

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

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(produced by SZGRF/BGR - ERLANGEN)

JUNE 2007 UPDATED 18.AUGUST.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
2007/06/01	11:51:38.0	55.870N	162.940E	33.0N	5.2	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	12:02:36.0	67.9	16.2	1.0	13	5.1		
RUE	e P	Z	12:02:40.8	68.7	18.0	1.1	32	5.5		
NRDL	e P	Z	12:02:44.7	69.3	15.9	1.1	10	4.9		
IBBN	e P	Z	12:02:48.3	69.9	14.5	0.5	16	5.4		
CLZ	e P	Z	12:02:48.7	69.9	16.0	1.3	29	5.3		
CLL	e P	Z	12:02:48.1	70.0	17.4	1.1	24	5.2		
BRG	e P	Z	12:02:49.6	70.2	17.9	1.0	15	5.0		
FBE	e P	Z	12:02:50.5	70.3	17.6	1.2	30	5.3		
MOX	e P	Z	12:02:53.9	70.9	16.6	1.0	15	5.1		
WERD	e P	Z	12:02:54.4	70.9	16.9	1.0	19	5.2		
TANN	e P	Z	12:02:54.6	70.9	17.0	1.3	18	5.0		
UBBA	e P	Z	12:02:54.6	71.0	15.7	1.7	32	5.2		
GUNZ	e P	Z	12:02:55.0	71.0	16.9	1.6	29	5.2		
WERN	e P	Z	12:02:55.4	71.1	16.9	0.8	18	5.3		
MANZ	e P	Z	12:02:57.2	71.4	16.8	0.9	10	4.9		
ROTZ	e P	Z	12:02:58.6	71.6	16.8	1.2	17	5.1		
GRA1	e P	Z	12:03:00.3	71.8	16.2	1.1	29	5.3		
	e L	Z	12:34:17.5			21.9	210		4.4	
WET	e P	Z	12:03:01.5	72.1	17.1	1.3	23	5.1		
GEC2	e P	Z	12:03:01.9	72.2	17.5	1.5	24	5.1		
FUR	e P	Z	12:03:08.5	73.3	16.1	0.8	18	5.3		
RJOB	e P	Z	12:03:09.5	73.4	16.9	0.9	14	5.1		
BFO	e P	Z	12:03:10.4	73.7	14.5	1.4	19	4.9		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/01	14:20:17.6	36.427N	71.029E	18.4	4.5			SZGRF
Afghanistan-Tajikistan border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:28:27.2	44.4	83.8	0.9	6	4.5		
	e pP	Z 14:28:32.1			0.9	6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/01	15:23:0.1	34.100S	178.800W	10.0				NEIC
South of Kermadec Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKP	Z 15:43:34.3	159.1	21.6					
CLL	e PKP	Z 15:43:40.9	160.8	31.0					
	e pPKP	Z 15:43:52.3							
BRG	e PKP	Z 15:43:41.3	160.8	33.8					
FBE	e PKP	Z 15:43:42.8	161.0	32.4					
CLZ	e PKP	Z 15:43:42.7	161.1	24.0					
IBBN	e PKP	Z 15:43:43.2	161.2	17.1					
TANN	e PKP	Z 15:43:45.6	161.7	31.0					
WERD	e PKP	Z 15:43:45.4	161.7	30.6					
MOX	e PKP	Z 15:43:46.0	161.8	28.6					
GUNZ	e PKP	Z 15:43:46.0	161.8	30.8					
	e pPKP	Z 15:43:57.2							
WERN	e PKP	Z 15:43:46.2	161.9	31.0					
MANZ	e PKP	Z 15:43:47.7	162.2	30.9					
ROTZ	e PKP	Z 15:43:48.7	162.4	31.5					
GEC2	e PKP	Z 15:43:48.9	162.6	36.8					
WET	e PKP	Z 15:43:49.6	162.7	34.2					
GRA1	e PKP	Z 15:43:50.5	162.8	29.1					
	e pPKP	Z 15:44:01.8							
WLF	e PKP	Z 15:43:55.8	164.0	15.0					
FUR	e PKP	Z 15:43:56.2	164.1	31.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/01	16:09:5.0	18.398S	176.353W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 16:28:35.4	144.1	10.8					
NRDL	e PKPbc	Z 16:28:39.7	145.5	10.9					
CLZ	e PKPbc	Z 16:28:41.8	146.1	11.5					
CLL	e PKPbc	Z 16:28:41.6	146.3	16.1					
BRG	e PKPbc	Z 16:28:42.3	146.5	17.9					

FBE	e	PKPbc	Z	16:28:42.6	146.6	16.9
MOX	e	PKPbc	Z	16:28:44.0	147.1	14.0
WERD	e	PKPbc	Z	16:28:44.3	147.2	15.3
TANN	e	PKPbc	Z	16:28:44.2	147.2	15.6
GUNZ	e	PKPbc	Z	16:28:44.8	147.3	15.4
MANZ	e	PKPbc	Z	16:28:45.8	147.7	15.1
ROTZ	e	PKPbc	Z	16:28:46.1	147.9	15.4
GRA1	e	PKPbc	Z	16:28:47.0	148.1	13.7
GEC2	e	PKPbc	Z	16:28:47.6	148.5	18.5
WLF	e	PKPbc	Z	16:28:49.0	148.7	4.6
STU	e	PKPbc	Z	16:28:50.3	149.3	10.3
BFO	e	PKPbc	Z	16:28:51.1	149.8	8.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/01	17:07:49.4	29.825S	13.184W	33.0N	4.7			SZGRF
Southern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:20:08.7	82.4	201.2	1.6	11	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/01	19:22: 6.0	3.500S	148.700E	10.0N		5.2		NEIC
Bismarck Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e L	Z 20:34:08.4	121.5	52.3	21.2	630		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/01	23:43:31.5	16.270S	172.290W	33.0N				SZGRF
Samoa Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NEUB	e	PKPbc	Z	00:03:03.3	144.9	6.8			
FBE	e	PKPbc	Z	00:03:05.5	145.1	9.5			
MOX	e	PKPbc	Z	00:03:05.9	145.5	6.6			
WERD	e	PKPbc	Z	00:03:06.1	145.6	7.8			
TANN	e	PKPbc	Z	00:03:06.5	145.6	8.1			
GUNZ	e	PKPbc	Z	00:03:06.9	145.7	7.9			
WERN	e	PKPbc	Z	00:03:07.2	145.8	8.0			
ROTZ	e	PKPbc	Z	00:03:08.2	146.3	7.8			
GRA1	e	PKPbc	Z	00:03:09.8	146.5	6.1			
GEC2	e	PKPbc	Z	00:03:10.3	147.1	10.6			
BFO	e	PKPbc	Z	00:03:13.1	147.9	1.1			

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RJOB e PKPbc Z 00:03:14.7 148.3 9.3

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/02

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 02:05:35.0

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/02 04:38:26.6 32.609N 138.600E 33.0N 4.6
Southeast of Honshu, Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 04:51:01.1 85.4 42.2 1.1 6 4.6
e PP Z 04:54:24.7

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/02 05:43: 7.5 35.560N 141.090E 33.0N 4.9
Near east coast of eastern Honshu, Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG e P Z 05:55:20.0 80.9 38.6 1.1 11 4.8
BRG e P Z 05:55:24.8 81.9 40.9 0.8 7 4.8
CLL e P Z 05:55:25.0 81.9 40.3 1.1 16 5.1
NRDL e P Z 05:55:26.1 82.2 38.3 0.9 6 4.7
CLZ e P Z 05:55:28.9 82.6 38.4 0.9 11 5.1
TANN e P Z 05:55:29.7 82.8 39.8 0.8 3 4.5
MOX e P Z 05:55:30.5 83.0 39.2 0.7 4 4.8
ROTZ e P Z 05:55:33.2 83.4 39.6 0.7 5 4.8
GEC2 e P Z 05:55:32.8 83.5 40.6 1.0 5 4.7
WET e P Z 05:55:34.1 83.6 40.0 1.0 6 4.8
GRA1 e P Z 05:55:35.8 83.9 38.9 0.8 14 5.3
FUR e P Z 05:55:41.8 85.1 38.8 0.6 20 5.5
BFO e P Z 05:55:45.9 86.1 36.8 1.0 12 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/02 09:18:57.8 31.876N 39.186W 21.0 4.1
Northern Mid-Atlantic Ridge

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 09:26:41.0 41.2 263.8 1.0 4 4.1

e pP Z 09:26:46.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/02	14:06:37.4	30.104N	41.773W	33.0N	4.8	4.7		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 14:14:15.7	40.8	259.7	1.8	52	5.0		
BFO	e P	Z 14:14:26.3	42.0	263.0	1.3	19	4.7		
STU	e P	Z 14:14:30.9	42.6	263.3	0.9	12	4.6		
UBBA	e P	Z 14:14:37.1	43.4	261.8	1.8	35	4.8		
NRDL	e P	Z 14:14:41.5	43.7	260.1	1.2	24	4.8		
CLZ	e P	Z 14:14:40.6	43.7	261.1	1.1	19	4.7		
	e PP	Z 14:16:17.6							
GRA1	e P	Z 14:14:41.9	44.0	264.0	1.8	50	4.9		
	e S	E 14:21:16.9							
	e L	Z 14:30:10.4			19.0	801		4.7	
BSEG	e P	Z 14:14:42.9	44.1	258.9	1.4	55	5.1		
MOX	e P	Z 14:14:45.3	44.4	263.4	1.6	24	4.7		
ROTZ	e P	Z 14:14:47.2	44.6	264.7	1.3	8	4.5		
	e PP	Z 14:16:31.8							
TANN	e P	Z 14:14:50.2	44.9	264.3	1.1	8	4.6		
WET	e P	Z 14:14:50.3	45.0	265.9					
CLL	e P	Z 14:14:52.2	45.3	263.9	1.2	12	4.7		
GEC2	e P	Z 14:14:54.7	45.5	266.9	2.3	69	5.3		
	e PP	Z 14:16:42.7							
BRG	e P	Z 14:14:56.7	45.8	265.1	1.7	26	5.0		
	e PP	Z 14:16:44.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/02	18:23:52.3	38.838N	43.003E	33.0N	4.2			SZGRF

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:29:13.2	25.0	103.6	1.2	6	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/02	21:34:56.0	21.680N	101.130E	33.0N	5.5	6.2		SZGRF

Myanmar-China border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 21:46:15.3	71.6	78.0	0.9	32	5.4		
CLL	e P	Z 21:46:17.8	72.1	77.4	1.3	39	5.4		

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GEC2	e P	Z	21:46:19.2	72.2	77.2	1.0	35	5.4		
TANN	e P	Z	21:46:21.5	72.6	76.7	1.1	30	5.3		
WET	e P	Z	21:46:22.0	72.7	76.7	0.9	33	5.4		
ROTZ	e P	Z	21:46:23.7	72.9	76.4	1.2	66	5.6		
MANZ	e P	Z	21:46:23.8	73.0	76.4	1.7	73	5.5		
BSEG	e P	Z	21:46:24.4	73.1	76.2	1.3	78	5.7		
MOX	e P	Z	21:46:24.2	73.1	76.2	1.2	34	5.4		
GRB3	e PKPPKP	Z	22:14:07.2	73.3	76.0					
NRDL	e P	Z	21:46:27.3	73.6	75.6	1.3	72	5.6		
CLZ	e P	Z	21:46:27.2	73.6	75.6	0.9	52	5.6		
GRA1	e P	Z	21:46:27.7	73.6	75.6	1.4	74	5.6		
	e S	T	21:55:58.0							
	e L	Z	22:21:26.0			19.5	13937		6.2	
FUR	e P	Z	21:46:29.6	73.9	75.2	1.2	112	5.9		
	e PP	Z	21:49:12.2							
UBBA	e P	Z	21:46:29.8	74.1	75.1	1.6	44	5.3		
IBBN	e P	Z	21:46:35.5	75.0	73.8	0.9	45	5.5		
STU	e P	Z	21:46:36.3	75.1	74.0	1.2	96	5.7		
	e PP	Z	21:49:25.7							
BUG	e P	Z	21:46:38.6	75.5	73.2	1.3	51	5.4		
BFO	e P	Z	21:46:39.8	75.8	73.2	1.2	38	5.3		
WLF	e P	Z	21:46:46.2	76.7	72.0	1.4	130	5.9		

Date 2007/06/02 Origin Time 22:31: 0.3 Lat 18.510S Long 179.320W Depth 33.0N mb Ms ML Source SZGRF
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 22:50:41.2	147.7	18.9					
WET	e PKPbc	Z 22:50:41.3	147.8	22.1					
GEC2	e PKPbc	Z 22:50:42.0	147.9	23.7					
WLF	e PKPbc	Z 22:50:43.6	148.5	10.0					
BFO	e PKPbc	Z 22:50:46.2	149.5	14.4					

Date 2007/06/03 Origin Time Lat Long Depth mb Ms ML Source

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:44:26.8							

Date 2007/06/03 Origin Time Lat Long Depth mb Ms ML Source

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:00:29.3			0.7	2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/03	04:21:18.3	39.570N	78.209E	33.0N	5.0			SZGRF
Southern Xinjiang, China								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:29:47.4	47.1	75.6	1.9	26	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/03	04:17:21.3	18.108S	174.935W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 04:36:50.1	143.9	8.5					
NRDL	e PKPbc	Z 04:36:55.2	145.4	8.5					
IBBN	e PKPbc	Z 04:36:57.5	145.7	4.6					
CLZ	e PKPbc	Z 04:36:57.5	146.0	9.0					
CLL	e PKPbc	Z 04:36:57.8	146.2	13.7					
BRG	e PKPbc	Z 04:36:58.5	146.5	15.4					
BUG	e PKPbc	Z 04:36:58.5	146.6	3.8					
TANN	e PKPbc	Z 04:37:00.6	147.2	13.0					
ROTZ	e PKPbc	Z 04:37:02.4	147.8	12.8					
GRA1	e PKPbc	Z 04:37:03.1	148.0	11.1					
WLF	e PKPbc	Z 04:37:04.5	148.4	2.0					
GEC2	e PKPbc	Z 04:37:04.0	148.5	15.8					
FUR	e PKPbc	Z 04:37:06.5	149.5	11.7					
BFO	e PKPbc	Z 04:37:06.8	149.7	6.2					
RJOB	e PKPbc	Z 04:37:06.8	149.7	14.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/03	09:28:32.0	22.560S	177.937W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 09:48:14.0	148.0	14.5					
NRDL	e PKPbc	Z 09:48:17.4	149.4	14.7					
CLZ	e PKPbc	Z 09:48:19.3	150.0	15.5					
CLL	e PKPbc	Z 09:48:18.5	150.0	20.5					
BRG	e PKPbc	Z 09:48:19.5	150.2	22.5					
MOX	e PKPbc	Z 09:48:21.0	150.9	18.4					
TANN	e PKPbc	Z 09:48:21.1	151.0	20.1					

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ROTZ	e	PKPbc	Z	09:48:22.8	151.6	20.0
GRA1	e	PKPbc	Z	09:48:23.8	151.9	18.2
WLF	e	PKPbc	Z	09:48:25.7	152.7	8.3
STU	e	PKPbc	Z	09:48:26.3	153.2	14.7
FUR	e	PKPbc	Z	09:48:26.7	153.4	19.3
BFO	e	PKPbc	Z	09:48:27.6	153.8	13.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/03	18:07:15.0	30.407N	131.589E	33.0N	5.2			SZGRF

Kyushu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:19:42.6	84.0	48.4	1.1	18	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/04	04:33:40.7	34.116N	141.951E	33.0N	4.5			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:46:15.7	85.5	39.0	0.8	3	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/04	07:46:10.1	18.300S	176.750W	33.0G				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	08:04:40.9	143.9	11.4			
NRDL	e	PKPbc	Z	08:04:45.5	145.4	11.5			
IBBN	e	PKPbc	Z	08:04:47.4	145.8	7.6			
CLZ	e	PKPbc	Z	08:04:47.4	146.0	12.1			
CLL	e	PKPbc	Z	08:04:47.7	146.1	16.8			
BRG	e	PKPbc	Z	08:04:48.3	146.3	18.5			
FBE	e	PKPbc	Z	08:04:49.5	146.4	17.5			
BUG	e	PKPbc	Z	08:04:49.8	146.7	7.0			
MOX	e	PKPbc	Z	08:04:51.1	147.0	14.7			
UBBA	e	PKPbc	Z	08:04:50.9	147.0	11.8			
WERD	e	PKPbc	Z	08:04:49.8	147.0	15.9			
TANN	e	PKPbc	Z	08:04:50.5	147.1	16.2			
GUNZ	e	PKPbc	Z	08:04:50.9	147.1	16.0			
WERN	e	PKPbc	Z	08:04:51.1	147.2	16.1			
MANZ	e	PKPbc	Z	08:04:51.8	147.5	15.8			
ROTZ	e	PKPbc	Z	08:04:52.4	147.7	16.1			
GRA1	e	PKPbc	Z	08:04:53.7	148.0	14.4			

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GEC2	e	PKPbc	Z	08:04:53.6	148.3	19.1
BFO	e	PKPbc	Z	08:04:57.1	149.7	9.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/04	16:46:45.1	25.620S	175.560W	33.0N				SZGRF

South of Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	17:06:35.3	151.3	11.1			
CLZ	e	PKPbc	Z	17:06:40.3	153.4	12.0			
CLL	e	PKPbc	Z	17:06:40.0	153.5	17.5			
BRG	e	PKPbc	Z	17:06:40.7	153.7	19.6			
FBE	e	PKPbc	Z	17:06:41.6	153.8	18.4			
MOX	e	PKPbc	Z	17:06:42.1	154.4	15.1			
WERD	e	PKPbc	Z	17:06:42.4	154.4	16.6			
TANN	e	PKPbc	Z	17:06:42.3	154.4	17.0			
MANZ	e	PKPbc	Z	17:06:43.6	154.9	16.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/04	17:34:45.9	57.234N	2.105E	10.0G			4.1	SZGRF

North Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
HLG	e	Pn	Z	17:35:52.8	4.5	315.5			4.1
	e	Sn	N	17:36:41.4					
BSEG	e	Pn	Z	17:36:09.9	5.7	308.7			4.0
IBBN	e	Pn	Z	17:36:12.5	5.9	328.8			4.3
	e	Sn	N	17:37:15.9					
NRDL	e	Pn	Z	17:36:21.3	6.6	319.0			3.8
	e	Sn	E	17:37:32.5					
CLZ	e	Pn	Z	17:36:29.6	7.2	321.7			4.3
	e	Sn	E	17:37:46.3					
WLF	e	Pn	Z	17:36:40.6	7.9	343.9			4.4
MOX	e	Pn	Z	17:36:50.2	8.6	323.4			4.0
CLL	e	Pn	Z	17:36:50.4	8.7	317.3			4.1
TANN	e	Pn	Z	17:36:57.4	9.1	322.2			
BFO	e	Pn	Z	17:37:03.7	9.7	339.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/04	21:09: 0.5	7.200S	155.700E	10.0				NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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BSEG	e	PKPdf	Z	21:28:02.5	125.6	43.9
BRG	e	PKPdf	Z	21:28:03.2	126.1	49.5
CLL	e	PKPdf	Z	21:28:03.6	126.2	48.2
NRDL	e	PKPdf	Z	21:28:04.4	126.7	44.4
CLZ	e	PKPdf	Z	21:28:05.8	127.1	45.0
TANN	e	PKPdf	Z	21:28:05.0	127.1	48.1
MOX	e	PKPdf	Z	21:28:05.4	127.3	47.0
GEC2	e	PKPdf	Z	21:28:05.9	127.5	50.4
MANZ	e	PKPdf	Z	21:28:06.3	127.5	48.0
ROTZ	e	PKPdf	Z	21:28:05.9	127.6	48.2
WET	e	PKPdf	Z	21:28:06.0	127.7	49.3
UBBA	e	PKPdf	Z	21:28:06.1	127.9	45.2
GRA1	e	PKPdf	Z	21:28:07.7	128.2	47.2
	e	pPKPdf	Z	21:28:15.3		
BUG	e	PKPdf	Z	21:28:09.3	128.7	41.7
FUR	e	PKPdf	Z	21:28:10.1	129.2	48.1
STU	e	PKPdf	Z	21:28:11.7	129.8	45.4
WLF	e	PKPdf	Z	21:28:11.9	130.5	41.4
BFO	e	PKPdf	Z	21:28:11.8	130.5	44.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/04								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 21:32:30.0							
BSEG	e PKP	Z 21:32:29.3							
CLL	e PKP	Z 21:32:30.6							
CLZ	e PKP	Z 21:32:32.3							
GEC2	e PKP	Z 21:32:33.0							
GRA1	e PKP	Z 21:32:32.8							
MANZ	e PKP	Z 21:32:33.2							
NRDL	e PKP	Z 21:32:32.1							
TANN	e PKP	Z 21:32:32.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	04:33:31.4	24.380S	179.060E	500.0				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 04:52:22.5	149.3	20.4					
	e PKPab	Z 04:52:28.5							
NRDL	e PKPbc	Z 04:52:25.2	150.7	20.9					
	e PKPab	Z 04:52:33.9							
CLL	e PKPbc	Z 04:52:26.8	151.0	26.9					
	e PKPab	Z 04:52:36.2							

