbc	Z	21:32:52.8				
	e PP	Z	21:33:52.0				
	e SKKSac	N	21:39:39.1				
	e SKKSdf	N	21:45:35.9				
	e SS	E	21:51:58.0				
	e SSS	E	21:57:36.0				
	e SSSS	E	22:01:51.5				
BRG	e PKPdf	Z	21:30:17.8	146.6	20.1		
	e PKPab	Z	21:30:25.7				
	e pPKPbc	Z	21:32:54.0				
FBE	e PKPab	Z	21:30:26.3	146.7	19.1		
BUG	e PKPdf	Z	21:30:18.9	147.1	8.5		
	e PKPbc	Z	21:30:23.2				
MOX	e PKPdf	Z	21:30:18.7	147.3	16.3		
	e PKPbc	Z	21:30:23.3				
WERD	e PKPab	Z	21:30:28.0	147.3	17.5		
TANN	e PKPdf	Z	21:30:19.0	147.4	17.8		
	e PKPbc	Z	21:30:24.1				
	e PKPab	Z	21:30:28.1				
UBBA	e PKPdf	Z	21:30:18.7	147.4	13.4		
GUNZ	e PKPab	Z	21:30:29.5	147.4	17.6		
WERN	e PKPab	Z	21:30:29.7	147.5	17.7		
MANZ	e PKPdf	Z	21:30:19.5	147.8	17.4		
	e PKPbc	Z	21:30:25.4				
	e pPKPbc	Z	21:32:56.2				
ROTZ	e PKPdf	Z	21:30:19.9	148.0	17.7		
	e PKPbc	Z	21:30:25.8				
	e		21:31:01.3				
	e pPKPbc	Z	21:32:57.3				
GRA1	e PKPdf	Z	21:30:20.8	148.3	16.0		
	e PKPab	Z	21:30:33.2				
	e SKPdf	Z	21:32:53.9				
	e SS	E	21:52:21.9				
WET	e PKPdf	Z	21:30:21.1	148.5	19.2		
	e PKPbc	Z	21:30:26.6				
	e PKPab	Z	21:30:33.8				
	e		21:31:02.6				
GEC2	e PKPdf	Z	21:30:21.0	148.6	20.8		
	e		21:31:02.1				
	e pPKPbc	Z	21:33:00.2				

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

22

WLF	e PKPdf	Z	21:30:22.3	149.0	6.9
	e PKPbc	Z	21:30:28.9		
STU	e PKPdf	Z	21:30:22.7	149.5	12.7
	e PKPbc	Z	21:30:29.4		
	e PKPab	Z	21:30:38.0		
BFO	e PKPdf	Z	21:30:22.2	150.0	11.3
	e PKPbc	Z	21:30:30.6		
	e PKPab	Z	21:30:40.3		
	e		21:31:05.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	22:01: 8.8	19.950S	179.040W	698.1				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	22:19:29.1	145.3	15.6					
NRDL	e PKPdf	Z	22:19:32.8	146.7	15.8					
	e PKPbc	Z	22:19:34.5							
IBBN	e PKPdf	Z	22:19:34.0	147.2	11.9					
CLL	e PKPdf	Z	22:19:32.7	147.2	21.3					
	e PKPbc	Z	22:19:36.1							
CLZ	e PKPdf	Z	22:19:33.4	147.3	16.5					
BRG	e PKPdf	Z	22:19:33.5	147.4	23.1					
	e PKPbc	Z	22:19:36.8							
	e pPKPbc	Z	22:22:10.9							
FBE	e PKPab	Z	22:19:41.2	147.5	22.1					
BUG	e PKPdf	Z	22:19:34.3	148.1	11.3					
MOX	e PKPdf	Z	22:19:34.3	148.2	19.2					
	e PKPbc	Z	22:19:38.6							
	e PKPab	Z	22:19:43.8							
	e pPKPbc	Z	22:22:13.1							
TANN	e PKPdf	Z	22:19:35.5	148.2	20.8					
	e PKPbc	Z	22:19:38.9							
GUNZ	e PKPab	Z	22:19:44.5	148.3	20.6					
UBBA	e PKPdf	Z	22:19:35.7	148.3	16.3					
	e PKPbc	Z	22:19:38.7							
WERN	e PKPab	Z	22:19:45.1	148.3	20.8					
MANZ	e PKPdf	Z	22:19:36.3	148.7	20.5					
	e PKPbc	Z	22:19:40.2							
ROTZ	e PKPdf	Z	22:19:36.4	148.9	20.8					
	e PKPbc	Z	22:19:40.3							
GRA1	e PKPdf	Z	22:19:36.3	149.2	19.1					
	e PKPab	Z	22:19:48.0							
WET	e PKPdf	Z	22:19:36.9	149.3	22.3					
	e PKPbc	Z	22:19:41.4							
	e PKPab	Z	22:19:48.8							
GEC2	e PKPdf	Z	22:19:37.0	149.3	24.0					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

23

	e pPKPbc	Z	22:22:16.7		
WLF	e PKPpdf	Z	22:19:38.8	150.0	9.8
	e PKPbc	Z	22:19:43.6		
	e pPKPbc	Z	22:22:19.0		
STU	e PKPpdf	Z	22:19:38.1	150.4	15.8
	e PKPab	Z	22:19:53.2		
	e pPKPbc	Z	22:22:17.8		
BFO	e PKPpdf	Z	22:19:38.6	151.0	14.4
	e PKPab	Z	22:19:55.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	22:19: 4.3	21.450S	179.070W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	22:38:42.2	146.7	16.1					
NRDL	e PKPbc	Z	22:38:46.4	148.2	16.3					
CLL	e PKPbc	Z	22:38:48.0	148.7	22.0					
	e PKPab	Z	22:38:51.4							
CLZ	e PKPbc	Z	22:38:48.4	148.7	17.1					
	e PKPab	Z	22:38:51.6							
BRG	e PKPbc	Z	22:38:48.6	148.9	23.9					
MOX	e PKPbc	Z	22:38:50.5	149.6	20.0					
	e PKPab	Z	22:38:55.3							
TANN	e PKPbc	Z	22:38:50.5	149.6	21.6					
	e PKPab	Z	22:38:55.6							
UBBA	e PKPbc	Z	22:38:50.5	149.8	17.0					
MANZ	e PKPbc	Z	22:38:52.0	150.1	21.2					
ROTZ	e PKPbc	Z	22:38:51.9	150.3	21.6					
	e PKPab	Z	22:38:58.5							
GRA1	e PKPbc	Z	22:38:53.1	150.6	19.8					
	e PKPab	Z	22:38:59.6							
WET	e PKPbc	Z	22:38:53.1	150.7	23.2					
	e PKPab	Z	22:39:00.6							
GEC2	e PKPbc	Z	22:38:53.4	150.8	24.9					
WLF	e PKPbc	Z	22:38:55.5	151.5	10.2					
BFO	e PKPbc	Z	22:38:57.1	152.5	15.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	22:50: 5.8	16.600S	172.800W	35.0				NEIC
Samoa Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	23:09:44.1	146.7	7.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/06	23:53:22.2	21.493S	178.465E	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	00:13:04.1	148.1	26.2					
BRG	e PKPbc	Z	00:13:04.7	148.2	28.1					
FBE	e PKPbc	Z	00:13:05.3	148.4	27.1					
WERD	e PKPbc	Z	00:13:06.8	149.1	25.7					
MANZ	e PKPbc	Z	00:13:08.2	149.5	25.7					
ROTZ	e PKPbc	Z	00:13:08.3	149.7	26.0					
GRA1	e PKPbc	Z	00:13:09.3	150.0	24.3					
GEC2	e PKPbc	Z	00:13:09.5	150.1	29.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/07	00:29: 3.7	30.620N	131.060E	33.0N	5.2	4.9		SZGRF
Kyushu, Japan								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	00:41:15.0	80.6	50.8	0.8	21	5.2		
BSEG	e P	Z	00:41:18.3	81.2	48.5	1.1	20	5.2		
BRG	e P	Z	00:41:19.9	81.5	50.8	0.8	7	4.9		
CLL	e P	Z	00:41:20.4	81.7	50.1	0.6	21	5.4		
FBE	e P	Z	00:41:21.3	81.8	50.3	0.8	15	5.2		
NRDL	e P	Z	00:41:23.8	82.3	48.1	1.4	14	5.0		
TANN	e P	Z	00:41:25.3	82.5	49.6	1.3	14	5.0		
CLZ	e P	Z	00:41:25.9	82.6	48.3	1.3	38	5.5		
WERD	e P	Z	00:41:25.6	82.6	49.5	0.7	11	5.2		
GUNZ	e P	Z	00:41:25.8	82.6	49.5	0.8	16	5.3		
WERN	e P	Z	00:41:26.1	82.7	49.6	0.7	14	5.3		
MOX	e P	Z	00:41:26.6	82.8	49.1	1.0	14	5.2		
GEC2	e P	Z	00:41:26.8	82.9	50.4	1.6	23	5.2		
MANZ	e P	Z	00:41:27.5	83.0	49.4	1.0	13	5.1		
ROTZ	e P	Z	00:41:28.2	83.1	49.4	1.0	23	5.3		
WET	e P	Z	00:41:27.2	83.1	49.8	1.2	8	4.8		
UBBA	e P	Z	00:41:29.7	83.4	47.9	0.7	14	5.3		
IBBN	e P	Z	00:41:29.6	83.4	46.4	0.7	43	5.8		
GRA1	e P	Z	00:41:30.9	83.6	48.7	1.1	39	5.6		
	e L	Z	01:21:58.9			21.7	552		4.9	
BUG	e P	Z	00:41:33.6	84.3	46.0	1.1	23	5.3		
STU	e P	Z	00:41:38.5	85.2	47.2	0.9	14	5.1		
BFO	e P	Z	00:41:43.2	85.9	46.5	0.8	8	4.9		
WLF	e P	Z	00:41:42.8	86.0	45.0	1.2	28	5.3		



Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/07	00:24:49.0	19.460S	179.010W	695.3				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKP	Z	00:43:05.9	143.7	19.9					
BSEG	e PKPbc	Z	00:43:09.6	144.8	15.4					
HLG	e PKPbc	Z	00:43:10.4	144.9	11.3					
RUE	e PKPbc	Z	00:43:11.8	145.5	21.6					
NRDL	e PKPdf	Z	00:43:11.3	146.2	15.6					
	e PKPbc	Z	00:43:13.8							
IBBN	e PKPdf	Z	00:43:12.5	146.7	11.7					
	e PKPbc	Z	00:43:15.2							
	e PKPab	Z	00:43:18.5							
CLL	e PKPdf	Z	00:43:12.0	146.8	21.0					
	i PKPbc	Z	00:43:15.3			0.6	251			
	e PKiKP	Z	00:43:16.9							
	e PKPab	Z	00:43:18.2							
CLZ	e PKPdf	Z	00:43:12.5	146.8	16.3					
	e PKPbc	Z	00:43:15.7							
	e PKPab	Z	00:43:18.7							
BRG	e PKPdf	Z	00:43:12.4	147.0	22.8					
	e PKPbc	Z	00:43:15.9							
	e PKPab	Z	00:43:19.4							
	e pPKPab	Z	00:45:48.4							
FBE	e PKPdf	Z	00:43:12.6	147.1	21.8					
	e PKPbc	Z	00:43:16.4							
	e PKPab	Z	00:43:20.0							
BUG	e PKPdf	Z	00:43:13.8	147.6	11.1					
	e PKPbc	Z	00:43:17.3							
MOX	e PKPdf	Z	00:43:13.5	147.7	19.0					
	e PKPbc	Z	00:43:17.7							
	e PKPab	Z	00:43:22.2							
TANN	e PKPdf	Z	00:43:13.7	147.7	20.6					
	e PKPbc	Z	00:43:18.1							
	e PKPab	Z	00:43:22.7							
WERD	e PKPdf	Z	00:43:13.5	147.7	20.3					
	e PKPbc	Z	00:43:18.0							
	e PKPab	Z	00:43:22.6							
	e pPKPab	Z	00:45:51.1							
GUNZ	e PKPdf	Z	00:43:14.1	147.8	20.4					
	e PKPbc	Z	00:43:18.5							
	e PKPab	Z	00:43:23.3							
	e pPKPab	Z	00:45:51.8							
UBBA	e PKPdf	Z	00:43:13.7	147.8	16.1					
	e PKPbc	Z	00:43:17.9							
WERN	e PKPdf	Z	00:43:14.2	147.9	20.5					
	e PKPbc	Z	00:43:18.6							

	e PKPab	Z	00:43:23.5		
	e pPKPab	Z	00:45:52.1		
MANZ	e PKPdf	Z	00:43:14.5	148.2	20.2
	e PKPbc	Z	00:43:19.3		
ROTZ	e PKPdf	Z	00:43:14.6	148.4	20.5
	e PKPbc	Z	00:43:19.7		
GRA1	e PKPdf	Z	00:43:15.4	148.7	18.8
	e PKPbc	Z	00:43:20.5		
	e PKPab	Z	00:43:26.7		
GRFO	e PKPbc	Z	00:43:20.5	148.7	18.8
	e PKPab	Z	00:43:26.8		
WET	e PKPdf	Z	00:43:15.3	148.8	22.0
	e PKPbc	Z	00:43:20.7		
	e PKPab	Z	00:43:27.4		
GEC2	e PKPbc	Z	00:43:20.8	148.9	23.7
WLF	e PKPdf	Z	00:43:17.5	149.5	9.6
	e PKPbc	Z	00:43:22.8		
	e pPKPab	Z	00:45:56.6		
STU	e PKPdf	Z	00:43:17.6	150.0	15.6
	e PKPbc	Z	00:43:23.5		
	e PKPab	Z	00:43:31.6		
BFO	e PKPbc	Z	00:43:24.6	150.5	14.2
	e PKPab	Z	00:43:34.0		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/07 01:34:47.1 37.813N 21.018E 35.0G 4.5 3.6  
 Southern Greece NEIC

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	01:37:37.7	12.2	151.7					
WET	e Pn	Z	01:37:46.3	12.8	149.6					
ROTZ	e P	Z	01:38:10.0	13.5	148.8					
MANZ	e P	Z	01:38:10.3	13.7	149.0					
GRA1	e P	Z	01:38:10.6	13.8	145.7					
	e L	Z	01:44:24.5			20.6	561		3.6	
WERN	e P	Z	01:38:13.0	13.9	150.4					
BFO	e P	Z	01:38:13.0	14.0	134.1					
BRG	e P	Z	01:38:12.5	14.0	156.3					
GUNZ	e P	Z	01:38:12.4	14.0	150.4					
TANN	e P	Z	01:38:12.8	14.0	150.9					
WERD	e P	Z	01:38:13.7	14.1	150.5					
FBE	e P	Z	01:38:14.6	14.2	154.5					
CLL	e P	Z	01:38:19.1	14.6	154.1					
NEUB	e P	Z	01:38:23.3	14.9	150.4					
UBBA	e P	Z	01:38:25.5	15.2	144.8	1.4	25			
RUE	e P	Z	01:38:28.7	15.5	158.1	1.1	91	4.8		
CLZ	e P	Z	01:38:34.1	15.9	147.8	1.3	61	4.6		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

27

BUG	e P	Z	01:38:41.1	16.7	139.3	1.1	24	4.2
BSEG	e P	Z	01:38:53.0	17.7	151.2	1.0	32	4.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/07	03:04:28.6	9.548N	126.174E	35.0G				NEIC
Mindanao, Philippine Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pdiff	Z 03:17:52.6	96.1	66.6					
GEC2	e Pdiff	Z 03:17:55.0	97.1	66.7					
GUNZ	e Pdiff	Z 03:17:57.1	97.3	65.4					
WET	e Pdiff	Z 03:17:57.6	97.5	66.0					
CLZ	e Pdiff	Z 03:17:59.2	97.7	63.6					
GRA1	e Pdiff	Z 03:18:00.5	98.2	64.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/07	05:58:26.0	23.408N	95.040E	33.0N	5.0			SZGRF
Myanmar								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 06:09:16.0	67.0	80.2	0.9	8	5.0		
WET	e P	Z 06:09:20.2	67.5	79.7	0.9	8	4.9		
ROTZ	e P	Z 06:09:21.4	67.8	79.5	1.0	15	5.2		
GRA1	e P	Z 06:09:25.3	68.5	78.7	1.1	9	4.9		
BFO	e P	Z 06:09:39.3	70.6	76.2	1.3	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/07	11:15:17.2	44.800S	80.500W	10.0		5.8		NEIC
Off coast of southern Chile								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e PP	Z 11:35:35.5	120.7	235.5					
BFO	e PP	Z 11:35:36.2	121.1	236.0					
	e SP	Z 11:45:32.1							
STU	e PP	Z 11:35:41.5	121.8	236.6					
	e SP	Z 11:45:38.9							
BUG	e PP	Z 11:35:43.0	122.3	237.0					
	e SP	Z 11:45:42.6							
FUR	e PP	Z 11:35:46.0	122.7	237.4					
	e SP	Z 11:45:45.7							
IBBN	e PP	Z 11:35:45.3	123.0	237.7					
	e SP	Z 11:45:49.0							
UBBA	e PP	Z 11:35:50.6	123.4	238.2					

	e SP	Z	11:45:50.7						
GRA1	e PP	Z	11:35:49.8	123.4	238.2				
	e SP	Z	11:45:46.7						
	e SKKPdf	Z	11:48:13.2						
	e SS	R	11:53:12.7						
	e L	Z	12:29:15.9			18.3	2052		5.8
ROTZ	e PP	Z	11:35:54.3	124.0	238.8				
	e SP	Z	11:45:55.2						
HLG	e PP	Z	11:35:53.6	124.0	238.9				
	e SP	Z	11:45:54.1						
WET	e PP	Z	11:35:55.8	124.1	238.8				
	e SP	Z	11:45:56.9						
MANZ	e PP	Z	11:35:56.6	124.1	238.9				
	e SP	Z	11:45:56.5						
CLZ	e PP	Z	11:35:55.1	124.1	239.0				
	e SP	Z	11:45:58.4						
MOX	e PP	Z	11:35:56.6	124.2	239.0				
	e SP	Z	11:45:56.9						
NRDL	e PP	Z	11:35:58.1	124.3	239.2				
	e SP	Z	11:45:58.8						
GEC2	e PP	Z	11:35:56.6	124.4	239.0				
	e SP	Z	11:45:57.8						
TANN	e PP	Z	11:35:58.1	124.5	239.3				
	e SP	Z	11:45:59.3						
BSEG	e SP	Z	11:46:08.0	125.1	240.2				
CLL	e PP	Z	11:36:04.1	125.2	240.1				
	e SP	Z	11:46:13.8						
BRG	e PP	Z	11:36:04.1	125.5	240.4				
	e SP	Z	11:46:11.0						
RUE	e SP	Z	11:46:15.1	126.2	241.3				
RGN	e SP	Z	11:46:17.6	127.0	242.4				

Date 2007/05/07  
 Origin Time 11:59:51.0  
 Xizang Lat 31.590N Long 97.210E Depth 12.7 mb 5.8 Ms ML Source SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 12:10:08.2	61.4	74.8	1.0	108	5.6		
RUE	e P	Z 12:10:09.7	61.7	74.1	1.7	186	6.0		
BRG	e P	Z 12:10:12.2	62.0	73.3	1.5	81	5.7		
FBE	e P	Z 12:10:14.7	62.3	73.0	1.3	80	5.8		
CLL	e P	Z 12:10:14.8	62.4	72.9	1.3	62	5.6		
GEC2	e P	Z 12:10:17.6	62.8	72.2	1.3	68	5.6		
TANN	e P	Z 12:10:19.2	63.0	72.1	1.5	64	5.5		
WERD	e P	Z 12:10:19.7	63.1	72.0	1.6	65	5.5		
WERN	e P	Z 12:10:19.9	63.1	72.0	1.3	51	5.5		
GUNZ	e P	Z 12:10:19.9	63.1	72.0	1.5	87	5.7		

WET	e P	Z	12:10:20.4	63.2	71.8	1.4	81	5.7
BSEG	e P	Z	12:10:20.8	63.2	72.3	1.5	107	5.8
MANZ	e P	Z	12:10:21.8	63.4	71.7	1.5	61	5.5
ROTZ	e P	Z	12:10:22.0	63.4	71.6	1.3	108	5.8
MOX	e P	Z	12:10:22.1	63.5	71.7	1.5	65	5.6
NRDL	e P	Z	12:10:24.5	63.8	71.5	1.3	115	5.9
CLZ	e P	Z	12:10:24.7	63.8	71.4	1.4	142	6.0
	e pP	Z	12:10:28.3					
GRA1	e P	Z	12:10:26.2	64.0	70.9	1.1	79	5.9
	e pP	Z	12:10:29.7					
	e		12:10:46.5					
UBBA	e P	Z	12:10:27.9	64.4	70.6	1.5	53	5.6
HLG	e P	Z	12:10:29.2	64.5	70.7	1.1	222	6.3
FUR	e P	Z	12:10:29.3	64.5	70.3	1.4	282	6.3
IBBN	e P	Z	12:10:33.3	65.2	69.8	1.4	85	5.8
STU	e P	Z	12:10:35.8	65.6	69.2	1.4	120	5.9
BUG	e P	Z	12:10:37.1	65.8	69.1	1.4	68	5.7
BFO	e P	Z	12:10:40.0	66.3	68.5	1.4	74	5.7
WLF	e P	Z	12:10:46.1	67.1	67.6	1.1	133	6.1

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/07 14:09:36.3 42.131N 142.770E 33.0N 4.8  
 Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 14:21:19.1	75.7	34.4	0.9	12	5.0		
CLL	e P	Z 14:21:25.3	76.9	35.8	0.9	10	5.0		
CLZ	e P	Z 14:21:28.7	77.4	34.1	0.8	10	5.0		
GEC2	e P	Z 14:21:35.8	78.6	36.0	0.6	2	4.3		
WET	e P	Z 14:21:35.9	78.7	35.5	0.9	6	4.6		
GRA1	e P	Z 14:21:36.5	78.9	34.5	1.1	8	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/07 20:32:33.3 21.620S 177.990W 571.2  
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPbc	Z 20:51:09.3	146.0	19.0					
BSEG	e PKPdf	Z 20:51:09.5	147.1	14.3					
	e PKPbc	Z 20:51:12.1							
	e pPKPbc	Z 20:53:23.9							
HLG	e PKPbc	Z 20:51:12.6	147.1	10.1					
	e PKPab	Z 20:51:16.3							
RUE	e PKPdf	Z 20:51:10.9	147.8	20.9					
	e PKPbc	Z 20:51:14.1							

	e PKPab	Z	20:51:18.6		
NRDL	e PKPdf	Z	20:51:12.0	148.5	14.5
	e PKPbc	Z	20:51:16.1		
	e PKPab	Z	20:51:21.3		
IBBN	e PKPdf	Z	20:51:12.9	149.0	10.4
	e PKPbc	Z	20:51:17.4		
	e PKPab	Z	20:51:23.4		
CLZ	e PKPdf	Z	20:51:13.1	149.1	15.3
	e PKPbc	Z	20:51:17.7		
	e PKPab	Z	20:51:23.6		
CLL	e PKPdf	Z	20:51:12.8	149.1	20.2
	e PKPbc	Z	20:51:17.4		
	e PKPab	Z	20:51:23.5		
BRG	e PKPdf	Z	20:51:13.3	149.3	22.1
	e PKPbc	Z	20:51:18.0		
	e PKPab	Z	20:51:24.5		
FBE	e PKPdf	Z	20:51:13.7	149.4	21.0
	e PKPbc	Z	20:51:18.3		
	e PKPab	Z	20:51:25.1		
BUG	e PKPdf	Z	20:51:14.0	149.9	9.8
	e PKPbc	Z	20:51:19.2		
	e PKPab	Z	20:51:26.9		
	e pPKPbc	Z	20:53:32.3		
MOX	e PKPdf	Z	20:51:14.7	150.0	18.1
	e PKPbc	Z	20:51:19.7		
	e PKPab	Z	20:51:27.4		
TANN	e PKPdf	Z	20:51:14.8	150.1	19.7
	e PKPbc	Z	20:51:19.6		
	e PKPab	Z	20:51:28.0		
	e pPKPbc	Z	20:53:33.0		
WERD	e PKPdf	Z	20:51:14.5	150.1	19.4
	e PKPbc	Z	20:51:19.6		
	e PKPab	Z	20:51:27.9		
GUNZ	e PKPdf	Z	20:51:14.8	150.1	19.5
	e PKPbc	Z	20:51:20.3		
	e PKPab	Z	20:51:28.5		
UBBA	e PKPdf	Z	20:51:14.4	150.1	15.0
	e PKPbc	Z	20:51:19.8		
	e PKPab	Z	20:51:27.9		
	e pPKPbc	Z	20:53:33.0		
WERN	e PKPdf	Z	20:51:14.9	150.2	19.7
	e PKPbc	Z	20:51:20.6		
	e PKPab	Z	20:51:28.7		
	e pPKPbc	Z	20:53:33.4		
MANZ	e PKPdf	Z	20:51:15.0	150.5	19.4
	e PKPbc	Z	20:51:21.0		
	e PKPab	Z	20:51:29.9		
	e pPKPbc	Z	20:53:32.8		
ROTZ	e PKPdf	Z	20:51:15.4	150.7	19.7

	e	PKPbc	Z	20:51:21.3				
	e	PKPab	Z	20:51:30.8				
	e	pPKPbc	Z	20:53:33.2				
GRA1	e	PKPdf	Z	20:51:16.0	151.0	17.9		
	e	PKPbc	Z	20:51:22.1				
	e	PKPab	Z	20:51:32.2				
	e	pPKPbc	Z	20:53:34.1				
GRFO	e	PKPbc	Z	20:51:22.1	151.0	17.9		
WET	e	PKPdf	Z	20:51:16.2	151.2	21.3		
	e	PKPbc	Z	20:51:22.4				
	e	PKPab	Z	20:51:32.9				
	e	pPKPbc	Z	20:53:34.3				
GEC2	e	PKPdf	Z	20:51:16.1	151.2	23.0		
	e	PKPbc	Z	20:51:22.4				
	e	PKPab	Z	20:51:32.8				
	e	pPKPbc	Z	20:53:34.4				
WLF	e	PKPdf	Z	20:51:18.0	151.8	8.2		
	e	PKPbc	Z	20:51:24.3				
	e	PKPab	Z	20:51:35.4				
	e	pPKPbc	Z	20:53:36.1				
STU	e	PKPdf	Z	20:51:17.9	152.3	14.5		
	e	PKPbc	Z	20:51:24.9				
	e	PKPab	Z	20:51:37.1				
	e	pPKPbc	Z	20:53:36.5				
FUR	e	PKPdf	Z	20:51:17.9	152.4	18.9		
	e	PKPbc	Z	20:51:25.0				
	e	PKPab	Z	20:51:38.2				
	e	pPKPbc	Z	20:53:36.9				
BFO	e	PKPdf	Z	20:51:18.5	152.8	12.9		
	e	PKPbc	Z	20:51:25.7				
	e	PKPab	Z	20:51:39.3				
	e	pPKPbc	Z	20:53:37.5				

Date 2007/05/08  
 Origin Time 00:45:22.4  
 Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e L	Z 01:16:04.4	51.4	83.5	18.2	124		4.0	
BRG	e P	Z 00:54:24.8	51.6	81.0	1.2	9	4.5		
	e L	Z 01:18:01.7			18.1	290		4.3	
GEC2	e P	Z 00:54:26.6	52.1	79.3	1.7	22	4.8		
	e L	Z 01:17:12.9			21.8	128		3.9	
CLL	e L	Z 01:18:05.6	52.1	80.7	20.7	182		4.1	
WET	e L	Z 01:17:29.3	52.5	79.0	21.5	86		3.8	
TANN	e L	Z 01:18:34.0	52.6	79.7	18.2	266		4.3	
ROTZ	e P	Z 00:54:34.7	52.9	79.0	1.3	12	4.6		

	e L	Z	01:18:44.8			18.5	178		4.1
MANZ	e L	Z	01:18:44.4	52.9	79.1	19.4	230		4.2
MOX	e L	Z	01:18:47.1	53.1	79.3	19.3	208		4.2
BSEG	e P	Z	00:54:38.2	53.3	80.8	1.5	22	4.9	
	e L	Z	01:18:29.3			19.1	100		3.9
GRA1	e P	Z	00:54:39.8	53.5	78.3	1.9	43	5.2	
	e L	Z	01:19:03.7			21.1	117		3.9
GRFO	e L	Z	01:19:04.3	53.5	78.3	20.2	117		3.9
CLZ	e P	Z	00:54:39.7	53.6	79.3	0.9	6	4.6	
	e L	Z	01:20:04.6			18.7	141		4.1
NRDL	e P	Z	00:54:40.2	53.6	79.6	1.7	28	5.0	
	e L	Z	01:20:44.6			18.0	206		4.2
UBBA	e L	Z	01:19:15.5	54.0	78.3	19.3	144		4.1
HLG	e L	Z	01:19:43.0	54.6	79.2	21.2	73		3.7
STU	e L	Z	01:18:42.6	55.0	76.3	18.8	99		3.9
IBBN	e L	Z	01:20:30.6	55.1	77.8	18.2	180		4.2
BUG	e L	Z	01:21:59.6	55.6	76.8	19.4	107		3.9
BFO	e L	Z	01:20:40.5	55.6	75.5	18.1	145		4.1
WLF	e L	Z	01:17:49.3	56.7	74.9	21.0	144		4.0

Date 2007/05/08 Origin Time 05:31:38.6 Lat 21.670S Long 173.560W Depth 40.7 mb Ms ML Source SZGRF  
Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	05:51:18.0	147.6	6.7					
IBBN	e PKPbc	Z	05:51:22.7	149.3	2.4					
CLZ	e PKPbc	Z	05:51:23.7	149.7	7.3					
	e pPKPbc	Z	05:51:36.0							
CLL	e PKPbc	Z	05:51:24.1	149.9	12.2					
	e pPKPbc	Z	05:51:36.4							
BRG	e PKPbc	Z	05:51:25.1	150.2	14.1					
FBE	e PKPbc	Z	05:51:25.4	150.3	13.0					
MOX	e PKPbc	Z	05:51:26.1	150.7	9.9					
WERD	e PKPbc	Z	05:51:26.7	150.9	11.2					
	e pPKPbc	Z	05:51:38.9							
TANN	e PKPbc	Z	05:51:26.7	150.9	11.6					
GUNZ	e PKPbc	Z	05:51:27.1	150.9	11.3					
WERN	e PKPbc	Z	05:51:27.0	151.0	11.4					
	e PKPab	Z	05:51:34.4							
MANZ	e PKPbc	Z	05:51:27.9	151.3	11.0					
	e pPKPbc	Z	05:51:40.1							
ROTZ	e PKPbc	Z	05:51:28.2	151.5	11.3					
GRA1	e PKPbc	Z	05:51:29.0	151.7	9.4					
GEC2	e PKPbc	Z	05:51:29.7	152.2	14.6					
	e PKPab	Z	05:51:39.4							
BFO	e PKPab	Z	05:51:43.8	153.3	3.9					



Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/08	06:56:23.3	34.473N	3.008E	33.0N	4.1			SZGRF

Northern Algeria

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:00:13.6	16.4	204.7	0.6	14	4.2		
GEC2	e P	Z 07:00:10.5	16.4	212.8	1.0	13	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/08	15:46:49.0	44.119N	112.285W	33.0N	4.7			SZGRF

Eastern Idaho, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:58:21.8	74.1	321.5	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/09	00:44:17.4	37.443N	24.514W	33.0N	4.4	3.7		SZGRF

Azores Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:50:08.3	28.3	258.0	1.0	6	4.4		
	e L	Z 00:59:28.3			21.2	206		3.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/09	06:03:50.3	44.882N	10.569E	10.0G			4.3	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
DAVA	e Pn	Z 06:04:32.1	2.5	168.5					
	e Sg	Z 06:05:06.8							
KBA	e Pn	Z 06:04:37.4	2.9	222.3					
FUR	e Sn	N 06:05:23.0	3.3	188.7					4.4
BFO	e Pn	Z 06:04:48.4	3.8	155.1					4.3
	e Sn	N 06:05:32.5							
STU	e Sn	N 06:05:37.2	4.0	165.9					4.5
ARSA	e Pn	Z 06:04:53.4	4.2	237.2					
GEC2	e Pn	Z 06:04:58.2	4.5	209.5					4.2
	e Sn	N 06:05:50.3							
WET	e Pn	Z 06:04:58.6	4.5	201.1					4.2
	e Sn	N 06:05:50.5							

GRA1	e Sn	E	06:05:57.2	4.8	185.5					4.5
TANN	e Pn	Z	06:05:13.4	5.7	193.7					4.2
	e Sn	N	06:06:16.3							
MOX	e Pn	Z	06:05:15.0	5.8	187.4					4.3
	e Sn	N	06:06:19.0							
BRG	e Pn	Z	06:05:24.0	6.4	202.0					
	e Sn	N	06:06:34.9							
CLZ	e Pn	Z	06:05:31.6	7.0	178.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/09	07:50:13.9	40.803N	124.440W	33.0G	5.0	4.8		SZGRF

Near coast of northern California, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z	08:02:13.7	78.8	326.6	1.7	36	5.1		
CLZ	e P	Z	08:02:17.4	79.4	326.9	1.3	31	5.1		
WLF	e P	Z	08:02:19.0	79.7	324.2	1.6	47	5.2		
UBBA	e P	Z	08:02:22.2	80.1	326.7	1.7	30	5.0		
CLL	e P	Z	08:02:23.8	80.7	328.8	1.2	22	5.0		
MOX	e P	Z	08:02:24.4	80.8	327.9	1.4	16	4.9		
FBE	e P	Z	08:02:26.3	81.2	329.0	1.3	15	4.9		
GUNZ	e P	Z	08:02:27.0	81.3	328.4	1.4	13	4.8		
WERN	e P	Z	08:02:27.4	81.4	328.4	2.3	45	5.2		
BRG	e P	Z	08:02:27.6	81.4	329.4	1.1	21	5.2		
GRA1	e P	Z	08:02:28.3	81.5	327.7	1.3	20	5.1		
	e L	Z	08:38:25.7			21.6	442		4.8	
WET	e P	Z	08:02:33.3	82.5	328.8	1.3	12	4.9		
GEC2	e P	Z	08:02:36.0	83.1	329.4	1.4	20	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/09	09:01:47.8	6.600N	123.900E	573.0				NEIC

Mindanao, Philippine Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e Pdiff	Z	09:14:18.1	96.7	69.9					
BRG	e Pdiff	Z	09:14:19.4	97.2	70.2					
FBE	e Pdiff	Z	09:14:20.7	97.5	69.8					
CLL	e Pdiff	Z	09:14:21.4	97.6	69.4					
GEC2	e Pdiff	Z	09:14:23.0	98.0	70.3					
TANN	e Pdiff	Z	09:14:23.9	98.2	69.1					
WERD	e Pdiff	Z	09:14:24.6	98.3	69.0					
GUNZ	e Pdiff	Z	09:14:24.5	98.3	69.0					
WERN	e Pdiff	Z	09:14:24.8	98.3	69.1					
WET	e Pdiff	Z	09:14:24.9	98.4	69.6					
ROTZ	e Pdiff	Z	09:14:25.9	98.6	69.0					

MOX	e Pdiff	Z	09:14:26.0	98.6	68.4
NRDL	e Pdiff	Z	09:14:27.7	98.8	66.9
CLZ	e Pdiff	Z	09:14:27.8	98.9	67.2
GRA1	e Pdiff	Z	09:14:28.9	99.2	68.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/09	18:10:42.5	47.244N	152.483E	33.0N	4.9	4.0		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 18:22:22.7	75.5	27.1	1.1	17	5.1		
CLZ	e P	Z 18:22:25.2	75.7	25.5					
MOX	e P	Z 18:22:29.0	76.5	26.1	1.0	9	4.9		
MANZ	e P	Z 18:22:31.5	76.9	26.4	1.1	10	4.8		
ROTZ	e P	Z 18:22:32.6	77.1	26.4	1.1	10	4.8		
GRA1	e P	Z 18:22:34.9	77.4	25.8	1.3	36	5.3		
	e L	Z 19:00:19.9			20.7	75		4.0	
WET	e P	Z 18:22:35.1	77.5	26.8	1.1	12	4.9		
GEC2	e P	Z 18:22:34.4	77.5	27.3	1.2	5	4.5		
BFO	e P	Z 18:22:45.9	79.5	23.9	1.2	19	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/09	18:45:24.4	27.300N	35.000E	10.0	4.7			NEIC

Western Arabian Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 18:51:07.4	27.1	134.9	1.2	18	4.7		
WET	e P	Z 18:51:12.3	27.7	134.0	1.7	22	4.7		
BRG	e P	Z 18:51:19.3	28.5	137.9	1.2	14	4.7		
MANZ	e P	Z 18:51:21.0	28.6	133.9	1.3	11	4.5		
GRA1	e P	Z 18:51:21.8	28.9	132.1	1.6	23	4.8		
	e pP	Z 18:51:27.0							
WERD	e P	Z 18:51:23.6	28.9	134.8	1.6	23	4.8		
CLL	e P	Z 18:51:25.7	29.2	137.0	1.5	17	4.6		
MOX	e P	Z 18:51:27.2	29.3	133.9	1.1	12	4.6		
BFO	e P	Z 18:51:28.6	29.5	125.9	1.3	15	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/10	04:36:1.6	20.800S	174.200W	33.0N				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 04:55:45.9	149.0	13.1					

BRG	e	PKPbc	Z	04:55:46.5	149.3	15.0
FBE	e	PKPbc	Z	04:55:47.0	149.3	13.9
WERD	e	PKPbc	Z	04:55:48.5	149.9	12.2
GUNZ	e	PKPbc	Z	04:55:48.9	150.0	12.3
MANZ	e	PKPbc	Z	04:55:49.7	150.4	12.0
ROTZ	e	PKPbc	Z	04:55:50.0	150.6	12.3
GRA1	e	PKPbc	Z	04:55:51.1	150.8	10.4
GEC2	e	PKPbc	Z	04:55:51.9	151.3	15.5
BFO	e	PKPbc	Z	04:55:54.4	152.4	5.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/10	11:08:11.0	7.000S	155.300E	34.8		5.1		NEIC
Bougainville - Solomon Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPdf	Z 11:34:08.7	125.2	44.2					
BRG	e	PKPdf	Z 11:34:09.4	125.7	49.8					
	e	pPKPdf	Z 11:34:19.3							
CLL	e	PKPdf	Z 11:34:09.7	125.9	48.5					
FBE	e	PKPdf	Z 11:34:09.1	126.0	49.1					
	e	pPKPdf	Z 11:34:20.3							
CLZ	e	PKPdf	Z 11:34:11.7	126.7	45.3					
TANN	e	PKPdf	Z 11:34:11.1	126.7	48.4					
GUNZ	e	PKPdf	Z 11:34:11.8	126.8	48.3					
WERN	e	PKPdf	Z 11:34:11.8	126.8	48.4					
MOX	e	PKPdf	Z 11:34:11.8	127.0	47.4					
GEC2	e	PKPdf	Z 11:34:12.2	127.1	50.7					
MANZ	e	PKPdf	Z 11:34:12.4	127.2	48.3					
	e	pPKPdf	Z 11:34:22.6							
ROTZ	e	PKPdf	Z 11:34:11.8	127.3	48.5					
WET	e	PKPdf	Z 11:34:12.7	127.4	49.6					
	e	pPKPdf	Z 11:34:22.8							
GRA1	e	PKPdf	Z 11:34:13.7	127.8	47.5					
	e	pPKPdf	Z 11:34:25.1							
	e	L	Z 12:31:04.2			20.9	405		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/10	21:54:52.2	47.459N	154.077E	41.7	5.0	4.6		SZGRF
Kuril Islands, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e	P	Z 22:06:31.4	75.4	24.3	0.8	6	4.8		
CLL	e	P	Z 22:06:32.7	75.7	26.0	0.9	23	5.3		
	e	pP	Z 22:06:45.1							
BRG	e	P	Z 22:06:33.0	75.9	26.5	0.9	7	4.8		

CLZ	e P	Z	22:06:35.2	76.0	24.4	1.1	27	5.3		
FBE	e P	Z	22:06:34.4	76.0	26.2	1.1	17	5.1		
TANN	e P	Z	22:06:37.3	76.7	25.6	1.7	20	5.0		
WERD	e P	Z	22:06:38.7	76.7	25.5	1.7	22	5.0		
MOX	e P	Z	22:06:38.5	76.7	25.0					
GUNZ	e P	Z	22:06:39.0	76.8	25.5	1.5	23	5.1		
WERN	e P	Z	22:06:39.7	76.8	25.5	0.8	7	4.8		
	e pP	Z	22:06:51.9							
UBBA	e P	Z	22:06:40.6	77.0	24.0	0.8	6	4.8		
BUG	e P	Z	22:06:41.7	77.1	22.3	0.9	11	5.0		
MANZ	e P	Z	22:06:41.3	77.2	25.3	1.3	10	4.8		
ROTZ	e P	Z	22:06:42.0	77.4	25.3	1.5	16	4.9		
	e pP	Z	22:06:53.0							
GRA1	e P	Z	22:06:44.7	77.7	24.7	0.8	12	5.1		
	e pP	Z	22:06:56.8							
	e L	Z	22:44:41.3			19.9	288		4.6	
WET	e P	Z	22:06:44.6	77.7	25.7	1.2	17	5.0		
	e pP	Z	22:06:57.0							
GEC2	e P	Z	22:06:43.4	77.8	26.2	1.4	11	4.8		
WLF	e P	Z	22:06:54.1	79.0	21.5	1.1	16	5.0		
FUR	e P	Z	22:06:51.8	79.1	24.6	1.3	22	5.0		
	e pP	Z	22:07:04.4							
BFO	e P	Z	22:06:57.3	79.7	22.8	1.0	18	5.0		
	e pP	Z	22:07:07.7							

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/10

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 22:59:31.9			0.7	8	4.9		
	e PcP	Z 22:59:42.6							
	e pP	Z 22:59:47.5							

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/11 21:37:49.0 46.240N 153.284E 33.0N 5.4 4.5 ML SZGRF  
Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 21:49:27.2	75.0	25.5	0.9	35	5.4		
CLL	i P	+ Z 21:49:36.0	76.6	27.0	0.7	48	5.7		
	e pP	Z 21:49:40.5							
	e sP	Z 21:49:43.2							
	e PcP	Z 21:49:46.6							
	e (PP)	Z 21:52:35.4							
BRG	e P	Z 21:49:36.8	76.8	27.6					

CLZ	e P	Z	21:49:38.1	76.9	25.4	1.0	46	5.6	
IBBN	e P	Z	21:49:39.3	77.1	23.7	0.9	42	5.6	
TANN	e P	Z	21:49:41.8	77.6	26.6	1.0	8	4.8	
MOX	e P	Z	21:49:42.0	77.6	26.1	1.0	29	5.4	
UBBA	e P	Z	21:49:43.3	77.9	25.0	1.2	12	4.9	
BUG	e P	Z	21:49:44.3	78.0	23.3	1.0	37	5.5	
ROTZ	e P	Z	21:49:45.6	78.2	26.4	0.9	23	5.3	
GRA1	e P	Z	21:49:47.8	78.6	25.7	0.9	66	5.8	
	e L	Z	22:27:51.1			19.3	219		4.5
WET	e P	Z	21:49:47.8	78.6	26.7	0.9	30	5.4	
GEC2	e P	Z	21:49:47.2	78.6	27.2	0.9	15	5.1	
FUR	e P	Z	21:49:55.3	79.9	25.6	1.0	49	5.5	
STU	e P	Z	21:49:55.0	80.0	24.3	1.1	40	5.3	
BFO	e P	Z	21:49:58.2	80.6	23.7	1.2	35	5.2	

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/12 04:38:24.4 7.400S 156.100E 10.0  
 Bougainville - Solomon Islands region NEIC

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	04:57:26.7	125.9	43.5					
BRG	e PKPbc	Z	04:57:26.4	126.4	49.1					
CLL	e PKPbc	Z	04:57:28.7	126.6	47.9					
CLZ	e PKPbc	Z	04:57:30.1	127.4	44.7					
TANN	e PKPbc	Z	04:57:30.2	127.5	47.8					
GUNZ	e PKPbc	Z	04:57:30.2	127.6	47.7					
WERN	e PKPbc	Z	04:57:29.7	127.6	47.8					
GEC2	e PKPbc	Z	04:57:30.6	127.9	50.1					
MANZ	e PKPbc	Z	04:57:31.0	127.9	47.6					
WET	e PKPbc	Z	04:57:30.6	128.1	49.0					
GRA1	e PKPbc	Z	04:57:31.8	128.5	46.8					
STU	e PKPbc	Z	04:57:35.7	130.1	45.1					

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/12 11:31: 5.1 5.500S 146.100E 53.0  
 Eastern New Guinea, Papua New Guinea, region NEIC

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z	11:49:49.7			0.7	6			
	e PP	Z	11:51:14.6							
	e SKSac	Z	11:56:40.4							
	e PS	E	12:01:01.8							
	e SS	N	12:07:40.2							
	e SSS	E	12:12:05.0							
	e LR	Z	12:29:35.4							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

39

GRA1 e PKKP Z 11:59:52.5 121.8 56.1

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/12 13:01:52.1 21.680S 174.130W 33.0N  
Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	13:21:32.8	147.6	7.7					
CLZ	e PKPbc	Z	13:21:38.8	149.6	8.3					
CLL	e PKPbc	Z	13:21:38.8	149.9	13.3					
BRG	e PKPbc	Z	13:21:39.6	150.1	15.2					
FBE	e PKPbc	Z	13:21:40.1	150.2	14.1					
BUG	e PKPbc	Z	13:21:39.9	150.2	2.6					
UBBA	e PKPbc	Z	13:21:40.8	150.7	7.9					
MOX	e PKPbc	Z	13:21:40.9	150.7	11.0					
WERD	e PKPbc	Z	13:21:41.2	150.8	12.3					
TANN	e PKPbc	Z	13:21:41.4	150.8	12.6					
GUNZ	e PKPbc	Z	13:21:41.9	150.9	12.4					
WERN	e PKPbc	Z	13:21:41.9	150.9	12.5					
MANZ	e PKPbc	Z	13:21:42.8	151.3	12.1					
ROTZ	e PKPbc	Z	13:21:43.1	151.5	12.4					
GRA1	e PKPbc	Z	13:21:44.1	151.7	10.5					
WET	e PKPbc	Z	13:21:44.2	152.0	14.0					
WLF	e PKPbc	Z	13:21:44.3	152.0	0.6					
GEC2	e PKPbc	Z	13:21:44.4	152.1	15.7					
STU	e PKPbc	Z	13:21:46.5	152.8	6.8					
FUR	e PKPbc	Z	13:21:46.9	153.2	11.2					
BFO	e PKPbc	Z	13:21:47.1	153.3	5.1					