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BRG	e	PKPbc	Z	04:52:27.0	151.1	29.0
CLZ	e	PKPbc	Z	04:52:27.1	151.2	21.8
IBBN	e	PKPbc	Z	04:52:27.5	151.3	16.7
TANN	e	PKPbc	Z	04:52:28.6	152.0	26.7
	e	PKPab	Z	04:52:40.7		
MOX	e	PKPbc	Z	04:52:28.8	152.0	24.9
	e	PKPab	Z	04:52:40.4		
BUG	e	PKPbc	Z	04:52:29.1	152.2	16.2
MANZ	e	PKPab	Z	04:52:43.1	152.5	26.4
ROTZ	e	PKPab	Z	04:52:42.8	152.6	26.8
	e	pPKPbc	Z	04:54:30.7		
GEC2	e	PKPbc	Z	04:52:30.7	153.0	30.4
	e	PKPab	Z	04:52:45.0		
GRA1	e	PKPab	Z	04:52:45.1	153.0	25.0
	e	pPKPbc	Z	04:54:32.0		
WET	e	PKPab	Z	04:52:45.4	153.0	28.6
WLF	e	PKPab	Z	04:52:49.0	154.1	14.9
BFO	e	PKPab	Z	04:52:52.4	155.0	20.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	06:25:53.2	23.760S	179.040W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	06:45:37.6	149.0	16.8			
NRDL	e	PKPbc	Z	06:45:41.2	150.4	17.1			
CLL	e	PKPbc	Z	06:45:42.6	150.9	23.1			
CLZ	e	PKPbc	Z	06:45:43.1	151.0	18.0			
BRG	e	PKPbc	Z	06:45:42.9	151.1	25.2			
MOX	e	PKPbc	Z	06:45:44.8	151.9	21.0			
TANN	e	PKPbc	Z	06:45:45.0	151.9	22.8			
MANZ	e	PKPbc	Z	06:45:46.3	152.4	22.4			
ROTZ	e	PKPbc	Z	06:45:46.8	152.5	22.8			
GRA1	e	PKPbc	Z	06:45:46.6	152.9	20.9			
WET	e	PKPbc	Z	06:45:47.7	152.9	24.6			
GEC2	e	PKPbc	Z	06:45:47.7	153.0	26.4			
WLF	e	PKPbc	Z	06:45:50.0	153.8	10.8			
BFO	e	PKPbc	Z	06:45:50.7	154.7	16.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	09:33:46.1	14.905S	166.706E	52.0G		5.6		NEIC

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	PKPdf	Z	09:53:00.6	137.9	41.3			

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CLL	e PKPdf	Z	09:53:04.6	137.9	39.7					
NRDL	e PP	Z	09:55:54.3	138.1	35.1					
CLZ	e PP	Z	09:55:55.7	138.5	35.8					
TANN	e PKPdf	Z	09:53:07.0	138.8	39.6					
	e PP	Z	09:55:58.6							
ROTZ	e PP	Z	09:56:02.7	139.4	39.8					
GEC2	e PKPdf	Z	09:53:05.3	139.5	42.5					
	e PP	Z	09:56:03.2							
GRA1	e L	Z	10:57:12.8	139.9	38.5	20.9	1168			5.6
WLF	e PKPdf	Z	09:53:08.4	141.8	31.3					
BFO	e PKPdf	Z	09:53:08.7	142.1	35.5					
	e PP	Z	09:56:18.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	10:57: 5.0	36.176N	26.772E	108.0G	3.8			THE

Dodecanese Islands, Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	11:00:40.1	15.9	138.1					
WET	e Pn	Z	11:00:46.8	16.5	136.8					
BRG	e P	Z	11:00:58.1	17.3	143.0	0.6	4	3.6		
MANZ	e P	Z	11:00:58.6	17.4	136.9	0.5	5	3.9		
WERN	e P	Z	11:00:59.5	17.5	138.2	0.6	4	3.7		
TANN	e P	Z	11:01:00.6	17.6	138.6	0.9	4	3.5		
GRA1	e P	Z	11:00:59.9	17.6	134.3	0.9	12	4.0		
FBE	e P	Z	11:01:02.5	17.6	141.7	0.7	6	3.9		
WERD	e P	Z	11:01:02.8	17.7	138.4	0.6	4	3.7		
CLL	e P	Z	11:01:06.9	18.0	141.7	0.8	5	3.7		
MOX	e P	Z	11:01:06.4	18.1	137.2	0.7	5	3.8		
BFO	e P	Z	11:01:06.9	18.2	125.1	0.7	10	4.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	11:50: 4.7	37.721N	23.090E	10.0G	4.8	4.8		SZGRF

Southern Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	11:53:07.4	13.0	145.1					
WET	e P	Z	11:53:15.1	13.6	143.4					
MANZ	e P	Z	11:53:30.0	14.6	143.2					
BRG	e P	Z	11:53:29.8	14.7	150.2					
GRA1	e L	Z	11:59:19.4	14.7	140.1	13.0	4423			4.8
TANN	e P	Z	11:53:33.2	14.8	145.1					
STU	e P	Z	11:53:32.7	14.9	132.5					
BFO	e P	Z	11:53:33.4	15.1	129.2					
MOX	e P	Z	11:53:38.0	15.3	143.3	1.3	34			

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CLL	e P	Z	11:53:39.8	15.3	148.4	1.0	65		
UBBA	e P	Z	11:53:51.2	16.1	139.6	1.2	31		
CLZ	e S	Z	11:57:07.0	16.7	142.7				
WLF	e P	Z	11:54:02.2	17.0	128.1	2.2	359		
NRDL	e P	Z	11:54:07.7	17.3	143.4	4.1	942		
	e S	N	11:57:20.4						
BUG	e S	Z	11:57:29.4	17.7	134.7				
BSEG	e P	Z	11:54:19.2	18.4	146.4	1.1	87	4.8	
	e S	N	11:57:41.0						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	15:49:3.4	14.186N	0.325E	33.0N		4.7		SZGRF

Niger

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 15:55:50.7	34.8	193.7					
GEC2	e P	Z 15:56:04.9	36.4	202.2					
WET	e P	Z 15:56:05.9	36.4	200.8					
GRA1	e P	Z 15:56:06.8	36.6	197.9					
	e L	Z 16:30:07.7			19.7	1200		4.7	
BRG	e P	Z 15:56:29.5	38.3	201.6					
CLZ	e P	Z 15:56:29.3	38.5	195.8					
IBBN	e P	Z 15:56:29.7	38.6	191.6					
BSEG	e P	Z 15:56:47.0	40.5	195.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/05	23:23:45.3	22.450S	177.650W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 23:43:26.9	147.9	14.0					
NRDL	e PKPbc	Z 23:43:30.3	149.4	14.2					
IBBN	e PKPbc	Z 23:43:32.0	149.9	10.0					
CLZ	e PKPbc	Z 23:43:32.8	150.0	14.9					
CLL	e PKPbc	Z 23:43:32.4	150.0	20.0					
BRG	e PKPbc	Z 23:43:33.0	150.2	21.9					
NEUB	e PKPbc	Z 23:43:33.5	150.3	17.8					
MOX	e PKPbc	Z 23:43:34.1	150.9	17.8					
TANN	e PKPbc	Z 23:43:34.9	150.9	19.5					
WERD	e PKPbc	Z 23:43:34.9	150.9	19.2					
GUNZ	e PKPbc	Z 23:43:35.1	151.0	19.3					
WERN	e PKPbc	Z 23:43:35.3	151.1	19.4					
MANZ	e PKPbc	Z 23:43:36.1	151.4	19.1					
ROTZ	e PKPbc	Z 23:43:36.1	151.6	19.4					
GRA1	e PKPbc	Z 23:43:38.2	151.9	17.6					

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GEC2	e	PKPbc	Z	23:43:37.0	152.1	22.9
BFO	e	PKPbc	Z	23:43:41.0	153.7	12.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/06	00:08:32.5	21.430S	170.210E	33.0N				SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	PKPbc	Z 00:28:05.8	145.2	41.0	0.9	10			
CLL	e	PKPbc	Z 00:28:05.8	145.3	39.2	1.0	8			
NRDL	e	PKPbc	Z 00:28:06.2	145.4	33.9	1.0	4			
CLZ	e	PKPbc	Z 00:28:08.0	145.8	34.8	1.0	8			
TANN	e	PKPbc	Z 00:28:09.0	146.2	39.3	1.2	6			
ROTZ	e	PKPbc	Z 00:28:10.9	146.8	39.5	1.1	6			
GEC2	e	PKPbc	Z 00:28:11.0	146.8	42.7	1.1	8			
WET	e	PKPbc	Z 00:28:11.4	147.0	41.1	1.0	4			
GRA1	e	PKPbc	Z 00:28:12.1	147.2	38.1	2.1	40			
STU	e	PKPbc	Z 00:28:16.3	148.8	35.7					
WLF	e	PKPbc	Z 00:28:17.5	149.1	29.8	1.0	17			
BFO	e	PKPbc	Z 00:28:17.4	149.4	34.7	0.9	5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/06	00:50:35.7	23.200S	170.000E	33.0N				SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 01:10:11.2	145.7	34.5					
BRG	e	PKPbc	Z 01:10:12.8	146.7	42.8					
CLL	e	PKPbc	Z 01:10:12.9	146.8	40.9					
FBE	e	PKPbc	Z 01:10:14.8	146.9	41.9					
NRDL	e	PKPbc	Z 01:10:13.4	146.9	35.4					
CLZ	e	PKPbc	Z 01:10:15.3	147.4	36.4					
TANN	e	PKPbc	Z 01:10:16.1	147.7	41.0					
WERD	e	PKPbc	Z 01:10:16.2	147.7	40.8					
GUNZ	e	PKPbc	Z 01:10:16.6	147.8	40.9					
WERN	e	PKPbc	Z 01:10:16.7	147.8	41.0					
MOX	e	PKPbc	Z 01:10:16.3	147.8	39.5					
IBBN	e	PKPbc	Z 01:10:16.4	147.9	31.8					
MANZ	e	PKPbc	Z 01:10:17.6	148.1	40.9					
ROTZ	e	PKPbc	Z 01:10:17.8	148.3	41.3					
GEC2	e	PKPbc	Z 01:10:18.0	148.3	44.6					
WET	e	PKPbc	Z 01:10:18.5	148.4	43.0					
GRA1	e	PKPbc	Z 01:10:19.1	148.7	39.9					
FUR	e	PKPab	Z 01:10:25.4	149.9	41.6					
STU	e	PKPbc	Z 01:10:23.4	150.3	37.5					

WLF	e	PKPbc	Z	01:10:24.6	150.7	31.5
BFO	e	PKPbc	Z	01:10:24.7	151.0	36.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/06	11:09:19.2	42.160N	77.030E	33.0N	4.8			SZGRF

Lake Issyk-Kul, Kyrgyzstan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 11:17:17.5	42.9	76.1	1.2	11	4.5		
FBE	e P	Z 11:17:21.5	43.3	75.8	1.4	26	4.8		
CLL	e P	Z 11:17:20.8	43.4	76.0	0.8	10	4.6		
GEC2	e P	Z 11:17:23.2	43.6	73.9	1.5	30	4.8		
TANN	e P	Z 11:17:25.9	43.9	74.8	1.3	16	4.6		
WET	e P	Z 11:17:26.6	44.0	73.7	1.2	14	4.5		
WERN	e P	Z 11:17:26.7	44.0	74.6	1.2	7	4.3		
WERD	e P	Z 11:17:26.6	44.0	74.7	1.3	14	4.5		
GUNZ	e P	Z 11:17:26.8	44.0	74.6	1.2	18	4.7		
ROTZ	e P	Z 11:17:28.8	44.3	74.0	1.2	8	4.3		
MANZ	e P	Z 11:17:28.7	44.3	74.1	1.4	11	4.4		
BSEG	e P	Z 11:17:29.8	44.3	76.9	1.4	26	5.0		
MOX	e P	Z 11:17:29.4	44.4	74.5	1.1	14	4.8		
NRDL	e P	Z 11:17:33.4	44.8	75.4	1.4	19	4.8		
CLZ	e P	Z 11:17:32.8	44.8	74.9	1.8	25	4.9		
GRA1	e P	Z 11:17:34.4	44.9	73.3	0.9	30	5.2		
FUR	e P	Z 11:17:37.7	45.3	71.9	0.6	38	5.5		
UBBA	e P	Z 11:17:36.8	45.3	73.7	1.5	20	4.8		
STU	e P	Z 11:17:45.9	46.4	71.3	1.6	53	5.4		
BFO	e P	Z 11:17:51.0	47.1	70.5	1.2	22	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/06	11:28:15.6	6.700S	131.000E	10.0G		4.8		NEIC

Lake Issyk-Kul, Kyrgyzstan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 11:47:56.3	114.1	70.8					
	e L	Z 12:37:37.8			21.3	259		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/07	00:40:40.5	3.400S	146.800E	23.0G		6.5		NEIC

Near north coast of New Guinea, Papua New Guinea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 00:59:29.7	118.3	51.3					

	e L	Z	01:50:57.7			22.0	12028	6.5
BRG	e PKPdf	Z	00:59:29.5	118.3	56.2			
	e L	Z	01:50:33.0			21.2	9898	6.4
CLL	e PKPdf	Z	00:59:29.8	118.6	55.1			
	e L	Z	01:51:48.2			20.7	14828	6.6
NRDL	e PKPdf	Z	00:59:31.7	119.3	51.7			
	e L	Z	01:51:35.0			21.6	8460	6.3
TANN	e PKPdf	Z	00:59:31.7	119.4	55.0			
	e L	Z	01:54:18.0			19.8	8416	6.4
WERD	e PKPdf	Z	00:59:31.8	119.4	54.8			
GUNZ	e PKPdf	Z	00:59:32.0	119.5	54.9			
WERN	e PKPdf	Z	00:59:31.9	119.5	55.0			
CLZ	e PKPdf	Z	00:59:32.3	119.6	52.3			
	e L	Z	01:52:01.3			20.9	17988	6.7
GEC2	e PKPdf	Z	00:59:31.9	119.6	56.9			
	e L	Z	01:51:22.7			22.0	11963	6.5
MOX	e PKPdf	Z	00:59:32.1	119.7	54.1			
	e L	Z	01:52:31.1			20.6	11361	6.5
MANZ	e PKPdf	Z	00:59:32.5	119.8	54.9			
WET	e PKPdf	Z	00:59:32.8	119.9	56.0			
	e L	Z	01:51:32.4			21.7	9236	6.4
ROTZ	e PKPdf	Z	00:59:32.5	119.9	55.1			
	e L	Z	01:54:53.8			18.1	10526	6.5
UBBA	e PKPdf	Z	00:59:33.7	120.4	52.4			
	e L	Z	01:52:54.2			20.9	18573	6.7
GRA1	e PKPdf	Z	00:59:33.6	120.4	54.1			
	e PP	Z	01:01:03.8					
	e L	Z	01:52:41.4			21.4	6744	6.3
GRFO	e PKPdf	Z	00:59:33.6	120.4	54.1			
IBBN	e PKPdf	Z	00:59:34.0	120.5	49.4			
	e L	Z	01:52:38.8			21.5	11748	6.5
FUR	e PKPdf	Z	00:59:35.4	121.3	54.9			
	e L	Z	01:52:26.8			21.6	11106	6.5
BUG	e PKPdf	Z	00:59:35.4	121.3	49.3			
	e L	Z	01:53:21.0			20.4	8187	6.4
STU	e PKPdf	Z	00:59:36.8	122.0	52.6			
	e L	Z	01:56:44.0			18.5	7524	6.4
BFO	e PKPdf	Z	00:59:37.9	122.8	51.9			
	e L	Z	01:57:14.3			18.5	8300	6.4
WLF	e PKPdf	Z	00:59:39.5	123.0	49.0			
	e L	Z	01:54:26.7			21.3	20310	6.7

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/07 03:23:11.4 18.276S 177.168W 33.0N
 Fiji Islands region

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

BSEG	e	PKPbc	Z	03:42:40.6	143.9	12.1
CLZ	e	PKPbc	Z	03:42:47.1	145.9	12.8
CLL	e	PKPdf	Z	03:42:45.9	146.0	17.4
	e	PKPbc	Z	03:42:47.2		
BRG	e	PKPbc	Z	03:42:47.8	146.2	19.2
TANN	e	PKPbc	Z	03:42:50.0	147.0	16.9
ROTZ	e	PKPbc	Z	03:42:51.8	147.6	16.8
GRA1	e	PKPbc	Z	03:42:52.7	147.9	15.1
WET	e	PKPbc	Z	03:42:52.9	148.1	18.3
	e	PKPab	Z	03:42:57.9		
GEC2	e	PKPdf	Z	03:42:49.4	148.2	19.9
	e	PKPbc	Z	03:42:53.1		
WLF	e	PKPbc	Z	03:42:54.8	148.5	6.0
FUR	e	PKPbc	Z	03:42:56.0	149.3	15.9
BFO	e	PKPbc	Z	03:42:56.8	149.6	10.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/07	11:03:52.5	24.887N	129.089E	33.0N	5.1			SZGRF
Southeast of Ryukyu Islands, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 11:16:25.4	85.2	55.5	1.2	15	5.1		
BSEG	e P	Z 11:16:25.8	85.2	52.9	1.1	19	5.2		
CLL	e P	Z 11:16:26.4	85.5	54.8	1.2	25	5.2		
NRDL	e P	Z 11:16:30.8	86.2	52.7	2.0	33	5.1		
TANN	e P	Z 11:16:30.6	86.3	54.4	1.1	9	4.8		
CLZ	e P	Z 11:16:32.2	86.5	52.9	1.0	14	5.0		
GEC2	e P	Z 11:16:31.6	86.5	55.2	1.1	13	5.0		
MOX	e P	Z 11:16:32.1	86.6	53.7	2.2	33	5.1		
ROTZ	e P	Z 11:16:33.5	86.8	54.1	0.9	15	5.1		
WET	e P	Z 11:16:33.3	86.8	54.6	1.4	10	4.8		
GRA1	e P	Z 11:16:36.4	87.3	53.4	1.3	20	5.3		
FUR	e P	Z 11:16:40.5	88.2	53.4	1.0	24	5.5		
WLF	e P	Z 11:16:47.7	89.9	49.6	1.7	24	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/07	13:51:51.7	46.273N	152.656E	33.0N	4.9			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 14:03:39.7	76.7	25.8	0.8	11	5.0		
MOX	e P	Z 14:03:43.4	77.4	26.4	1.1	7	4.7		
ROTZ	e P	Z 14:03:47.2	78.0	26.7	1.0	7	4.7		
GRA1	e P	Z 14:03:49.2	78.4	26.1	0.8	15	5.1		
BFO	e P	Z 14:03:59.8	80.4	24.1	1.0	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/07	17:21:22.7	21.880N	100.714E	33.0N	4.7			SZGRF

Myanmar-China border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:32:50.6	73.2	75.8	0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/07	19:24:24.0	36.654N	21.479E	33.0N	4.4			SZGRF

Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MANZ	e P	Z 19:27:58.4	14.9	149.6					
GRA1	e P	Z 19:27:59.1	15.0	146.5					
WERN	e P	Z 19:28:00.4	15.1	150.9					
BRG	e P	Z 19:28:00.8	15.2	156.3					
TANN	e P	Z 19:28:01.6	15.2	151.4					
WERD	e P	Z 19:28:02.4	15.3	151.0					
FBE	e P	Z 19:28:04.9	15.4	154.7	1.6	32			
MOX	e P	Z 19:28:06.5	15.7	149.4	1.2	16			
CLL	e P	Z 19:28:08.3	15.8	154.3	1.4	31	4.3		
UBBA	e P	Z 19:28:14.0	16.4	145.5	1.3	8	3.8		
RUE	e P	Z 19:28:18.1	16.7	158.1	1.3	99	4.8		
WLF	e P	Z 19:28:22.9	17.1	133.8	2.0	92	4.6		
CLZ	e P	Z 19:28:22.5	17.1	148.3	2.1	70	4.4		
IBBN	e P	Z 19:28:37.6	18.4	142.9	1.2	16	4.0		
BSEG	e P	Z 19:28:42.4	18.9	151.4	1.2	35	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	02:48:14.3	18.200N	147.200E	55.0		5.3		NEIC

Mariana Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 03:02:00.9	101.8	42.4					
	e PP	Z 03:06:12.8							
	e SS	T 03:20:52.7							
	e L	Z 03:51:59.9			18.7	927		5.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	08:44: 3.8	14.327S	67.029E	33.0N	4.8			SZGRF

Mid-Indian Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	08:56:02.8	78.8	127.6	1.0	5	4.5		
WET	e P	Z	08:56:06.0	79.4	127.0	1.2	6	4.5		
BRG	e P	Z	08:56:09.8	79.9	128.1	1.2	8	4.7		
MANZ	e P	Z	08:56:11.9	80.3	126.4	1.4	8	4.7		
TANN	e P	Z	08:56:12.4	80.4	126.8	0.4	4	4.8		
GRA1	e P	Z	08:56:13.4	80.6	125.7	0.9	12	5.0		
CLL	e P	Z	08:56:14.1	80.6	127.4	1.1	13	5.0		
MOX	e P	Z	08:56:15.5	80.9	126.1	1.0	8	4.8		
BFO	e P	Z	08:56:17.4	81.4	123.1	1.6	19	5.0		
UBBA	e P	Z	08:56:20.2	81.9	124.8	0.8	4	4.6		
CLZ	e P	Z	08:56:22.8	82.3	125.2	0.9	16	5.1		
NRDL	e P	Z	08:56:26.6	82.8	125.1	1.6	11	4.6		
WLF	e P	Z	08:56:27.7	83.3	121.5	0.9	11	4.9		
BUG	e P	Z	08:56:29.6	83.6	122.6	0.7	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z	13:35:03.7							
BRG	e PKPdf	Z	13:34:57.0							
CLZ	e PKPdf	Z	13:35:00.6							
GEC2	e PKPdf	Z	13:34:58.0							
GRA1	e PKPdf	Z	13:35:00.6							
MANZ	e PKPdf	Z	13:34:59.5							
RJOB	e PKPdf	Z	13:34:59.4							
WET	e PKPdf	Z	13:34:58.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	13:30:38.9	18.650N	69.730W	33.0G	5.1			SZGRF
Dominican Republic region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	13:41:28.4	66.8	271.9	0.7	16	5.4		
BUG	e P	Z	13:41:32.6	67.5	272.0	0.9	12	5.1		
IBBN	e P	Z	13:41:34.6	67.8	272.1	1.1	40	5.6		
BFO	e P	Z	13:41:37.5	68.3	274.1	0.9	6	4.8		
STU	e P	Z	13:41:41.7	68.9	274.5	0.8	20	5.4		
NRDL	e P	Z	13:41:43.3	69.2	273.8	1.1	16	5.2		
BSEG	e P	Z	13:41:43.3	69.2	273.4	1.1	13	5.1		
UBBA	e P	Z	13:41:43.3	69.2	274.4	1.6	10	4.8		
CLZ	e P	Z	13:41:44.5	69.4	274.3	1.1	20	5.2		