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/12 20:16: 5.4 19.530S 178.410W 33.0N  
Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	20:35:37.5	144.9	14.4					
IBBN	e PKPbc	Z	20:35:44.3	146.9	10.7					
CLZ	e PKPbc	Z	20:35:44.4	147.0	15.3					
CLL	e PKPbc	Z	20:35:44.2	147.0	20.0					
BRG	e PKPbc	Z	20:35:44.8	147.2	21.8					
FBE	e PKPbc	Z	20:35:45.2	147.3	20.8					
NEUB	e PKPbc	Z	20:35:45.3	147.3	18.0					
MOX	e PKPbc	Z	20:35:46.7	147.9	18.0					
TANN	e PKPbc	Z	20:35:47.1	147.9	19.6					
WERD	e PKPbc	Z	20:35:47.1	147.9	19.3					
GUNZ	e PKPbc	Z	20:35:47.3	148.0	19.4					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

40

ROTZ	e	PKPbc	Z	20:35:48.9	148.6	19.5
GRA1	e	PKPbc	Z	20:35:49.9	148.9	17.8
GEC2	e	PKPbc	Z	20:35:50.2	149.1	22.7
WLF	e	PKPbc	Z	20:35:51.8	149.6	8.5
BFO	e	PKPbc	Z	20:35:53.8	150.7	13.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/12	23:51:30.5	47.402N	153.483E	33.0N	4.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:03:23.6	77.6	25.1	0.9	4	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/13	03:11:51.4	9.940N	81.620W	33.0N	4.9			SZGRF

Panama

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 03:24:02.1	81.0	274.8	1.3	20	5.0		
CLZ	e P	Z 03:24:15.2	83.4	277.7	1.1	11	5.0		
GRA1	e P	Z 03:24:19.8	84.3	278.6	1.1	5	4.7		
MOX	e P	Z 03:24:19.6	84.4	278.8	1.4	6	4.6		
NEUB	e P	Z 03:24:19.5	84.4	278.9					
WERD	e P	Z 03:24:22.3	84.8	279.4					
GUNZ	e P	Z 03:24:21.5	84.9	279.4					
ROTZ	e P	Z 03:24:23.3	84.9	279.3	2.0	22	5.0		
WERN	e P	Z 03:24:23.0	84.9	279.4					
TANN	e P	Z 03:24:23.2	84.9	279.5	1.1	8	4.9		
CLL	e P	Z 03:24:23.4	85.1	279.8	1.2	8	4.8		
FBE	e P	Z 03:24:25.2	85.4	280.1					
WET	e P	Z 03:24:24.8	85.4	279.9	1.4	17	5.1		
GEC2	e P	Z 03:24:27.8	86.0	280.5	1.4	8	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/13	03:36:14.1	22.500S	178.500W	617.4				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 03:54:50.0	147.9	15.4					
IBBN	e PKPbc	Z 03:54:55.6	149.8	11.6					
	e pPKPbc	Z 03:57:16.7							
CLL	e PKPdf	Z 03:54:50.7	149.8	21.5					
	e PKPbc	Z 03:54:55.3			1.1	30			



	e	PKPab	Z	03:55:01.4		
	e	pPKPpdf	Z	03:57:14.6		
CLZ	e	PKPbc	Z	03:54:55.9	149.9	16.5
	e	pPKPbc	Z	03:57:17.3		
BRG	e	PKPbc	Z	03:54:56.1	150.0	23.5
BUG	e	PKPbc	Z	03:54:57.1	150.7	10.9
MOX	e	PKPbc	Z	03:54:57.3	150.8	19.4
TANN	e	PKPbc	Z	03:54:57.9	150.8	21.1
UBBA	e	PKPbc	Z	03:54:58.1	150.9	16.3
ROTZ	e	PKPbc	Z	03:54:59.0	151.5	21.1
	e	pPKPbc	Z	03:57:19.4		
GRA1	e	PKPbc	Z	03:55:00.3	151.8	19.2
WET	e	PKPbc	Z	03:54:59.8	151.9	22.7
GEC2	e	PKPbc	Z	03:55:00.5	151.9	24.5
WLF	e	PKPbc	Z	03:55:02.1	152.6	9.4
	e	pPKPbc	Z	03:57:21.2		
STU	e	PKPbc	Z	03:55:03.0	153.0	15.8
FUR	e	PKPbc	Z	03:55:03.0	153.2	20.3
BFO	e	PKPbc	Z	03:55:03.7	153.6	14.3
	e	pPKPbc	Z	03:57:24.6		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/13 06:50:57.0 22.760S 178.770W 33.0G  
 South of Fiji Islands SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e	PKPbc	Z	07:10:44.2	150.0	22.1			
	e	PKPab	Z	07:10:50.4					
IBBN	e	PKPbc	Z	07:10:44.6	150.0	12.1			
	e	PKPab	Z	07:10:49.7					
CLZ	e	PKPbc	Z	07:10:44.4	150.1	17.1			
BRG	e	PKPbc	Z	07:10:45.0	150.2	24.1			
BUG	e	PKPbc	Z	07:10:46.4	150.9	11.5			
MOX	e	PKPbc	Z	07:10:46.6	151.0	20.0			
TANN	e	PKPbc	Z	07:10:46.7	151.0	21.7			
UBBA	e	PKPbc	Z	07:10:46.4	151.1	16.9			
ROTZ	e	PKPbc	Z	07:10:48.4	151.6	21.7			
GRA1	e	PKPbc	Z	07:10:49.0	151.9	19.9			
	e	PKPab	Z	07:10:58.1					
WET	e	PKPbc	Z	07:10:49.4	152.1	23.4			
GEC2	e	PKPbc	Z	07:10:49.1	152.1	25.2			
WLF	e	PKPbc	Z	07:10:51.6	152.8	10.0			
FUR	e	PKPab	Z	07:11:02.9	153.4	21.0			
BFO	e	PKPbc	Z	07:10:53.1	153.8	15.0			
	e	PKPab	Z	07:11:06.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/13	11:25:26.7	21.970S	178.490W	679.6				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPdf	Z	11:45:09.1	149.3	11.4					
	e PKPbc	Z	11:45:12.0							
CLL	e PKPdf	Z	11:45:08.6	149.3	21.2					
	i PKPbc	Z	11:45:12.2			0.6	235			
	e PKiKP	Z	11:45:13.6							
	e PKPab	Z	11:45:15.4							
	e pPKPdf	Z	11:47:41.5							
	e pPKPbc	Z	11:47:43.3							
	e PP	Z	11:48:48.2							
	e SS	E	12:06:50.0							
	e SSS	E	12:12:28.7							
	e SSSS	E	12:16:48.2							
CLZ	e PKPdf	Z	11:45:09.0	149.4	16.3					
	e PKPbc	Z	11:45:12.5							
	e pPKPbc	Z	11:47:43.8							
BRG	e PKPdf	Z	11:45:09.1	149.5	23.2					
	e PKPbc	Z	11:45:12.7							
	e pPKPbc	Z	11:47:42.7							
BUG	e PKPdf	Z	11:45:09.7	150.2	10.8					
	e PKPbc	Z	11:45:14.0							
MOX	e PKPdf	Z	11:45:09.8	150.3	19.1					
	e PKPbc	Z	11:45:14.5							
	e pPKPbc	Z	11:47:48.0							
TANN	e PKPdf	Z	11:45:10.4	150.3	20.8					
	e PKPbc	Z	11:45:14.8							
UBBA	e PKPdf	Z	11:45:10.0	150.4	16.1					
	e PKPbc	Z	11:45:14.4							
	e PKPab	Z	11:45:19.4							
ROTZ	e PKPbc	Z	11:45:16.4	151.0	20.8					
GRA1	e PKPdf	Z	11:45:12.0	151.2	19.0					
	e PKPbc	Z	11:45:17.2							
	e PKPab	Z	11:45:23.5							
	e pPKPbc	Z	11:47:48.0							
	e PKPdf	Z	11:45:12.0	151.4	22.4					
WET	e PKPbc	Z	11:45:17.4							
	e PKPab	Z	11:45:24.6							
	e PKPdf	Z	11:45:12.0	151.4	24.2					
GEC2	e PKPbc	Z	11:45:17.5							
	e pPKPbc	Z	11:47:51.0							
	e PKPdf	Z	11:45:13.7	152.1	9.2					
WLF	e PKPbc	Z	11:45:19.6							
	e PKPab	Z	11:45:28.1							
	e PKPdf	Z	11:45:14.2	152.5	15.6					
STU	e PKPdf	Z	11:45:14.2	152.5	15.6					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

43

	e	PKPbc	Z	11:45:20.1					
	e	PKPab	Z	11:45:28.7					
FUR	e	PKPdf	Z	11:45:14.0	152.7	20.0			
	e	PKPbc	Z	11:45:20.4					
	e	PKPab	Z	11:45:29.9					
BFO	e	PKPdf	Z	11:45:13.6	153.1	14.1			
	e	PKPbc	Z	11:45:21.2					
	e	PKPab	Z	11:45:31.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/13	12:54:33.5	54.730N	161.088W	33.0N	4.8			SZGRF
Alaska Peninsula, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:05:49.1	71.1	354.8	1.5	27	5.2		
IBBN	e P	Z 13:05:58.1	72.6	353.3	1.5	44	5.4		
CLZ	e P	Z 13:06:01.2	73.2	354.9	1.7	28	5.0		
BUG	e P	Z 13:06:02.5	73.4	353.0	0.8	10	4.9		
CLL	e P	Z 13:06:04.7	73.8	356.5	1.5	15	4.8		
BRG	e P	Z 13:06:07.4	74.3	357.0	0.9	6	4.6		
MOX	e P	Z 13:06:08.1	74.4	355.6	0.9	10	4.9		
TANN	e P	Z 13:06:10.1	74.7	356.1	1.0	4	4.4		
ROTZ	e P	Z 13:06:13.4	75.4	356.0	1.2	8	4.7		
GRA1	e P	Z 13:06:14.3	75.4	355.4	0.8	9	4.9		
WET	e P	Z 13:06:17.5	76.0	356.4	1.1	5	4.6		
GEC2	e P	Z 13:06:19.3	76.3	356.9	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 13:45:50.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/14	04:06:21.9	26.760S	180.010W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 04:26:13.2	151.8	19.8					
	e PKPab	Z 04:26:22.7							
RUE	e PKPbc	Z 04:26:14.6	152.3	27.2					
CLL	e PKPdf	Z 04:26:09.6	153.5	26.8					
	i PKPbc	Z 04:26:17.1			0.8	32			

	e	PKPab	Z	04:26:30.0				
	e	pPKPbc	Z	04:28:20.4				
BRG	e	PKPbc	Z	04:26:17.6	153.7	29.0		
	e	PKPab	Z	04:26:30.9				
CLZ	e	PKPbc	Z	04:26:17.9	153.7	21.3		
	e	PKPab	Z	04:26:31.2				
FBE	e	PKPbc	Z	04:26:18.1	153.8	27.9		
	e	PKPab	Z	04:26:31.5				
IBBN	e	PKPab	Z	04:26:31.1	153.8	15.9		
WERD	e	PKPbc	Z	04:26:19.5	154.5	26.3		
	e	PKPab	Z	04:26:34.6				
MOX	e	PKPab	Z	04:26:34.2	154.5	24.7		
GUNZ	e	PKPab	Z	04:26:35.1	154.6	26.4		
WERN	e	PKPab	Z	04:26:35.4	154.6	26.6		
MANZ	e	PKPbc	Z	04:26:20.4	155.0	26.3		
ROTZ	e	PKPab	Z	04:26:37.6	155.1	26.7		
GEC2	e	PKPab	Z	04:26:38.7	155.5	30.7		
GRA1	e	PKPab	Z	04:26:39.2	155.5	24.8		
WET	e	PKPab	Z	04:26:39.2	155.5	28.7		
FUR	e	PKPab	Z	04:26:45.1	156.9	26.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/14	09:31:47.6	1.320N	95.970E	33.0N	5.4	5.0		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	09:44:14.8	83.9	95.0	1.2	39	5.5		
	e L	Z	10:32:04.5			18.6	634		5.0	
BRG	e P	Z	09:44:14.8	84.0	95.4	1.2	16	5.1		
	e L	Z	10:32:29.3			19.3	563		5.0	
RUE	e P	Z	09:44:16.2	84.2	95.4	1.5	102	5.8		
	e L	Z	10:30:21.7			20.0	623		5.0	
FBE	e P	Z	09:44:16.6	84.3	94.9	1.1	24	5.3		
WET	e P	Z	09:44:17.4	84.5	94.4	1.1	24	5.3		
	e L	Z	10:28:51.8			21.4	563		4.9	
CLL	e P	Z	09:44:17.5	84.6	94.7	1.1	17	5.2		
	e L	Z	10:31:00.8			18.9	599		5.0	
RGN	e L	Z	10:29:15.1	84.7	95.2	22.0	622		5.0	
WERN	e P	Z	09:44:19.6	84.9	94.1	1.2	15	5.1		
GUNZ	e P	Z	09:44:19.9	84.9	94.1	1.2	20	5.2		
WERD	e P	Z	09:44:19.6	85.0	94.1	1.1	13	5.1		
ROTZ	e P	Z	09:44:20.2	85.0	93.9	1.2	26	5.3		
	e L	Z	10:30:00.1			21.0	435		4.8	
MANZ	e P	Z	09:44:20.7	85.0	93.9	1.1	29	5.4		
	e L	Z	10:29:01.0			20.7	839		5.1	
MOX	e P	Z	09:44:21.9	85.4	93.5	1.3	18	5.1		
	e L	Z	10:31:32.2			19.5	722		5.1	

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

45

FUR	e P	Z	09:44:22.0	85.5	93.1	1.4	40	5.5		
	e L	Z	10:31:19.2			18.1	720		5.1	
GRA1	e P	Z	09:44:23.4	85.6	93.2	1.3	37	5.3		
	e L	Z	10:29:30.2			21.8	672		5.0	
GRFO	e L	Z	10:29:30.2	85.6	93.2	21.9	638		5.0	
CLZ	e P	Z	09:44:26.1	86.2	92.6	1.2	31	5.3		
	e L	Z	10:29:53.2			20.8	673		5.0	
BSEG	e P	Z	09:44:26.7	86.4	92.7	1.1	36	5.4		
	e L	Z	10:28:54.8			20.4	687		5.0	
UBBA	e L	Z	10:31:40.5	86.4	92.3	20.5	509		4.9	
NRDL	e P	Z	09:44:27.3	86.4	92.5	1.6	73	5.6		
	e L	Z	10:29:11.3			21.7	627		5.0	
STU	e L	Z	10:30:26.6	86.9	91.6	20.8	798		5.1	
BFO	e P	Z	09:44:31.6	87.4	90.9	0.9	8	4.8		
	e L	Z	10:30:35.2			22.0	418		4.8	
HLG	e L	Z	10:33:40.6	87.8	90.8	20.2	436		4.9	
IBBN	e P	Z	09:44:34.1	87.9	90.6	1.2	81	5.9		
	e L	Z	10:30:07.3			21.2	724		5.1	
BUG	e P	Z	09:44:35.4	88.2	90.2	1.0	39	5.7		
	e L	Z	10:32:49.0			18.9	535		5.0	
WLF	e P	Z	09:44:39.4	88.9	89.3	1.5	47	5.5		
	e L	Z	10:33:34.3			18.6	742		5.1	

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/15 01:14:56.9 55.100S 128.300W 10.0 5.3 NEIC  
 Pacific-Antarctic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 01:34:59.8	155.1	241.9					
	e L	Z 02:54:29.0			20.3	487		5.3	

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/15 03:29:19.3 21.439S 176.820W 33.0N SZGRF  
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 03:48:59.1	147.1	12.3					
CLZ	e PKPbc	Z 03:49:04.8	149.1	13.1					
CLL	e PKPbc	Z 03:49:04.8	149.2	18.0					
BRG	e PKPbc	Z 03:49:05.4	149.4	20.0					
FBE	e PKPbc	Z 03:49:05.7	149.5	18.9					
NEUB	e PKPbc	Z 03:49:05.4	149.5	15.9					
MOX	e PKPbc	Z 03:49:07.0	150.1	15.9					
WERD	e PKPbc	Z 03:49:07.5	150.1	17.2					
GUNZ	e PKPbc	Z 03:49:07.4	150.2	17.3					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

46

WERN	e	PKPbc	Z	03:49:08.1	150.3	17.4
MANZ	e	PKPbc	Z	03:49:08.4	150.6	17.1
ROTZ	e	PKPbc	Z	03:49:08.8	150.8	17.4
GRA1	e	PKPbc	Z	03:49:08.9	151.0	15.6
GEC2	e	PKPbc	Z	03:49:09.7	151.3	20.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/15	11:22:18.5	47.320N	154.790E	26.8	5.6	5.0		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 11:33:48.6	73.1	26.2	1.1	166	6.1		
BSEG	e P	Z 11:33:55.4	74.4	24.1	0.9	49	5.5		
RUE	e P	Z 11:33:58.3	74.8	26.2	0.9	91	5.8		
CLL	e P	Z 11:34:04.6	76.1	25.6	1.0	118	6.0		
BRG	e P	Z 11:34:05.5	76.2	26.2	1.1	40	5.5		
CLZ	e P	Z 11:34:06.7	76.3	24.0	1.0	79	5.8		
FBE	e P	Z 11:34:06.3	76.3	25.8	1.0	69	5.7		
IBBN	e P	Z 11:34:07.4	76.5	22.3	1.0	72	5.8		
WERD	e P	Z 11:34:10.6	77.0	25.1	1.0	38	5.5		
MOX	e P	Z 11:34:10.6	77.0	24.6	0.9	44	5.6		
GUNZ	e P	Z 11:34:11.0	77.1	25.1	0.9	39	5.5		
WERN	e P	Z 11:34:11.3	77.2	25.1	0.9	56	5.7		
UBBA	e P	Z 11:34:11.9	77.3	23.6	1.2	33	5.3		
BUG	e P	Z 11:34:12.5	77.4	21.9	1.1	52	5.6		
MANZ	e P	Z 11:34:13.3	77.5	24.9	1.0	36	5.5		
ROTZ	e P	Z 11:34:14.5	77.7	24.9	0.9	47	5.6		
GRA1	e P	Z 11:34:16.6	78.0	24.3	0.9	98	5.9		
	e pP	Z 11:34:24.3							
	e S	E 11:44:05.6							
	e L	Z 12:11:57.0			20.9	841		5.0	
WET	e P	Z 11:34:16.8	78.1	25.3	1.0	65	5.7		
GEC2	e P	Z 11:34:16.5	78.1	25.8	0.9	23	5.3		
STU	e P	Z 11:34:23.8	79.4	22.9	1.2	50	5.3		
FUR	e P	Z 11:34:24.0	79.4	24.2	0.9	76	5.6		
BFO	e P	Z 11:34:27.2	80.0	22.4	1.0	40	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/15	11:27:17.9	25.991N	140.360E	379.0	5.2			SZGRF

Volcano Islands, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 11:39:30.8	89.2	43.5	1.1	21	5.4		
BRG	e P	Z 11:39:33.7	89.8	46.3	2.5	59	5.6		
CLL	e P	Z 11:39:34.4	89.9	45.6	0.8	7	5.2		

FBE	e P	Z	11:39:35.0	90.0	45.9	1.1	16	5.4
CLZ	e P	Z	11:39:37.2	90.7	43.5	0.7	8	5.2
WERD	e P	Z	11:39:38.6	90.9	45.1	1.0	9	5.0
GUNZ	e P	Z	11:39:39.1	90.9	45.1	0.9	10	5.1
WERN	e P	Z	11:39:39.2	90.9	45.1	1.4	19	5.2
MOX	e P	Z	11:39:38.7	91.0	44.5	0.6	5	5.0
MANZ	e P	Z	11:39:40.9	91.3	44.9	1.0	8	5.0
GEC2	e P	Z	11:39:40.6	91.3	46.2	0.9	10	5.1
ROTZ	e P	Z	11:39:41.5	91.4	45.0	1.0	11	5.1
IBBN	e P	Z	11:39:41.0	91.4	41.4	0.7	18	5.5
WET	e P	Z	11:39:42.2	91.5	45.5	0.6	4	4.9
GRA1	e P	Z	11:39:43.9	91.9	44.2	1.2	22	5.5
BFO	e P	Z	11:39:53.2	94.2	42.0	1.2	13	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 13:00:21.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/15	15:58:38.3	20.500N	122.100E	2.0	4.8	4.4		NEIC
Philippine Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 16:11:14.7	85.0	63.3	1.3	9	4.9		
FBE	e P	Z 16:11:17.3	85.3	62.9	1.2	16	5.1		
CLL	e P	Z 16:11:16.3	85.3	62.6	0.9	7	4.9		
TANN	e P	Z 16:11:20.1	86.0	62.2	1.2	6	4.6		
GEC2	e P	Z 16:11:20.7	86.0	63.0	1.8	12	4.7		
GUNZ	e P	Z 16:11:21.2	86.1	62.1	1.0	6	4.7		
WERN	e P	Z 16:11:21.6	86.1	62.1	1.1	7	4.7		
MOX	e P	Z 16:11:23.4	86.4	61.5	1.6	12	4.8		
GRA1	e L	Z 16:45:18.2	87.1	61.2	21.6	157		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/15	17:42:42.9	46.261N	154.579E	20.1	5.3	4.1		SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 17:54:24.6	75.3	24.7	0.8	18	5.2		
CLL	e P	Z 17:54:33.8	77.0	26.2	0.9	52	5.6		
BRG	e P	Z 17:54:34.5	77.1	26.7	0.9	22	5.3		