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GRA1	e P	Z	13:41:48.8	70.1	275.7	0.9	9	4.9
MOX	e P	Z	13:41:49.5	70.3	275.6	1.4	9	4.7
MANZ	e P	Z	13:41:52.5	70.6	276.2	1.1	21	5.2
ROTZ	e P	Z	13:41:52.8	70.7	276.4	1.1	16	5.1
TANN	e P	Z	13:41:53.3	70.8	276.4	1.1	18	5.1
CLL	e P	Z	13:41:54.6	71.1	276.5	1.1	10	4.9
WET	e P	Z	13:41:56.0	71.2	277.1	0.9	11	5.0
BRG	e P	Z	13:41:58.7	71.7	277.3	1.0	16	5.1
GEC2	e P	Z	13:41:59.4	71.8	277.8	1.0	19	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	13:32: 0.4	12.956N	90.586W	69.0	5.2			SZGRF
Off coast of central America								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	13:44:26.0	84.4	283.5	1.1	20	5.2		
BSEG	e P	Z	13:44:32.0	85.8	286.4	1.0	25	5.3		
	e pP	Z	13:44:50.7							
NRDL	e P	Z	13:44:33.6	86.1	286.3	1.1	21	5.2		
BFO	e P	Z	13:44:33.9	86.2	285.2	1.2	14	5.0		
CLZ	e P	Z	13:44:35.2	86.5	286.5	1.0	28	5.4		
	e pP	Z	13:44:53.6							
UBBA	e P	Z	13:44:35.6	86.5	286.3					
MOX	e P	Z	13:44:40.2	87.5	287.6	1.4	17	5.2		
	e pP	Z	13:44:59.0							
GRA1	e P	Z	13:44:40.9	87.6	287.3	1.0	30	5.6		
	e pP	Z	13:44:59.9							
MANZ	e P	Z	13:44:42.8	88.1	288.0	1.0	11	5.1		
TANN	e P	Z	13:44:43.1	88.1	288.2	1.1	20	5.4		
	e pP	Z	13:45:02.2							
CLL	e P	Z	13:44:42.9	88.2	288.6	0.9	13	5.2		
ROTZ	e P	Z	13:44:43.5	88.2	288.0	1.0	12	5.2		
WET	e P	Z	13:44:46.8	88.8	288.6	1.2	16	5.1		
	e pP	Z	13:45:05.3							
BRG	e P	Z	13:44:46.9	88.9	289.3	1.6	19	5.1		
GEC2	e P	Z	13:44:48.7	89.4	289.2	1.0	8	4.9		
	e pP	Z	13:45:07.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	14:51: 0.2	72.100N	6.920E	21.5	4.2			SZGRF
Norwegian Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z	14:55:36.3	20.3	356.9	0.9	9	4.0		
BUG	e P	Z	14:55:39.9	20.7	359.7	1.0	13	4.2		

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BRG	e P	Z	14:55:48.0	21.5	354.1	1.1	5	3.8
MOX	e P	Z	14:55:49.6	21.6	356.1	0.8	10	4.3
MANZ	e P	Z	14:55:56.8	22.2	355.8	1.3	8	4.0
WLF	e P	Z	14:55:58.9	22.4	0.6	1.0	10	4.3
ROTZ	e P	Z	14:56:00.6	22.5	355.7	0.8	13	4.5
GRA1	e P	Z	14:56:00.0	22.5	356.5	0.7	11	4.5
	e pP	Z	14:56:05.5					
WET	e P	Z	14:56:06.1	23.1	355.3	1.3	10	4.2
GEC2	e P	Z	14:56:09.6	23.5	354.8	0.7	4	4.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	15:08:35.0	12.466N	90.600W	33.0N	4.8			SZGRF
Off coast of central America								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:21:22.0	88.0	287.0	0.8	4	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	15:29:27.9	33.867N	74.006E	33.0G	4.7			SZGRF
Southwestern Kashmir								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 15:37:48.3	46.1	87.6	0.9	7	4.7		
FBE	e P	Z 15:37:52.9	46.4	87.2	0.8	9	5.0		
CLL	e P	Z 15:37:52.5	46.6	87.3					
ROTZ	e P	Z 15:37:57.8	47.2	85.3	1.1	4	4.5		
MANZ	e P	Z 15:37:57.4	47.3	85.4	1.0	3	4.4		
MOX	e P	Z 15:38:00.0	47.6	85.7	1.2	7	4.7		
GRA1	e P	Z 15:38:03.1	47.9	84.5	0.9	6	4.7		
	e pP	Z 15:38:07.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	17:43:20.0	6.200S	151.500E	10.0				NEIC
New Britain, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 18:02:17.8	123.1	53.3					
CLL	e PKPdf	Z 18:02:18.1	123.3	52.1					
FBE	e PKPdf	Z 18:02:20.0	123.4	52.6					
TANN	e PKPdf	Z 18:02:19.9	124.2	52.0					
WERD	e PKPdf	Z 18:02:20.1	124.2	51.8					
GUNZ	e PKPdf	Z 18:02:20.2	124.3	51.9					
WERN	e PKPdf	Z 18:02:20.3	124.3	51.9					

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GEC2	e	PKPdf	Z	18:02:20.4	124.5	54.1
MANZ	e	PKPdf	Z	18:02:20.8	124.6	51.8
ROTZ	e	PKPdf	Z	18:02:20.9	124.7	52.1
WET	e	PKPdf	Z	18:02:21.0	124.7	53.1
GRA1	e	PKPdf	Z	18:02:21.0	125.2	51.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	22:02:42.1	45.621N	153.352E	33.0N	4.3			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:14:44.1	79.2	25.9	0.9	3	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/08	22:12:16.0	31.885N	21.224W	33.0N		3.6		SZGRF
Madeira Islands, Portugal, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e PP	Z 22:18:49.4	27.0	239.2					
BFO	e PP	Z 22:18:58.3	27.7	244.4					
STU	e PP	Z 22:19:08.0	28.4	244.8					
BUG	e PP	Z 22:19:09.1	28.6	237.9					
IBBN	e PP	Z 22:19:18.2	29.3	237.2					
FUR	e PP	Z 22:19:19.9	29.4	248.3					
UBBA	e PP	Z 22:19:26.9	29.8	242.5					
GRA1	e PP	Z 22:19:29.7	30.0	245.8					
	e L	Z 22:31:27.3			21.5	167		3.6	
CLZ	e PP	Z 22:19:35.5	30.4	241.4					
ROTZ	e PP	Z 22:19:39.3	30.6	246.9					
MOX	e PP	Z 22:19:39.9	30.6	244.8					
MANZ	e PP	Z 22:19:39.9	30.6	246.4					
NRDL	e PP	Z 22:19:37.0	30.6	240.1					
WET	e PP	Z 22:19:39.9	30.7	248.6					
TANN	e PP	Z 22:19:45.4	31.0	246.2					
GEC2	e PP	Z 22:19:43.7	31.1	250.0					
BSEG	e PP	Z 22:19:45.2	31.5	238.3					
CLL	e PP	Z 22:19:52.8	31.7	245.5					
BRG	e PP	Z 22:19:59.1	32.0	247.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/09	01:31:58.9	24.310N	45.350W	33.0N	4.5			SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	01:40:36.2	48.2	260.0	1.2	13	4.9		
NRDL	e P	Z	01:40:50.7	50.1	258.0	1.3	7	4.5		
CLZ	e P	Z	01:40:49.8	50.1	258.8	1.1	6	4.4		
GRA1	e P	Z	01:40:53.9	50.3	261.3	1.1	7	4.5		
BSEG	e P	Z	01:40:55.2	50.6	257.0	1.4	13	4.7		
MOX	e P	Z	01:40:57.0	50.7	260.8	0.9	3	4.2		
MANZ	e P	Z	01:40:57.8	50.9	261.8					
TANN	e P	Z	01:41:00.4	51.2	261.8	1.4	6	4.3		
WET	e P	Z	01:40:59.8	51.3	263.1	1.2	6	4.4		
CLL	e P	Z	01:41:02.0	51.7	261.5	1.5	8	4.4		
GEC2	e P	Z	01:41:03.5	51.8	264.0	1.1	9	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/09 05:08:40.5 32.370N 49.233E 33.0N 4.5
 Western Iran

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:15:12.8	33.0	107.2	0.9	5	4.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/09 08:24:20.8 8.990N 37.155W 33.0N 4.6
 Central Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:34:04.1	57.1	241.6	1.5	9	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/09 10:35:54.1 22.058S 170.822E 18.8
 Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	10:55:29.1	146.0	40.6					
	e pPKPbc	Z	10:55:34.5							
CLL	e PKPbc	Z	10:55:29.1	146.1	38.8					
	e pPKPbc	Z	10:55:35.2							
NRDL	e PKPbc	Z	10:55:29.9	146.2	33.3					
	e pPKPbc	Z	10:55:35.7							
CLZ	e PKPbc	Z	10:55:31.7	146.6	34.3					
	e pPKPbc	Z	10:55:37.1							
TANN	e PKPbc	Z	10:55:32.6	147.0	38.8					
	e pPKPbc	Z	10:55:38.0							
IBBN	e PKPbc	Z	10:55:32.8	147.1	29.8					

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	e pPKPbc	Z	10:55:38.7		
MOX	e PKPbc	Z	10:55:32.8	147.1	37.3
	e pPKPbc	Z	10:55:38.3		
MANZ	e PKPbc	Z	10:55:33.9	147.4	38.7
	e pPKPbc	Z	10:55:39.5		
ROTZ	e PKPbc	Z	10:55:34.3	147.6	39.1
	e pPKPbc	Z	10:55:39.8		
UBBA	e PKPbc	Z	10:55:34.2	147.6	34.6
GEC2	e PKPbc	Z	10:55:34.2	147.6	42.3
	e pPKPbc	Z	10:55:40.0		
WET	e PKPbc	Z	10:55:34.7	147.8	40.7
	e pPKPbc	Z	10:55:40.3		
BUG	e PKPbc	Z	10:55:35.8	148.0	29.7
GRA1	e PKPbc	Z	10:55:35.8	148.0	37.6
STU	e PKPbc	Z	10:55:39.7	149.6	35.2
WLF	e PKPbc	Z	10:55:41.3	149.9	29.2
BFO	e PKPbc	Z	10:55:41.0	150.2	34.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/09	12:52:19.0	20.148S	170.063E	33.0N				SZGRF

Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	13:11:47.0	144.0	40.3					
CLL	e PKPbc	Z	13:11:47.0	144.0	38.5					
NRDL	e PKPbc	Z	13:11:48.5	144.1	33.3					
CLZ	e PKPbc	Z	13:11:50.6	144.6	34.2					
TANN	e PKPbc	Z	13:11:50.6	144.9	38.5					
IBBN	e PKPbc	Z	13:11:50.6	145.0	29.9					
MOX	e PKPbc	Z	13:11:49.5	145.1	37.1					
MANZ	e PKPbc	Z	13:11:52.7	145.4	38.4					
UBBA	e PKPbc	Z	13:11:52.6	145.5	34.5					
ROTZ	e PKPbc	Z	13:11:53.1	145.5	38.7					
GEC2	e PKPbc	Z	13:11:52.3	145.6	41.8					
WET	e PKPbc	Z	13:11:53.7	145.8	40.3					
BUG	e PKPbc	Z	13:11:54.2	145.9	29.7					
GRA1	e PKPbc	Z	13:11:54.9	146.0	37.3					
STU	e PKPbc	Z	13:12:00.6	147.5	35.0					
WLF	e PKPbc	Z	13:12:00.4	147.8	29.2					
BFO	e PKPbc	Z	13:12:00.1	148.2	34.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/09	14:59:51.7	2.620N	95.840E	26.6	4.9	4.5		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 15:12:13.6	82.9	94.2	1.1	13	5.1		
	e pP	Z 15:12:21.1			1.0	11			
BRG	e P	Z 15:12:13.3	82.9	94.6	1.2	7	4.8		
WET	e P	Z 15:12:16.3	83.4	93.6	0.6	6	5.0		
CLL	e P	Z 15:12:16.0	83.5	94.0	1.5	10	4.8		
TANN	e P	Z 15:12:17.9	83.8	93.4	1.0	7	4.9		
ROTZ	e P	Z 15:12:18.9	83.9	93.2	1.2	9	4.8		
	e pP	Z 15:12:26.5							
MANZ	e P	Z 15:12:19.4	84.0	93.1	1.1	13	5.1		
	e pP	Z 15:12:27.1							
MOX	e P	Z 15:12:20.7	84.3	92.8	1.0	4	4.6		
FUR	e P	Z 15:12:20.9	84.4	92.3					
GRA1	e P	Z 15:12:22.2	84.5	92.4	1.2	18	5.2		
	e S	T 15:22:44.7							
	e SS	T 15:28:16.2							
	e L	Z 15:54:05.3			22.0	247			
CLZ	e P	Z 15:12:24.9	85.1	91.9	1.2	10	4.9		
BSEG	e P	Z 15:12:25.4	85.2	92.1	1.3	20	5.2		
	e pP	Z 15:12:33.4							
NRDL	e P	Z 15:12:26.0	85.3	91.8	1.4	15	5.0		
UBBA	e P	Z 15:12:25.8	85.3	91.6	1.8	13	4.9		
STU	e P	Z 15:12:28.0	85.8	90.8	1.0	7	4.7		
BFO	e P	Z 15:12:30.7	86.4	90.1	0.9	5	4.7		
IBBN	e P	Z 15:12:33.0	86.8	89.9	0.8	13	5.1		
BUG	e P	Z 15:12:34.4	87.1	89.5	1.0	10	4.9		
WLF	e P	Z 15:12:38.5	87.8	88.5	2.0	34	5.3		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/10 00:07:30.3 18.004S 177.449W 33.0N
 Fiji Islands region SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 00:26:58.6	143.6	12.5					
NRDL	e PKPbc	Z 00:27:02.5	145.0	12.6					
IBBN	e PKPbc	Z 00:27:05.1	145.5	8.8					
CLZ	e PKPbc	Z 00:27:05.4	145.6	13.2					
CLL	e PKPbc	Z 00:27:05.0	145.7	17.8					
BRG	e PKPbc	Z 00:27:05.8	145.9	19.6					
BUG	e PKPbc	Z 00:27:07.0	146.4	8.1					
MOX	e PKPbc	Z 00:27:07.5	146.6	15.8					
TANN	e PKPbc	Z 00:27:07.5	146.6	17.3					
MANZ	e PKPbc	Z 00:27:09.0	147.1	16.9					
ROTZ	e PKPbc	Z 00:27:09.6	147.3	17.2					
GRA1	e PKPbc	Z 00:27:10.7	147.6	15.5					
GEC2	e PKPbc	Z 00:27:11.1	147.9	20.2					
WLF	e PKPbc	Z 00:27:12.8	148.2	6.5					

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STU	e	PKPbc	Z	00:27:13.7	148.8	12.2
BFO	e	PKPbc	Z	00:27:14.8	149.3	10.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/10	05:14:47.8	25.512S	179.035E	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	05:34:36.7	150.4	20.9			
NRDL	e	PKPbc	Z	05:34:39.8	151.8	21.5			
CLL	e	PKPbc	Z	05:34:40.5	152.1	27.7			
BRG	e	PKPbc	Z	05:34:40.9	152.2	29.8			
CLZ	e	PKPbc	Z	05:34:41.2	152.3	22.4			
IBBN	e	PKPbc	Z	05:34:42.0	152.4	17.2			
TANN	e	PKPbc	Z	05:34:42.8	153.0	27.5			
MOX	e	PKPbc	Z	05:34:42.7	153.1	25.7			
MANZ	e	PKPbc	Z	05:34:43.8	153.5	27.2			
GEC2	e	PKPbc	Z	05:34:44.7	154.0	31.4			
GRA1	e	PKPbc	Z	05:34:44.4	154.0	25.8			
STU	e	PKPbc	Z	05:34:47.6	155.4	22.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/10	07:01:49.4	9.573N	39.466W	33.0N	4.3			SZGRF
Central Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	07:11:38.8	57.9	244.2	1.0	3	4.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/10	15:44:37.8	21.870S	177.690W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	16:04:18.0	147.4	13.9			
NRDL	e	PKPbc	Z	16:04:21.6	148.8	14.1			
IBBN	e	PKPbc	Z	16:04:23.2	149.3	9.9			
	e	PKPab	Z	16:04:27.3					
CLZ	e	PKPbc	Z	16:04:23.5	149.4	14.8			
CLL	e	PKPbc	Z	16:04:23.4	149.4	19.8			
	e	PKPab	Z	16:04:27.9					
BRG	e	PKPbc	Z	16:04:24.0	149.6	21.7			
	e	PKPab	Z	16:04:28.9					
BUG	e	PKPbc	Z	16:04:25.4	150.2	9.3			

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MOX	e PKPbc	Z	16:04:25.6	150.3	17.6
	e PKPab	Z	16:04:31.8		
TANN	e PKPbc	Z	16:04:26.0	150.4	19.3
	e PKPab	Z	16:04:32.2		
UBBA	e PKPbc	Z	16:04:25.9	150.4	14.6
MANZ	e PKPbc	Z	16:04:27.2	150.8	18.9
ROTZ	e PKPbc	Z	16:04:27.2	151.0	19.2
	e PKPab	Z	16:04:35.1		
GRA1	e PKPbc	Z	16:04:28.3	151.3	17.4
	e PKPab	Z	16:04:36.3		
WET	e PKPbc	Z	16:04:28.3	151.5	20.9
	e PKPab	Z	16:04:37.1		
GEC2	e PKPbc	Z	16:04:28.5	151.5	22.6
	e PKPab	Z	16:04:37.3		
WLF	e PKPbc	Z	16:04:30.5	152.0	7.6
	e PKPab	Z	16:04:39.6		
STU	e PKPbc	Z	16:04:31.3	152.5	14.0
	e PKPab	Z	16:04:41.3		
FUR	e PKPbc	Z	16:04:31.4	152.7	18.4
	e PKPab	Z	16:04:42.4		
BFO	e PKPbc	Z	16:04:32.1	153.1	12.4
	e PKPab	Z	16:04:43.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/10	18:45:22.5	37.341N	135.552E	33.0N	4.5	4.6		SZGRF

Sea of Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 18:57:17.3	78.0	43.8	1.0	4	4.5		
CLL	e P	Z 18:57:18.4	78.1	43.2	0.9	6	4.7		
ROTZ	e P	Z 18:57:26.0	79.6	42.5	1.6	9	4.5		
GEC2	e P	Z 18:57:26.5	79.6	43.4	1.1	3	4.1		
UBBA	e P	Z 18:57:27.2	79.7	41.1	1.8	8	4.4		
GRA1	e P	Z 18:57:29.3	80.1	41.8	1.2	13	4.7		
	e L	Z 19:33:45.0			18.1	229		4.6	
BFO	e P	Z 18:57:40.8	82.3	39.7	1.0	7	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/10								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 20:49:00.7							
	e Sn	E 20:49:44.6							
MANZ	e Pn	Z 20:49:20.9							
MOX	e Sn	E 20:50:34.1							

ROTZ	e Sn	N	20:50:10.6
WET	e Pn	Z	20:49:07.5
	e Sn	N	20:49:55.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/10	21:48:5.1	21.105S	169.758E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	22:07:34.2	143.6	33.5					
BRG	e PKPbc	Z	22:07:37.2	144.7	41.4					
CLL	e PKPbc	Z	22:07:37.2	144.8	39.7					
NRDL	e PKPbc	Z	22:07:38.1	144.9	34.4					
CLZ	e PKPbc	Z	22:07:39.5	145.3	35.3					
TANN	e PKPbc	Z	22:07:40.4	145.7	39.7					
MOX	e PKPbc	Z	22:07:40.8	145.8	38.2					
MANZ	e PKPbc	Z	22:07:41.5	146.2	39.6					
ROTZ	e PKPbc	Z	22:07:42.1	146.3	39.9					
GEC2	e PKPbc	Z	22:07:42.3	146.3	43.1					
WET	e PKPbc	Z	22:07:42.5	146.5	41.5					
BUG	e PKPbc	Z	22:07:43.8	146.7	30.8					
GRA1	e PKPbc	Z	22:07:43.2	146.7	38.5					
STU	e PKPbc	Z	22:07:48.0	148.3	36.2					
WLF	e PKPbc	Z	22:07:49.3	148.6	30.4					
BFO	e PKPbc	Z	22:07:49.3	149.0	35.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/11	00:19:50.0	2.249S	77.128W	82.2	4.9			SZGRF

Peru-Ecuador border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	00:32:27.6	87.4	263.4	1.1	22	5.3		
BUG	e P	Z	00:32:31.6	88.3	264.2	1.2	11	4.9		
IBBN	e P	Z	00:32:33.0	88.7	264.6	1.8	31	5.1		
BFO	e P	Z	00:32:32.2	88.7	265.1	1.2	3	4.3		
STU	e P	Z	00:32:36.2	89.3	265.8	0.9	8	4.9		
NRDL	e P	Z	00:32:40.5	90.1	266.4	1.1	4	4.7		
CLZ	e P	Z	00:32:40.9	90.2	266.6	1.1	13	5.1		
	e pP	Z	00:33:03.3							
BSEG	e P	Z	00:32:41.0	90.3	266.6	1.8	23	5.2		
GRA1	e P	Z	00:32:43.3	90.6	267.3	1.5	10	4.8		
	e S	R	00:43:10.2							
MOX	e P	Z	00:32:43.7	90.9	267.6	1.2	4	4.5		
	e pP	Z	00:33:05.3							
MANZ	e P	Z	00:32:45.6	91.2	268.0	1.4	8	4.8		