CLZ	e P	Z	17:54:35.7	77.2	24.5	1.2	47	5.5		
TANN	e P	Z	17:54:39.5	77.9	25.7	1.5	26	5.1		
MOX	e P	Z	17:54:39.6	78.0	25.2	1.1	27	5.3		
UBBA	e P	Z	17:54:41.2	78.2	24.2	1.9	52	5.2		
BUG	e P	Z	17:54:41.6	78.3	22.4	1.1	28	5.2		
MANZ	e P	Z	17:54:42.3	78.4	25.5	1.0	22	5.1		
ROTZ	e P	Z	17:54:43.5	78.6	25.5	0.9	27	5.3		
GRA1	e P	Z	17:54:45.6	78.9	24.9	0.9	63	5.7		
	e pP	Z	17:54:51.1							
	e sP	Z	17:54:53.6							
	e L	Z	18:32:25.8			21.3	90		4.1	
WET	e P	Z	17:54:45.8	79.0	25.9	1.0	40	5.4		
GEC2	e P	Z	17:54:45.2	79.0	26.4	1.1	19	5.0		
WLF	e P	Z	17:54:53.9	80.2	21.5	1.2	31	5.2		
FUR	e P	Z	17:54:53.1	80.3	24.8	0.9	63	5.6		
STU	e P	Z	17:54:52.7	80.3	23.5	1.0	36	5.4		
BFO	e P	Z	17:54:56.0	80.9	22.9	0.9	22	5.2		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/15 18:35:10.0 1.716N 95.884E 33.0N 4.7  
 Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:47:43.7	85.2	93.0	0.8	4	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/15 19:20:13.7 51.666N 175.931E 33.0N 4.7  
 Rat Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 19:31:56.5	75.8	9.2	1.0	10	4.9		
CLL	e P	Z 19:31:56.9	76.0	10.8	0.9	5	4.7		
NEUB	e P	Z 19:31:59.3	76.3	10.0	0.8	10	5.0		
BRG	e P	Z 19:31:59.0	76.3	11.4	1.0	5	4.6		
FBE	e P	Z 19:31:59.6	76.4	11.0	1.5	16	4.9		
PST	e P	Z 19:32:00.9	76.5	10.3	0.8	5	4.7		
MOX	e P	Z 19:32:02.0	76.8	9.9	0.9	6	4.7		
WERN	e P	Z 19:32:03.7	77.1	10.4	1.0	5	4.6		
GRA1	e P	Z 19:32:08.1	77.8	9.6	0.9	7	4.8		
WET	e P	Z 19:32:10.1	78.2	10.6	1.4	10	4.6		
GEC2	e P	Z 19:32:10.2	78.4	11.1	1.2	8	4.6		
BFO	e P	Z 19:32:16.3	79.4	7.8	1.0	10	4.7		



./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

49

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	00:19:39.7	31.386N	55.214E	33.0N	3.9			SZGRF

Northern and central Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:26:49.9	37.4	102.5	1.0	3	3.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	00:27:23.9	27.018N	57.881E	33.0N	4.1			SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:35:13.1	42.1	104.9	1.1	5	4.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	04:13:55.9	47.406N	152.532E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:25:47.6	77.3	25.7	0.9	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	05:18: 4.0	22.680S	179.010W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 05:37:45.1	148.0	16.4					
CLL	e PKPbc	Z 05:37:50.7	149.9	22.5					
CLZ	e PKPbc	Z 05:37:51.0	150.0	17.5					
BRG	e PKPbc	Z 05:37:51.4	150.1	24.5					
FBE	e PKPbc	Z 05:37:51.8	150.2	23.4					
	e PKPab	Z 05:37:57.4							
MOX	e PKPbc	Z 05:37:53.1	150.8	20.4					
TANN	e PKPbc	Z 05:37:53.2	150.9	22.1					
WERD	e PKPbc	Z 05:37:53.2	150.9	21.8					
GUNZ	e PKPbc	Z 05:37:53.5	150.9	21.9					
	e PKPab	Z 05:38:00.8							
WERN	e PKPbc	Z 05:37:53.6	151.0	22.1					
	e PKPab	Z 05:38:01.2							
MANZ	e PKPbc	Z 05:37:54.4	151.3	21.8					
GRA1	e PKPbc	Z 05:37:55.7	151.8	20.3					
GEC2	e PKPbc	Z 05:37:55.9	152.0	25.6					
WLF	e PKPbc	Z 05:37:58.0	152.7	10.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	08:56:16.4	20.740N	101.230E	33.0N	6.0	6.2		SZGRF

Laos

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	09:07:38.6	72.0	79.2	1.3	191	6.1		
	e S	T	09:16:59.8							
RUE	e P	Z	09:07:39.0	72.2	78.9	1.3	366	6.4		
	e S	T	09:16:58.9							
BRG	e P	Z	09:07:40.3	72.4	78.6	1.3	143	5.9		
	e S	T	09:17:02.5							
FBE	e P	Z	09:07:42.7	72.7	78.1	1.3	307	6.3		
CLL	e P	Z	09:07:42.9	72.9	78.0	1.2	108	5.9		
	e S	T	09:17:07.3							
GEC2	e P	Z	09:07:43.7	73.0	77.8	1.3	163	6.0		
	e S	T	09:17:09.3							
TANN	e P	Z	09:07:46.3	73.4	77.3	1.2	101	5.7		
	e S	T	09:17:15.1							
WET	e P	Z	09:07:46.5	73.4	77.3	1.3	144	5.9		
	e S	T	09:17:15.7							
PST	e P	Z	09:07:46.2	73.4	77.3	1.1	110	5.8		
WERN	e P	Z	09:07:46.7	73.5	77.2	1.3	140	5.8		
WERD	e P	Z	09:07:46.6	73.5	77.2	1.2	102	5.7		
GUNZ	e P	Z	09:07:46.8	73.5	77.2	1.2	158	5.9		
ROTZ	e P	Z	09:07:48.4	73.7	77.0	1.2	234	6.1		
	e S	T	09:17:19.2							
MANZ	e P	Z	09:07:48.5	73.7	77.0	1.4	128	5.8		
	e S	T	09:17:19.2							
MOX	e P	Z	09:07:49.1	73.9	76.8	1.3	155	5.9		
	e S	T	09:17:19.9							
BSEG	e P	Z	09:07:49.8	73.9	76.7	1.3	181	5.9		
	e S	T	09:17:21.3							
GRA1	e P	Z	09:07:52.2	74.3	76.2	1.3	238	6.0		
	e S	T	09:17:26.6							
GRFO	e L	Z	09:42:30.6			20.8	13409		6.2	
	e P	Z	09:07:52.2	74.3	76.2					
CLZ	e S	T	09:17:26.9							
	e P	Z	09:07:52.2	74.3	76.2	1.3	214	6.0		
FUR	e S	T	09:17:24.8							
	e P	Z	09:07:53.7	74.7	75.9	1.3	283	6.1		
UBBA	e S	T	09:17:28.0							
	e P	Z	09:07:54.4	74.8	75.6	1.4	99	5.7		
HLG	e S	T	09:17:30.1							
	e S	T	09:17:35.5	75.2	74.9					
STU	e P	Z	09:08:00.6	75.9	74.5	1.2	283	6.3		
	e S	T	09:17:42.2							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

51

BUG	e P	Z	09:08:03.4	76.3	73.8	1.4	156	6.0
	e S	T	09:17:48.1					
BFO	e P	Z	09:08:04.0	76.5	73.8	1.3	105	5.8
	e S	T	09:17:48.9					
WLF	e P	Z	09:08:10.5	77.5	72.6	1.2	313	6.3
	e S	T	09:18:01.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	09:24:43.9	39.872N	75.526E	33.0N	4.4			SZGRF

Southern Xinjiang, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:32:58.4	45.2	76.9	0.9	5	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	10:17:55.3	50.500N	155.500E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 10:29:15.5	71.6	22.5	0.9	23	5.3		
CLL	e P	Z 10:29:25.5	73.3	23.8	1.1	32	5.3		
CLZ	e P	Z 10:29:27.5	73.5	22.3	1.2	43	5.3		
BRG	e P	Z 10:29:26.5	73.5	24.4	1.5	28	5.1		
FBE	e P	Z 10:29:27.8	73.6	24.0	1.3	32	5.2		
PST	e P	Z 10:29:29.4	73.9	23.3	0.8	15	5.1		
TANN	e P	Z 10:29:31.6	74.3	23.4	1.2	11	4.8		
MOX	e P	Z 10:29:31.6	74.3	22.9	1.5	37	5.2		
WERD	e P	Z 10:29:31.6	74.3	23.3	1.5	30	5.1		
GUNZ	e P	Z 10:29:32.1	74.4	23.3	1.7	36	5.1		
WERN	e P	Z 10:29:32.5	74.4	23.3	0.9	15	5.0		
UBBA	e P	Z 10:29:32.8	74.5	22.0	1.1	17	5.0		
BUG	e P	Z 10:29:33.2	74.6	20.3	1.2	37	5.3		
MANZ	e P	Z 10:29:34.3	74.8	23.1	1.0	12	4.9		
ROTZ	e P	Z 10:29:35.7	74.9	23.2	1.2	20	5.1		
GRA1	e P	Z 10:29:37.7	75.3	22.6	0.9	43	5.6		
WET	e P	Z 10:29:38.0	75.3	23.5	1.7	80	5.6		
GEC2	e P	Z 10:29:37.8	75.4	24.0	1.3	15	5.0		
STU	e P	Z 10:29:44.8	76.6	21.3	1.1	33	5.4		
FUR	e P	Z 10:29:45.2	76.7	22.5	0.9	39	5.6		
BFO	e P	Z 10:29:48.1	77.2	20.7	1.5	51	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	23:48:10.4	34.037N	82.994E	10.4	4.8			SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:57:31.2	53.5	78.2	1.1	10	4.8		
	e pP	Z 23:57:34.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/16	23:58:33.4	6.900S	155.800E	10.0		5.3		NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z 00:17:33.1	124.9	48.1					
BSEG	e PKPdf	Z 00:17:34.1	125.4	43.6					
BRG	e PKPdf	Z 00:17:35.0	125.9	49.2					
CLL	e PKPdf	Z 00:17:35.1	126.0	47.9					
FBE	e PKPdf	Z 00:17:36.2	126.1	48.5					
CLZ	e PKPdf	Z 00:17:37.2	126.8	44.7					
TANN	e PKPdf	Z 00:17:37.1	126.9	47.8					
WERD	e PKPdf	Z 00:17:37.1	126.9	47.6					
GUNZ	e PKPdf	Z 00:17:37.5	127.0	47.7					
WERN	e PKPdf	Z 00:17:37.5	127.0	47.8					
MOX	e PKPdf	Z 00:17:37.3	127.1	46.8					
GEC2	e PKPdf	Z 00:17:37.8	127.3	50.1					
MANZ	e PKPdf	Z 00:17:38.0	127.3	47.7					
ROTZ	e PKPdf	Z 00:17:38.0	127.4	47.9					
WET	e PKPdf	Z 00:17:38.4	127.5	49.0					
UBBA	e PKPdf	Z 00:17:38.4	127.7	44.9					
GRA1	e PKPdf	Z 00:17:39.1	127.9	46.9					
	e PP	Z 00:19:41.7							
	e L	Z 01:16:39.0			22.0	651		5.3	
BUG	e PKPdf	Z 00:17:39.9	128.4	41.4					
FUR	e PKPdf	Z 00:17:40.9	129.0	47.8					
STU	e PKPdf	Z 00:17:42.3	129.5	45.1					
WLF	e PKPdf	Z 00:17:44.4	130.2	41.1					
BFO	e PKPdf	Z 00:17:43.3	130.3	44.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/17	02:20:52.9	53.500N	169.500W	134.1	4.8			SZGRF

Fox Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 02:32:20.4	74.7	359.9	0.9	13	5.0		
	e pP	Z 02:32:53.9							
CLL	e P	Z 02:32:22.7	75.2	1.5	0.7	6	4.9		
FBE	e P	Z 02:32:26.0	75.6	1.8	0.8	9	4.9		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

53

BRG	e P	Z	02:32:25.3	75.6	2.1	0.8	7	4.8
MOX	e P	Z	02:32:27.2	75.9	0.7	0.9	8	4.9
	e pP	Z	02:33:00.1					
WERD	e P	Z	02:32:28.1	76.0	1.1	1.4	11	4.8
TANN	e P	Z	02:32:28.2	76.1	1.2	1.2	6	4.6
GUNZ	e P	Z	02:32:28.9	76.1	1.1	0.9	8	4.8
WERN	e P	Z	02:32:29.3	76.2	1.1	0.9	8	4.9
MANZ	e P	Z	02:32:31.0	76.5	1.0	1.2	6	4.6
ROTZ	e P	Z	02:32:32.1	76.7	1.0	1.0	6	4.7
GRA1	e P	Z	02:32:33.0	76.8	0.4	0.8	12	5.1
	e pP	Z	02:33:06.2					
GRFO	e P	Z	02:32:33.2	76.8	0.4	0.8	10	5.0
	e pP	Z	02:33:06.5					
WET	e P	Z	02:32:35.6	77.3	1.4	2.1	28	5.0
GEC2	e P	Z	02:32:37.1	77.6	1.9	1.0	7	4.7
STU	e P	Z	02:32:37.5	77.7	359.2	0.6	7	5.0
BFO	e P	Z	02:32:39.9	78.2	358.7	0.7	6	4.7

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/17 17:55: 9.4 21.803S 168.554E 33.0N  
 Loyalty Islands SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	18:14:41.7	144.8	43.7					
CLL	e PKPbc	Z	18:14:42.0	144.9	42.0					
CLZ	e PKPbc	Z	18:14:44.4	145.5	37.6					
TANN	e PKPbc	Z	18:14:45.2	145.8	42.0					
MOX	e PKPbc	Z	18:14:45.8	146.0	40.6					
MANZ	e PKPbc	Z	18:14:46.8	146.3	41.9					
GEC2	e PKPbc	Z	18:14:47.0	146.4	45.5					
ROTZ	e PKPbc	Z	18:14:47.4	146.4	42.3					
UBBA	e PKPbc	Z	18:14:47.6	146.5	38.0					
WET	e PKPbc	Z	18:14:46.7	146.6	43.9					
	e PKPab	Z	18:14:48.1							
GRA1	e PKPbc	Z	18:14:48.8	146.9	40.9					
FUR	e PKPbc	Z	18:14:51.8	148.0	42.6					
STU	e PKPbc	Z	18:14:53.0	148.4	38.7					
WLF	e PKPbc	Z	18:14:54.0	148.9	32.9					
BFO	e PKPbc	Z	18:14:54.4	149.1	37.7					

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/17 18:51:22.5 20.248S 169.915E 37.6  
 Vanuatu Islands SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
-----	-------	--	------	------	-----	------	-------	----	----	----

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

54

BRG	e	PKPbc	Z	19:10:50.7	144.0	40.6
CLL	e	PKPbc	Z	19:10:50.6	144.1	38.8
FBE	e	PKPbc	Z	19:10:52.3	144.2	39.7
CLZ	e	PKPbc	Z	19:10:53.3	144.6	34.5
TANN	e	PKPbc	Z	19:10:54.2	145.0	38.8
WERD	e	PKPbc	Z	19:10:54.3	145.0	38.6
GUNZ	e	PKPbc	Z	19:10:54.7	145.1	38.7
WERN	e	PKPbc	Z	19:10:54.8	145.1	38.8
MOX	e	PKPbc	Z	19:10:54.6	145.1	37.3
MANZ	e	PKPbc	Z	19:10:55.9	145.4	38.7
ROTZ	e	PKPbc	Z	19:10:56.4	145.6	39.0
GEC2	e	PKPbc	Z	19:10:56.1	145.6	42.1
	e	pPKPbc	Z	19:11:07.3		
GRA1	e	PKPbc	Z	19:10:57.7	146.0	37.6
STU	e	PKPbc	Z	19:11:01.7	147.6	35.3
WLF	e	PKPbc	Z	19:11:03.2	147.9	29.6
BFO	e	PKPbc	Z	19:11:03.0	148.2	34.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/17	18:54:32.9	22.531S	165.172E	33.0N				SZGRF

New Caledonia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	PKPbc	Z	19:14:01.3	143.9	49.0			
CLL	e	PKPbc	Z	19:14:01.1	144.1	47.3			
FBE	e	PKPbc	Z	19:14:02.5	144.2	48.2			
TANN	e	PKPbc	Z	19:14:04.8	144.9	47.5			
WERD	e	PKPbc	Z	19:14:04.7	145.0	47.2			
GUNZ	e	PKPbc	Z	19:14:05.2	145.0	47.3			
WERN	e	PKPbc	Z	19:14:05.4	145.1	47.5			
GEC2	e	PKPbc	Z	19:14:06.2	145.3	50.9			
MANZ	e	PKPbc	Z	19:14:06.5	145.4	47.4			
ROTZ	e	PKPbc	Z	19:14:06.8	145.5	47.8			
GRA1	e	PKPbc	Z	19:14:08.3	146.0	46.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/17	19:29:10.2	30.570S	178.218W	35.0G		5.7		NEIC

Kermadec Islands, New Zealand

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPdf	Z	19:48:58.8	155.8	18.2			
	e	PKPab	Z	19:49:26.5					
RUE	e	PKPdf	Z	19:48:59.9	156.4	26.6			
	e	PKPab	Z	19:49:28.9					
CLL	e	PKPdf	Z	19:49:01.3	157.7	26.1			

	e	PKPdif	Z	19:49:12.7				
	e	PKPab	Z	19:49:34.6				
	e	pPKPab	Z	19:49:43.9				
	e	PP	Z	19:53:12.0				
	e	PPP	Z	19:56:50.3				
	e	PPPP	Z	19:59:20.2				
	e	PSKS	N	20:03:35.9				
	e	PPS	N	20:06:32.9				
	e	SS	E	20:13:14.9				
	e	SSS	E	20:19:18.3				
	e	SSSS	N	20:23:31.4				
	e	LR	Z	20:45:35.5				
BRG	e	PKPdif	Z	19:49:01.4	157.8	28.6		
	e	PKPab	Z	19:49:35.0				
CLZ	e	PKPdif	Z	19:49:01.9	157.8	19.9		
	e	PKPab	Z	19:49:35.2				
FBE	e	PKPdif	Z	19:49:02.8	157.9	27.3		
	e	PKPab	Z	19:49:36.4				
TANN	e	PKPdif	Z	19:49:02.5	158.6	25.9		
	e	PKPab	Z	19:49:38.8				
WERD	e	PKPdif	Z	19:49:02.8	158.6	25.6		
	e	PKPab	Z	19:49:38.8				
MOX	e	PKPdif	Z	19:49:02.2	158.6	23.8		
	e	PKPab	Z	19:49:38.5				
GUNZ	e	PKPdif	Z	19:49:03.5	158.7	25.7		
	e	PKPab	Z	19:49:39.3				
BUG	e	PKPdif	Z	19:49:02.5	158.7	13.1		
	e	PKPab	Z	19:49:38.6				
WERN	e	PKPdif	Z	19:49:03.1	158.7	25.9		
	e	PKPab	Z	19:49:39.5				
UBBA	e	PKPdif	Z	19:49:02.2	158.8	19.9		
	e	PKPab	Z	19:49:03.5				
MANZ	e	PKPdif	Z	19:49:02.8	159.1	25.6		
	e	PKPab	Z	19:49:04.1				
ROTZ	e	PKPdif	Z	19:49:02.8	159.3	26.1		
	e	PKPab	Z	19:49:41.9				
GRA1	e	PKPdif	Z	19:49:04.2	159.6	23.9		
	e	PKPab	Z	19:49:43.4				
	e	PP	Z	19:53:24.3				
	e	SS	T	20:13:36.3				
	e	L	Z	21:03:17.6			20.4	1178
GEC2	e	PKPdif	Z	19:49:02.9	159.6	30.7		5.7
	e	PKPab	Z	19:49:43.0				
WET	e	PKPdif	Z	19:49:03.5	159.6	28.4		
	e	PKPab	Z	19:49:43.5				
WLF	e	PKPdif	Z	19:49:05.3	160.6	11.4		
	e	PKPab	Z	19:49:47.7				
STU	e	PKPdif	Z	19:49:05.1	160.9	19.9		
	e	PKPab	Z	19:49:48.7				

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

56

FUR	e PKPdf	Z	19:49:04.1	161.0	25.8
	e PKPab	Z	19:49:49.3		
BFO	e PKPab	Z	19:49:51.2	161.6	18.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/17	20:05:47.5	20.699S	169.088E	17.8				SZGRF

Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	20:25:17.3	144.1	42.1					
	e pPKPbc	Z	20:25:22.8							
CLL	e PKPbc	Z	20:25:16.9	144.1	40.3					
	e pPKPbc	Z	20:25:22.9							
CLZ	e PKPbc	Z	20:25:19.1	144.7	36.0					
TANN	e pPKPbc	Z	20:25:26.0	145.0	40.4					
MOX	e pPKPbc	Z	20:25:26.3	145.2	38.9					
ROTZ	e PKPbc	Z	20:25:22.4	145.6	40.6					
	e pPKPbc	Z	20:25:27.5							
GEC2	e PKPbc	Z	20:25:22.3	145.7	43.7					
WET	e PKPbc	Z	20:25:22.1	145.8	42.2					
GRA1	e PKPbc	Z	20:25:23.7	146.1	39.2					
	e pPKPbc	Z	20:25:28.5							
STU	e PKPbc	Z	20:25:28.3	147.6	36.9					
WLF	e PKPbc	Z	20:25:29.8	148.0	31.2					
	e pPKPbc	Z	20:25:34.9							
BFO	e PKPbc	Z	20:25:29.5	148.3	36.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/17	21:01:49.3	52.452N	167.014W	33.0N	4.8			SZGRF

Fox Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:13:44.0	77.8	358.9	1.1	9	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	00:13: 4.8	1.155N	96.515E	33.0N	4.4			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:25:42.6	86.1	92.8	1.0	4	4.4		



./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

57

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	00:45:18.4	19.920S	172.410W	33.0N		4.8		SZGRF

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 01:04:54.4	145.9	4.6					
CLZ	e PKPbc	Z 01:05:00.4	148.0	4.9					
CLL	e PKPbc	Z 01:05:00.9	148.3	9.7					
BUG	e PKPbc	Z 01:05:01.3	148.5	359.4					
BRG	e PKPbc	Z 01:05:02.0	148.6	11.5					
UBBA	e PKPbc	Z 01:05:03.3	149.0	4.4					
MOX	e PKPbc	Z 01:05:02.9	149.1	7.4					
TANN	e PKPbc	Z 01:05:03.9	149.3	9.0					
ROTZ	e PKPbc	Z 01:05:05.4	149.9	8.7					
GRA1	e PKPbc	Z 01:05:06.2	150.1	6.9					
	e L	Z 02:15:30.9			19.9	148		4.8	
WLF	e PKPbc	Z 01:05:06.1	150.2	357.3					
WET	e PKPbc	Z 01:05:06.3	150.5	10.1					
GEC2	e PKPbc	Z 01:05:07.3	150.7	11.8					
STU	e PKPbc	Z 01:05:09.0	151.1	3.1					
BFO	e PKPbc	Z 01:05:09.1	151.6	1.5					
FUR	e PKPbc	Z 01:05:09.6	151.6	7.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	05:54:41.9	23.200S	179.600W	400.0				GSRC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKP	Z 06:13:43.4	148.4	17.6					
RUE	e PKP	Z 06:13:44.3	149.0	24.4					
CLL	e PKPpdf	Z 06:13:42.1	150.3	23.8					
	e PKPbc	Z 06:13:47.5							
	e PKPab	Z 06:13:56.5							
	e pPKPbc	Z 06:15:56.4							
CLZ	e PKP	Z 06:13:47.9	150.3	18.8					
BRG	e PKP	Z 06:13:47.9	150.4	25.8					
	e sPKP	Z 06:16:01.0							
FBE	e PKP	Z 06:13:48.8	150.5	24.7					
	e sPKP	Z 06:16:02.3							
PST	e PKP	Z 06:13:48.7	150.8	22.8					
MOX	e PKP	Z 06:13:49.6	151.2	21.8					
TANN	e PKP	Z 06:13:49.9	151.2	23.5					
WERD	e PKP	Z 06:13:49.7	151.2	23.2					
GUNZ	e PKP	Z 06:13:49.9	151.3	23.3					
WERN	e PKP	Z 06:13:50.3	151.3	23.4					
	e sPKP	Z 06:16:03.5							
MANZ	e PKP	Z 06:13:50.1	151.7	23.2					

	e sPKP	Z	06:16:04.1						
ROTZ	e PKP	Z	06:13:51.2	151.9	23.5				
GRA1	e PKP	Z	06:13:49.8	152.2	21.7				
WET	e PKP	Z	06:13:50.9	152.3	25.3				
GEC2	e PKP	Z	06:13:51.1	152.3	27.0				
	e sPKP	Z	06:16:05.2						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	06:46:49.3	8.600S	154.400E	10.0		4.8		NEIC