ROTZ	e P	Z	00:32:45.8	91.3	268.0	1.2	8	4.9
WERD	e P	Z	00:32:46.2	91.4	268.1	1.2	9	4.9
WERN	e P	Z	00:32:46.9	91.4	268.2	1.2	11	5.0
TANN	e P	Z	00:32:46.9	91.5	268.3	1.1	10	4.9
	e pP	Z	00:33:08.9					
RJOB	e P	Z	00:32:47.0	91.6	268.4	0.8	4	4.7
WET	e P	Z	00:32:47.6	91.7	268.5	1.6	10	4.8
	e pP	Z	00:33:09.8					
CLL	e P	Z	00:32:48.4	91.8	268.7	0.7	4	4.8
FBE	e P	Z	00:32:49.8	92.0	269.0	1.1	4	4.5
RGN	e P	Z	00:32:49.8	92.1	269.1	1.3	49	5.6
GEC2	e P	Z	00:32:49.5	92.2	269.1	1.3	5	4.6
BRG	e P	Z	00:32:51.2	92.4	269.4	1.1	10	4.9
	e pP	Z	00:33:12.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/11								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 02:27:05.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/11								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e PKP	Z 03:40:10.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/11	04:19:42.3	46.020N	154.671E	40.4	4.9			SZGRF
East of Kuril Islands, Russia								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 04:31:44.4	79.2	24.9	0.8	12	4.9
		e pP	Z 04:31:55.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/11	17:13:54.0	35.100S	11.210W	22.2	5.0	4.5		SZGRF
Tristan da Cunha region								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	BFO	e P	Z 17:26:26.4	85.2	195.9	1.1	12	5.0

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2007/06/11 22:24:39.5

17.303S

174.659E

598.6N

5.0

SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPab	Z	22:43:01.7	143.0	30.0	1.1	11	5.2		
BRG	e PKPab	Z	22:43:02.4	143.1	31.7	1.2	10	5.1		
TANN	e PKPab	Z	22:43:06.2	143.9	29.7	1.8	15	5.0		
WERD	e PKPab	Z	22:43:06.1	144.0	29.5	1.3	8	4.9		
MOX	e PKPab	Z	22:43:06.2	144.0	28.3	1.2	8	4.9		
WERN	e PKPab	Z	22:43:07.1	144.1	29.7	1.1	11	5.1		
MANZ	e PKPab	Z	22:43:08.3	144.4	29.5	1.7	8	4.9		
GEC2	e PKPab	Z	22:43:10.2	144.9	32.8	1.1	4	4.7		
WET	e PKPab	Z	22:43:10.6	144.9	31.3	1.3	8	5.0		
GRA1	e PKPab	Z	22:43:10.7	145.0	28.3	1.8	32	5.5		
RJOB	e PKPab	Z	22:43:16.3	146.1	32.2					
FUR	e PKPab	Z	22:43:17.1	146.3	29.5					
WLF	e PKPab	Z	22:43:17.8	146.3	20.1					
BFO	e PKPab	Z	22:43:18.6	147.0	24.5					

Date Origin Time

2007/06/11

22:30:16.9

Lat 21.960S

Long 177.970W

Depth 511.7

mb

Ms

ML

Source SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	22:49:02.4	147.4	14.4					
NRDL	e PKPbc	Z	22:49:06.0	148.8	14.6					
IBBN	e PKPbc	Z	22:49:07.3	149.3	10.5					
CLL	e PKPdf	Z	22:49:03.0	149.4	20.3					
	e PKPbc	Z	22:49:07.5							
BRG	e PKPdf	Z	22:49:04.1	149.6	22.2					
	e PKPbc	Z	22:49:08.3							
BUG	e PKPbc	Z	22:49:09.4	150.2	9.8					
MOX	e PKPdf	Z	22:49:04.9	150.3	18.2					
	e PKPbc	Z	22:49:09.8							
TANN	e PKPdf	Z	22:49:05.2	150.4	19.9					
	e PKPbc	Z	22:49:10.1							
UBBA	e PKPdf	Z	22:49:05.3	150.5	15.1					
	e PKPbc	Z	22:49:09.8							
MANZ	e PKPdf	Z	22:49:06.0	150.9	19.5					
	e PKPbc	Z	22:49:11.3							
ROTZ	e PKPbc	Z	22:49:11.5	151.1	19.8					
	e pPKPbc	Z	22:51:11.0							
GRA1	e PKPdf	Z	22:49:06.8	151.3	18.0					
	e PKPbc	Z	22:49:12.3							
	e PKPab	Z	22:49:22.1							
	e pPKPbc	Z	22:51:12.7							
WET	e PKPdf	Z	22:49:06.9	151.5	21.4					

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	e	PKPbc	Z	22:49:12.4					
GEC2	e	PKPdf	Z	22:49:06.9	151.6	23.2			
	e	PKPbc	Z	22:49:12.7					
WLF	e	PKPdf	Z	22:49:08.4	152.1	8.2			
	e	PKPbc	Z	22:49:14.4					
	e	pPKPbc	Z	22:51:14.1					
FUR	e	PKPbc	Z	22:49:15.5	152.8	19.0			
BFO	e	PKPbc	Z	22:49:16.3	153.2	13.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/12	00:56:3.1	45.689N	148.533E	47.9	5.1			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 01:07:27.6	72.8	31.0	1.1	54	5.6		
BSEG	e P	Z 01:07:35.7	74.2	28.9	1.2	23	5.1		
RUE	e P	Z 01:07:36.9	74.5	31.0	1.1	45	5.4		
NRDL	e P	Z 01:07:42.6	75.6	28.6	1.7	33	5.2		
CLL	e P	Z 01:07:43.2	75.7	30.3	0.8	22	5.3		
BRG	e P	Z 01:07:43.8	75.8	30.9	1.1	9	4.8		
IBBN	e P	Z 01:07:47.9	76.4	27.0	0.7	18	5.3		
TANN	e P	Z 01:07:48.9	76.7	29.9	1.0	9	4.9		
WERD	e P	Z 01:07:49.3	76.7	29.8	0.9	12	5.0		
MOX	e P	Z 01:07:49.3	76.7	29.4	1.2	17	5.1		
WERN	e P	Z 01:07:50.0	76.8	29.8	0.7	10	5.0		
UBBA	e P	Z 01:07:51.1	77.1	28.3	0.8	6	4.8		
MANZ	e P	Z 01:07:51.6	77.1	29.6	0.9	7	4.8		
ROTZ	e P	Z 01:07:52.8	77.3	29.6	1.4	16	4.9		
BUG	e P	Z 01:07:52.3	77.3	26.6	0.9	16	5.1		
GEC2	e P	Z 01:07:54.5	77.6	30.5	0.9	13	5.1		
WET	e P	Z 01:07:54.4	77.6	30.0	0.9	18	5.2		
GRA1	e P	Z 01:07:54.6	77.7	29.0	0.8	34	5.5		
	e pP	Z 01:08:08.4							
FUR	e P	Z 01:08:02.4	79.0	28.9	0.9	32	5.3		
STU	e P	Z 01:08:02.8	79.1	27.6	0.8	18	5.1		
BFO	e P	Z 01:08:06.0	79.8	27.0	0.9	13	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/12	01:00:33.0	44.880N	148.190E	33.0N	5.1			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 01:12:05.6	73.5	31.6	1.0	70	5.6		
BSEG	e P	Z 01:12:12.9	74.9	29.5	1.1	27	5.2		
RUE	e P	Z 01:12:14.6	75.1	31.6	1.1	44	5.4		

NRDL	e P	Z	01:12:20.3	76.2	29.2	1.4	21	5.1
CLL	e P	Z	01:12:20.6	76.3	30.9	1.1	30	5.3
BRG	e P	Z	01:12:21.3	76.4	31.5	1.3	15	5.0
IBBN	e P	Z	01:12:24.9	77.0	27.6	0.9	13	5.1
TANN	e P	Z	01:12:26.4	77.3	30.5	2.0	28	5.1
WERD	e P	Z	01:12:26.6	77.3	30.4	1.3	11	4.8
MOX	e P	Z	01:12:26.7	77.3	29.9	1.5	22	5.1
WERN	e P	Z	01:12:27.6	77.4	30.4	1.2	14	5.0
MANZ	e P	Z	01:12:29.1	77.7	30.2	1.2	9	4.8
ROTZ	e P	Z	01:12:30.3	77.9	30.2	1.3	18	5.0
BUG	e P	Z	01:12:29.8	77.9	27.2	0.9	12	5.1
GEC2	e P	Z	01:12:31.6	78.2	31.1	0.9	7	4.7
WET	e P	Z	01:12:32.2	78.2	30.6	1.0	14	4.9
GRA1	e P	Z	01:12:32.5	78.3	29.6	1.0	18	5.1
RJOB	e P	Z	01:12:38.8	79.5	30.4	0.9	16	4.9
FUR	e P	Z	01:12:39.5	79.6	29.5	0.9	21	5.1
STU	e P	Z	01:12:39.9	79.7	28.2	0.7	11	4.9
WLF	e P	Z	01:12:42.9	79.8	26.3	1.2	10	4.6
BFO	e P	Z	01:12:43.3	80.4	27.6	1.1	16	4.9

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/12 04:10:30.8 47.250N 153.330E 33.0N 4.8
 Kuril Islands, Russia SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 04:21:58.9	72.8	27.2	0.8	28	5.5		
NRDL	e P	Z 04:22:13.6	75.4	24.8	1.0	6	4.7		
CLL	e P	Z 04:22:15.0	75.7	26.6	1.0	17	5.1		
BRG	e P	Z 04:22:15.8	75.8	27.1	0.9	6	4.7		
TANN	e P	Z 04:22:20.8	76.7	26.1	1.0	4	4.5		
WERD	e P	Z 04:22:21.0	76.7	26.0	1.1	6	4.6		
MOX	e P	Z 04:22:20.8	76.7	25.6	1.1	8	4.8		
WERN	e P	Z 04:22:21.7	76.8	26.1	0.9	9	4.9		
UBBA	e P	Z 04:22:22.5	77.0	24.6	0.9	5	4.6		
MANZ	e P	Z 04:22:23.5	77.2	25.9	0.9	6	4.7		
ROTZ	e P	Z 04:22:24.4	77.3	25.9	0.9	6	4.7		
GRA1	e P	Z 04:22:26.9	77.7	25.3	0.9	18	5.2		
WET	e P	Z 04:22:26.7	77.7	26.3	1.0	8	4.8		
GEC2	e P	Z 04:22:26.5	77.7	26.7	1.1	6	4.6		
RJOB	e P	Z 04:22:34.3	79.0	26.1	1.0	6	4.6		
BFO	e P	Z 04:22:37.6	79.7	23.3	1.0	9	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/12 11:16: 5.6 6.800S 155.400E 10.0
 Bougainville - Solomon Islands region NEIC

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	11:35:06.1	125.6	49.5					
CLL	e PKPbc	Z	11:35:07.4	125.7	48.3					
TANN	e PKPbc	Z	11:35:09.5	126.6	48.2					
GEC2	e PKPbc	Z	11:35:08.9	127.0	50.4					
MANZ	e PKPbc	Z	11:35:10.9	127.1	48.0					
ROTZ	e PKPbc	Z	11:35:09.8	127.1	48.3					
WET	e PKPbc	Z	11:35:11.2	127.2	49.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/12	13:12:59.2	38.878N	26.450E	11.0G		3.2		KAN

Aegean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:16:46.1	15.3	129.2	0.7	4			
	e L	Z	13:23:45.6			21.6	171		3.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/12	23:18:34.6	16.820S	174.890W	158.6				SZGRF

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	23:37:51.3	144.9	13.2					
BRG	e PKPbc	Z	23:37:52.3	145.2	14.9					
BUG	e PKPbc	Z	23:37:52.6	145.3	3.6					
MOX	e PKPbc	Z	23:37:54.2	145.8	11.1					
UBBA	e PKPbc	Z	23:37:53.9	145.8	8.3					
WERD	e PKPbc	Z	23:37:54.6	145.9	12.3					
TANN	e PKPbc	Z	23:37:54.7	145.9	12.6					
WERN	e PKPbc	Z	23:37:55.3	146.0	12.5					
MANZ	e PKPbc	Z	23:37:55.9	146.4	12.2					
ROTZ	e PKPbc	Z	23:37:56.9	146.6	12.4					
	e pPKPbc	Z	23:38:38.0							
GRA3	e		23:45:22.3	146.7	10.9					
GRA1	e PKPbc	Z	23:37:57.7	146.8	10.7					
	e pPKPbc	Z	23:38:37.9							
WET	e PKPbc	Z	23:37:58.5	147.1	13.8					
	e pPKPbc	Z	23:38:40.9							
WLF	e PKPbc	Z	23:37:58.4	147.1	1.8					
GEC2	e PKPbc	Z	23:37:58.6	147.2	15.3					
STU	e PKPbc	Z	23:38:01.0	147.9	7.4					
FUR	e PKPbc	Z	23:38:00.4	148.3	11.3					
	e pPKPbc	Z	23:38:43.1							
BFO	e PKPbc	Z	23:38:02.1	148.4	5.9					

	e pPKPbc	Z	23:38:43.3						
RJOB	e PKPbc	Z	23:38:02.2	148.4	14.2				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/13	17:27:40.6	3.500N	128.000E	87.0				NEIC

North of Halmahera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 17:42:01.6	104.1	66.8					
	e PP	Z 17:45:55.9							
	e Sdiff	T 17:53:20.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/13	19:29:47.1	13.790N	90.460W	70.4	5.7			SZGRF

Near coast of Guatemala

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 19:42:08.6	83.7	283.9	1.6	82	5.7		
BUG	e P	Z 19:42:09.8	84.0	284.6	2.1	142	5.8		
IBBN	e P	Z 19:42:10.7	84.0	284.9					
	e PP	Z 19:45:23.3							
BSEG	e P	Z 19:42:15.9	85.1	286.7	1.6	167	6.0		
NRDL	e P	Z 19:42:17.2	85.4	286.7	1.6	108	5.8		
	e PP	Z 19:45:34.6							
BFO	e P	Z 19:42:16.6	85.4	285.7	1.7	66	5.5		
UBBA	e P	Z 19:42:18.9	85.8	286.7	2.2	198	5.8		
	e pP	Z 19:42:38.6							
	e PP	Z 19:45:38.4							
	e pPP	Z 19:45:58.4							
STU	e P	Z 19:42:19.4	85.9	286.3	1.3	56	5.5		
RGN	e PP	Z 19:45:46.5	86.6	289.1					
MOX	e P	Z 19:42:24.3	86.8	288.0	1.7	100	5.7		
GRA1	e P	Z 19:42:24.8	86.9	287.7	1.5	88	5.7		
	e PKPPKP	Z 20:08:24.0							
WERD	e P	Z 19:42:26.6	87.3	288.5	1.7	92	5.6		
MANZ	e P	Z 19:42:26.8	87.3	288.4	1.7	65	5.5		
	e pP	Z 19:42:46.8							
GUNZ	e P	Z 19:42:27.0	87.3	288.5	1.6	98	5.7		
FUR	e P	Z 19:42:26.5	87.4	287.8	1.4	57	5.5		
	e PP	Z 19:45:52.9							
	e pPP	Z 19:46:12.2							
WERN	e P	Z 19:42:27.3	87.4	288.6	1.7	127	6.0		
	e PP	Z 19:45:52.8							
TANN	e P	Z 19:42:27.3	87.4	288.6	1.7	107	5.9		
	e pP	Z 19:42:47.2							

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CLL	e P	Z	19:42:26.9	87.4	289.0	1.7	80	5.8
	e PP	Z	19:45:54.7					
ROTZ	e P	Z	19:42:27.5	87.5	288.5	1.8	91	5.8
	e PP	Z	19:45:53.9					
RUE	e P	Z	19:42:27.7	87.5	289.6			
	e pP	Z	19:42:47.4					
WET	e P	Z	19:42:30.7	88.1	289.0	1.6	120	6.0
BRG	e P	Z	19:42:30.5	88.1	289.8	1.8	82	5.8
RJOB	e P	Z	19:42:32.0	88.5	289.0	1.8	64	5.6
GEC2	e P	Z	19:42:33.3	88.7	289.6	1.8	65	5.6
	e pP	Z	19:42:53.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 23:52:07.5							
BSEG	e PKP	Z 23:52:07.3							
CLL	e PKP	Z 23:52:07.2							
CLZ	e PKP	Z 23:52:07.8							
FBE	e PKP	Z 23:52:10.4							
MANZ	e PKP	Z 23:52:10.7							
MOX	e PKP	Z 23:52:09.3							
WLF	e PKP	Z 23:52:06.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/14	23:11:35.2	24.653S	172.169E	50.0N		5.4		SZGRF
Southeast of Loyalty Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z 23:31:15.2	148.9	40.7					
CLL	e PKPbc	Z 23:31:15.4	148.9	38.8					
FBE	e PKPbc	Z 23:31:18.7	149.1	39.8					
NEUB	e PKPbc	Z 23:31:17.7	149.5	36.9					
TANN	e PKPbc	Z 23:31:18.6	149.8	38.9					
WERD	e PKPbc	Z 23:31:18.6	149.9	38.6					
IBBN	e PKPbc	Z 23:31:19.0	149.9	29.2					
GUNZ	e PKPbc	Z 23:31:19.1	149.9	38.7					
WERN	e PKPbc	Z 23:31:19.4	150.0	38.9					
MOX	e PKPbc	Z 23:31:17.6	150.0	37.2					
MANZ	e PKPbc	Z 23:31:19.7	150.3	38.8					
ROTZ	e PKPbc	Z 23:31:19.3	150.5	39.2					
WET	e PKPbc	Z 23:31:19.9	150.6	41.0					
GRA1	e PKPbc	Z 23:31:21.9	150.9	37.6					
	e L	Z 00:16:42.6			20.0	555		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/14	05:29: 9.4	17.890S	178.030W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	05:48:43.3	145.5	18.7					
MOX	e PKPbc	Z	05:48:46.4	146.4	16.7					
WERD	e PKPbc	Z	05:48:47.0	146.4	18.0					
TANN	e PKPbc	Z	05:48:47.3	146.4	18.3					
GUNZ	e PKPbc	Z	05:48:47.6	146.5	18.1					
WERN	e PKPbc	Z	05:48:47.6	146.5	18.2					
MANZ	e PKPbc	Z	05:48:48.4	146.9	17.9					
ROTZ	e PKPbc	Z	05:48:48.9	147.1	18.1					
GRA1	e PKPbc	Z	05:48:49.4	147.3	16.5					
GEC2	e PKPbc	Z	05:48:49.2	147.6	21.2					
WLF	e PKPbc	Z	05:48:51.6	148.0	7.5					
RJOB	e PKPbc	Z	05:48:54.3	148.9	20.2					
BFO	e PKPbc	Z	05:48:53.9	149.1	11.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/14								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:56:06.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/14	13:37:41.5	36.200S	100.000W	10.0		5.3		NEIC
Southeast of Easter Island								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e PKPdf	Z	13:56:46.3	127.7	256.8					
UBBA	e PKPdf	Z	13:56:48.4	129.2	258.1					
NRDL	e PKPdf	Z	13:56:49.1	129.6	259.6					
GRA1	e PKPdf	Z	13:56:50.0	129.7	258.0					
	e L	Z	14:48:33.3			21.2	699		5.3	
BSEG	e PKPdf	Z	13:56:50.6	130.0	260.9					
MOX	e PKPdf	Z	13:56:49.5	130.2	259.1					
MANZ	e PKPdf	Z	13:56:50.3	130.4	258.9					
TANN	e PKPdf	Z	13:56:50.8	130.7	259.5					
WET	e PKPdf	Z	13:56:50.6	130.7	258.7					
CLL	e PKPdf	Z	13:56:52.3	131.2	260.6					
GEC2	e PKPdf	Z	13:56:51.3	131.2	258.9					

BRG e PKPdf Z 13:56:52.9 131.7 260.9

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/14 14:49:59.9 10.071N 124.220E 33.0N 5.4 5.3
 Leyte, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:03:26.9	96.6	65.8	1.1	12	5.4		
	e PP	Z 15:07:16.9							
	e L	Z 15:52:05.8			18.0	941		5.3	

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/14 15:40:50.0 44.354N 147.491E 33.0N 4.7
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 15:52:36.6	76.6	31.6	0.7	8	5.0		
ROTZ	e P	Z 15:52:46.1	78.1	30.9	1.0	4	4.5		
WET	e P	Z 15:52:47.7	78.4	31.3	1.1	7	4.6		
GRA1	e P	Z 15:52:48.4	78.5	30.3	0.9	6	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/14 17:41: 5.0 5.700S 151.600E 43.0
 New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z 17:59:54.8	121.9	51.9					
BSEG	e PKPdf	Z 17:59:55.5	122.5	47.6					
	e PP	Z 18:01:33.4							
	e SKPdf	Z 18:03:28.8							
BRG	e PKPdf	Z 17:59:55.9	122.8	52.8					
	e pPKPdf	Z 18:00:09.3							
	e PP	Z 18:01:34.9							
CLL	e PKPdf	Z 17:59:56.1	123.0	51.7					
	e PP	Z 18:01:36.1							
FBE	e PKPdf	Z 17:59:59.1	123.0	52.2					
NRDL	e PKPdf	Z 17:59:57.7	123.6	48.0					
	e PP	Z 18:01:41.1							
	e SKPdf	Z 18:03:30.3							
TANN	e PKPdf	Z 17:59:57.9	123.8	51.6					
	e PP	Z 18:01:42.1							
WERD	e PKPdf	Z 17:59:57.9	123.8	51.4					
	e SKPdf	Z 18:03:30.7							