D'Entrecasteaux Islands, Papua New Guinea, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z	07:05:52.7	126.7	51.7					
CLL	e PKPdf	Z	07:05:52.9	126.9	50.4					
FBE	e PKPdf	Z	07:05:54.3	126.9	51.0					
TANN	e PKPdf	Z	07:05:56.1	127.7	50.4					
CLZ	e PKPdf	Z	07:05:55.3	127.7	47.3					
WERD	e PKPdf	Z	07:05:55.3	127.7	50.2					
GUNZ	e PKPdf	Z	07:05:55.1	127.8	50.3					
WERN	e PKPdf	Z	07:05:54.9	127.8	50.4					
GEC2	e PKPdf	Z	07:05:55.5	128.0	52.7					
MANZ	e PKPdf	Z	07:05:55.3	128.1	50.3					
ROTZ	e PKPdf	Z	07:05:55.6	128.2	50.5					
WET	e PKPdf	Z	07:05:57.3	128.3	51.6					
GRA1	e PKPdf	Z	07:05:57.5	128.8	49.5					
	e L	Z	07:59:15.4			20.5	145		4.8	
STU	e PKPdf	Z	07:06:01.3	130.4	47.8					
WLF	e PKPdf	Z	07:06:04.1	131.2	43.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	09:49:1.0	15.969S	174.114W	41.7		4.9		SZGRF

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	10:08:29.8	144.2	11.8					
MOX	e PKPbc	Z	10:08:32.6	145.0	9.6					
	e pPKPbc	Z	10:08:47.0							
TANN	e PKPbc	Z	10:08:33.6	145.1	11.1					
ROTZ	e PKPbc	Z	10:08:35.9	145.8	10.9					
	e pPKPbc	Z	10:08:49.3							
GRA1	e PKP	Z	10:08:36.6	146.0	9.2					
	e L	Z	11:37:15.5			21.1	193		4.9	
WLF	e PKPbc	Z	10:08:37.6	146.3	0.5					
	e pPKPbc	Z	10:08:46.7							
WET	e PKPbc	Z	10:08:38.5	146.3	12.2					

	e pPKPbc	Z	10:08:51.0						
GEC2	e PKPbc	Z	10:08:36.8	146.5	13.7				
	e pPKPbc	Z	10:08:51.7						
STU	e PKPbc	Z	10:08:39.8	147.1	5.9				
BFO	e PKPbc	Z	10:08:40.8	147.6	4.4				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	10:51:14.2	53.470N	159.860E	30.4	5.1	4.4		SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	11:02:23.0	69.7	18.8	1.4	27	5.2		
CLL	e P	Z	11:02:34.6	71.6	20.1	1.3	23	5.2		
	e pP	Z	11:02:43.1							
CLZ	e P	Z	11:02:35.4	71.6	18.6	3.4	273	5.8		
BRG	e P	Z	11:02:35.4	71.8	20.6	1.6	11	4.7		
MOX	e P	Z	11:02:40.2	72.5	19.2	1.4	17	5.0		
	e pP	Z	11:02:49.3							
BUG	e P	Z	11:02:40.6	72.6	16.7	1.5	39	5.3		
ROTZ	e P	Z	11:02:44.1	73.2	19.4	1.7	20	4.9		
	e pP	Z	11:02:51.9							
GRA1	e P	Z	11:02:46.7	73.5	18.8	1.6	36	5.2		
	e pP	Z	11:02:55.7							
	e L	Z	11:37:15.5			21.1	193		4.4	
WET	e P	Z	11:02:47.5	73.7	19.8	1.0	9	4.7		
	e pP	Z	11:02:56.5							
GEC2	e P	Z	11:02:47.4	73.8	20.2	1.5	14	4.8		
WLF	e P	Z	11:02:51.8	74.5	15.9	1.0	12	4.9		
FUR	e pP	Z	11:03:04.8	74.9	18.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	12:40:2.0	27.300N	88.200E	21.0	4.6			NEIC

Sikkim, India

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:50:05.5	59.5	83.2	2.1	26	4.9		
FBF	e P	Z	12:50:06.9	59.8	82.8	0.8	6	4.7		
GEC2	e P	Z	12:50:08.5	59.9	81.8	0.9	5	4.6		
WET	e P	Z	12:50:11.7	60.4	81.4	0.9	6	4.4		
TANN	e P	Z	12:50:12.2	60.5	81.8	2.0	21	4.6		
GUNZ	e P	Z	12:50:14.7	60.6	81.7	1.1	6	4.4		
ROTZ	e P	Z	12:50:14.5	60.7	81.3	1.7	18	4.6		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

60

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	14:05:28.0	33.766N	24.651E	10.0G	3.9			SZGRF

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 14:09:27.4	17.1	147.6	1.1	9			
WET	e Pn	Z 14:09:32.8	17.7	146.1	0.9	6			
ROTZ	e P	Z 14:09:42.0	18.4	145.5	0.9	7	3.9		
MANZ	e P	Z 14:09:45.0	18.7	145.6	0.8	8	4.0		
GRA1	e P	Z 14:09:45.8	18.8	143.1	0.6	9	4.2		
WERN	e P	Z 14:09:46.2	18.8	146.8	1.1	5	3.7		
TANN	e P	Z 14:09:48.0	18.9	147.2	1.1	4	3.6		
GUNZ	e P	Z 14:09:47.6	18.9	146.8	1.0	7	3.8		
FBE	e P	Z 14:09:49.5	19.0	150.0	0.8	9	4.0		
MOX	e P	Z 14:09:51.4	19.4	145.6	0.8	3	3.6		
CLL	e P	Z 14:09:52.8	19.5	149.8	0.7	5	3.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	15:57:25.8	4.010N	95.979E	39.6	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:09:50.9	83.6	91.4	1.1	12	5.0		
	e pP	Z 16:10:02.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	16:00:3.2	42.500N	141.500E	60.7	5.5			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 16:11:41.1	74.9	35.1	0.9	84	5.8		
BRG	e P	Z 16:11:47.0	76.1	37.0	1.1	31	5.4		
CLL	e P	Z 16:11:47.1	76.1	36.5	0.9	55	5.7		
CLZ	e P	Z 16:11:50.8	76.6	34.8	1.0	69	5.7		
TANN	e P	Z 16:11:52.4	77.0	36.0	2.4	121	5.6		
IBBN	e P	Z 16:11:53.3	77.1	33.1	1.0	75	5.8		
MOX	e P	Z 16:11:53.2	77.1	35.5	1.1	30	5.3		
UBBA	e P	Z 16:11:55.2	77.6	34.4	1.6	48	5.4		
ROTZ	e P	Z 16:11:56.6	77.6	35.7	1.1	39	5.4		
GEC2	e P	Z 16:11:57.0	77.8	36.6	1.3	28	5.2		
WET	e P	Z 16:11:57.9	77.9	36.1	1.1	54	5.6		
BUG	e P	Z 16:11:57.8	78.0	32.7	1.0	54	5.6		
GRA1	e P	Z 16:11:58.3	78.1	35.1	1.0	88	5.8		
	e pP	Z 16:12:15.1							
	e	16:12:36.7							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

61

FUR	e P	Z	16:12:05.7	79.3	35.0	0.9	87	5.7
STU	e P	Z	16:12:06.9	79.6	33.7	0.9	59	5.5
WLF	e P	Z	16:12:09.1	79.9	31.8	1.0	28	5.1
BFO	e P	Z	16:12:09.7	80.3	33.1	1.5	79	5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	17:45:17.5	20.200S	168.700E	10.0				NEIC

Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
TANN	e PKP	Z 18:04:55.9	144.4	40.6					
MOX	e PKP	Z 18:04:55.8	144.6	39.1					
IBBN	e PKP	Z 18:04:54.9	144.6	32.0					
ROTZ	e PKP	Z 18:04:58.0	145.0	40.8					
UBBA	e PKP	Z 18:04:56.3	145.1	36.6					
GRA1	e PKP	Z 18:04:59.6	145.5	39.4					
	e pPKP	Z 18:05:07.7							
BUG	e PKP	Z 18:04:57.5	145.5	31.9					
FUR	e PKP	Z 18:05:01.7	146.6	40.9					
STU	e PKP	Z 18:05:04.4	147.0	37.2					
WLF	e PKP	Z 18:05:03.9	147.4	31.5					
BFO	e PKP	Z 18:05:05.0	147.7	36.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	23:03:35.5	27.599N	53.559E	33.0N	4.4			SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:10:59.2	39.0	108.5	1.3	13	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	23:11:26.2	7.400S	152.000E	35.0				NEIC

New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 23:30:25.7	126.5	51.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/18	23:27:29.3	36.061N	34.844E	10.0G	4.4			SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	23:32:02.4	20.0	121.7	1.2	7	3.8		
WET	e P	Z	23:32:08.6	20.7	121.0	1.2	20	4.3		
BRG	e P	Z	23:32:13.0	21.1	126.6	1.6	16	4.1		
FUR	e P	Z	23:32:14.6	21.1	116.3	1.1	15	4.2		
ROTZ	e P	Z	23:32:16.2	21.4	121.3	1.2	25	4.4		
FBE	e P	Z	23:32:17.8	21.4	125.7	1.5	20	4.2		
MANZ	e P	Z	23:32:17.9	21.5	121.6	1.3	20	4.4		
WERN	e P	Z	23:32:18.5	21.5	122.7	1.1	18	4.4		
TANN	e P	Z	23:32:18.8	21.6	123.1	1.3	19	4.4		
GUNZ	e P	Z	23:32:19.4	21.6	122.8	1.4	31	4.5		
WERD	e P	Z	23:32:19.6	21.7	123.0	1.3	25	4.5		
CLL	e P	Z	23:32:20.0	21.8	125.9	2.2	42	4.5		
GRA1	e P	Z	23:32:20.4	21.9	119.6	1.1	17	4.4		
PST	e P	Z	23:32:23.8	21.9	123.7	1.1	13	4.3		
MOX	e P	Z	23:32:23.6	22.1	122.2	1.6	35	4.5		
STU	e P	Z	23:32:30.3	22.6	114.6	0.9	15	4.5		
BFO	e P	Z	23:32:33.1	23.0	112.4	1.7	30	4.5		
CLZ	e P	Z	23:32:38.1	23.4	122.7	1.7	46	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/19 01:46:44.7 46.115N 153.266E 136.0 4.8  
 Kuril Islands, Russia SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:58:44.0	78.7	25.8	1.5	14	4.8		
	e pP	Z	01:59:17.9			1.5	14			

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/19 13:56:12.6 22.170S 168.200E 33.0G  
 New Caledonia SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	14:15:45.3	145.0	44.5					
	e		14:16:24.5							
CLL	e PKPdf	Z	14:15:44.5	145.1	42.8					
	e		14:15:52.6							
CLZ	e PKPbc	Z	14:15:47.5	145.7	38.4					
TANN	e PKPbc	Z	14:15:48.3	146.0	42.9					
MOX	e PKPbc	Z	14:15:49.3	146.2	41.4					
IBBN	e PKPbc	Z	14:15:49.2	146.3	34.0					
MANZ	e PKPbc	Z	14:15:50.1	146.4	42.8					
GEC2	e PKPbc	Z	14:15:49.9	146.5	46.3					
	e		14:16:29.6							
ROTZ	e PKPbc	Z	14:15:50.1	146.6	43.1					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

63

WET	e	PKPbc	Z	14:15:50.9	146.7	44.8
GRA1	e	PKPbc	Z	14:15:51.6	147.0	41.7
	e			14:15:58.6		
	e			14:16:30.9		
WLF	e	PKPbc	Z	14:15:58.0	149.1	33.7
BFO	e	PKPbc	Z	14:15:57.9	149.3	38.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/19	14:22:21.5	72.384S	119.007W	33.0N				SZGRF
Southern Pacific Ocean								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e	PKPbc	Z	14:41:58.5	146.5	205.9			
GEC2	e	PKPbc	Z	14:42:04.1	148.5	205.2			
GRA1	e	PKPbc	Z	14:42:04.7	148.6	206.3			
MANZ	e	PKPbc	Z	14:42:05.7	149.1	206.3			
WERN	e	PKPbc	Z	14:42:06.7	149.4	206.5			
GUNZ	e	PKPbc	Z	14:42:06.9	149.5	206.6			
WERD	e	PKPbc	Z	14:42:07.1	149.6	206.7			
TANN	e	PKPbc	Z	14:42:07.4	149.6	206.6			
CLL	e	PKPbc	Z	14:42:09.2	150.5	207.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/19	20:54: 7.9	18.600S	177.560W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	21:13:38.0	144.1	12.8			
IBBN	e	PKPbc	Z	21:13:44.1	146.0	9.0			
CLZ	e	PKPbc	Z	21:13:44.6	146.2	13.6			
CLL	e	PKPbc	Z	21:13:44.4	146.2	18.2			
BRG	e	PKPbc	Z	21:13:45.1	146.5	20.0			
BUG	e	PKPab	Z	21:13:49.1	146.9	8.4			
MOX	e	PKPbc	Z	21:13:47.1	147.1	16.2			
	e	PKPab	Z	21:13:49.0					
TANN	e	PKPbc	Z	21:13:47.4	147.2	17.7			
UBBA	e	PKPbc	Z	21:13:48.1	147.2	13.3			
MANZ	e	PKPbc	Z	21:13:48.7	147.7	17.3			
ROTZ	e	PKPbc	Z	21:13:49.4	147.9	17.6			
	e	PKPab	Z	21:13:52.6					
GRA1	e	PKPbc	Z	21:13:49.9	148.1	15.9			
	e	PKPab	Z	21:13:53.7					
WET	e	PKPbc	Z	21:13:50.3	148.3	19.1			
	e	PKPab	Z	21:13:54.6					
GEC2	e	PKPbc	Z	21:13:50.6	148.4	20.7			

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

64

WLF	e	PKPbc	Z	21:13:52.4	148.8	6.8
STU	e	PKPbc	Z	21:13:52.8	149.3	12.6
FUR	e	PKPbc	Z	21:13:53.1	149.6	16.7
	e	PKPab	Z	21:13:59.7		
BFO	e	PKPbc	Z	21:13:54.2	149.9	11.2
	e	PKPab	Z	21:14:00.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/19	23:37:31.3	21.160S	176.950W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	23:57:09.6	146.8	12.4			
IBBN	e	PKPab	Z	23:57:18.5	148.6	8.5			
CLZ	e	PKPbc	Z	23:57:15.3	148.8	13.3			
	e	PKPab	Z	23:57:19.4					
CLL	e	PKPbc	Z	23:57:15.3	148.9	18.2			
BRG	e	PKPbc	Z	23:57:16.2	149.1	20.1			
MOX	e	PKPbc	Z	23:57:17.7	149.8	16.0			
WERD	e	PKPbc	Z	23:57:17.9	149.8	17.4			
TANN	e	PKPbc	Z	23:57:17.9	149.8	17.7			
GUNZ	e	PKPbc	Z	23:57:18.4	149.9	17.4			
	e	PKPab	Z	23:57:24.0					
WERN	e	PKPbc	Z	23:57:18.6	150.0	17.6			
	e	PKPab	Z	23:57:24.2					
MANZ	e	PKPbc	Z	23:57:19.3	150.3	17.2			
ROTZ	e	PKPbc	Z	23:57:20.1	150.5	17.5			
GRA1	e	PKPbc	Z	23:57:20.7	150.7	15.7			
	e	PKPab	Z	23:57:27.5					
WET	e	PKPbc	Z	23:57:20.7	150.9	19.1			
	e	PKPab	Z	23:57:28.5					
GEC2	e	PKPbc	Z	23:57:20.8	151.0	20.9			
FUR	e	PKPbc	Z	23:57:23.8	152.2	16.6			
	e	PKPab	Z	23:57:33.5					
BFO	e	PKPab	Z	23:57:34.5	152.5	10.7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20	03:18:39.3	23.800S	179.900E	534.0				NEIC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e	PKPdf	Z	03:37:23.0					
	i	PKPbc	Z	03:37:30.7					
	i	PKPab	Z	03:37:40.6					
GRA1	e	PKP	Z	03:37:49.3	152.6	23.0			



Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 04:32:55.1							
CLL	e PKP	Z 04:32:54.7							
FBE	e PKP	Z 04:32:57.1							
GEC2	e PKP	Z 04:32:59.7							
GRA1	e PKP	Z 04:32:55.7							
GUNZ	e PKP	Z 04:32:57.6							
MANZ	e PKP	Z 04:32:58.3							
MOX	e PKP	Z 04:32:56.9							
TANN	e PKP	Z 04:32:57.1							
WERD	e PKP	Z 04:32:57.2							
WERN	e PKP	Z 04:32:57.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20	06:12:25.5	21.380S	179.630W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 06:32:03.2	146.6	17.0					
CLL	e PKPbc	Z 06:32:08.7	148.5	22.9					
CLZ	e PKPbc	Z 06:32:09.0	148.6	18.1					
BRG	e PKPbc	Z 06:32:09.3	148.6	24.8					
MOX	e PKPbc	Z 06:32:10.9	149.4	20.9					
TANN	e PKPbc	Z 06:32:11.0	149.4	22.6					
WERD	e PKPbc	Z 06:32:11.1	149.5	22.3					
BUG	e PKPbc	Z 06:32:11.3	149.5	12.7					
GUNZ	e PKPbc	Z 06:32:11.6	149.5	22.4					
WERN	e PKPbc	Z 06:32:11.6	149.6	22.5					
MANZ	e PKPbc	Z 06:32:12.5	149.9	22.2					
ROTZ	e PKPbc	Z 06:32:12.7	150.1	22.5					
GRA1	e PKPbc	Z 06:32:13.9	150.4	20.8					
GEC2	e PKPbc	Z 06:32:14.1	150.5	25.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:40:31.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20	12:15:44.8	29.600S	71.100W	45.0		4.7		NEIC
Near coast of central Chile								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 12:34:22.2	107.5	244.7					
	e L	Z 13:17:33.6			20.6	203		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20	13:24:0.6	53.320N	139.090E	33.0N	5.0			SZGRF
Primorye, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:34:38.2	64.7	31.0	1.5	21	5.1		
CLL	e P	Z 13:34:46.3	66.0	31.9	1.0	15	5.2		
BRG	e P	Z 13:34:46.7	66.1	32.3	1.0	7	4.8		
CLZ	e P	Z 13:34:49.0	66.4	30.6	1.0	12	5.1		
IBBN	e P	Z 13:34:51.3	66.8	29.2	1.4	18	5.1		
TANN	e P	Z 13:34:52.7	67.0	31.4	1.1	7	4.8		
MOX	e P	Z 13:34:53.0	67.1	31.0	1.3	12	5.0		
UBBA	e P	Z 13:34:55.2	67.4	30.1	1.4	8	4.8		
MANZ	e P	Z 13:34:55.8	67.5	31.1	1.5	12	4.9		
ROTZ	e P	Z 13:34:56.8	67.6	31.1	1.2	8	4.8		
BUG	e P	Z 13:34:56.9	67.7	28.8	1.5	19	5.1		
GEC2	e P	Z 13:34:57.7	67.9	31.7	1.4	7	4.7		
WET	e P	Z 13:34:59.0	67.9	31.3	1.2	16	5.1		
GRA1	e P	Z 13:34:59.5	68.0	30.6	1.0	24	5.4		
FUR	e P	Z 13:35:07.4	69.3	30.3	0.8	13	5.1		
WLF	e P	Z 13:35:09.8	69.6	27.8	1.2	11	4.9		
BFO	e P	Z 13:35:11.5	70.1	28.8	1.0	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/20	14:18:37.7	29.560N	86.680E	33.0N	4.9	4.5		SZGRF
Xizang								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 14:28:20.7	56.9	82.4	0.9	10	4.8		
FBE	e P	Z 14:28:24.3	57.3	82.0	1.1	16	5.0		
GEC2	e P	Z 14:28:23.8	57.4	80.9	1.1	22	5.1		
WET	e P	Z 14:28:27.2	57.9	80.5	1.0	14	4.9		
TANN	e P	Z 14:28:28.0	57.9	81.0	1.0	7	4.7		
WERN	e P	Z 14:28:28.5	58.0	80.9	1.7	19	4.9		
WERD	e P	Z 14:28:27.7	58.0	80.9	0.8	7	4.7		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

67

ROTZ	e P	Z	14:28:29.9	58.2	80.5	1.0	14	4.9		
MANZ	e P	Z	14:28:30.1	58.2	80.5	1.3	11	4.7		
MOX	e P	Z	14:28:30.8	58.4	80.6	1.0	7	4.6		
BSEG	e P	Z	14:28:33.3	58.7	81.6	1.0	20	5.1		
GRA1	e P	Z	14:28:34.5	58.8	79.7	1.1	14	4.9		
	e L	Z	14:57:39.3			18.1	315		4.5	
CLZ	e P	Z	14:28:35.0	59.0	80.4	1.2	22	5.1		
FUR	e P	Z	14:28:35.4	59.1	78.9	1.1	24	5.2		
UBBA	e P	Z	14:28:37.7	59.4	79.5	1.0	3	4.3		
STU	e P	Z	14:28:44.2	60.3	77.8	1.1	18	5.0		
IBBN	e P	Z	14:28:45.6	60.5	78.8	1.2	26	4.9		
BUG	e P	Z	14:28:48.5	61.0	78.0	1.1	18	4.8		
BFO	e P	Z	14:28:48.8	61.0	77.0	1.5	12	4.5		
WLF	e P	Z	14:28:56.5	62.0	76.2	1.1	20	5.3		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/20 20:41:22.4 47.499N 152.471E 33.0N 4.6  
 Kuril Islands, Russia SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	20:53:02.0	75.3	27.0	0.8	6	4.8		
CLZ	e P	Z	20:53:03.8	75.5	25.4	0.9	6	4.7		
MOX	e P	Z	20:53:07.9	76.2	26.0	1.0	6	4.6		
WERN	e P	Z	20:53:08.8	76.3	26.5	0.9	4	4.5		
BUG	e P	Z	20:53:10.0	76.7	23.3	1.0	11	4.9		
MANZ	e P	Z	20:53:10.5	76.7	26.3	1.9	10	4.6		
ROTZ	e P	Z	20:53:11.5	76.9	26.3	1.1	6	4.6		
GRA1	e P	Z	20:53:13.5	77.2	25.7	0.9	12	5.0		
WET	e P	Z	20:53:13.5	77.2	26.7	1.0	5	4.6		
GEC2	e P	Z	20:53:13.6	77.2	27.2	1.6	6	4.5		
WLF	e P	Z	20:53:15.8	78.6	22.5	1.0	7	4.6		
BFO	e P	Z	20:53:23.8	79.2	23.8	0.9	5	4.4		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/20 22:19:47.0 38.313N 135.945E 396.7 5.0  
 Sea of Japan SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	22:30:54.8	76.6	41.0	1.4	19	5.0		
BRG	e P	Z	22:30:59.0	77.4	43.0	1.0	9	4.9		
CLL	e P	Z	22:30:59.1	77.5	42.4	1.0	27	5.3		
CLZ	e P	Z	22:31:03.0	78.1	40.7	1.2	17	5.1		
TANN	e P	Z	22:31:04.2	78.3	41.9	1.2	7	4.6		
MOX	e P	Z	22:31:04.6	78.5	41.4	1.5	16	4.8		
IBBN	e P	Z	22:31:06.7	78.8	39.0	1.0	20	5.1		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

68

MANZ	e P	Z	22:31:06.9	78.8	41.6	1.6	22	4.9
ROTZ	e P	Z	22:31:07.7	78.9	41.7	0.8	9	4.9
GEC2	e P	Z	22:31:07.2	79.0	42.5	1.2	11	4.7
UBBA	e P	Z	22:31:07.8	79.1	40.3	1.0	6	4.5
WET	e P	Z	22:31:08.2	79.1	42.0	1.4	13	4.8
GRA1	e P	Z	22:31:10.4	79.4	41.0	1.6	57	5.3
	e pP	Z	22:32:39.8					
FUR	e P	Z	22:31:16.1	80.6	40.9	0.9	20	5.1
STU	e P	Z	22:31:18.3	81.0	39.5	0.8	16	5.1
BFO	e P	Z	22:31:21.5	81.7	38.9	1.3	26	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/21	14:08:53.6	5.130N	94.759E	33.0N	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 14:21:01.7	80.3	93.4					
WET	e P	Z 14:21:04.6	80.8	92.8					
GRA1	e P	Z 14:21:10.2	81.9	91.6	0.8	9	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/21	16:39: 9.2	34.624N	26.978E	10.0G	4.5	4.1		SZGRF

Crete, Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 16:43:08.9	17.3	140.5	1.0	40	4.5		
	e S	Z 16:46:25.4							
WET	e P	Z 16:43:15.6	17.9	139.2	0.8	46	4.7		
	e S	Z 16:46:37.2							
FUR	e P	Z 16:43:16.6	17.9	133.5	0.7	66	4.9		
	e S	Z 16:46:36.4							
ROTZ	e P	Z 16:43:24.7	18.6	138.9	1.1	27	4.4		
	e S	Z 16:46:53.0							
BRG	e P	Z 16:43:26.8	18.8	144.8	2.0	67	4.5		
	e S	Z 16:46:56.1							
MANZ	e P	Z 16:43:27.5	18.8	139.1	1.4	62	4.7		
	e S	Z 16:46:56.1							
WERN	e P	Z 16:43:28.6	18.9	140.3	0.8	20	4.4		
GRFO	e P	Z 16:43:29.6	19.0	136.6	1.0	46	4.7		
	e S	Z 16:47:01.7							
GRA1	e P	Z 16:43:29.7	19.0	136.6	1.0	52	4.7		
	e S	Z 16:47:01.7							
	e L	Z 16:51:29.8			19.4	997		4.1	
TANN	e P	Z 16:43:29.4	19.0	140.7	1.0	30	4.5		
	e S	Z 16:47:01.7							

GUNZ	e P	Z	16:43:29.7	19.0	140.3	0.8	15	4.3
FBE	e P	Z	16:43:31.5	19.1	143.6	1.2	47	4.6
WERD	e P	Z	16:43:30.9	19.1	140.4	1.0	20	4.3
STU	e S	Z	16:47:08.8	19.3	130.5			
BFO	e P	Z	16:43:35.4	19.5	127.9	0.9	26	4.5
	e S	Z	16:47:13.5					
CLL	e P	Z	16:43:34.9	19.5	143.4	1.1	22	4.3
	e S	Z	16:47:13.5					
MOX	e P	Z	16:43:36.0	19.5	139.3	1.3	37	4.5
	e S	Z	16:47:13.5					
RUE	e P	Z	16:43:43.5	20.2	147.0	1.8	126	4.8
	e S	Z	16:47:28.5					
UBBA	e S	Z	16:47:30.8	20.3	136.3			

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/21

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:52:12.5							

Date Origin Time Lat Long Depth mb Ms ML Source  
2007/05/21 19:59: 3.1  
Eastern Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 20:03:05.4	17.5	140.3	0.9	31	4.4		
WET	e P	Z 20:03:11.7	18.1	139.0	1.2	39	4.4		
	e S	Z 20:06:35.3							
FUR	e P	Z 20:03:12.4	18.1	133.3	1.1	100	4.8		
ROTZ	e P	Z 20:03:21.0	18.8	138.7	0.9	19	4.3		
	e S	Z 20:06:50.5							
BRG	e P	Z 20:03:23.5	19.0	144.6	1.0	37	4.6		
	e S	Z 20:06:55.0							
GRA1	e P	Z 20:03:25.6	19.2	136.4	1.0	41	4.6		
	e S	Z 20:07:00.4							
	e L	Z 20:12:39.6			18.5	412		3.8	
TANN	e P	Z 20:03:26.3	19.2	140.5	0.8	26	4.5		
	e S	Z 20:07:00.4							
STU	e P	Z 20:03:29.9	19.5	130.4	0.8	36	4.6		
BFO	e P	Z 20:03:31.5	19.7	127.8	0.8	24	4.5		
	e S	Z 20:07:10.2							
CLL	e P	Z 20:03:32.5	19.7	143.2	0.8	57	4.9		
MOX	e P	Z 20:03:32.9	19.7	139.1	0.8	25	4.5		
	e S	Z 20:07:13.8							
UBBA	e S	Z 20:07:29.0	20.5	136.1					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

70

CLZ	e P	Z	20:03:46.8	21.1	138.7	1.0	25	4.5
	e S	Z	20:07:39.7					
WLF	e P	Z	20:03:52.4	21.6	126.7	1.5	74	4.9
	e S	Z	20:07:51.4					
BUG	e S	Z	20:08:02.1	22.2	132.1			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	03:41:12.7	2.000N	96.700E	35.0				NEIC
Northern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:53:47.7	85.6	92.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	11:13: 9.2	22.270S	180.920W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 11:32:48.9	147.2	19.5					
CLL	e PKPbc	Z 11:32:53.9	149.0	25.6					
BRG	e PKPbc	Z 11:32:54.5	149.1	27.6					
CLZ	e PKPbc	Z 11:32:54.2	149.2	20.7					
TANN	e PKPbc	Z 11:32:56.6	150.0	25.3					
MOX	e PKPbc	Z 11:32:56.7	150.0	23.7					
WERN	e PKPbc	Z 11:32:56.3	150.1	25.3					
MANZ	e PKPbc	Z 11:32:57.8	150.5	25.0					
ROTZ	e PKPbc	Z 11:32:57.9	150.6	25.4					
GRA1	e PKPbc	Z 11:32:58.8	151.0	23.6					
GEC2	e PKPbc	Z 11:32:58.9	151.0	28.8					
WLF	e PKPbc	Z 11:33:01.6	152.0	14.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	17:44: 8.5	14.100S	167.100E	177.0				NEIC
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 18:03:13.0	137.4	38.7					
FBE	e PKPbc	Z 18:03:12.8	137.5	39.4					
CLZ	e PKPbc	Z 18:03:12.6	137.9	34.9					
TANN	e PKPbc	Z 18:03:15.4	138.3	38.6					
GEC2	e PKPbc	Z 18:03:17.1	138.9	41.4					
GRA1	e PKPbc	Z 18:03:18.1	139.3	37.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	19:57:5.5	37.181N	24.310W	33.0N	4.5	3.7		SZGRF

Azores Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 20:02:27.8	25.2	251.9	0.8	38	5.2		
BFO	e P	Z 20:02:36.6	26.2	257.0	1.0	15	4.6		
GRA1	e P	Z 20:02:56.7	28.3	257.4	0.8	18	4.9		
	e L	Z 20:11:03.2			20.0	185		3.7	
MANZ	e P	Z 20:03:02.2	28.9	257.8	1.7	12	4.5		
ROTZ	e P	Z 20:03:01.7	29.0	258.3	0.8	4	4.3		
TANN	e P	Z 20:03:05.3	29.3	257.4	0.8	4	4.3		
WET	e P	Z 20:03:05.0	29.3	260.0	0.8	2	4.1		
GEC2	e P	Z 20:03:09.2	29.8	261.3	1.1	4	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	20:28:56.6	46.326N	153.256E	33.0N	4.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 20:40:34.5	74.9	25.5	0.9	4	4.5		
CLL	e P	Z 20:40:43.0	76.5	27.0	0.6	9	5.1		
CLZ	e P	Z 20:40:45.3	76.8	25.3	0.7	7	4.9		
MOX	e P	Z 20:40:48.6	77.5	26.0	1.2	7	4.7		
ROTZ	e P	Z 20:40:53.5	78.2	26.3	1.1	4	4.5		
GRA1	e P	Z 20:40:54.9	78.5	25.7	0.9	8	4.8		
WET	e P	Z 20:40:54.6	78.5	26.7	0.9	5	4.6		
GEC2	e P	Z 20:40:54.6	78.5	27.2	0.8	2	4.2		
BFO	e P	Z 20:41:05.2	80.5	23.7	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	21:04:36.1	20.137S	170.579E	37.0				SZGRF

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 21:24:02.5	143.0	31.8					
CLL	e PKPbc	Z 21:24:06.1	144.2	37.8					
	e pPKPbc	Z 21:24:17.0							
CLZ	e PKPbc	Z 21:24:08.7	144.7	33.4					
	e pPKPbc	Z 21:24:19.7							
TANN	e PKPbc	Z 21:24:09.6	145.1	37.7					
	e pPKPbc	Z 21:24:20.8							
IBBN	e PKPbc	Z 21:24:10.1	145.2	29.0					

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

72

MOX	e	PKPbc	Z	21:24:09.8	145.3	36.3
	e	pPKPbc	Z	21:24:21.2		
MANZ	e	PKPbc	Z	21:24:11.1	145.6	37.6
UBBA	e	PKPbc	Z	21:24:11.2	145.7	33.7
ROTZ	e	PKPbc	Z	21:24:11.5	145.7	37.9
	e	pPKPbc	Z	21:24:22.7		
GEC2	e	PKPbc	Z	21:24:11.6	145.8	41.0
WET	e	PKPbc	Z	21:24:12.0	146.0	39.5
	e	pPKPbc	Z	21:24:22.8		
GRA1	e	PKPbc	Z	21:24:13.0	146.2	36.5
FUR	e	PKPbc	Z	21:24:16.4	147.4	38.0
STU	e	PKPbc	Z	21:24:17.0	147.7	34.1
WLF	e	PKPbc	Z	21:24:19.0	148.0	28.4
BFO	e	PKPbc	Z	21:24:18.3	148.4	33.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/22	21:47:45.0	8.950S	32.000E	33.0N	4.5			SZGRF

Tanzania

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:57:46.8	60.0	159.0	1.4	11	4.7		
WET	e P	Z 21:57:50.1	60.5	158.2	1.1	4	4.4		
BFO	e P	Z 21:57:53.9	61.0	153.0	1.3	10	4.5		
ROTZ	e P	Z 21:57:56.2	61.2	157.6	1.5	9	4.4		
GRA1	e P	Z 21:57:56.3	61.4	156.5	1.1	11	4.6		
MANZ	e P	Z 21:57:56.9	61.4	157.5	1.1	5	4.3		
TANN	e P	Z 21:57:59.0	61.7	158.0	1.4	5	4.6		
UBBA	e P	Z 21:58:05.5	62.7	155.4	1.7	18	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:56:22.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/23	04:41:50.8	52.490N	31.350W	33.0N	5.4	5.3		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 04:46:58.2	23.5	291.4	1.2	120	5.3		
BUG	e P	Z 04:46:59.3	23.5	287.9	2.0	638	5.8		
IBBN	e P	Z 04:46:59.9	23.6	286.1	1.4	497	5.9		



./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

73

BSEG	e P	Z	04:47:09.5	24.6	283.8	1.1	134	5.6		
CLZ	e P	Z	04:47:15.7	25.2	288.1	1.4	219	5.6		
BFO	e P	Z	04:47:15.3	25.3	294.5	1.3	54	5.0		
UBBA	e P	Z	04:47:16.4	25.4	290.1	1.6	119	5.3		
STU	e P	Z	04:47:19.1	25.6	293.8	1.0	88	5.3		
MOX	e P	Z	04:47:25.3	26.4	290.9	1.1	46	5.1		
	e PcP	Z	04:50:49.8							
GRA1	e P	Z	04:47:27.0	26.5	292.6	1.4	117	5.4		
	e PcP	Z	04:50:51.3							
	e S	E	04:52:02.1							
	e L	Z	04:56:33.9			22.0	8814		5.3	
MANZ	e P	Z	04:47:30.4	26.9	292.3	1.1	36	5.1		
TANN	e P	Z	04:47:30.3	27.0	291.6	1.1	59	5.3		
CLL	e P	Z	04:47:30.6	27.0	290.1	1.2	81	5.4		
	e PcP	Z	04:50:51.3							
ROTZ	e P	Z	04:47:31.3	27.1	292.7	1.2	42	5.1		
FUR	e P	Z	04:47:32.8	27.1	295.3	1.9	420	5.9		
WET	e P	Z	04:47:37.5	27.7	294.0	1.4	53	5.2		
	e PcP	Z	04:50:52.5							
GEC2	e P	Z	04:47:42.8	28.3	294.7	1.4	83	5.4		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/23 04:41:46.4 52.246N 31.949W 10.0G 4.7  
 Northern Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	06:39:36.9	23.9	290.9	1.0	13	4.6		
BSEG	e P	Z	06:39:46.3	25.1	283.5	1.0	12	4.6		
CLZ	e P	Z	06:39:53.0	25.7	287.8	1.4	21	4.7		
BFO	e P	Z	06:39:52.6	25.7	294.1	0.3	9	5.0		
UBBA	e P	Z	06:39:53.2	25.8	289.7	1.1	8	4.4		
MOX	e P	Z	06:40:00.9	26.8	290.6	0.9	4	4.3		
GRA1	e P	Z	06:40:02.4	26.9	292.2	0.5	7	4.8		
WERD	e P	Z	06:40:05.4	27.3	291.2	1.2	7	4.5		
MANZ	e P	Z	06:40:05.5	27.3	291.9	1.2	5	4.5		
TANN	e P	Z	06:40:06.1	27.4	291.3	1.2	9	4.7		
CLL	e P	Z	06:40:05.6	27.4	289.8	0.7	9	4.9		
ROTZ	e P	Z	06:40:06.9	27.5	292.3	1.9	17	4.8		
FBE	e P	Z	06:40:10.0	27.7	290.7	1.3	12	4.7		
GEC2	e P	Z	06:40:16.5	28.7	294.3	1.1	7	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/23

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML

CLL	e P	Z	08:29:28.9
	e pP	Z	08:29:36.2
	e PP	Z	08:33:19.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/23	15:59:30.7	18.520S	178.320W	627.3				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	16:17:59.1	144.0	14.0					
IBBN	e PKPbc	Z	16:18:05.2	145.9	10.3					
CLZ	e PKPbc	Z	16:18:05.6	146.0	14.8					
CLL	e PKPbc	Z	16:18:05.4	146.0	19.5					
BUG	e PKPbc	Z	16:18:07.3	146.8	9.7					
MOX	e PKPbc	Z	16:18:08.0	146.9	17.4					
	e PKPab	Z	16:18:10.7							
TANN	e PKPbc	Z	16:18:08.2	147.0	19.0					
	e PKPab	Z	16:18:11.1							
MANZ	e PKPbc	Z	16:18:09.5	147.4	18.6					
ROTZ	e PKPbc	Z	16:18:10.0	147.6	18.9					
	e pPKPbc	Z	16:20:30.2							
GRA1	e PKPbc	Z	16:18:11.0	147.9	17.2					
	e PKPab	Z	16:18:15.2							
	e pPKPbc	Z	16:20:30.7							
WET	e PKPbc	Z	16:18:10.9	148.1	20.4					
	e PKPab	Z	16:18:15.8							
GEC2	e PKPbc	Z	16:18:11.4	148.2	22.0					
	e PKPab	Z	16:18:16.2							
WLF	e PKPbc	Z	16:18:13.1	148.6	8.2					
	e PKPab	Z	16:18:18.1							
	e pPKPbc	Z	16:20:35.2							
STU	e PKPbc	Z	16:18:14.0	149.1	14.0					
	e PKPab	Z	16:18:19.8							
FUR	e PKPbc	Z	16:18:14.6	149.3	18.1					
	e PKPab	Z	16:18:21.0							
BFO	e PKPbc	Z	16:18:14.8	149.7	12.6					
	e PKPab	Z	16:18:22.1							
	e pPKPbc	Z	16:20:37.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/23	18:04:56.5	46.555N	152.837E	33.0N	4.6			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:16:53.0	78.2	25.9	1.5	11	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/23	19:09:23.8	21.720N	95.310W	48.5	5.2	4.8		SZGRF

Gulf of Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z	19:21:32.0	80.5	293.4	0.9	19	5.3		
	e PP	Z	19:24:35.9							
BUG	e P	Z	19:21:33.0	80.6	293.2	1.4	31	5.3		
	e P	Z	19:21:33.1	80.6	292.7	1.3	25	5.3		
BSEG	e PP	Z	19:24:36.1							
	e P	Z	19:21:35.3	81.3	295.2	1.2	35	5.5		
CLZ	e P	Z	19:21:41.0	82.2	295.5	1.3	24	5.3		
UBBA	e P	Z	19:21:42.7	82.4	295.3	1.5	15	5.0		
	e PP	Z	19:24:50.4							
BFO	e P	Z	19:21:42.7	82.5	294.4	1.4	9	4.8		
	e PP	Z	19:24:50.5							
MOX	e P	Z	19:21:46.5	83.4	296.5	1.6	16	4.9		
GRA1	e P	Z	19:21:48.6	83.6	296.3	1.7	37	5.2		
	e pP	Z	19:22:02.6							
	e PP	Z	19:25:00.3							
	e S	E	19:32:09.5							
	e L	Z	20:01:44.2			21.0	448		4.8	
CLL	e P	Z	19:21:48.6	83.9	297.5	1.5	25	5.1		
WERD	e P	Z	19:21:49.3	83.9	297.1	1.6	28	5.2		
	e PP	Z	19:25:05.0							
MANZ	e P	Z	19:21:49.6	84.0	297.0	1.0	5	4.6		
	e PP	Z	19:25:05.2							
TANN	e P	Z	19:21:49.4	84.0	297.2	1.2	18	5.1		
	e PP	Z	19:25:06.1							
WERN	e P	Z	19:21:49.9	84.0	297.1	1.5	28	5.2		
ROTZ	e P	Z	19:21:50.0	84.2	297.1	1.6	27	5.1		
FBE	e P	Z	19:21:51.5	84.3	297.8	1.4	36	5.3		
WET	e P	Z	19:21:53.9	84.8	297.6	1.1	31	5.3		
GEC2	e P	Z	19:21:56.8	85.4	298.2	1.1	20	5.4		
	e PP	Z	19:25:15.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/23	20:19:10.3	2.025N	95.292E	25.3	5.1	4.7		SZGRF

Off west coast of northern Sumatra, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	20:31:34.0	82.9	95.0	1.2	25	5.3		
RUE	e P	Z	20:31:35.6	83.2	95.5	1.1	30	5.4		
WET	e P	Z	20:31:37.0	83.5	94.4	1.3	14	5.0		

CLL	e P	Z	20:31:37.0	83.6	94.8	1.2	12	5.0
TANN	e P	Z	20:31:38.7	83.9	94.2	1.2	9	4.9
WERN	e P	Z	20:31:38.9	83.9	94.2	1.1	9	4.9
WERD	e P	Z	20:31:38.9	84.0	94.1	1.2	10	5.0
ROTZ	e P	Z	20:31:39.3	84.0	94.0	1.1	12	5.0
MANZ	e P	Z	20:31:40.0	84.1	93.9	1.2	19	5.1
MOX	e P	Z	20:31:41.4	84.4	93.6	1.5	13	4.8
GRA1	e P	Z	20:31:42.0	84.6	93.2	1.1	21	5.2
	e pP	Z	20:31:49.4					
	e L	Z	21:18:04.4			20.1	313	4.7
CLZ	e P	Z	20:31:45.6	85.3	92.7	1.2	16	5.1
BSEG	e P	Z	20:31:46.6	85.4	92.9	1.2	21	5.2
BFO	e P	Z	20:31:50.8	86.5	90.9	0.9	4	4.8
IBBN	e P	Z	20:31:53.9	86.9	90.7	1.0	15	5.3
BUG	e P	Z	20:31:54.9	87.2	90.3	1.1	20	5.2

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/23 20:57: 7.2 52.190N 157.520E 33.0N 5.0  
 Kamchatka Peninsula, Russia SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	21:08:20.5	70.4	20.6	1.1	12	4.9		
RUE	e P	Z	21:08:24.6	71.0	22.5	0.9	29	5.4		
CLL	e P	Z	21:08:31.3	72.3	21.9	1.0	20	5.2		
CLZ	e P	Z	21:08:32.6	72.4	20.4	1.1	22	5.2		
IBBN	e P	Z	21:08:33.0	72.5	18.9	0.6	12	5.2		
FBE	e P	Z	21:08:33.5	72.5	22.1	1.0	15	5.1		
MOX	e P	Z	21:08:37.2	73.2	21.0	1.2	16	4.9		
TANN	e P	Z	21:08:37.4	73.2	21.5	1.2	6	4.5		
WERD	e P	Z	21:08:37.4	73.2	21.4	1.1	12	4.8		
GUNZ	e P	Z	21:08:37.9	73.3	21.4	1.0	8	4.7		
WERN	e P	Z	21:08:38.2	73.4	21.4	0.9	10	4.9		
BUG	e P	Z	21:08:38.3	73.4	18.5	1.3	24	5.1		
UBBA	e P	Z	21:08:38.9	73.4	20.1	1.8	20	4.9		
MANZ	e P	Z	21:08:40.1	73.7	21.3	1.2	9	4.7		
ROTZ	e P	Z	21:08:41.2	73.9	21.3	1.0	12	4.9		
GRA1	e P	Z	21:08:43.3	74.2	20.7	1.0	24	5.2		
WET	e P	Z	21:08:43.9	74.3	21.6	1.0	19	5.1		
GEC2	e P	Z	21:08:43.9	74.4	22.1	1.0	8	4.7		
FUR	e P	Z	21:08:51.9	75.6	20.6	1.0	26	5.3		
BFO	e P	Z	21:08:53.7	76.1	18.9	1.3	12	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/23 22:00:11.3 8.000S 156.700E 10.0  
 Bougainville - Solomon Islands region NEIC