GUNZ	e PKPdf	Z	17:59:58.2	123.9	51.5						
	e pPKPdf	Z	18:00:11.1								
WERN	e PKPdf	Z	17:59:58.3	123.9	51.5						
	e SKPdf	Z	18:03:30.3								
MOX	e PKPdf	Z	17:59:58.4	124.1	50.6						
	e pPKPdf	Z	18:00:11.1								
GEC2	e PKPdf	Z	17:59:58.4	124.1	53.7						
MANZ	e PKPdf	Z	17:59:58.8	124.2	51.4						
	e SKPdf	Z	18:03:32.1								
ROTZ	e PKPdf	Z	17:59:58.9	124.3	51.6						
	e PP	Z	18:01:46.6								
WET	e PKPdf	Z	17:59:59.1	124.4	52.7						
	e pPKPdf	Z	18:00:11.9								
	e SKPdf	Z	18:03:32.7								
UBBA	e PKPdf	Z	17:59:59.7	124.7	48.8						
	e PP	Z	18:01:48.6								
IBBN	e PKPdf	Z	17:59:59.8	124.7	45.6						
GRA1	e PKPdf	Z	18:00:00.0	124.9	50.7						
	e pPKPdf	Z	18:00:12.8								
	e PP	Z	18:01:52.5								
	e Sdiff	T	18:09:45.2								
	e L	Z	18:55:21.8			21.7	1366			5.6	
RJOB	e PKPdf	Z	18:00:00.1	125.2	53.4						
	e PP	Z	18:01:53.0								
BUG	e PKPdf	Z	18:00:01.5	125.6	45.5						
	e pPKPdf	Z	18:00:15.1								
	e SKPdf	Z	18:03:36.1								
FUR	e PKPdf	Z	18:00:02.0	125.8	51.6						
STU	e PKPdf	Z	18:00:03.5	126.5	49.0						
	e pPKPdf	Z	18:00:16.6								
	e SKPdf	Z	18:03:36.0								
BFO	e PKPdf	Z	18:00:04.1	127.2	48.3						
WLF	e PKPdf	Z	18:00:06.1	127.3	45.2						
	e SKPdf	Z	18:03:38.9								

Date 2007/06/14 Origin Time 19:00: 0.7 Lat 21.693S Long 171.458E Depth 436.3 mb Ms ML Source SZGRF
Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	19:18:45.5	144.7	31.3					
BRG	e PKPbc	Z	19:18:49.0	145.9	39.4					
	e pPKPbc	Z	19:20:33.2							
CLL	e PKPbc	Z	19:18:49.1	146.0	37.6					
NRDL	e PKPbc	Z	19:18:49.7	146.0	32.1					
	e pPKPbc	Z	19:20:30.2							
TANN	e PKPbc	Z	19:18:52.5	146.9	37.6					

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IBBN	e PKPbc	Z	19:18:53.0	146.9	28.5
	e pPKPbc	Z	19:20:32.9		
MOX	e PKPbc	Z	19:18:52.4	147.0	36.0
	e pPKPbc	Z	19:20:36.8		
MANZ	e PKPbc	Z	19:18:54.1	147.4	37.4
ROTZ	e PKPbc	Z	19:18:54.3	147.5	37.8
	e pPKPbc	Z	19:20:39.1		
GEC2	e PKPbc	Z	19:18:54.2	147.6	41.0
	e PP	Z	19:22:23.1		
WET	e PKPbc	Z	19:18:54.8	147.7	39.4
	e pPKPbc	Z	19:20:41.7		
BUG	e PKPbc	Z	19:18:55.4	147.8	28.4
GRA1	e PKPbc	Z	19:18:55.7	147.9	36.3
FUR	e PKPbc	Z	19:18:58.5	149.1	37.9
STU	e PKPbc	Z	19:18:59.6	149.5	33.9
WLF	e PKPbc	Z	19:19:01.0	149.7	27.9
	e PKPab	Z	19:19:05.4		
	e pPKPbc	Z	19:20:45.0		
BFO	e PKPbc	Z	19:19:00.6	150.1	32.8
	e PKPab	Z	19:19:06.0		
	e pPKPbc	Z	19:20:45.0		
	e PP	Z	19:22:32.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/14	21:43:13.9	54.300N	167.500E	50.0	4.6			GSRC
Komandorsky Islands, Russia, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:54:48.9	74.1	14.1	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/14	22:57:14.8	46.300S	96.100E	10.0				NEIC
Southeast Indian Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 23:16:12.0	120.8	126.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/15	18:49:49.9	1.609N	31.635E	33.0N	5.7	5.3		SZGRF
Uganda								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RJOB	e P	Z 18:58:33.0	48.9	154.6	0.9	103	5.9		

GEC2	e P	Z	18:58:39.5	49.7	156.2	0.9	137	6.0		
	e S	R	19:05:41.8							
FUR	e P	Z	18:58:39.1	49.8	152.9	1.0	220	6.1		
	e S	R	19:05:43.4							
WET	e P	Z	18:58:42.6	50.2	155.3	1.1	111	5.8		
	e S	R	19:05:47.0							
BFO	e P	Z	18:58:47.3	50.9	149.3	1.1	82	5.6		
	e S	R	19:05:58.3							
STU	e P	Z	18:58:48.4	50.9	150.6	1.1	80	5.6		
GRA1	e P	Z	18:58:49.9	51.1	153.4	0.9	102	5.8		
	e S	T	19:06:02.1							
	e L	Z	19:20:29.4			21.5	2856		5.3	
MANZ	e P	Z	18:58:50.0	51.2	154.6	1.0	150	5.9		
	e S	R	19:06:00.0							
WERN	e P	Z	18:58:51.7	51.4	155.0	1.1	127	5.8		
GUNZ	e P	Z	18:58:52.3	51.4	155.0	1.4	100	5.6		
TANN	e P	Z	18:58:52.2	51.4	155.2	1.1	107	5.7		
	e S	R	19:06:06.9							
BRG	e P	Z	18:58:52.4	51.5	157.2	1.1	62	5.5		
	e S	R	19:06:04.9							
WERD	e P	Z	18:58:53.0	51.5	155.0	1.4	105	5.6		
FBE	e P	Z	18:58:56.5	51.7	156.4	1.0	61	5.5		
MOX	e P	Z	18:58:55.3	51.9	154.2	1.1	75	5.5		
	e S	R	19:06:12.6							
CLL	e P	Z	18:58:56.8	52.1	156.1	1.0	66	5.5		
	e S	R	19:06:14.4							
UBBA	e P	Z	18:59:00.1	52.5	152.3	1.0	73	5.5		
	e S	R	19:06:21.5							
WLF	e P	Z	18:59:01.7	52.7	147.3	1.0	70	5.5		
	e S	R	19:06:22.4							
RUE	e P	Z	18:59:03.9	53.0	157.4	1.0	194	6.0		
BUG	e P	Z	18:59:10.5	53.9	149.3	0.9	136	5.9		
	e S	R	19:06:41.0							
NRDL	e P	Z	18:59:11.5	54.0	153.0	1.0	168	5.9		
	e S	R	19:06:42.5							
IBBN	e P	Z	18:59:15.2	54.5	150.2	1.2	66	5.5		
	e S	R	19:06:48.8							
BSEG	e P	Z	18:59:19.9	55.2	153.7	1.1	154	6.0		
	e S	R	19:06:57.9							

Date 2007/06/15
 Origin Time 20:29:18.5
 Lat 23.434N
 Long 120.207E
 Depth 33.0N
 mb 4.8
 Ms
 ML
 Source SZGRF
 Taiwan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	20:41:32.8	81.9	62.3	1.1	8	4.8		
BSEG	e P	Z	20:41:34.4	82.1	60.6	1.1	14	5.0		

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GEC2	e P	Z	20:41:38.2	82.7	62.5	0.9	5	4.7
MOX	e P	Z	20:41:38.0	83.0	61.2	0.9	3	4.5
GRA1	e P	Z	20:41:44.3	83.7	60.8	1.1	11	5.0
WLF	e P	Z	20:41:54.9	86.5	57.1			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 00:08:40.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/16	01:18:48.2	0.970N	125.800E	33.0N		5.1		SZGRF
Northern Molucca Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PP	Z 01:36:55.4	102.4	71.6					
BRG	e Pdiff	Z 01:32:42.9	102.8	72.1					
	e PP	Z 01:36:56.9							
FBE	e PP	Z 01:36:58.8	103.2	71.6					
CLL	e Pdiff	Z 01:32:44.7	103.2	71.2					
	e PP	Z 01:37:00.0							
GEC2	e Pdiff	Z 01:32:46.4	103.6	72.4					
	e PP	Z 01:37:03.0							
BSEG	e Pdiff	Z 01:32:48.7	103.9	68.4					
WERN	e PP	Z 01:37:04.8	103.9	71.0					
GUNZ	e PP	Z 01:37:04.5	103.9	70.9					
WET	e Pdiff	Z 01:32:48.1	104.0	71.6					
	e PP	Z 01:37:06.0							
MANZ	e PP	Z 01:37:09.0	104.2	70.8					
MOX	e Pdiff	Z 01:32:49.3	104.3	70.3					
	e PP	Z 01:37:08.7							
CLZ	e Pdiff	Z 01:32:50.9	104.6	68.9					
GRA1	e Pdiff	Z 01:32:51.7	104.8	70.2					
	e L	Z 02:24:09.9			20.2	536		5.1	
GRFO	e PP	Z 01:37:11.8	104.8	70.2					
FUR	e PP	Z 01:37:16.7	105.3	70.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/16	02:58:14.1	45.317N	143.981E	33.0N	5.0			SZGRF
Hokkaido, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 03:10:01.2 76.5 32.1 1.0 13 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/16

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 04:43:04.9

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/16 05:10:55.4 21.510S 177.630W 33.0N SZGRF
Fiji Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG e PKPbc Z 05:30:34.5 147.0 13.7
IBBN e PKPbc Z 05:30:39.5 148.9 9.7
CLZ e PKPbc Z 05:30:40.4 149.0 14.6
CLL e PKPbc Z 05:30:40.0 149.1 19.5
e PKPab Z 05:30:44.0
BRG e PKPbc Z 05:30:41.0 149.3 21.4
e PKPab Z 05:30:45.3
BUG e PKPbc Z 05:30:41.5 149.8 9.1
MOX e PKPbc Z 05:30:42.7 150.0 17.4
GRA1 e PKPbc Z 05:30:45.1 151.0 17.2
e PKPab Z 05:30:53.0
WET e PKPbc Z 05:30:45.7 151.1 20.6
e PKPab Z 05:30:53.4
GEC2 e PKPbc Z 05:30:45.4 151.2 22.3
WLF e PKPbc Z 05:30:47.4 151.7 7.4
e PKPab Z 05:30:56.3
STU e PKPbc Z 05:30:47.8 152.2 13.7
FUR e PKPab Z 05:30:58.8 152.4 18.1
BFO e PKPbc Z 05:30:49.1 152.8 12.2

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/16 21:52:36.6 2.810S 140.000E 33.0N 5.6 SZGRF
Near north coast of Irian Jaya, Indonesia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BRG e Pdiff Z 22:07:19.1 114.1 62.2
e PP Z 22:12:08.1
CLL e Pdiff Z 22:07:19.2 114.5 61.2
e PP Z 22:12:11.3
BSEG e Pdiff Z 22:07:21.8 114.5 57.7

	e PP	Z	22:12:11.0								
GEC2	e Pdiff	Z	22:07:25.0	115.2	62.8						
	e PP	Z	22:12:16.1								
MOX	e Pdiff	Z	22:07:28.2	115.5	60.2						
	e PP	Z	22:12:18.3								
WET	e Pdiff	Z	22:07:29.4	115.6	62.0						
	e PP	Z	22:12:18.3								
GRA1	e Pdiff	Z	22:07:28.4	116.2	60.2						
	e PP	Z	22:12:22.8								
	e SP	Z	22:21:59.5								
	e L	Z	23:07:01.3					18.8	1503	5.6	
UBBA	e Pdiff	Z	22:07:33.4	116.3	58.6						
	e PP	Z	22:12:23.3								
IBBN	e PP	Z	22:12:27.0	116.7	55.9						
FUR	e Pdiff	Z	22:07:34.2	117.0	60.9						
	e PP	Z	22:12:28.7								
BUG	e Pdiff	Z	22:07:40.3	117.4	55.8						
	e PP	Z	22:12:31.7								
STU	e Pdiff	Z	22:07:39.9	117.8	58.8						
	e PP	Z	22:12:33.6								
BFO	e Pdiff	Z	22:07:39.0	118.6	58.2						
	e PP	Z	22:12:37.8								
WLF	e Pdiff	Z	22:07:47.3	119.0	55.5						
	e PP	Z	22:12:43.1								

Date Origin Time Lat Long Depth mb Ms ML Source

2007/06/16

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z 22:11:22.6							
BRG	e PKPdf	Z 22:11:14.6							
CLL	e PKPdf	Z 22:11:15.6							
CLZ	e PKPdf	Z 22:11:18.2							
FUR	e PKPdf	Z 22:11:19.9							
GEC2	e PKPdf	Z 22:11:16.5							
GRA1	e PKPdf	Z 22:11:18.9							
MOX	e PKPdf	Z 22:11:17.5							
STU	e PKPdf	Z 22:11:21.4							
WET	e PKPdf	Z 22:11:17.3							
WLF	e PKPdf	Z 22:11:24.6							

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/17 16:12:34.6 21.889S 177.993W 569.0 SZGRF
 Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	16:32:10.6	147.3	14.4					
	e PKPbc	Z	16:32:14.5							
	e pPKPbc	Z	16:34:24.9							
IBBN	e PKPbc	Z	16:32:20.2	149.3	10.5					
	e PKPab	Z	16:32:24.8							
	e pPKPbc	Z	16:34:31.5							
CLZ	e PKPdf	Z	16:32:16.0	149.4	15.4					
	e PKPbc	Z	16:32:20.1							
CLL	e PKPdf	Z	16:32:15.4	149.4	20.3					
	e PKPbc	Z	16:32:19.9							
	e PKPab	Z	16:32:24.7							
BRG	e PKPdf	Z	16:32:16.1	149.6	22.3					
	e PKPbc	Z	16:32:20.7							
MOX	e PKPbc	Z	16:32:22.2	150.3	18.2					
UBBA	e PKPbc	Z	16:32:22.5	150.4	15.1					
GRA1	e PKPdf	Z	16:32:19.4	151.3	18.0					
	e PKPbc	Z	16:32:24.8							
	e PKPab	Z	16:32:32.3							
	e pPKPbc	Z	16:34:36.7							
WET	e PKPbc	Z	16:32:25.0	151.4	21.5					
GEC2	e PKPbc	Z	16:32:25.2	151.5	23.2					
WLF	e PKPbc	Z	16:32:27.3	152.0	8.2					
STU	e PKPbc	Z	16:32:27.3	152.5	14.6					
FUR	e PKPbc	Z	16:32:27.9	152.7	19.0					
	e PKPab	Z	16:32:39.9							
BFO	e PKPbc	Z	16:32:28.6	153.1	13.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/18	06:18:45.2	5.770S	148.080E	33.0G		6.1		SZGRF
New Britain, Papua New Guinea, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	06:37:37.7	121.0	51.3					
	e PP	Z	06:39:07.6							
BRG	e PKPdf	Z	06:37:36.8	121.0	56.4					
CLL	e PKPdf	Z	06:37:39.4	121.3	55.3					
NRDL	e PKPdf	Z	06:37:38.9	122.0	51.8					
	e PP	Z	06:39:14.4							
TANN	e PP	Z	06:39:14.6	122.0	55.2					
GEC2	e PKPdf	Z	06:37:40.3	122.3	57.2					
CLZ	e PKPdf	Z	06:37:40.0	122.3	52.3					
	e PP	Z	06:39:18.0							
MOX	e PKPdf	Z	06:37:41.1	122.4	54.2					
	e PP	Z	06:39:19.1							
MANZ	e PKPdf	Z	06:37:40.6	122.5	55.1					
	e PP	Z	06:39:19.7							

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WET	e PKPdf	Z	06:37:41.5	122.5	56.3						
	e PP	Z	06:39:19.0								
UBBA	e PKPdf	Z	06:37:42.2	123.1	52.5						
	e PP	Z	06:39:21.0								
GRA1	e PKPdf	Z	06:37:43.2	123.1	54.3						
	e PP	Z	06:39:24.2								
	e SS	T	06:56:05.1								
	e L	T	07:22:26.6			20.4	4589			6.1	
FUR	e PKPdf	Z	06:37:45.3	124.0	55.2						
BUG	e PKPdf	Z	06:37:44.9	124.0	49.3						
STU	e PKPdf	Z	06:37:48.4	124.7	52.7						
	e PP	Z	06:39:30.5								
BFO	e PKPdf	Z	06:37:45.7	125.4	52.1						
	e PP	Z	06:39:36.0								
WLF	e PKPdf	Z	06:37:47.5	125.7	49.1						
	e PP	Z	06:39:37.4								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/18	06:28:42.9	14.900S	166.800E	22.0				NEIC

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 06:47:59.4	138.0	39.6					
CLZ	e PKPdf	Z 06:47:59.9	138.5	35.7					
MANZ	e PKPdf	Z 06:48:02.9	139.3	39.4					
UBBA	e PKPdf	Z 06:48:04.4	139.5	35.9					
GEC2	e PKPdf	Z 06:48:04.4	139.5	42.4					
WET	e PKPdf	Z 06:48:07.9	139.7	41.0					
GRA1	e PKPdf	Z 06:48:07.6	139.9	38.4					
BFO	e PKPdf	Z 06:48:06.8	142.2	35.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/18								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 11:36:23.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/18	14:29:49.2	33.840N	50.720E	33.0N	5.1	4.6		SZGRF

Northern and central Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 14:36:05.6	31.2	104.9	1.3	35	5.1		

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 20:45:59.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/18	23:51:26.0	10.120S	42.450E	32.1	5.0			SZGRF

Northwest of Madagascar

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 00:01:55.8	64.2	148.3	1.2	13	5.0		
MANZ	e P	Z 00:02:05.5	65.7	146.9	1.1	6	4.8		
BFO	e P	Z 00:02:06.2	65.8	142.7	1.2	10	4.9		
GRA1	e P	Z 00:02:05.9	65.8	146.0	1.0	15	5.2		
	e pP	Z 00:02:15.0							
BRG	e P	Z 00:02:06.5	65.8	149.0	1.7	21	5.1		
WERN	e P	Z 00:02:07.0	65.8	147.3					
GUNZ	e P	Z 00:02:07.6	65.9	147.2					
MOX	e P	Z 00:02:10.3	66.4	146.6	1.2	7	4.8		
CLL	e P	Z 00:02:10.7	66.5	148.1	1.7	20	5.1		
UBBA	e P	Z 00:02:14.9	67.1	145.0	1.2	7	4.8		
WLF	e P	Z 00:02:18.1	67.7	141.0	1.4	12	4.9		
CLZ	e P	Z 00:02:19.6	67.8	145.6	1.6	24	5.2		
NRDL	e P	Z 00:02:23.4	68.5	145.5	1.5	18	5.1		
BUG	e P	Z 00:02:25.2	68.6	142.5	0.8	8	5.0		
IBBN	e P	Z 00:02:28.1	69.2	143.2	0.5	14	5.4		
BSEG	e P	Z 00:02:30.1	69.6	146.0	1.6	27	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/19	06:27:37.8	38.810N	142.631E	33.0N	4.7			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 06:39:35.5	78.6	36.0	0.5	6	4.7		
CLL	e P	Z 06:39:42.3	79.7	37.6	0.9	9	4.8		
NRDL	e P	Z 06:39:42.9	79.8	35.7	1.0	6	4.5		
FBE	e P	Z 06:39:44.0	79.9	37.8	0.7	8	4.8		
CLZ	e P	Z 06:39:45.6	80.3	35.8	1.3	10	4.7		
WERD	e P	Z 06:39:47.7	80.7	37.0	1.3	7	4.6		
WERN	e P	Z 06:39:48.3	80.8	37.0	1.2	7	4.6		
MANZ	e P	Z 06:39:49.7	81.1	36.8	0.8	3	4.5		
GEC2	e P	Z 06:39:51.0	81.4	37.8	0.9	4	4.6		
WET	e P	Z 06:39:52.7	81.5	37.3					
GRA1	e P	Z 06:39:53.3	81.7	36.2	1.0	10	5.0		
RJOB	e P	Z 06:39:57.9	82.6	37.1	1.0	9	5.0		
BFO	e P	Z 06:40:04.3	83.9	34.1	0.9	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/19	12:04: 9.2	34.758N	13.140E	10.0G	4.0			SZGRF

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 12:07:35.9	14.1	181.9	1.8	11			
WET	e P	Z 12:07:39.1	14.4	179.1	0.4	8			
GRA1	e P	Z 12:07:46.9	15.0	173.9	0.6	12	4.2		
MANZ	e P	Z 12:07:49.2	15.2	176.8	0.7	9	3.9		
MOX	e P	Z 12:07:57.1	15.9	175.4	0.6	6	3.8		
CLL	e P	Z 12:08:03.6	16.5	179.6	0.6	8	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/19	20:36:31.3	14.800S	174.600W	10.0		5.0		NEIC