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	22:19:15.1	126.7	43.2					
CLL	e PKPdf	Z	22:19:16.1	127.4	47.6					
CLZ	e PKPdf	Z	22:19:18.3	128.2	44.3					
TANN	e PKPdf	Z	22:19:18.1	128.3	47.5					
MOX	e PKPdf	Z	22:19:18.7	128.5	46.4					
GEC2	e PKPdf	Z	22:19:18.9	128.7	49.8					
MANZ	e PKPdf	Z	22:19:19.2	128.7	47.3					
WET	e PKPdf	Z	22:19:19.9	128.9	48.7					
IBBN	e PKPdf	Z	22:19:20.0	129.0	41.1					
UBBA	e PKPdf	Z	22:19:19.3	129.1	44.5					
GRA1	e PKPdf	Z	22:19:20.9	129.3	46.5					
STU	e PKPdf	Z	22:19:24.2	130.9	44.8					
BFO	e PKPdf	Z	22:19:23.4	131.6	44.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	01:06:27.3	9.592S	118.885E	50.0G		4.8		NEIC

Sumbawa, Indonesia, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e SP	Z	01:34:28.0	108.7	82.7					
	e L	Z	02:26:39.3			22.0	323		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	09:10:35.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	12:39:30.3	61.660N	169.310E	16.0	5.4	4.9		SZGRF

Eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	12:49:59.7	63.2	11.0	1.7	58	5.5		
IBBN	e P	Z	12:50:11.8	65.1	9.5	1.0	46	5.7		
CLZ	e P	Z	12:50:11.9	65.3	10.8	1.2	50	5.6		
CLL	e P	Z	12:50:13.6	65.5	12.1	1.5	28	5.3		
BRG	e P	Z	12:50:15.7	65.8	12.5	1.6	25	5.2		
FBE	e P	Z	12:50:16.1	65.8	12.2					
BUG	e P	Z	12:50:16.9	66.0	9.2	1.1	26	5.4		
MOX	e P	Z	12:50:19.2	66.3	11.3	1.7	46	5.4		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

78

WERD	e P	Z	12:50:19.1	66.4	11.7						
WERN	e P	Z	12:50:21.0	66.5	11.7						
MANZ	e P	Z	12:50:22.8	66.9	11.5	1.1	12	5.0			
ROTZ	e P	Z	12:50:24.4	67.1	11.6	1.5	28	5.3			
GRA1	e P	Z	12:50:25.7	67.3	11.1	1.1	26	5.4			
	e pP	Z	12:50:30.3								
	e L	Z	13:21:50.7			20.1	744		4.9		
WET	e P	Z	12:50:27.9	67.6	11.8	1.7	51	5.5			
GEC2	e P	Z	12:50:28.7	67.8	12.2	1.7	35	5.3			
WLF	e P	Z	12:50:29.2	67.9	8.5	1.4	39	5.4			
BFO	e P	Z	12:50:35.9	69.0	9.5	1.1	17	5.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	19:25:0.3	17.282S	67.284W	33.0N	5.0			SZGRF

Central Bolivia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:38:24.1	95.9	250.2	1.0	5	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	20:12:59.9	27.810N	141.290E	33.0G	5.4			NEIR-M

Bonin Islands, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 20:25:46.8	88.0	41.9	0.9	31	5.6		
BRG	e P	Z 20:25:50.1	88.7	44.7	0.7	13	5.3		
HLG	e P	Z 20:25:50.2	88.7	40.0	0.8	57	5.9		
CLL	e P	Z 20:25:50.1	88.8	44.0	0.9	18	5.3		
FBE	e P	Z 20:25:51.5	88.9	44.2	0.9	23	5.4		
CLZ	e P	Z 20:25:54.0	89.5	41.9	1.1	22	5.3		
WERD	e P	Z 20:25:55.1	89.7	43.4	0.9	8	4.9		
GUNZ	e P	Z 20:25:55.4	89.7	43.5	1.0	18	5.3		
WERN	e P	Z 20:25:55.7	89.8	43.5	1.1	21	5.3		
MOX	e P	Z 20:25:55.4	89.8	42.9	0.9	12	5.1		
MANZ	e P	Z 20:25:56.5	90.1	43.3					
IBBN	e P	Z 20:25:57.3	90.2	39.9	0.9	64	5.9		
GEC2	e P	Z 20:25:56.7	90.2	44.5	0.8	15	5.3		
ROTZ	e P	Z 20:25:57.3	90.2	43.4	1.0	19	5.3		
WET	e P	Z 20:25:57.8	90.4	43.9	1.0	8	4.9		
GRA1	e P	Z 20:25:59.6	90.7	42.6	1.0	30	5.6		
BUG	e P	Z 20:26:00.9	91.0	39.5	0.8	20	5.5		
FUR	e P	Z 20:26:05.4	91.8	42.7	0.7	54	6.0		
STU	e P	Z 20:26:07.0	92.3	41.1	0.8	30	5.7		
WLF	e P	Z 20:26:09.8	92.9	38.7	0.9	29	5.7		
BFO	e P	Z 20:26:10.2	93.0	40.4	0.7	22	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	20:53:41.6	27.745N	127.513E	33.0N	4.8			SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:06:09.9	84.2	52.9	0.9	5	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	22:13:49.3	22.550S	170.770E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 22:33:22.7	145.3	39.3					
BSEG	e PKPbc	Z 22:33:22.8	145.3	32.9					
BRG	e PKPbc	Z 22:33:26.6	146.4	41.1					
CLL	e PKPbc	Z 22:33:26.4	146.5	39.3					
FBE	e PKPbc	Z 22:33:27.3	146.6	40.2					
CLZ	e PKPbc	Z 22:33:28.5	147.0	34.7					
WERD	e PKPbc	Z 22:33:29.5	147.4	39.0					
GUNZ	e PKPbc	Z 22:33:29.8	147.5	39.2					
IBBN	e PKPbc	Z 22:33:30.2	147.5	30.2					
WERN	e PKPbc	Z 22:33:30.1	147.5	39.3					
MOX	e PKPbc	Z 22:33:29.7	147.5	37.8					
MANZ	e PKPbc	Z 22:33:30.7	147.9	39.2					
ROTZ	e PKPbc	Z 22:33:31.0	148.0	39.6					
GEC2	e PKPbc	Z 22:33:31.2	148.0	42.8					
WET	e PKPbc	Z 22:33:31.6	148.2	41.3					
GRA1	e PKPbc	Z 22:33:32.4	148.5	38.1					
WLF	e PKPbc	Z 22:33:37.3	150.3	29.6					
BFO	e PKPbc	Z 22:33:37.3	150.7	34.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/24	22:49:31.5	23.330S	180.870W	541.7				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 23:08:16.6	148.3	19.8					
	e pPKPab	Z 23:10:26.8							
CLL	e PKPbc	Z 23:08:21.0	150.0	26.2					
	e pPKPab	Z 23:10:31.7							
BRG	e PKPbc	Z 23:08:21.5	150.2	28.1					
	e pPKPab	Z 23:10:32.4							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

80

CLZ	e PKPbc	Z	23:08:21.5	150.2	21.1
	e PKPab	Z	23:08:30.8		
	e pPKPab	Z	23:10:32.4		
IBBN	e PKPbc	Z	23:08:21.4	150.3	16.1
	e PKPab	Z	23:08:31.0		
	e pPKPab	Z	23:10:33.3		
MOX	e PKPbc	Z	23:08:23.1	151.0	24.2
	e PKPab	Z	23:08:33.7		
	e pPKPab	Z	23:10:34.2		
BUG	e PKPbc	Z	23:08:23.2	151.2	15.7
MANZ	e PKPbc	Z	23:08:24.5	151.5	25.6
	e pPKPab	Z	23:10:35.3		
ROTZ	e PKPbc	Z	23:08:24.6	151.6	25.9
	e PKPab	Z	23:08:37.5		
	e pPKPab	Z	23:10:35.7		
GRA1	e PKPbc	Z	23:08:25.1	152.0	24.2
	e PKPab	Z	23:08:39.0		
WET	e PKPab	Z	23:08:39.4	152.0	27.7
WLF	e PKPbc	Z	23:08:28.0	153.1	14.4
	e PKPab	Z	23:08:43.0		
STU	e PKPab	Z	23:08:43.9	153.3	21.0
FUR	e PKPab	Z	23:08:44.9	153.4	25.5
BFO	e PKPbc	Z	23:08:29.0	154.0	19.5
	e PKPab	Z	23:08:45.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/25	09:39:45.2	39.513N	17.013E	10.0G			4.0	SZGRF

Southern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
ARSA	e Pn	Z	09:41:37.4	7.8	171.5					3.8
KBA	e Pn	Z	09:41:40.3	8.0	159.3					3.9
	e Sn	N	09:43:03.2							
MOA	e Pn	Z	09:41:48.6	8.6	165.6					4.0
	e Sn	E	09:43:22.8							
WTTA	e Pn	Z	09:41:51.4	8.7	151.4					4.3
	e Sn	N	09:43:26.0							
BFO	e Pn	Z	09:42:16.6	10.8	141.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/25	13:58:40.8	2.790N	96.999E	33.0N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:11:14.0	85.1	91.4	1.3	6	4.7		



Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/25	17:26:19.6	16.698S	177.465W	598.3				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	17:44:40.9	142.3	12.2					
NRDL	e PKPbc	Z	17:44:45.6	143.7	12.3					
IBBN	e PKPbc	Z	17:44:47.1	144.2	8.6					
	e pPKPbc	Z	17:47:02.1							
CLZ	e PKPbc	Z	17:44:47.9	144.3	12.9					
CLL	e PKPpdf	Z	17:44:46.2	144.4	17.4					
	e PKPbc	Z	17:44:47.6							
BRG	e PKPpdf	Z	17:44:46.8	144.6	19.1					
	e PKPbc	Z	17:44:48.4							
BUG	e PKPpdf	Z	17:44:47.7	145.1	7.9					
	e PKPbc	Z	17:44:49.7							
	e pPKPbc	Z	17:47:06.2							
MOX	e PKPpdf	Z	17:44:48.0	145.3	15.4					
	e PKPbc	Z	17:44:50.1							
	e pPKPbc	Z	17:47:06.7							
MANZ	e PKPpdf	Z	17:44:49.2	145.8	16.5					
	e PKPbc	Z	17:44:51.8							
ROTZ	e PKPpdf	Z	17:44:49.1	146.0	16.7					
	e PKPbc	Z	17:44:52.4							
GRA1	e PKPbc	Z	17:44:53.3	146.3	15.1					
	e PKPab	Z	17:44:56.5							
	e pPKPbc	Z	17:47:09.0							
WET	e PKPpdf	Z	17:44:49.9	146.5	18.1					
	e PKPbc	Z	17:44:53.4							
GEC2	e PKPpdf	Z	17:44:49.7	146.6	19.7					
	e PKPbc	Z	17:44:53.7							
	e PKPab	Z	17:44:57.5							
WLF	e PKPpdf	Z	17:44:51.5	146.9	6.4					
	e PKPbc	Z	17:44:55.4							
STU	e PKPpdf	Z	17:44:52.0	147.5	11.9					
	e PKPbc	Z	17:44:56.2							
FUR	e PKPbc	Z	17:44:56.8	147.7	15.8					
	e PKPab	Z	17:45:02.6							
BFO	e PKPpdf	Z	17:44:52.7	148.0	10.5					
	e PKPbc	Z	17:44:57.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/25	17:47:36.9	23.114S	66.581W	182.6				SZGRF
Jujuy Province, Argentina								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z	18:00:46.4	97.0	242.2					
	e PP	Z	18:04:45.1							
BFO	e Pdiff	Z	18:00:49.3	97.7	243.7					
	e PP	Z	18:04:48.0							
BUG	e Pdiff	Z	18:00:53.5	98.5	243.3					
	e pPdiff	Z	18:01:38.9							
IBBN	e Pdiff	Z	18:00:56.7	99.1	243.8					
	e pPdiff	Z	18:01:42.1							
FUR	e pPdiff	Z	18:01:43.6	99.4	245.7					
	e PP	Z	18:05:01.1							
UBBA	e Pdiff	Z	18:00:58.5	99.8	245.2					
	e pPdiff	Z	18:01:45.2							
GRA1	e Pdiff	Z	18:01:01.9	100.0	245.9					
	e pPdiff	Z	18:01:46.5							
	e PP	Z	18:05:05.7							
CLZ	e Pdiff	Z	18:01:02.1	100.4	245.6					
	e pPdiff	Z	18:01:47.4							
	e PKKP	Z	18:17:34.8							
NRDL	e pPdiff	Z	18:01:48.3	100.5	245.5					
	e PP	Z	18:05:11.4							
	e PKKP	Z	18:17:34.3							
ROTZ	e Pdiff	Z	18:01:03.6	100.6	246.6					
	e pPdiff	Z	18:01:48.8							
	e PP	Z	18:05:10.5							
MOX	e pPdiff	Z	18:01:48.3	100.6	246.3					
MANZ	e Pdiff	Z	18:01:03.6	100.6	246.6					
	e pPdiff	Z	18:01:49.0							
	e PP	Z	18:05:11.7							
WET	e Pdiff	Z	18:01:04.1	100.8	247.0					
	e pPdiff	Z	18:01:49.6							
	e PP	Z	18:05:12.5							
GEC2	e pPdiff	Z	18:01:50.6	101.2	247.5					
	e PKKP	Z	18:17:31.0							
BSEG	e pPdiff	Z	18:01:51.2	101.2	246.0					
CLL	e Pdiff	Z	18:01:07.8	101.7	247.5					
	e pPdiff	Z	18:01:53.0							
	e PP	Z	18:05:19.5							
	e pPP	Z	18:05:59.4							
	e SKSac	E	18:11:34.1							
	e Sdiff	N	18:12:39.9							
	e SP	Z	18:14:13.1							
	e PPS	E	18:15:30.2							
	e PKKPbc	Z	18:17:05.1							
	e PKKPdf	Z	18:17:12.7							
	e		18:17:28.0							
	e pPKKPbc	Z	18:17:49.7							
	e SS	Z	18:19:49.1							

	e SS	E	18:19:50.6						
BRG	e Pdiff	Z	18:01:11.6	102.1	248.1				
	e pPdiff	Z	18:01:55.4						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	02:29:30.8	15.977S	172.191W	33.0G		5.5		SZGRF

Samoa Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PP	Z 02:52:13.3	142.0	3.9					
IBBN	e PP	Z 02:52:25.6	143.7	359.9					
CLZ	e PKPbc	Z 02:49:00.7	144.1	4.2					
CLL	e PKPbc	Z 02:49:01.3	144.4	8.6					
BUG	e PKPbc	Z 02:49:01.8	144.5	359.1					
BRG	e PKPbc	Z 02:49:02.5	144.8	10.3					
UBBA	e PKPbc	Z 02:49:03.3	145.1	3.7					
MOX	e PKPbc	Z 02:49:03.7	145.2	6.4					
	e PP	Z 02:52:27.2							
MANZ	e PKPbc	Z 02:49:05.9	145.8	7.4					
ROTZ	e PKPbc	Z 02:49:06.3	146.0	7.6					
	e PP	Z 02:52:30.2							
GRA1	e PKPbc	Z 02:49:07.2	146.2	5.9					
	e L	Z 04:05:52.2			18.0	696		5.5	
WLF	e PKPbc	Z 02:49:07.7	146.3	357.1					
WET	e PKPdf	Z 02:49:05.8	146.6	8.9					
GEC2	e PKPdf	Z 02:49:05.8	146.8	10.4					
STU	e PKPbc	Z 02:49:11.0	147.2	2.5					
BFO	e PKPdf	Z 02:49:07.4	147.6	0.9					
	e PKPbc	Z 02:49:10.5							
	e PP	Z 02:52:43.3							
FUR	e PKPdf	Z 02:49:07.3	147.7	6.2					
	e PKPbc	Z 02:49:11.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:00:46.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	02:44:47.5	35.800S	103.000W	10.0				NEIC

Southeast of Easter Island

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

84

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 03:04:01.5	131.4	260.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 03:07:26.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	06:03:30.3	45.555N	15.430E	10.0G			3.3	SZGRF
Northwestern Balkan Peninsula								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
ARSA	e Pn	Z 06:03:59.8	1.7	182.2					2.6
KBA	e Pn	Z 06:04:04.6	2.1	135.8					3.1
MOA	e Pn	Z 06:04:10.2	2.4	160.4					2.8
WTTA	e Pn	Z 06:04:19.8	3.1	121.8					3.5
GEC2	e Pn	Z 06:04:24.5	3.5	159.7					3.2
	e Sn	E 06:05:05.6							
WET	e Pn	Z 06:04:30.9	4.0	153.3					3.3
DAVA	e Pn	Z 06:04:34.7	4.2	112.3					3.6
WERN	e Pn	Z 06:04:48.2	5.2	155.5					3.6
MOX	e Pn	Z 06:04:54.1	5.7	152.0					3.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	06:11:19.6	8.600S	149.700E	114.0				NEIC
Eastern New Guinea, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 06:30:09.1	126.4	54.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	13:43:33.5	34.464N	82.404E	33.0N	4.5			SZGRF
Xizang								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:52:46.4	52.9	78.2	1.0	6	4.5		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

85

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	19:13:27.9	0.878S	67.440E	33.0N	4.5			SZGRF

Carlsberg Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:24:34.4	69.6	117.6	1.4	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/26	22:54:30.7	40.500N	51.500E	33.0N	4.7			SZGRF

Caspian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 23:00:20.3	27.8	93.1	1.1	8	4.4		
BRG	e P	Z 23:00:21.5	27.8	97.1	1.0	15	4.8		
RUE	e P	Z 23:00:23.6	28.2	99.9	0.7	21	5.1		
FBE	e P	Z 23:00:25.3	28.2	96.7	1.7	38	5.0		
CLL	e P	Z 23:00:26.9	28.5	97.0	1.0	10	4.6		
WERN	e P	Z 23:00:30.4	28.8	94.6	1.2	12	4.6		
GUNZ	e P	Z 23:00:30.1	28.8	94.7	1.2	6	4.3		
WERD	e P	Z 23:00:30.3	28.8	94.9	0.9	7	4.5		
MANZ	e P	Z 23:00:31.8	28.9	93.9	1.3	6	4.3		
MOX	e P	Z 23:00:34.3	29.3	94.6	0.9	18	4.9		
FUR	e P	Z 23:00:35.1	29.4	89.9	1.5	32	4.9		
GRA1	e P	Z 23:00:36.2	29.5	92.6	1.2	8	4.4		
CLZ	e P	Z 23:00:41.9	30.2	95.6	0.9	14	4.8		
UBBA	e P	Z 23:00:43.4	30.3	93.5	0.9	4	4.3		
NRDL	e P	Z 23:00:44.3	30.4	96.5	1.4	9	4.4		
BSEG	e P	Z 23:00:44.5	30.5	99.1	0.8	26	5.2		
STU	e P	Z 23:00:47.4	30.8	89.4	0.9	16	5.0		
IBBN	e P	Z 23:00:56.9	31.8	94.1	1.0	22	5.0		
BUG	e P	Z 23:00:59.1	32.1	92.3	0.9	10	4.8		
WLF	e P	Z 23:01:04.7	32.8	88.6	1.5	20	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/27	00:00:27.7	47.500N	149.500E	33.0N	4.9			SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 00:11:56.3	72.8	27.5	1.0	10	4.9		
RUE	e P	Z 00:11:57.9	73.1	29.5	0.6	17	5.3		
CLL	e P	Z 00:12:04.8	74.4	28.9	0.5	23	5.4		
BRG	e P	Z 00:12:05.3	74.5	29.4	0.7	5	4.6		
FBE	e P	Z 00:12:06.6	74.6	29.0	0.9	14	5.0		
CLZ	e P	Z 00:12:07.0	74.7	27.3	0.7	12	5.0		
IBBN	e P	Z 00:12:08.7	75.0	25.7	1.0	13	4.9		

WERD	e P	Z	00:12:10.3	75.4	28.3	0.8	7	4.8
MOX	e P	Z	00:12:10.9	75.4	27.9	1.3	12	4.9
GUNZ	e P	Z	00:12:11.2	75.4	28.3	0.7	8	4.9
WERN	e P	Z	00:12:11.5	75.5	28.4	0.6	10	5.1
UBBA	e P	Z	00:12:12.5	75.7	26.9	0.9	4	4.5
MANZ	e P	Z	00:12:13.2	75.8	28.1	1.3	9	4.8
BUG	e P	Z	00:12:13.7	75.9	25.3	0.7	6	4.8
ROTZ	e P	Z	00:12:14.5	76.0	28.2	1.0	8	4.8
WET	e P	Z	00:12:16.6	76.3	28.5	1.1	13	5.0
GEC2	e P	Z	00:12:16.2	76.3	29.0	0.6	7	4.9
GRA1	e P	Z	00:12:16.8	76.3	27.6	0.8	21	5.3
FUR	e P	Z	00:12:23.9	77.7	27.4	0.9	12	5.0
STU	e P	Z	00:12:24.4	77.8	26.2	0.7	9	5.0
BFO	e P	Z	00:12:27.7	78.4	25.6	1.1	7	4.6

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/27 18:12:38.6 21.310S 173.890W 50.8 5.1 SZGRF  
 Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	18:32:15.5	147.2	7.3					
NRDL	e PKPbc	Z	18:32:19.5	148.7	7.2					
IBBN	e PKPdf	Z	18:32:17.6	149.0	3.0					
	e PKPbc	Z	18:32:20.6							
	e pPKPbc	Z	18:32:35.6							
CLZ	e PKPdf	Z	18:32:18.1	149.3	7.8					
	e pPKPbc	Z	18:32:36.8							
CLL	e PKPdf	Z	18:32:18.0	149.5	12.7					
	i PKPbc	Z	18:32:21.9			1.1	195			
	e PKPab	Z	18:32:26.8							
	e pPKPbc	Z	18:32:37.0							
	e PP	Z	18:35:47.9							
	e PSKS	N	18:46:00.8							
	e (SS)	E	18:54:53.6							
	e (SSSS)	N	19:04:27.8							
BRG	e PKPdf	Z	18:32:18.8	149.8	14.6					
	e PKPbc	Z	18:32:22.7							
BUG	e PKPdf	Z	18:32:19.0	149.9	2.2					
	e PKPbc	Z	18:32:22.6							
	e pPKPbc	Z	18:32:37.6							
UBBA	e PKPdf	Z	18:32:19.3	150.3	7.3					
	e PKPbc	Z	18:32:23.5							
	e pPKPbc	Z	18:32:38.7							
MOX	e PKPdf	Z	18:32:19.6	150.3	10.4					
	e PKPbc	Z	18:32:24.0							
MANZ	e PKPdf	Z	18:32:20.6	150.9	11.6					
	e PKPbc	Z	18:32:25.7							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

87

	e pPKPbc	Z	18:32:40.9							
ROTZ	e PKPdf	Z	18:32:20.9	151.1	11.8					
	e PKPbc	Z	18:32:26.0							
GRA1	e PKPdf	Z	18:32:21.3	151.3	10.0					
	e PKPbc	Z	18:32:26.6							
	e pPKPbc	Z	18:32:42.0							
	e L	Z	19:42:49.1			21.9	334		5.1	
WLF	e PKPdf	Z	18:32:22.3	151.6	0.1					
	e PKPbc	Z	18:32:27.8							
WET	e PKPdf	Z	18:32:21.6	151.6	13.4					
	e PKPbc	Z	18:32:27.1							
	e pPKPbc	Z	18:32:42.4							
GEC2	e PKPdf	Z	18:32:21.8	151.8	15.1					
	e PKPbc	Z	18:32:27.6							
STU	e PKPdf	Z	18:32:23.2	152.4	6.2					
	e PKPbc	Z	18:32:28.7							
	e pPKPbc	Z	18:32:44.4							
FUR	e PKPdf	Z	18:32:23.9	152.8	10.6					
	e PKPbc	Z	18:32:30.1							
BFO	e PKPbc	Z	18:32:30.2	152.9	4.5					
	e pPKPbc	Z	18:32:45.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/28	09:10:56.6	19.493S	178.609W	425.0				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z	09:29:47.9	146.3	14.9					
	e pPKPbc	Z	09:31:28.9							
IBBN	e PKPbc	Z	09:29:51.3	146.8	11.0					
	e pPKPbc	Z	09:31:30.6							
CLZ	e PKPbc	Z	09:29:50.5	146.9	15.6					
	e pPKPbc	Z	09:31:31.0							
CLL	e PKPbc	Z	09:29:47.6	146.9	20.3					
	e pPKPbc	Z	09:31:30.7							
BRG	e PKPbc	Z	09:29:47.8	147.1	22.2					
	e pPKPbc	Z	09:31:31.5							
ROTZ	e pPKPbc	Z	09:31:34.8	148.5	19.8					
GRA1	e PKPbc	Z	09:29:54.4	148.8	18.1					
GEC2	e PKPbc	Z	09:29:52.9	149.0	23.0					
WLF	e PKPbc	Z	09:30:00.1	149.6	8.9					
	e pPKPbc	Z	09:31:38.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/28	12:51:50.7	18.190S	171.970W	10.0				SZGRF

Tonga Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	13:11:28.2	145.4	9.7					
NRDL	e PKPbc	Z	13:11:28.5	145.7	3.5					
IBBN	e PKPbc	Z	13:11:29.7	145.9	359.5					
CLZ	e PKPbc	Z	13:11:31.5	146.3	4.0					
CLL	e PKPbc	Z	13:11:31.9	146.6	8.6					
BRG	e PKPbc	Z	13:11:33.0	147.0	10.3					
FBE	e PKPbc	Z	13:11:33.5	147.0	9.3					
MOX	e PKPbc	Z	13:11:34.5	147.4	6.3					
WERD	e PKPbc	Z	13:11:34.6	147.6	7.6					
GUNZ	e PKPbc	Z	13:11:35.2	147.6	7.7					
	e PKPab	Z	13:11:37.8							
WERN	e PKPab	Z	13:11:38.0	147.7	7.7					
MANZ	e PKPbc	Z	13:11:36.3	148.0	7.3					
ROTZ	e PKPbc	Z	13:11:36.6	148.2	7.6					
WLF	e PKPbc	Z	13:11:37.4	148.5	356.6					
WET	e PKPbc	Z	13:11:38.8	148.8	8.9					
GEC2	e PKPbc	Z	13:11:38.2	149.0	10.5					
	e PKPab	Z	13:11:43.1							
BFO	e PKPbc	Z	13:11:41.6	149.9	0.6					
	e PKPab	Z	13:11:46.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	01:03:27.8	4.600S	151.800E	127.8				NEIC
New Britain, Papua New Guinea, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	01:22:06.9	121.6	46.8					
	e pPKPdf	Z	01:22:41.2							
	e PP	Z	01:23:42.4							
	e pPP	Z	01:24:28.9							
BRG	e PKPdf	Z	01:22:08.1	121.9	52.0					
	e pPP	Z	01:24:31.3							
	e		01:41:11.0							
CLL	e Pdiff	Z	01:18:39.4	122.1	50.8					
	e PKPdf	Z	01:22:06.8			0.8	21			
	e pPKPdf	Z	01:22:41.6							
	e PP	Z	01:23:44.4							
	e sPP	Z	01:24:33.5							
	e PPP	Z	01:26:20.3							
	e sPPP	Z	01:27:08.7							
	e PPPP	Z	01:28:23.8							
	e PS	E	01:33:32.9							
	e sPS	E	01:34:23.5							
	e SS	N	01:40:15.9							



	e sSS	N	01:41:12.5		
	e SSS	N	01:44:50.8		
	e LR	Z	02:02:06.4		
FBE	e PKPdf	Z	01:22:08.8	122.2	51.4
NRDL	e PKPdf	Z	01:22:09.5	122.7	47.2
	e pPKPdf	Z	01:22:43.4		
	e PP	Z	01:23:49.7		
	e pPP	Z	01:24:30.1		
WERD	e PKPdf	Z	01:22:10.0	123.0	50.5
CLZ	e PKPdf	Z	01:22:09.1	123.0	47.8
	e pPKPdf	Z	01:22:43.8		
	e PP	Z	01:23:52.4		
	e pPP	Z	01:24:37.7		
	e		01:41:26.3		
GUNZ	e PKPdf	Z	01:22:09.2	123.0	50.6
WERN	e PKPdf	Z	01:22:10.3	123.1	50.7
	e pPKPdf	Z	01:22:44.0		
MOX	e PKPdf	Z	01:22:08.7	123.2	49.7
	e pPP	Z	01:24:39.7		
	e pPPP	Z	01:27:17.2		
	e		01:41:30.4		
GEC2	e PKPdf	Z	01:22:09.3	123.3	52.8
	e pPP	Z	01:24:40.5		
	e		01:41:30.9		
MANZ	e PKPdf	Z	01:22:10.2	123.4	50.5
	e pPKPdf	Z	01:22:44.6		
	e pPP	Z	01:24:40.7		
	e pPPP	Z	01:27:17.5		
ROTZ	e PKPdf	Z	01:22:09.3	123.5	50.8
	e pPP	Z	01:24:39.9		
	e		01:41:37.2		
WET	e PKPdf	Z	01:22:09.4	123.5	51.8
	e pPP	Z	01:24:41.1		
IBBN	e PKPdf	Z	01:22:10.2	123.8	44.8
	e pPKPdf	Z	01:22:45.7		
	e pPP	Z	01:24:42.0		
	e pPPP	Z	01:27:23.9		
UBBA	e PKPdf	Z	01:22:09.3	123.9	47.9
	e PP	Z	01:23:57.6		
	e pPP	Z	01:24:42.6		
	e		01:41:33.8		
GRA1	e PKPdf	Z	01:22:10.8	124.0	49.8
	e PP	Z	01:23:58.5		
	e pPP	Z	01:24:44.9		
	e pPPP	Z	01:27:23.5		
	e		01:41:41.1		
BUG	e PKPdf	Z	01:22:13.3	124.7	44.7
	e pPKPdf	Z	01:22:46.7		
FUR	e PKPdf	Z	01:22:13.2	125.0	50.6

	e pPKPdf	Z	01:22:47.4		
	e PP	Z	01:24:01.4		
	e pPPP	Z	01:27:32.5		
STU	e PKPdf	Z	01:22:15.0	125.6	48.1
	e pPKPdf	Z	01:22:49.2		
	e pPP	Z	01:24:55.3		
	e pPPP	Z	01:27:36.7		
	e		01:42:01.9		
BFO	e PKPdf	Z	01:22:15.0	126.3	47.4
	e PP	Z	01:24:14.5		
	e pPP	Z	01:24:59.1		
	e pPPP	Z	01:27:42.6		
WLF	e PKPdf	Z	01:22:16.2	126.4	44.3
	e pPKPdf	Z	01:22:50.6		
	e PP	Z	01:24:16.8		
	e pPP	Z	01:25:00.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	02:54:41.0	45.949N	152.092E	33.0N	4.8			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 03:06:19.0	75.0	26.5	1.0	9	4.7		
NRDL	e P	Z 03:06:27.1	76.3	26.2	1.1	8	4.8		
CLL	e P	Z 03:06:27.9	76.6	27.9	0.7	17	5.3		
BRG	e P	Z 03:06:28.5	76.7	28.5	0.8	4	4.6		
CLZ	e P	Z 03:06:30.1	76.8	26.3	1.2	14	5.0		
MOX	e P	Z 03:06:33.7	77.5	26.9	1.0	9	4.9		
MANZ	e P	Z 03:06:36.3	78.0	27.2	1.0	7	4.7		
ROTZ	e P	Z 03:06:37.4	78.2	27.2	1.1	10	4.7		
WET	e P	Z 03:06:39.6	78.5	27.6	1.0	11	4.8		
GRA1	e P	Z 03:06:39.4	78.5	26.6	0.8	18	5.1		
GEC2	e P	Z 03:06:39.4	78.5	28.1	1.0	7	4.6		
STU	e P	Z 03:06:47.3	79.9	25.2	0.8	11	4.8		
BFO	e P	Z 03:06:50.1	80.6	24.6	0.9	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	05:48:29.5	13.800S	166.600E	65.0				NEIC
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 06:07:46.0							
	e pPKPdf	Z 06:08:03.9							
	e sPKPdf	Z 06:08:10.4							
	e PP	Z 06:10:30.3							

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

91

	e (PPS)	N	06:22:43.6							
	e (SS)	N	06:28:35.2							
GRA1	e PKPdf	Z	06:07:47.7	138.9	37.9					
	e PP	Z	06:10:42.2							
	e SKPdf	Z	06:11:22.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	06:34:25.9	24.290S	178.590W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 06:54:11.9	149.6	16.2					
CLL	e PKPbc	Z 06:54:17.0	151.6	22.6					
CLZ	e PKPbc	Z 06:54:17.2	151.6	17.4					
BRG	e PKPbc	Z 06:54:17.6	151.7	24.7					
MOX	e PKPbc	Z 06:54:19.1	152.5	20.5					
MANZ	e PKPbc	Z 06:54:20.5	153.0	21.9					
ROTZ	e PKPbc	Z 06:54:20.8	153.2	22.2					
GRA1	e PKPbc	Z 06:54:21.4	153.5	20.3					
GEC2	e PKPbc	Z 06:54:21.4	153.6	25.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	09:38:38.3	41.562N	75.716E	33.0N	4.6			SZGRF

Kyrgyzstan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:46:46.1	44.4	74.8	1.4	12	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	09:36: 4.1	1.100S	127.400E	10.0		5.8		NEIC

Halmahera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e Pdiff	Z 09:50:15.0							
	e PKiKP	Z 09:54:27.3							
	e PP	Z 09:54:39.7							
	e pPP	Z 09:54:45.0							
	e sPP	Z 09:54:48.0							
	e (PPP)	Z 09:57:03.0							
	e SKSac	E 10:00:54.3							
	e Sdiff	N 10:02:12.3							
	e PS	Z 10:03:57.3							
	e PPS	E 10:04:53.0							

	e	SS	E	10:09:50.9							
	e	SSS	E	10:13:45.4							
	e	LR	Z	10:29:20.2							
GRA1	e	Pdiff	Z	09:50:21.0	107.5	70.1					
	e	PP	Z	09:54:45.2							
	e			09:57:12.4							
	e	SP	Z	10:03:58.5							
	e	L	Z	10:44:30.3			19.3	2321		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	15:50:54.7	17.867S	173.114W	10.0				SZGRF
Tonga Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 16:10:27.3	143.8	5.5					
NRDL	e	PKPbc	Z 16:10:32.1	145.3	5.4					
IBBN	e	PKPbc	Z 16:10:33.3	145.6	1.5					
CLZ	e	PKPbc	Z 16:10:34.4	145.9	5.9					
CLL	e	PKPbc	Z 16:10:34.7	146.2	10.5					
BUG	e	PKPbc	Z 16:10:35.6	146.4	0.7					
BRG	e	PKPbc	Z 16:10:35.9	146.5	12.2					
UBBA	e	PKPbc	Z 16:10:36.9	147.0	5.4					
MOX	e	PKPbc	Z 16:10:37.3	147.0	8.3					
TANN	e	PKPbc	Z 16:10:37.6	147.1	9.8					
MANZ	e	PKPbc	Z 16:10:38.6	147.6	9.3					
ROTZ	e	PKPbc	Z 16:10:39.4	147.8	9.5					
GRA1	e	PKPbc	Z 16:10:39.7	148.0	7.8					
WLF	e	PKPbc	Z 16:10:40.8	148.2	358.7					
WET	e	PKPbc	Z 16:10:41.1	148.3	10.9					
GEC2	e	PKPbc	Z 16:10:40.9	148.5	12.5					
STU	e	PKPbc	Z 16:10:43.1	149.0	4.3					
FUR	e	PKPbc	Z 16:10:43.3	149.5	8.2					
BFO	e	PKPbc	Z 16:10:43.6	149.5	2.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/29	18:35: 1.0	53.700N	164.690W	33.0N	5.1			SZGRF
Unimak Island, Alaska, United States, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	P	Z 18:46:25.9	72.3	356.9	0.9	18	5.2		
NRDL	e	P	Z 18:46:34.4	73.7	356.8	1.1	26	5.2		
IBBN	e	P	Z 18:46:35.1	73.8	355.4	1.4	69	5.5		
CLZ	e	P	Z 18:46:37.9	74.4	357.0	1.1	32	5.3		
BUG	e	P	Z 18:46:39.3	74.6	355.1	1.3	35	5.2		
CLL	e	P	Z 18:46:41.1	75.0	358.6	1.1	19	5.1		

UBBA	e P	Z	18:46:43.3	75.4	356.8	0.7	4	4.6
BRG	e P	Z	18:46:44.0	75.4	359.2	0.9	13	5.0
MOX	e P	Z	18:46:45.2	75.6	357.7	0.8	18	5.3
TANN	e P	Z	18:46:46.5	75.9	358.3	1.0	9	4.9
MANZ	e P	Z	18:46:48.8	76.3	358.0	1.1	9	4.8
WLF	e P	Z	18:46:49.3	76.3	354.4	0.9	20	5.3
ROTZ	e P	Z	18:46:50.6	76.5	358.1	1.1	16	5.0
GRA1	e P	Z	18:46:50.9	76.6	357.5	1.1	21	5.2
WET	e P	Z	18:46:54.0	77.1	358.5	1.4	18	5.0
STU	e P	Z	18:46:55.2	77.4	356.3	0.9	17	5.2
GEC2	e P	Z	18:46:55.4	77.4	359.0	0.9	9	4.9
BFO	e P	Z	18:46:57.3	77.8	355.8	1.7	30	5.2
FUR	e P	Z	18:46:59.1	78.1	357.6	1.0	20	5.2

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/30 02:01: 3.0 5.600S 147.300E 212.0 NEIC  
 Eastern New Guinea, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 02:19:28.5	120.5	57.1					
FBE	e PKPdf	Z 02:19:29.4	120.7	56.5					
NEUB	e PKPdf	Z 02:19:30.2	121.4	54.8					
NRDL	e PKPdf	Z 02:19:30.5	121.5	52.5					
TANN	e PKPdf	Z 02:19:30.4	121.5	55.9					
WERD	e PKPdf	Z 02:19:30.4	121.6	55.7					
GUNZ	e PKPdf	Z 02:19:30.6	121.6	55.8					
WERN	e PKPdf	Z 02:19:30.7	121.6	55.8					
GEC2	e PKPdf	Z 02:19:30.5	121.7	57.9					
CLZ	e PKPdf	Z 02:19:31.2	121.7	53.0					
MANZ	e PKPdf	Z 02:19:31.4	121.9	55.7					
WET	e PKPdf	Z 02:19:31.5	122.0	56.9					
GRA1	e PKPdf	Z 02:19:32.4	122.6	55.0					
GRFO	e PKPdf	Z 02:19:32.3	122.6	55.0					
STU	e PKPdf	Z 02:19:35.7	124.2	53.4					

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/30

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 19:57:48.9							

Date Origin Time Lat Long Depth mb Ms ML Source  
 2007/05/30 20:22:15.6 51.780N 155.290E 139.5 6.5 SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML								
RGN	e P	Z	20:33:08.8	69.1	24.1	2.4	3242	7.1										
	e S	T	20:42:06.4															
BSEG	e P	Z	20:33:15.7	70.3	22.2	1.6	703	6.5										
	e S	T	20:42:20.2															
RUE	e P	Z	20:33:19.6	70.8	24.1	2.2	2128	6.9										
	e S	T	20:42:25.6															
NRDL	e P	Z	20:33:24.6	71.7	21.8	1.6	491	6.4										
CLL	e P	Z	20:33:25.8	72.1	23.4	1.3	409	6.4										
	e PcP	Z	20:33:45.1															
	e pP	Z	20:33:58.6															
	e sP	Z	20:34:10.5															
	e PP	Z	20:36:07.1															
	e PPP	Z	20:37:55.7															
	e S	E	20:42:40.4															
	e SKSac	E	20:43:16.8															
	e sS	E	20:43:35.9															
	e SS	E	20:47:23.7															
	e sSS	E	20:48:14.3															
	e SSS	E	20:50:59.7															
	e LR	Z	20:57:02.0															
	CLZ	e P	Z								20:33:27.6	72.2	21.9	2.2	2090	6.9		
		e S	T								20:42:41.9							
BRG	e P	Z	20:33:27.4	72.3	23.9	1.8	499	6.3										
	e S	T	20:42:41.2															
FBE	e P	Z	20:33:28.8	72.4	23.6	2.3	1657	6.8										
IBBN	e P	Z	20:33:28.3	72.4	20.4													
	e pP	Z	20:34:02.9															
	e S	T	20:42:42.2															
MOX	e P	Z	20:33:31.9	73.1	22.5	1.6	525	6.4										
	e S	T	20:42:50.7															
TANN	e P	Z	20:33:32.2	73.1	23.0	1.9	673	6.5										
	e pP	Z	20:34:07.1															
	e S	T	20:42:50.2															
WERD	e P	Z	20:33:32.4	73.1	22.9	1.9	878	6.6										
GUNZ	e P	Z	20:33:32.7	73.1	22.9	1.7	714	6.5										
WERN	e P	Z	20:33:33.5	73.2	22.9	1.5	484	6.3										
BUG	e P	Z	20:33:33.4	73.3	20.0	1.4	601	6.4										
	e S	T	20:42:52.8															
MANZ	e P	Z	20:33:34.8	73.5	22.7	1.5	349	6.2										
	e pP	Z	20:34:09.8															
	e S	T	20:42:56.4															
ROTZ	e P	Z	20:33:36.2	73.7	22.8	1.7	585	6.3										
	e S	T	20:42:58.1															
GRA1	e P	Z	20:33:38.3	74.0	22.2	1.5	957	6.6										
	e sP	Z	20:34:24.2															
	e S	T	20:43:01.7															

	e		21:04:23.1							
WET	e P	Z	20:33:38.7	74.1	23.1	1.5	687	6.4		
	e pP	Z	20:34:12.8							
	e S	T	20:43:03.7							
GEC2	e P	Z	20:33:39.0	74.2	23.5	1.6	428	6.2		
	e S	T	20:43:03.5							
WLF	e P	Z	20:33:45.8	75.2	19.2	2.1	1723	6.8		
	e S	T	20:43:15.7							
STU	e P	Z	20:33:46.0	75.4	20.9	1.5	481	6.4		
	e pP	Z	20:34:20.3							
	e S	T	20:43:16.0							
FUR	e P	Z	20:33:46.4	75.4	22.1	1.3	622	6.6		
	e S	T	20:43:16.2							
RJOB	e P	Z	20:33:47.4	75.4	22.9					
	e S	T	20:43:17.8							
BFO	e P	Z	20:33:48.8	76.0	20.3	1.5	412	6.3		
	e S	T	20:43:21.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/30	22:31: 8.7	34.193N	143.691E	33.0N	4.8			SZGRF
Off east coast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:43:46.9	86.1	37.7	0.7	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/31	19:00:14.0	61.088N	168.352E	33.0N	4.9			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 19:10:55.4	65.7	11.5	1.1	8	4.9		
MOX	e P	Z 19:11:01.5	66.7	12.0	0.7	4	4.8		
MANZ	e P	Z 19:11:07.2	67.3	12.2	1.1	6	4.7		
ROTZ	e P	Z 19:11:06.6	67.5	12.2	2.2	28	5.1		
GRA1	e P	Z 19:11:08.5	67.7	11.7	2.2	52	5.4		
WET	e P	Z 19:11:09.8	68.0	12.5	1.1	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/31	21:02:25.2	32.947N	91.597E	33.0N	4.7			SZGRF
Xizang								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 21:12:12.0	57.6	76.0	1.5	10	4.6		

./2007/bul0705.txt

Thu Apr 23 08:38:25 2020

96

GEC2	e P	Z	21:12:16.4	58.3	74.6	1.2	6	4.5
WET	e P	Z	21:12:18.3	58.8	74.3			
ROTZ	e P	Z	21:12:21.9	59.0	74.2	2.4	44	5.1
BSEG	e P	Z	21:12:22.4	59.0	75.3	1.3	14	4.9
NRDL	e P	Z	21:12:24.8	59.5	74.3	1.2	10	4.7
CLZ	e P	Z	21:12:25.1	59.6	74.2	1.2	10	4.7
GRA1	e P	Z	21:12:26.4	59.6	73.5	1.7	25	5.0
UBBA	e P	Z	21:12:29.1	60.1	73.3	1.2	5	4.4
BFO	e P	Z	21:12:29.5	61.9	70.9			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/31	22:28:51.4	35.083N	139.810E	33.0N	4.6			SZGRF

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:41:17.8	83.8	40.0	0.8	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/05/31	23:18:14.7	9.891N	92.981E	33.0N	5.6	4.9		SZGRF

Nicobar Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 23:29:56.3	75.4	92.2	1.7	82	5.5		
GEC2	e P	Z 23:29:56.5	75.5	91.5	2.3	215	5.9		
CLL	e P	Z 23:29:59.0	76.0	91.6	1.6	50	5.4		
WET	e P	Z 23:29:59.3	76.1	90.9	2.2	119	5.6		
TANN	e P	Z 23:30:01.0	76.4	90.9	1.7	46	5.3		
ROTZ	e P	Z 23:30:02.4	76.5	90.6	1.5	68	5.6		
MANZ	e P	Z 23:30:02.8	76.6	90.5	1.6	100	5.7		
GRA1	e P	Z 23:30:05.5	77.2	89.8	1.7	113	5.7		
	e PP	Z 23:33:10.2							
	e S	T 23:40:03.6							
CLZ	e P	Z 23:30:08.4	77.7	89.6	1.0	41	5.5		
BSEG	e P	Z 23:30:08.9	77.7	90.0	1.0	80	5.8		
NRDL	e P	Z 23:30:09.6	77.8	89.6	1.5	95	5.7		
BFO	e P	Z 23:30:15.3	79.1	87.3	1.1	25	5.1		
IBBN	e P	Z 23:30:17.1	79.3	87.7	1.0	70	5.7		
BUG	e P	Z 23:30:18.9	79.6	87.1	1.3	62	5.4		
WLF	e P	Z 23:30:23.6	80.4	86.0	1.8	93	5.4		
GRA1	e L	Z 00:11:09.3	77.2	89.8	20.1	549		4.9	



## Format description

=====

(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