Samoa Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 20:56:02.7	140.7	7.5					
BUG	e PKPdf	Z 20:56:07.1	143.3	3.0					
MANZ	e PKPdf	Z 20:56:07.2	144.4	11.2					
GRA1	e PKPdf	Z 20:56:08.4	144.8	9.8					
	e pPKPdf	Z 20:56:14.9							
	e SS	T 21:18:18.6							
	e L	Z 22:07:17.5			18.4	249		5.0	
WET	e PKPdf	Z 20:56:08.7	145.1	12.7					
WLF	e PKPdf	Z 20:56:08.5	145.1	1.3					
GEC2	e PKPdf	Z 20:56:09.4	145.3	14.2					
	e pPKPdf	Z 20:56:16.0							
STU	e PKPdf	Z 20:56:12.3	145.9	6.5					
	e pPKPdf	Z 20:56:18.5							
FUR	e PKPdf	Z 20:56:12.9	146.3	10.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:47:28.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20	04:31:16.6	36.089N	140.140E	33.0N	4.7			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:43:39.2	83.1	39.3	1.0	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 04:46:21.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FBE	e PKPdf	Z 05:32:39.8							
GEC2	e PKPdf	Z 05:32:41.5							
GRA1	e PKPdf	Z 05:32:42.0							
GUNZ	e PKPdf	Z 05:32:41.4							
MANZ	e PKPdf	Z 05:32:40.7							
MOX	e PKPdf	Z 05:32:42.1							
WERD	e PKPdf	Z 05:32:40.5							
WERN	e PKPdf	Z 05:32:40.8							
WET	e PKPdf	Z 05:32:41.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20	14:00:23.6	34.940N	142.130E	33.0N	5.3	4.6		SZGRF
Off east coast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 14:12:41.2	81.7	40.5	0.9	33	5.4		
BSEG	e P	Z 14:12:41.9	81.9	38.1	1.0	33	5.4		
BRG	e P	Z 14:12:46.4	82.8	40.5	1.1	15	5.1		
CLL	e P	Z 14:12:46.6	82.9	39.9	1.0	33	5.5		
FBE	e P	Z 14:12:48.5	83.1	40.1	1.1	36	5.5		
NRDL	e P	Z 14:12:47.8	83.1	37.8	1.3	20	5.2		
CLZ	e P	Z 14:12:50.2	83.5	38.0	1.1	32	5.5		
WERD	e P	Z 14:12:51.5	83.8	39.3	1.2	14	5.1		
GUNZ	e P	Z 14:12:52.0	83.9	39.3	1.1	18	5.2		
WERN	e P	Z 14:12:52.3	83.9	39.3	1.1	21	5.3		
MOX	e P	Z 14:12:52.0	84.0	38.8	1.3	19	5.2		
IBBN	e P	Z 14:12:52.8	84.1	36.1	1.2	30	5.4		
MANZ	e P	Z 14:12:54.0	84.3	39.1	1.1	15	5.1		
UBBA	e P	Z 14:12:54.7	84.5	37.6	1.6	22	5.1		

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GEC2	e P	Z	14:12:54.7	84.5	40.2	1.1	15	5.1			
WET	e P	Z	14:12:56.1	84.6	39.6	1.3	24	5.3			
GRA1	e P	Z	14:12:57.2	84.9	38.5	1.1	61	5.7			
	e L	Z	14:55:16.3			20.6	288			4.6	
BUG	e P	Z	14:12:58.2	85.0	35.7	1.5	33	5.3			
FUR	e P	Z	14:13:03.2	86.0	38.4	0.6	28	5.5			
STU	e P	Z	14:13:04.9	86.4	37.0	1.0	42	5.5			
WLF	e P	Z	14:13:06.7	86.8	34.8	1.1	32	5.3			
BFO	e P	Z	14:13:07.6	87.1	36.3	1.2	32	5.3			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20	14:54: 9.4	35.966N	141.081E	33.0N	4.8			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:06:34.5	83.6	38.7	1.0	7	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20	17:01:58.0	35.895N	141.759E	33.0N	4.7			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:14:24.9	83.9	38.3	1.5	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20	18:12:38.0	35.990N	140.980E	33.0N	4.9	4.4		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 18:24:48.8	80.5	38.5	1.6	17	4.8		
BRG	e P	Z 18:24:54.2	81.5	40.8	1.2	8	4.7		
CLL	e P	Z 18:24:53.8	81.5	40.2	1.2	11	4.9		
CLZ	e P	Z 18:24:57.7	82.1	38.3	1.3	15	5.0		
MOX	e P	Z 18:24:59.9	82.6	39.1	1.9	21	5.0		
GEC2	e P	Z 18:25:02.1	83.1	40.4	1.1	6	4.8		
WET	e P	Z 18:25:03.3	83.2	39.9	1.6	10	4.8		
GRA1	e P	Z 18:25:04.5	83.5	38.8	1.3	21	5.2		
	e L	Z 19:07:23.8			20.0	149			4.4
BFO	e P	Z 18:25:15.5	85.7	36.6	1.4	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/06/20 19:04: 5.2
Northern Colombia

6.490N

71.940W 26.8

5.1 4.4

SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 19:15:58.1	77.4	265.1	1.1	51	5.6		
BUG	e P	Z 19:16:02.9	78.2	265.6	0.9	29	5.4		
IBBN	e P	Z 19:16:04.8	78.6	265.8	0.8	41	5.6		
BFO	e P	Z 19:16:05.1	78.7	267.1	1.0	14	5.0		
STU	e P	Z 19:16:08.7	79.3	267.6	0.9	42	5.6		
UBBA	e P	Z 19:16:12.0	79.9	267.9	1.6	25	5.0		
NRDL	e P	Z 19:16:12.7	80.0	267.7	1.0	24	5.2		
	e pP	Z 19:16:20.3							
CLZ	e P	Z 19:16:13.7	80.2	268.0	0.9	26	5.3		
BSEG	e P	Z 19:16:13.6	80.2	267.6	1.0	33	5.3		
GRA1	e P	Z 19:16:16.3	80.6	269.0	1.0	10	4.7		
	e pP	Z 19:16:23.9							
	e S	R 19:26:22.8							
	e L	Z 19:46:13.6			21.4	169		4.4	
FUR	e P	Z 19:16:16.5	80.6	269.3	0.6	17	5.1		
	e pP	Z 19:16:24.6							
MOX	e P	Z 19:16:17.3	80.9	269.2	1.4	14	4.7		
MANZ	e P	Z 19:16:19.4	81.2	269.6	1.0	24	5.1		
WERD	e P	Z 19:16:20.0	81.3	269.7	1.1	21	5.0		
	e pP	Z 19:16:27.5							
GUNZ	e P	Z 19:16:19.7	81.4	269.8	1.1	15	4.8		
WERN	e P	Z 19:16:20.0	81.4	269.8	1.1	21	5.0		
WET	e P	Z 19:16:21.8	81.7	270.4	1.3	23	5.0		
	e pP	Z 19:16:29.7							
CLL	e P	Z 19:16:22.2	81.8	270.1	1.0	14	5.0		
	e pP	Z 19:16:29.7							
RUE	e P	Z 19:16:25.0	82.3	270.6					
GEC2	e P	Z 19:16:24.7	82.3	271.0	1.0	27	5.2		
BRG	e P	Z 19:16:25.5	82.4	270.9	1.0	18	5.1		
	e pP	Z 19:16:33.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:08:53.3			1.0	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/21	04:08:21.5	21.110N	120.680E	72.1	5.1			SZGRF

Taiwan region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:20:43.4	83.7	64.0	1.5	22	5.2		
CLL	e P	Z	04:20:45.2	84.0	63.3	1.1	18	5.2		
	e pP	Z	04:21:04.7							
BSEG	e P	Z	04:20:46.3	84.3	61.5	0.9	13	5.1		
	e pP	Z	04:21:06.3							
GEC2	e P	Z	04:20:48.4	84.7	63.6	1.1	12	5.0		
	e pP	Z	04:21:07.9							
NRDL	e P	Z	04:20:50.0	85.1	61.2	1.0	17	5.2		
WET	e P	Z	04:20:50.2	85.1	63.1	1.4	11	4.9		
MOX	e P	Z	04:20:50.5	85.1	62.2	1.3	11	4.9		
MANZ	e P	Z	04:20:50.0	85.1	62.6	1.1	5	4.7		
CLZ	e P	Z	04:20:51.4	85.2	61.4	1.1	18	5.2		
	e pP	Z	04:21:11.1							
GRA1	e P	Z	04:20:54.3	85.8	61.9	1.3	20	5.1		
UBBA	e P	Z	04:20:53.9	85.9	61.0	1.6	17	4.9		
IBBN	e P	Z	04:20:57.0	86.4	59.4	0.6	19	5.4		
BUG	e P	Z	04:20:59.9	87.1	59.0	1.2	20	5.1		
WLF	e P	Z	04:21:08.0	88.6	58.1	0.9	23	5.4		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/21 04:39:19.8 46.420N 152.650E 33.0N 5.4 5.0 ML SZGRF
 Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	04:50:51.1	73.3	28.0	0.7	92	5.9		
BSEG	e P	Z	04:50:59.1	74.7	25.9	0.8	28	5.3		
NRDL	e P	Z	04:51:06.2	76.0	25.6	0.8	22	5.3		
CLL	e P	Z	04:51:07.3	76.3	27.4	0.7	67	5.9		
BRG	e P	Z	04:51:08.6	76.4	27.9					
FBE	e P	Z	04:51:09.9	76.5	27.5	0.8	37	5.5		
CLZ	e P	Z	04:51:09.2	76.5	25.7	0.9	49	5.6		
IBBN	e P	Z	04:51:10.7	76.8	24.0	0.8	39	5.6		
MOX	e P	Z	04:51:13.0	77.3	26.4	0.9	26	5.4		
WERN	e P	Z	04:51:13.9	77.4	26.8	0.8	30	5.5		
UBBA	e P	Z	04:51:14.4	77.6	25.4					
BUG	e P	Z	04:51:15.2	77.7	23.6	1.0	26	5.3		
MANZ	e P	Z	04:51:15.6	77.7	26.6					
GRA1	e P	Z	04:51:18.9	78.2	26.0	0.9	56	5.6		
	e L	Z	05:28:33.6			18.6	654		5.0	
WET	e P	Z	04:51:18.9	78.3	27.0	0.9	31	5.3		
GEC2	e P	Z	04:51:18.6	78.3	27.5	0.8	14	5.0		
RJOB	e P	Z	04:51:26.5	79.5	26.9	0.9	24	5.1		
FUR	e P	Z	04:51:26.2	79.6	25.9	1.1	36	5.2		
WLF	e P	Z	04:51:27.2	79.6	22.8	0.8	18	5.1		
STU	e P	Z	04:51:26.3	79.6	24.7	0.8	20	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/21	08:37:49.6	16.066S	174.981W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z 08:57:16.3	143.3	8.2					
CLZ	e PKPbc	Z 08:57:19.0	144.0	8.8					
CLL	e PKPbc	Z 08:57:19.4	144.2	13.2					
BRG	e PKPbc	Z 08:57:20.4	144.5	14.9					
FBE	e PKPbc	Z 08:57:20.9	144.5	13.9					
BUG	e PKPbc	Z 08:57:21.0	144.6	3.7					
MOX	e PKPbc	Z 08:57:21.7	145.0	11.1					
WERD	e PKPbc	Z 08:57:22.6	145.1	12.3					
GUNZ	e PKPbc	Z 08:57:23.0	145.2	12.4					
WERN	e PKPbc	Z 08:57:24.1	145.3	12.5					
MANZ	e PKPbc	Z 08:57:23.7	145.6	12.1					
GRA1	e PKPbc	Z 08:57:25.5	146.0	10.7					
GEC2	e PKPbc	Z 08:57:26.6	146.5	15.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/21								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 12:59:40.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/21	17:40: 2.9	50.096N	177.745W	33.0N	4.8			SZGRF
Andreanof Islands, Aleutian Islands, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 17:51:45.2	75.7	5.3	0.8	11	5.0		
NRDL	e P	Z 17:51:52.9	77.2	5.2	0.9	6	4.6		
IBBN	e P	Z 17:51:55.3	77.5	3.6	1.3	29	5.2		
CLZ	e P	Z 17:51:57.2	77.8	5.3	0.9	11	4.9		
BRG	e P	Z 17:52:00.0	78.5	7.6	0.9	5	4.5		
FBE	e P	Z 17:52:01.1	78.5	7.2	0.9	9	4.8		
WERD	e P	Z 17:52:03.0	79.1	6.5	1.4	9	4.7		
WERN	e P	Z 17:52:04.2	79.2	6.6	1.1	7	4.7		
GRA1	e P	Z 17:52:08.9	79.9	5.8	1.1	12	4.9		
WLF	e P	Z 17:52:10.5	80.2	2.5	1.2	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/21	18:19: 8.1	35.294N	27.149E	19.0G	3.7			the

Dodecanese Islands, Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 18:23:01.4	16.8	138.9	1.7	14	3.8		
WET	e P	Z 18:23:10.5	17.4	137.6	1.1	5	3.5		
BRG	e P	Z 18:23:19.1	18.3	143.5	1.1	3	3.4		
MANZ	e P	Z 18:23:20.0	18.3	137.6	1.9	16	3.8		
WERN	e P	Z 18:23:21.7	18.4	138.8	1.2	5	3.5		
GRA1	e P	Z 18:23:22.8	18.5	135.1	1.8	32	4.3		
GUNZ	e P	Z 18:23:24.1	18.5	138.9	1.4	8	3.7		
FBE	e P	Z 18:23:25.2	18.5	142.2	1.0	10	4.0		
WERD	e P	Z 18:23:23.6	18.6	139.0	1.0	4	3.7		
CLL	e P	Z 18:23:30.3	19.0	142.1	0.8	4	3.7		
MOX	e P	Z 18:23:29.7	19.0	137.9	0.9	5	3.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/21	18:34:22.4	37.760N	136.400E	33.0N	5.0			SZGRF

Near west coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 18:46:15.4	77.2	40.9	1.3	27	5.2		
BRG	e P	Z 18:46:19.5	78.0	43.0	0.9	8	4.8		
CLL	e P	Z 18:46:19.8	78.1	42.4	0.9	21	5.3		
NRDL	e P	Z 18:46:21.4	78.4	40.6	1.0	8	4.7		
CLZ	e P	Z 18:46:24.1	78.8	40.7	1.4	33	5.2		
MOX	e P	Z 18:46:26.3	79.2	41.4	1.4	17	4.9		
IBBN	e P	Z 18:46:28.0	79.5	38.9	0.7	22	5.2		
MANZ	e P	Z 18:46:27.8	79.5	41.6	1.1	9	4.6		
GEC2	e P	Z 18:46:28.2	79.6	42.6	1.4	14	4.7		
UBBA	e P	Z 18:46:28.9	79.7	40.3	1.5	13	4.6		
WET	e P	Z 18:46:29.0	79.8	42.0	1.3	15	4.8		
GRA1	e P	Z 18:46:31.6	80.1	41.0	1.0	25	5.1		
BUG	e P	Z 18:46:32.3	80.3	38.5	1.3	19	5.0		
STU	e P	Z 18:46:39.8	81.6	39.5	1.4	34	5.3		
WLF	e P	Z 18:46:41.4	82.2	37.5	1.7	61	5.5		
BFO	e P	Z 18:46:42.6	82.3	38.9	1.7	57	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/22	04:51:28.3	37.520N	69.030E	17.2	4.9	4.8		SZGRF

Afghanistan-Tajikistan border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 04:59:08.3	40.6	87.2	1.2	42	5.1		

	e pP	Z	04:59:13.9							
GEC2	e P	Z	04:59:10.9	40.9	84.7	1.3		16	4.6	
	e PP	Z	05:00:43.6							
CLL	e P	Z	04:59:12.6	41.2	87.0	1.3		36	4.9	
	e pP	Z	04:59:18.8							
	e PP	Z	05:00:50.4							
WET	e P	Z	04:59:15.0	41.4	84.4	1.4		14	4.5	
MANZ	e P	Z	04:59:18.7	41.9	84.8					
	e pP	Z	04:59:23.2							
MOX	e P	Z	04:59:20.5	42.1	85.2	1.5		26	4.7	
	e pP	Z	04:59:24.8							
	e PP	Z	05:01:00.2							
GRB3	e PP	Z	05:00:58.2	42.1	83.9					
GRA1	e P	Z	04:59:24.1	42.5	83.9	1.6		96	5.3	
	e pP	Z	04:59:28.0							
	e PP	Z	05:01:02.7							
	e S	R	05:05:50.3							
	e SS	T	05:09:02.0							
	e L	Z	05:20:55.6			18.6		1295		4.8
FUR	e P	Z	04:59:24.5	42.6	82.3	0.9		31	5.0	
	e PP	Z	05:01:03.1							
BSEG	e P	Z	04:59:25.5	42.7	87.8	1.1		22	4.8	
	e PP	Z	05:01:03.2							
CLZ	e P	Z	04:59:26.1	42.8	85.6	1.5		29	4.8	
	e pP	Z	04:59:30.2							
	e PP	Z	05:01:06.0							
NRDL	e P	Z	04:59:27.1	42.9	86.1	1.6		29	4.8	
	e PP	Z	05:01:06.3							
UBBA	e P	Z	04:59:28.4	43.1	84.3	1.0		8	4.4	
STU	e P	Z	04:59:34.9	43.9	81.6					
IBBN	e P	Z	04:59:38.6	44.4	84.2	1.1		22	4.8	
BFO	e P	Z	04:59:39.4	44.5	80.6	1.1		22	5.0	
WLF	e P	Z	04:59:49.9	45.7	80.5	1.2		45	5.4	

Date 2007/06/22
 Origin Time 16:05: 4.3
 Kuril Islands, Russia
 Lat 46.068N
 Long 153.408E
 Depth 33.0N
 mb 4.7
 Ms
 ML
 Source SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	16:16:45.1	75.2	25.5	0.8	7	4.9		
CLL	e P	Z	16:16:52.7	76.8	27.0	0.6	8	4.9		
BRG	e P	Z	16:16:54.4	76.9	27.6	1.1	4	4.4		
CLZ	e P	Z	16:16:55.2	77.1	25.3	0.8	8	4.8		
FBE	e P	Z	16:16:54.8	77.1	27.2					
WERD	e P	Z	16:16:59.9	77.8	26.5	1.5	10	4.7		
MOX	e P	Z	16:17:00.1	77.8	26.0	0.9	4	4.6		
WERN	e P	Z	16:16:59.3	77.9	26.5	0.6	4	4.8		

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UBBA	e P	Z	16:17:01.4	78.1	25.0	1.0	4	4.6
BUG	e P	Z	16:17:02.8	78.2	23.3	0.9	8	4.9
GRA1	e P	Z	16:17:04.1	78.8	25.7	0.8	9	4.9
WET	e P	Z	16:17:04.4	78.8	26.7	1.4	12	4.8
GEC2	e P	Z	16:17:04.1	78.8	27.2	1.3	6	4.6
BFO	e P	Z	16:17:16.5	80.8	23.7	1.2	11	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/22	17:32:43.8	11.600S	166.200E	53.0				NEIC
Santa Cruz Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 17:51:57.2	134.7	38.4					
MANZ	e PKPdf	Z 17:51:58.6	136.1	38.1					
WET	e PKPdf	Z 17:51:59.4	136.4	39.7					
GRA1	e PKPdf	Z 17:52:00.3	136.7	37.2					
	e SKPdf	Z 17:55:36.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/22	20:50:57.4	44.628N	10.073E	10.0G			3.3	SZGRF
Northern Italy								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 20:52:10.7	4.9	211.9					3.3
	e Sn	N 20:53:05.8							
WET	e Sn	N 20:53:06.2	4.9	204.0					3.2
GRA1	e Sn	E 20:53:11.2	5.1	189.2					
MANZ	e Sn	E 20:53:20.4	5.5	195.2					3.2
GUNZ	e Sn	Z 20:53:31.0	5.9	195.7					3.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/22	22:20: 6.7	42.950N	142.430E	121.2	5.1			SZGRF
Hokkaido, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 22:31:36.1	74.8	34.2	1.1	28	5.2		
	e PP	Z 22:34:25.5							
CLL	e P	Z 22:31:42.3	76.0	35.6	1.1	25	5.3		
BRG	e P	Z 22:31:42.6	76.0	36.2	0.9	8	4.9		
	e pP	Z 22:32:13.0							
	e PP	Z 22:34:32.9							
NRDL	e P	Z 22:31:42.4	76.1	33.9	1.2	16	5.0		
	e pP	Z 22:32:13.6							

	e PP	Z	22:34:34.2						
CLZ	e P	Z	22:31:45.6	76.5	34.0	0.8	22	5.3	
	e pP	Z	22:32:16.1						
IBBN	e P	Z	22:31:48.2	77.0	32.3	1.1	35	5.4	
MOX	e P	Z	22:31:48.3	77.1	34.6	1.4	20	5.0	
	e pP	Z	22:32:19.1						
	e PP	Z	22:34:44.4						
MANZ	e P	Z	22:31:50.6	77.4	34.9	0.8	6	4.8	
UBBA	e P	Z	22:31:50.4	77.5	33.6	1.4	10	4.7	
GEC2	e P	Z	22:31:52.0	77.8	35.7	1.1	7	4.7	
	e PP	Z	22:34:47.6						
WET	e P	Z	22:31:52.8	77.9	35.3	1.2	20	5.1	
	e pP	Z	22:32:22.5						
BUG	e P	Z	22:31:53.0	77.9	31.9	0.9	24	5.3	
	e pP	Z	22:32:24.0						
GRA1	e P	Z	22:31:53.8	78.0	34.3	1.0	29	5.3	
	e pP	Z	22:32:24.3						
	e PP	Z	22:34:48.4						
FUR	e P	Z	22:32:00.6	79.3	34.1	1.2	36	5.2	
STU	e P	Z	22:32:02.1	79.5	32.8	0.9	20	5.0	
BFO	e P	Z	22:32:05.3	80.2	32.2	1.5	28	5.1	

Date 2007/06/23 Origin Time Lat Long Depth mb Ms ML Source

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 00:27:37.0

Date 2007/06/23 Origin Time Lat Long Depth mb Ms ML Source

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 00:51:18.2

Date 2007/06/23 Origin Time 01:31:44.9 Lat 22.800S Long 171.700E Depth 35.0 mb Ms ML Source
Southeast of Loyalty Islands NEIC

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 01:51:29.7 149.0 36.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	03:51:54.2	22.800S	171.700E	96.0				NEIC

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 04:11:29.9	149.0	36.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	05:57:52.3	34.292N	139.741E	59.7	4.8			SZGRF

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:10:22.0	84.4	40.5	0.9	7	4.8		
	e pP	Z 06:10:38.8			0.9	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	06:54:14.5	23.264N	97.354E	33.0N	4.4			SZGRF

Myanmar-China border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:05:23.5	70.0	77.2	1.2	4	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	08:17:19.1	21.050N	99.960E	33.0N	5.3	5.5		SZGRF

Myanmar-China border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 08:28:36.7	71.4	79.3	0.8	19	5.3		
	e S	T 08:37:54.1							
CLL	e P	Z 08:28:39.2	71.9	78.7	1.3	26	5.2		
	e S	T 08:37:57.4							
GEC2	e P	Z 08:28:40.2	71.9	78.4	1.2	49	5.5		
	e S	T 08:38:00.1							
WET	e P	Z 08:28:43.0	72.4	77.9	1.0	23	5.3		
	e S	T 08:38:07.3							
MANZ	e P	Z 08:28:45.2	72.7	77.7	1.7	43	5.3		
	e S	T 08:38:09.9							
MOX	e P	Z 08:28:45.6	72.9	77.5	1.5	32	5.2		
	e S	T 08:38:11.3							
BSEG	e P	Z 08:28:46.4	72.9	77.5	1.0	26	5.3		
	e S	T 08:38:13.2							
GRA1	e P	Z 08:28:49.0	73.3	76.9	1.6	66	5.5		
	e S	T 08:38:17.0							

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	e L	Z	09:01:57.5			19.5	2399		5.5
CLZ	e P	Z	08:28:48.8	73.3	76.9	0.9	24	5.3	
	e S	T	08:38:17.1						
NRDL	e P	Z	08:28:49.2	73.4	76.9	1.2	29	5.3	
	e S	T	08:38:14.7						
FUR	e P	Z	08:28:50.5	73.6	76.5	0.9	32	5.5	
	e S	T	08:38:19.3						
UBBA	e P	Z	08:28:52.7	73.8	76.4	1.5	27	5.2	
	e S	T	08:38:21.7						
IBBN	e P	Z	08:28:57.4	74.8	75.1	1.1	21	5.1	
STU	e P	Z	08:28:57.4	74.8	75.2	0.9	30	5.3	
	e S	T	08:38:33.7						
BUG	e P	Z	08:29:00.2	75.3	74.5	1.2	20	5.0	
	e S	T	08:38:40.8						
BFO	e P	Z	08:29:00.9	75.5	74.5	1.3	23	5.1	
	e S	T	08:38:40.2						
WLF	e P	Z	08:29:07.7	76.5	73.3	1.6	82	5.6	
	e S	T	08:38:54.5						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	08:27:42.5	20.850N	101.320E	33.0N	5.2			SZGRF

Laos

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 08:39:05.7	72.4	78.4	0.7	12	5.1		
CLL	e P	Z 08:39:08.4	72.8	77.9	0.9	12	5.0		
	e PP	Z 08:41:50.8							
GEC2	e P	Z 08:39:09.4	72.9	77.6	1.8	62	5.4		
WET	e P	Z 08:39:12.2	73.4	77.1	1.2	23	5.1		
	e PP	Z 08:41:56.1							
MANZ	e P	Z 08:39:14.4	73.7	76.8	2.0	64	5.3		
MOX	e P	Z 08:39:14.4	73.8	76.6	1.7	28	5.0		
	e PP	Z 08:41:59.9							
BSEG	e P	Z 08:39:15.5	73.9	76.6	1.1	18	5.0		
GRA1	e P	Z 08:39:19.1	74.3	76.1	1.7	66	5.4		
CLZ	e P	Z 08:39:17.8	74.3	76.1	1.0	24	5.2		
NRDL	e P	Z 08:39:18.3	74.3	76.0	1.3	31	5.2		
UBBA	e P	Z 08:39:21.8	74.8	75.5	1.5	22	5.0		
IBBN	e PP	Z 08:42:17.8	75.8	74.2					
STU	e P	Z 08:39:27.8	75.8	74.4	0.9	27	5.4		
BFO	e PP	Z 08:42:22.4	76.5	73.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	10:24:25.8	10.900S	166.200E	92.0				NEIC

Santa Cruz Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z	10:43:32.2	134.0	39.5					
CLL	e PKPdf	Z	10:43:32.0	134.1	38.0					
FBE	e PKPdf	Z	10:43:33.2	134.2	38.7					
	e pPKPdf	Z	10:43:58.6							
WERD	e PKPdf	Z	10:43:34.3	135.0	37.7					
GUNZ	e PKPdf	Z	10:43:34.7	135.1	37.8					
MANZ	e PKPdf	Z	10:43:35.1	135.5	37.7					
GEC2	e PKPdf	Z	10:43:35.3	135.7	40.5					
WET	e PKPdf	Z	10:43:35.6	135.8	39.2					
GRA1	e PKPdf	Z	10:43:36.2	136.0	36.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	11:47:38.1	1.200N	97.200E	30.0	4.6			NEIC

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:00:09.7	84.8	94.5	1.0	4	4.6		
GEC2	e P	Z	12:00:10.1	84.8	94.1	1.1	5	4.6		
WET	e P	Z	12:00:12.8	85.4	93.5	1.0	5	4.7		
MANZ	e P	Z	12:00:15.6	85.9	93.0	1.1	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	11:55:12.9	9.450S	46.260E	33.0N	5.2			SZGRF

Northwest of Madagascar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RJOB	e P	Z	12:05:44.8	64.4	142.9	1.3	16	5.1		
GEC2	e P	Z	12:05:48.5	64.9	144.1	1.4	31	5.3		
FUR	e P	Z	12:05:51.3	65.4	141.5	1.6	70	5.6		
WET	e P	Z	12:05:51.4	65.5	143.4	1.9	22	5.1		
MANZ	e P	Z	12:05:58.0	66.5	142.8	1.4	19	5.1		
BRG	e P	Z	12:05:58.6	66.5	144.9	1.3	24	5.3		
GRA1	e P	Z	12:05:59.4	66.6	141.9	1.2	24	5.3		
STU	e P	Z	12:05:59.8	66.7	139.7	0.9	14	5.2		
BFO	e P	Z	12:05:59.9	66.8	138.7	1.1	9	4.9		
MOX	e P	Z	12:06:02.8	67.2	142.5	1.2	15	5.1		
CLL	e P	Z	12:06:02.9	67.2	144.1	1.3	22	5.2		
UBBA	e P	Z	12:06:07.7	68.0	141.0	1.7	22	5.1		
CLZ	e P	Z	12:06:12.0	68.6	141.6	1.5	38	5.4		
NRDL	e P	Z	12:06:16.0	69.2	141.5	1.8	31	5.2		
BUG	e P	Z	12:06:17.6	69.5	138.5	1.3	23	5.3		
IBBN	e P	Z	12:06:20.5	70.0	139.2	1.5	34	5.2		
BSEG	e P	Z	12:06:21.7	70.3	142.0	1.4	16	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	16:47:25.2	0.901N	97.182E	33.0N	4.9			GSRC

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 16:59:59.9	85.0	94.3	1.3	11	4.9		
BRG	e P	Z 17:00:00.3	85.0	94.7	1.2	6	4.7		
WET	e P	Z 17:00:03.1	85.6	93.7	1.6	11	4.7		
CLL	e P	Z 17:00:03.0	85.7	94.0	1.4	8	4.7		
MANZ	e P	Z 17:00:06.3	86.1	93.2	1.6	14	4.8		
GRA1	e P	Z 17:00:06.1	86.7	92.5	0.7	11	5.1		
BSEG	e P	Z 17:00:12.3	87.4	92.0	1.3	18	5.0		
BFO	e P	Z 17:00:17.8	88.6	90.3	2.3	30	5.1		
IBBN	e P	Z 17:00:19.1	88.9	89.9	1.4	24	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	19:14:49.8	16.200S	177.400W	33.0				GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 19:34:28.3	145.8	14.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	19:20:47.9	16.100S	176.400W	33.0		5.1		GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 19:40:21.2	145.8	13.1					
	e L	Z 20:40:58.9			21.9	346		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 19:44:43.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	19:35:30.6	16.100S	177.000W	33.0				GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 19:55:07.6	145.8	14.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	19:47: 5.5	16.100S	177.000W	33.0				GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 20:06:42.8	145.8	14.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	21:02:16.1	17.013S	179.294W	33.0N		4.9		SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z 21:21:45.5	143.8	15.3					
IBBN	e PKPbc	Z 21:21:49.5	144.3	11.6					
CLL	e PKPbc	Z 21:21:45.4	144.3	20.4					
CLZ	e PKPbc	Z 21:21:48.2	144.3	16.0					
BRG	e PKPbc	Z 21:21:44.8	144.5	22.2					
BUG	e PKPbc	Z 21:21:47.5	145.2	11.0					
MOX	e PKPbc	Z 21:21:48.9	145.3	18.5					
UBBA	e PKPbc	Z 21:21:48.7	145.4	15.8					
MANZ	e PKPbc	Z 21:21:51.1	145.8	19.6					
GRA1	e PKPbc	Z 21:21:52.6	146.2	18.3					
	e L	Z 22:14:42.6			18.9	180		4.9	
WET	e PKPbc	Z 21:21:53.3	146.4	21.4					
GEC2	e PKPbc	Z 21:21:53.5	146.5	22.9					
WLF	e PKPbc	Z 21:21:54.6	147.1	9.6					
STU	e PKPbc	Z 21:21:55.9	147.5	15.2					
RJOB	e PKPbc	Z 21:21:58.9	147.7	22.0					
BFO	e PKPbc	Z 21:21:57.2	148.1	13.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23	21:52: 5.6	17.280S	177.130W	33.0N		5.2		SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 22:11:37.8	144.9	12.5					
CLL	e PKPbc	Z 22:11:37.8	145.0	17.0					
BRG	e PKPbc	Z 22:11:38.9	145.3	18.8					

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BUG	e	PKPbc	Z	22:11:40.1	145.7	7.5						
MOX	e	PKPbc	Z	22:11:41.2	145.9	15.0						
UBBA	e	PKPbc	Z	22:11:41.3	146.0	12.2						
MANZ	e	PKPbc	Z	22:11:43.3	146.5	16.1						
GRA1	e	PKPbc	Z	22:11:44.6	146.9	14.7						
	e	L	Z	23:19:09.8			20.8	389		5.2		
WET	e	PKPbc	Z	22:11:45.6	147.1	17.8						
GEC2	e	PKPbc	Z	22:11:45.7	147.2	19.4						
WLF	e	PKPbc	Z	22:11:46.8	147.5	5.8						
STU	e	PKPbc	Z	22:11:48.3	148.1	11.5						
FUR	e	PKPbc	Z	22:11:48.7	148.4	15.4						
RJOB	e	PKPbc	Z	22:11:49.1	148.5	18.3						
BFO	e	PKPbc	Z	22:11:49.4	148.6	10.1						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 22:28:21.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24	00:25:18.3	55.600S	2.800W	10.0	5.1	5.9		NEIC
Southern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Sdiff	T 00:51:22.1	104.3	186.5					
	e SS	T 00:58:39.8							
FUR	e Sdiff	T 00:51:23.2	104.4	188.2					
	e SS	T 00:58:37.4							
STU	e Sdiff	T 00:51:26.6	104.9	187.0					
	e SS	T 00:58:47.5							
GEC2	e Sdiff	T 00:51:30.8	105.4	189.6					
	e SS	T 00:58:49.6							
WLF	e Sdiff	T 00:51:30.7	105.5	185.2					
WET	e Sdiff	T 00:51:30.4	105.6	189.1					
	e SP	Z 00:53:09.8							
	e SS	T 00:58:49.8							
GRA1	e Pdiff	Z 00:39:37.9	105.9	188.2	1.6	15	5.1		
	e PP	Z 00:43:54.6							
	e Sdiff	T 00:51:35.4							
	e SP	Z 00:53:16.4							
	e SS	T 00:58:56.9							
	e L	Z 01:28:55.2			20.4	3294	5.9		
MANZ	e Sdiff	T 00:51:40.0	106.3	188.7					
	e SP	Z 00:53:28.0							

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	e SS	T	00:59:01.7		
MOX	e Sdiff	T	00:51:46.2	106.9	188.5
	e SS	T	00:59:10.4		
UBBA	e Sdiff	T	00:51:44.6	106.9	187.5
	e SS	T	00:59:14.6		
BUG	e SKSac	R	00:50:22.0	107.4	185.9
	e Sdiff	T	00:51:52.2		
	e SS	T	00:59:16.4		
CLL	e Sdiff	T	00:51:53.3	107.7	189.3
	e SP	Z	00:53:33.4		
	e SS	T	00:59:19.8		
CLZ	e Sdiff	T	00:51:54.5	108.0	187.8
	e SP	Z	00:53:38.3		
	e SS	T	00:59:26.1		
IBBN	e SKSac	T	00:50:20.3	108.3	186.3
	e SS	T	00:59:21.3		
NRDL	e Sdiff	T	00:51:59.8	108.6	187.7
	e SP	Z	00:53:47.5		
	e SS	T	00:59:34.8		
BSEG	e SS	T	00:59:55.3	110.1	187.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24	07:10:39.4	27.600N	52.900E	13.0	4.3			NEIC
Southern Iran								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 07:17:46.5	36.8	110.8	2.0	9	4.2		
WET	e P	Z 07:17:51.1	37.4	110.2	1.0	3	3.9		
BRG	e P	Z 07:17:51.5	37.4	113.5	1.1	5	4.1		
FUR	e P	Z 07:17:57.4	38.1	107.4	1.1	16	4.7		
CLL	e P	Z 07:17:57.8	38.1	113.0	1.2	6	4.2		
MANZ	e P	Z 07:17:57.9	38.2	110.5	1.1	3	3.9		
GRA1	e P	Z 07:18:02.0	38.6	109.2	1.0	10	4.4		
MOX	e P	Z 07:18:04.2	38.7	110.7	1.4	6	4.0		
CLZ	e P	Z 07:18:12.6	39.8	110.8	0.9	11	4.5		
NRDL	e P	Z 07:18:16.2	40.2	111.2	0.9	9	4.4		
BSEG	e P	Z 07:18:19.3	40.7	113.0	1.2	7	4.3		
IBBN	e P	Z 07:18:27.6	41.5	108.6	1.2	14	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:00:54.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24	10:15:26.2	17.380S	177.106W	35.0				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 10:35:01.8	145.0	12.5					
CLL	e PKPbc	Z 10:34:59.3	145.1	17.0					
BRG	e PKPbc	Z 10:35:00.4	145.4	18.8					
BUG	e PKPbc	Z 10:35:02.2	145.8	7.4					
MOX	e PKPbc	Z 10:35:02.5	146.0	15.0					
UBBA	e PKPbc	Z 10:35:02.0	146.1	12.2					
MANZ	e PKPbc	Z 10:35:03.6	146.6	16.1					
GRA1	e PKPbc	Z 10:35:04.7	147.0	14.7					
WET	e PKPbc	Z 10:35:07.5	147.2	17.8					
GEC2	e PKPbc	Z 10:35:06.2	147.3	19.4					
WLF	e PKPbc	Z 10:35:08.0	147.6	5.8					
STU	e PKPbc	Z 10:35:07.3	148.2	11.5					
BFO	e PKPbc	Z 10:35:10.5	148.7	10.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24	11:56:59.4	27.200S	177.800W	125.0				NEIC

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 12:17:08.6	156.5	20.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24	12:59:53.7	16.369S	177.112W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPab	Z 13:19:14.0	142.0	11.6					
CLL	e PKPab	Z 13:19:22.0	144.1	16.7					
BRG	e PKPab	Z 13:19:23.3	144.4	18.4					
MANZ	e PKPab	Z 13:19:29.5	145.6	15.8					
GRA1	e PKPab	Z 13:19:30.4	146.0	14.4					
GEC2	e PKPab	Z 13:19:31.5	146.3	19.0					
WLF	e PKPab	Z 13:19:33.1	146.6	5.7					
BFO	e PKPab	Z 13:19:37.0	147.7	9.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/06/24 13:47:33.0 4.640N 95.240E 42.5 5.1 SZGRF
Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 13:59:43.1	80.9	93.8	1.8	36	5.1		
	e pP	Z 13:59:55.2							
GEC2	e P	Z 13:59:43.3	80.9	93.3	1.0	25	5.2		
	e pP	Z 13:59:55.4							
WET	e P	Z 13:59:46.3	81.5	92.7	1.0	14	5.0		
CLL	e P	Z 13:59:45.8	81.5	93.2	1.1	9	4.8		
MANZ	e P	Z 13:59:49.2	82.0	92.3	1.1	18	5.1		
	e pP	Z 14:00:01.4							
MOX	e P	Z 13:59:50.7	82.4	92.0	1.4	16	5.0		
GRA1	e P	Z 13:59:52.2	82.6	91.6	1.0	13	5.1		
	e pP	Z 14:00:04.5							
CLZ	e P	Z 13:59:54.5	83.2	91.2	1.4	20	5.2		
BSEG	e P	Z 13:59:55.5	83.3	91.4	1.0	16	5.2		
NRDL	e P	Z 13:59:55.9	83.4	91.0	1.6	37	5.4		
UBBA	e P	Z 13:59:55.8	83.4	90.8	1.9	18	5.0		
BFO	e P	Z 14:00:01.1	84.5	89.2	0.9	8	5.0		
BUG	e P	Z 14:00:04.8	85.1	88.7	1.4	22	5.2		
WLF	e P	Z 14:00:08.9	85.9	87.7	1.2	11	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/24 18:01:10.2 22.840S 173.340E 33.0N
Southeast of Loyalty Islands SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 18:20:47.1	146.4	29.1					
BRG	e PKPbc	Z 18:20:50.4	147.7	37.4					
FBE	e PKPbc	Z 18:20:52.9	147.9	36.4					
GUNZ	e PKPbc	Z 18:20:54.6	148.7	35.3					
MOX	e PKPbc	Z 18:20:53.0	148.8	33.9					
WERN	e PKPbc	Z 18:20:54.5	148.8	35.5					
MANZ	e PKPbc	Z 18:20:55.1	149.1	35.3					
GEC2	e PKPbc	Z 18:20:55.0	149.4	39.1					
GRA1	e PKPbc	Z 18:20:56.5	149.7	34.1					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/06/24 18:37:42.1 35.890N 24.450E 33.0G 3.8
Crete, Greece SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 18:41:19.4	15.2	144.7	1.3	7	3.6		
WET	e P	Z 18:41:24.9	15.7	143.1	0.9	5	3.7		

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MANZ	e P	Z	18:41:36.5	16.7	142.9	1.2	5	3.5
BRG	e P	Z	18:41:37.2	16.8	149.2	0.8	4	3.7
GRA1	e P	Z	18:41:38.2	16.8	140.2	1.3	16	4.1
GUNZ	e P	Z	18:41:39.2	16.9	144.2	1.7	12	3.8
WERD	e P	Z	18:41:40.7	17.0	144.3	1.7	12	3.8
FBE	e P	Z	18:41:41.1	17.0	147.8	1.4	13	4.0
MOX	e P	Z	18:41:46.8	17.4	143.0	0.8	3	3.6
CLL	e P	Z	18:41:45.1	17.5	147.6	0.6	3	3.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/24	19:21:56.5	21.500S	178.100W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	19:41:35.3	146.9	14.5					
NRDL	e PKPbc	Z	19:41:39.2	148.4	14.7					
IBBN	e PKPbc	Z	19:41:40.8	148.9	10.6					
CLZ	e PKPbc	Z	19:41:41.3	149.0	15.4					
	e PKPab	Z	19:41:45.2							
CLL	e PKPbc	Z	19:41:41.2	149.0	20.3					
	e PKPab	Z	19:41:45.3							
BRG	e PKPbc	Z	19:41:41.5	149.2	22.2					
	e PKPab	Z	19:41:46.3							
BUG	e PKPbc	Z	19:41:43.4	149.8	10.0					
	e PKPab	Z	19:41:48.5							
MOX	e PKPbc	Z	19:41:43.5	149.9	18.2					
	e PKPab	Z	19:41:48.7							
UBBA	e PKPbc	Z	19:41:43.5	150.0	15.2					
MANZ	e PKPbc	Z	19:41:45.0	150.4	19.5					
GRA1	e PKPbc	Z	19:41:45.9	150.9	18.0					
	e PKPab	Z	19:41:53.1							
WET	e PKPbc	Z	19:41:46.1	151.0	21.4					
	e PKPab	Z	19:41:54.1							
GEC2	e PKPbc	Z	19:41:46.2	151.1	23.2					
	e PKPab	Z	19:41:53.3							
WLF	e PKPbc	Z	19:41:48.2	151.6	8.3					
STU	e PKPbc	Z	19:41:49.2	152.1	14.6					
FUR	e PKPbc	Z	19:41:49.1	152.3	19.0					
	e PKPab	Z	19:41:59.9							
BFO	e PKPbc	Z	19:41:50.3	152.7	13.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/25	02:32:31.1	41.227N	125.156W	33.1	4.6	4.4		SZGRF
Off coast of northern California, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:44:44.8	81.4	328.3	1.1	6	4.6		
	e pP	Z 02:44:54.4							
	e L	Z 03:19:57.9			19.3	158		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/25	13:18:57.1	51.580N	174.490W	45.2	5.1	4.4		SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:30:32.8	74.4	3.1	0.9	18	5.1		
NRDL	e P	Z 13:30:40.8	75.9	2.9	0.8	9	5.0		
IBBN	e P	Z 13:30:42.7	76.1	1.4	0.7	19	5.3		
CLZ	e P	Z 13:30:44.8	76.5	3.1	0.8	18	5.2		
	e pP	Z 13:30:57.3							
CLL	e P	Z 13:30:46.7	76.9	4.8	0.7	15	5.2		
BRG	e P	Z 13:30:49.0	77.3	5.4	0.8	19	5.3		
UBBA	e P	Z 13:30:50.1	77.5	2.9	1.3	15	4.9		
MOX	e P	Z 13:30:51.0	77.6	3.9	0.8	18	5.3		
	e pP	Z 13:31:03.7							
MANZ	e P	Z 13:30:54.9	78.3	4.2	0.9	9	4.8		
GRA1	e P	Z 13:30:57.1	78.6	3.6	0.6	36	5.5		
	e pP	Z 13:31:10.1							
	e L	Z 14:15:20.8			19.2	168		4.4	
WET	e P	Z 13:30:59.1	79.1	4.7	0.7	8	4.9		
GEC2	e P	Z 13:31:00.5	79.3	5.2	0.8	12	4.9		
	e pP	Z 13:31:13.7							
BFO	e P	Z 13:31:04.0	80.1	1.8	0.9	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/25								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 13:51:20.3							
CLL	e PKPdf	Z 13:51:20.2							
GEC2	e PKPdf	Z 13:51:19.5							
GUNZ	e PKPdf	Z 13:51:21.5							
MOX	e PKPdf	Z 13:51:21.3							
WERD	e PKPdf	Z 13:51:20.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/25	17:10:17.5	11.300S	165.500E	37.0				NEIC

Santa Cruz Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 17:29:37.3	136.1	37.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/25	18:09:41.7	23.904N	95.161E	16.6	5.0			SZGRF

Myanmar

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 18:20:30.4	66.3	80.7	0.9	7	4.9		
GEC2	e P	Z 18:20:33.7	66.8	79.7	0.8	7	4.9		
CLL	e P	Z 18:20:33.1	66.8	80.2	1.2	8	4.8		
	e pP	Z 18:20:37.4							
WET	e P	Z 18:20:37.0	67.2	79.2	1.0	6	4.8		
	e pP	Z 18:20:41.9							
MOX	e P	Z 18:20:38.3	67.8	78.9	1.0	8	4.9		
BSEG	e P	Z 18:20:36.4	67.9	79.3	0.8	17	5.3		
	e pP	Z 18:20:41.0							
GRA1	e P	Z 18:20:39.3	68.2	78.3	1.9	24	5.1		
	e pP	Z 18:20:43.7							
CLZ	e pP	Z 18:20:43.7	68.3	78.5	0.9	18			
NRDL	e P	Z 18:20:38.6	68.3	78.6					
	e pP	Z 18:20:44.1			1.0	15			
FUR	e P	Z 18:20:40.8	68.5	77.7					
	e pP	Z 18:20:45.1			0.9	12			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/26	08:04:22.8	48.205N	154.227E	33.0N	5.5	4.6		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:16:13.0	77.0	24.3	0.8	36	5.5		
	e L	Z 08:54:15.9			19.3	303		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/26	11:02:54.3	70.958N	11.411W	33.0N	5.3	3.9		SZGRF

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:08:03.7	23.7	341.8	2.1	195	5.3		
	e L	Z 11:17:02.6			21.3	457		3.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/26	19:17: 7.8	40.395N	68.765E	33.0N	5.2			SZGRF
Southeastern Uzbekistan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:24:45.2	40.7	80.5	2.4	121	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/26	22:23: 2.2	10.500S	108.100E	10.0		5.5		NEIC
South of Jawa, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 22:36:58.5	102.4	91.6					
	e PP	Z 22:41:10.0							
	e SKSac	E 22:47:37.5							
	e SS	E 22:55:38.1							
	e L	Z 23:29:11.9			20.8	1545		5.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/27	14:10:25.3	71.350N	15.690W	33.0N	4.9	4.2		SZGRF
Jan Mayen Island region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e S	N 14:19:26.5	22.4	340.9					
CLZ	e S	Z 14:19:32.1	22.7	338.7					
CLL	e P	Z 14:15:35.2	23.8	337.6	2.4	215	5.3		
WLF	e P	Z 14:15:37.0	23.9	342.9	1.4	49	4.8		
	e S	N 14:19:51.7							
MOX	e P	Z 14:15:38.9	24.1	338.9	1.5	41	4.7		
	e S	N 14:19:55.9							
FBE	e P	Z 14:15:40.1	24.3	337.8					
BRG	e P	Z 14:15:41.5	24.4	337.5	1.4	27	4.8		
	e S	N 14:20:03.6							
WERD	e P	Z 14:15:42.0	24.4	338.7					
GUNZ	e P	Z 14:15:42.5	24.5	338.8					
WERN	e P	Z 14:15:43.2	24.6	338.8					
MANZ	e P	Z 14:15:45.1	24.8	339.2					
GRA1	e P	Z 14:15:46.4	24.9	339.9	1.0	36	5.1		
	e S	N 14:20:10.6							
	e L	Z 14:24:44.5			20.4	765		4.2	
ROTZ	e P	Z 14:15:48.2	25.1	339.3					
	e S	N 14:20:12.7							
BFO	e P	Z 14:15:53.5	25.6	342.5	0.9	16	4.6		
WET	e P	Z 14:15:54.8	25.8	339.4	1.7	32	4.7		

	e S	N	14:20:24.6							
GEC2	e P	Z	14:15:59.1	26.3	339.2	2.0		69	4.9	
FUR	e P	Z	14:16:01.6	26.4	340.9					
	e S	N	14:20:32.2							
RJOB	e P	Z	14:16:10.1	27.1	340.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/27	23:14:50.3	36.221N	135.489E	33.0N	4.8			SZGRF

Sea of Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:27:02.0	81.0	42.5	1.0	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/28	02:52:12.1	7.270S	156.080E	33.0N		6.6		SZGRF

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPdf	Z 03:11:09.2	124.1	46.5					
	e PP	Z 03:12:52.1							
	e SP	R 03:22:46.8							
	e SS	T 03:29:51.2							
RUE	e PKPdf	Z 03:11:11.3	125.3	48.0					
	e PP	Z 03:13:00.2							
	e SP	R 03:22:57.1							
	e SS	T 03:29:56.3							
BSEG	e PKPdf	Z 03:11:12.5	125.8	43.5					
	e PP	Z 03:13:03.4							
	e SP	R 03:23:01.6							
	e SS	T 03:30:03.2							
BRG	e PKPdf	Z 03:11:13.2	126.3	49.1					
	e PP	Z 03:13:07.4							
	e SP	R 03:23:07.3							
	e SS	T 03:30:14.2							
CLL	e PKPdf	Z 03:11:13.4	126.5	47.8					
	e PP	Z 03:13:08.0							
	e SP	R 03:23:07.8							
	e SS	T 03:30:17.2							
FBE	e SS	T 03:30:17.7	126.6	48.4					
HLG	e PKPdf	Z 03:11:13.9	126.6	40.6					
	e PP	Z 03:13:08.6							
	e SP	R 03:23:06.9							
	e SS	T 03:30:23.7							
NRDL	e PKPdf	Z 03:11:14.7	126.9	44.0					
	e PP	Z 03:13:11.4							

	e SP	R	03:23:12.1					
	e SS	T	03:30:17.7					
CLZ	e PKPdf	Z	03:11:15.5	127.3	44.6			
	e PP	Z	03:13:14.0					
	e SP	R	03:23:15.3					
	e SS	T	03:30:20.5					
MOX	e PKPdf	Z	03:11:15.7	127.6	46.7			
	e PP	Z	03:13:15.6					
	e SP	R	03:23:17.4					
	e SS	T	03:30:26.4					
GEC2	e PKPdf	Z	03:11:15.8	127.8	50.0			
	e PP	Z	03:13:17.0					
	e SP	R	03:23:20.0					
	e SS	T	03:30:28.7					
MANZ	e PKPdf	Z	03:11:16.2	127.8	47.6			
	e PP	Z	03:13:17.3					
	e SP	R	03:23:19.8					
	e SS	T	03:30:30.0					
ROTZ	e PKPdf	Z	03:11:16.6	127.9	47.8			
	e PP	Z	03:13:18.3					
	e SP	R	03:23:20.9					
	e SS	T	03:30:31.6					
WET	e PKPdf	Z	03:11:16.5	128.0	48.9			
	e PP	Z	03:13:18.7					
	e SP	R	03:23:21.8					
	e SS	T	03:30:32.4					
IBBN	e PKPdf	Z	03:11:16.7	128.0	41.4			
	e PP	Z	03:13:18.0					
	e SS	T	03:30:28.0					
UBBA	e PKPdf	Z	03:11:16.9	128.2	44.8			
	e PP	Z	03:13:19.6					
	e SP	R	03:23:22.7					
	e SS	T	03:30:35.1					
GRA1	e Pdiff	Z	03:08:01.7	128.4	46.8			
	e PKPdf	Z	03:11:17.4					
	e PP	Z	03:13:21.4					
	e Sdiff	T	03:21:22.7					
	e SP	R	03:23:25.2					
	e SS	T	03:30:38.1					
	e L	Z	04:12:03.8			21.9	13864	6.6
GRFO	e PKPdf	Z	03:11:17.4	128.4	46.8			
	e PP	Z	03:13:21.3					
	e SP	R	03:23:25.2					
	e SS	T	03:30:38.0					
BUG	e PKPdf	Z	03:11:18.2	128.9	41.3			
	e PP	Z	03:13:23.7					
	e SP	R	03:23:29.7					
RJOB	e PKPdf	Z	03:11:18.1	128.9	49.7			
	e PP	Z	03:13:24.8					

	e SP	R	03:23:28.9		
	e SS	T	03:30:43.1		
FUR	e PKPdf	Z	03:11:18.8	129.4	47.7
	e PP	Z	03:13:27.9		
	e SP	R	03:23:32.5		
	e SS	T	03:30:50.4		
STU	e PKPdf	Z	03:11:20.3	130.0	45.0
	e PP	Z	03:13:31.6		
	e SP	R	03:23:36.3		
	e SS	T	03:30:58.6		
WLF	e PKPdf	Z	03:11:22.4	130.7	41.0
	e PP	Z	03:13:36.9		
	e SS	T	03:31:09.7		
BFO	e PKPdf	Z	03:11:21.5	130.7	44.3
	e PP	Z	03:13:36.4		
	e SP	R	03:23:42.0		
	e SS	T	03:31:07.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/28 06:32: 6.2 45.528N 10.716E 10.0G 3.1 SZGRF
 Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WTTA	e Pn	Z 06:32:38.0	1.8	200.4					2.9
	e Sn	N 06:33:01.0							
DAVA	e Pn	Z 06:32:37.6	1.9	161.6					3.0
	e Sn	E 06:33:03.0							
KBA	e Pn	Z 06:32:47.3	2.4	230.5					2.8
BFO	e Pn	Z 06:32:56.2	3.2	148.9					3.1
	e Sn	N 06:33:35.1							
GEC2	e Pn	Z 06:33:05.2	3.9	212.6					3.1
	e Sn	E 06:33:50.0							
GRA1	e Sg	N 06:34:20.4	4.2	184.9					3.7

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/06/28 08:44:47.3 15.800S 75.400W 25.0 5.3 GSRC
 Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 08:58:28.4	99.8	257.1					
	e pPdiff	Z 08:58:37.5							
	e PP	Z 09:02:32.9							
	e SKSac	R 09:09:11.6							
	e Sdiff	T 09:10:05.8							
	e PS	R 09:11:36.8							

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RJOB	e PKPbc	Z	19:09:39.1	150.4	39.8
	e PKPab	Z	19:09:45.4		
	e sPKPbc	Z	19:10:21.3		
FUR	e PKPbc	Z	19:09:39.3	150.7	36.8
	e PKPab	Z	19:09:46.8		
STU	e PKPbc	Z	19:09:40.0	151.0	32.5
	e PKPab	Z	19:09:48.2		
WLF	e PKPbc	Z	19:09:41.0	151.2	26.3
	e PKPab	Z	19:09:49.2		
	e sPKPbc	Z	19:10:23.3		
BFO	e PKPbc	Z	19:09:41.4	151.7	31.4
	e PKPab	Z	19:09:50.3		
	e pPKPbc	Z	19:10:11.9		
	e sPKPbc	Z	19:10:24.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/28	19:24:56.9	33.800S	72.275W	33.0N				SZGRF

Off coast of central Chile

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z	19:44:07.8	111.3	242.4					
	e SKSac	R	19:50:02.6							
	e Sdiff	T	19:51:45.1							
	e SP	R	19:53:32.4							
	e SS	T	19:59:27.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/28	20:48:29.6	49.922N	153.496E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	20:59:48.3	71.6	24.0	1.1	14	5.0		
RUE	e P	Z	20:59:50.7	72.1	25.9	1.1	33	5.4		
NRDL	e P	Z	20:59:56.1	73.0	23.7	1.0	11	4.9		
CLL	e P	Z	20:59:57.7	73.3	25.3	1.2	49	5.4		
BRG	e P	Z	20:59:58.6	73.5	25.8	1.1	15	4.9		
CLZ	e P	Z	20:59:59.7	73.5	23.8	1.1	26	5.2		
FBE	e P	Z	20:59:59.7	73.6	25.5	1.0	27	5.2		
WERD	e P	Z	21:00:03.8	74.3	24.8	1.1	16	5.0		
MOX	e P	Z	21:00:03.7	74.3	24.4	1.1	19	5.0		
GUNZ	e P	Z	21:00:04.2	74.4	24.8	0.9	18	5.1		
WERN	e P	Z	21:00:04.6	74.4	24.8	0.8	23	5.2		
UBBA	e P	Z	21:00:05.0	74.6	23.4	1.2	13	4.8		
BUG	e P	Z	21:00:06.0	74.6	21.8	1.2	20	5.0		
MANZ	e P	Z	21:00:06.4	74.8	24.6	1.0	14	4.9		

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ROTZ	e P	Z	21:00:07.9	75.0	24.6	0.9	20	5.1
GRA1	e P	Z	21:00:09.8	75.3	24.0	0.9	40	5.6
WET	e P	Z	21:00:10.1	75.3	25.0	0.9	32	5.5
GEC2	e P	Z	21:00:09.8	75.4	25.4	0.8	16	5.2
WLF	e P	Z	21:00:17.8	76.6	20.9	0.7	8	5.0
RJOB	e P	Z	21:00:17.5	76.6	24.8	0.9	17	5.1
FUR	e P	Z	21:00:17.4	76.7	23.9	0.9	29	5.4
BFO	e P	Z	21:00:21.7	77.3	22.1	1.0	12	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/28	22:36:59.7	5.700S	103.900E	40.0	5.4	4.5		GSRC
Southern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:50:34.0	96.1	91.7	1.3	16	5.4		
	e L	Z 23:41:55.6			20.2	151		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	23:23:57.3	24.700N	96.140E	33.0N	5.2	4.9		SZGRF
Myanmar								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 23:34:42.8	66.1	80.0					
BRG	e P	Z 23:34:42.2	66.3	79.4	0.9	10	5.1		
FBE	e P	Z 23:34:45.6	66.7	79.0	1.0	14	5.1		
CLL	e P	Z 23:34:46.7	66.8	78.9	0.9	7	4.9		
GEC2	e P	Z 23:34:46.4	66.8	78.4	0.8	12	5.1		
WET	e P	Z 23:34:49.0	67.3	77.9	0.8	10	5.1		
WERD	e P	Z 23:34:49.5	67.4	78.1	0.8	8	5.0		
GUNZ	e P	Z 23:34:50.2	67.4	78.1	0.9	12	5.1		
ROTZ	e P	Z 23:34:51.5	67.6	77.7	0.8	17	5.3		
MANZ	e P	Z 23:34:51.0	67.6	77.7	1.1	8	4.8		
RJOB	e P	Z 23:34:52.2	67.7	77.3	0.7	17	5.4		
MOX	e P	Z 23:34:52.0	67.8	77.7	1.1	9	4.9		
BSEG	e P	Z 23:34:53.1	67.9	78.0	1.1	24	5.3		
GRA1	e P	Z 23:34:55.5	68.2	77.0	0.9	11	5.1		
CLZ	e P	Z 23:34:55.2	68.3	77.2	1.0	21	5.3		
NRDL	e P	Z 23:34:55.3	68.3	77.3	1.2	22	5.3		
FUR	e P	Z 23:34:57.7	68.6	76.4	0.7	22	5.5		
UBBA	e P	Z 23:34:59.1	68.7	76.6	2.0	29	5.2		
STU	e P	Z 23:35:04.7	69.7	75.2	0.8	22	5.4		
BFO	e P	Z 23:35:08.3	70.4	74.5	1.3	11	4.8		
WLF	e P	Z 23:35:15.5	71.4	73.4	0.8	37	5.5		
GRA1	e L	Z 00:08:27.0	68.2	77.0	19.4	745		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	01:17:32.6	14.564N	94.508W	33.0N	4.7			SZGRF

Off coast of Chiapas, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:30:23.2	88.7	291.3	1.1	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	02:02:19.6	15.700S	74.800W	31.0		5.0		NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
STU	e Pdiff	Z 02:15:53.6	97.9	255.1					
UBBA	e Pdiff	Z 02:15:56.5	98.9	256.0					
FUR	e Pdiff	Z 02:15:58.6	99.1	256.6					
NRDL	e Pdiff	Z 02:15:59.6	99.4	256.4					
CLZ	e Pdiff	Z 02:15:59.9	99.4	256.5					
GRA1	e Pdiff	Z 02:15:59.5	99.4	256.8					
	e PP	Z 02:19:47.8							
	e Sdiff	N 02:26:59.3							
	e L	E 03:01:14.1			19.6	502		5.0	
MANZ	e Pdiff	Z 02:16:01.7	100.0	257.5					
ROTZ	e Pdiff	Z 02:16:02.4	100.0	257.5					
WET	e Pdiff	Z 02:16:03.4	100.3	257.9					
GEC2	e Pdiff	Z 02:16:05.4	100.8	258.4					
BRG	e Pdiff	Z 02:16:08.3	101.3	259.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	05:56:16.1	45.368N	27.020W	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 06:01:45.4	25.9	275.2	1.5	12	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	12:01: 0.2	21.360S	169.330E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FBE	e PKPbc	Z 12:20:33.8	145.0	41.4					
CLZ	e PKPbc	Z 12:20:34.3	145.4	36.1					

WERD	e	PKPbc	Z	12:20:34.8	145.8	40.3
GUNZ	e	PKPbc	Z	12:20:35.4	145.8	40.4
WERN	e	PKPbc	Z	12:20:35.4	145.9	40.5
MOX	e	PKPbc	Z	12:20:35.0	145.9	39.0
MANZ	e	PKPbc	Z	12:20:36.5	146.2	40.4
ROTZ	e	PKPbc	Z	12:20:37.1	146.3	40.8
GEC2	e	PKPbc	Z	12:20:36.8	146.4	43.9
UBBA	e	PKPbc	Z	12:20:37.0	146.4	36.4
WET	e	PKPbc	Z	12:20:37.5	146.5	42.4
GRA1	e	PKPbc	Z	12:20:38.7	146.8	39.4
RJOB	e	PKPbc	Z	12:20:40.9	147.6	43.8
FUR	e	PKPbc	Z	12:20:42.6	147.9	41.0
WLF	e	PKPbc	Z	12:20:44.5	148.7	31.3
BFO	e	PKPbc	Z	12:20:44.6	149.0	36.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	14:04:52.3	45.934N	11.418E	10.0G			2.5	SZGRF
Northern Italy								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WTTA	e Pg	Z 14:05:16.3	1.3	186.5					2.6
	e Sg	E 14:05:34.2							
DAVA	e Pg	Z 14:05:23.4	1.7	141.5					2.3
	e Sg	E 14:05:47.0							
KBA	e Pg	N 14:05:23.9	1.8	229.9					
	e Sg	E 14:05:48.0							2.2
GEC2	e Pn	Z 14:05:43.3	3.3	208.8					2.7
	e Sn	E 14:06:23.8							
WET	e Pn	Z 14:05:44.6	3.4	197.6					2.8
	e Sn	N 14:06:24.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	18:09:20.6	39.923N	19.853E	10.0G			4.5	SZGRF
Greece-Albania border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RJOB	e P	Z 18:11:34.1	9.3	144.4					
	e S	Z 18:13:26.1							
GEC2	e P	Z 18:11:42.6	9.9	151.6					
	e S	E 18:13:39.0							
FUR	e P	Z 18:11:47.2	10.3	140.1					
	e S	N 18:13:45.4							
WET	e P	Z 18:11:49.4	10.5	149.2					
	e S	Z 18:13:52.8							
ROTZ	e P	Z 18:11:59.2	11.2	148.4					

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MANZ	e P	Z	18:12:03.8	11.4	148.6				
GRA1	e P	Z	18:12:04.0	11.5	144.8				
	e L	Z	18:17:22.5			18.0	5072	4.5	
WERN	e P	Z	18:12:05.0	11.6	150.3				
STU	e P	Z	18:12:06.2	11.7	135.4				
GUNZ	e P	Z	18:12:05.7	11.7	150.3				
BRG	e P	Z	18:12:06.8	11.7	157.1				
BFO	e P	Z	18:12:06.8	11.8	131.3				
FBE	e P	Z	18:12:09.4	11.9	155.1				
MOX	e P	Z	18:12:13.1	12.2	148.6				
CLL	e P	Z	18:12:17.0	12.3	154.7				
CLZ	e P	Z	18:12:33.2	13.6	147.5				
WLF	e P	Z	18:12:36.4	13.7	130.0				
NRDL	e P	Z	18:12:38.7	14.2	148.1				
BUG	e P	Z	18:12:45.3	14.4	138.0				
BSEG	e P	Z	18:12:57.1	15.4	151.5				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29	22:24: 8.6	39.500N	20.000E	33.0N		3.7		SZGRF

Greece-Albania border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 22:23:44.7	10.4	152.0					
FUR	e P	Z 22:23:50.5	10.7	140.9					
WET	e P	Z 22:23:51.9	10.9	149.6					
ROTZ	e P	Z 22:24:03.1	11.7	148.8					
MANZ	e P	Z 22:24:07.1	11.9	149.0					
GRA1	e P	Z 22:27:02.5	11.9	145.3					
	e L	Z 22:28:49.5			18.9	767		3.7	
STU	e P	E 22:24:08.8	12.1	136.2					
BRG	e P	Z 22:24:08.0	12.1	157.2					
BFO	e P	Z 22:24:11.1	12.2	132.2					
MOX	e P	Z 22:24:15.3	12.6	149.0					
UBBA	e P	N 22:24:28.8	13.3	144.4					
CLZ	e P	Z 22:24:44.9	14.0	147.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/29								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	N 22:44:14.3							
WET	e P	N 22:44:22.5							

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/06/30

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e PKP	Z 02:48:11.6							
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/06/30 03:53:44.7
Strait of Gibraltar

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 03:57:25.4	15.2	225.9	2.5	59			
WLF	e P	Z 03:57:25.9	15.3	217.1	1.3	29			
FUR	e P	Z 03:57:40.0	16.6	233.0	0.9	25			
GRA1	e P	Z 03:57:51.0	17.6	229.0	1.3	35	4.3		
WET	e P	Z 03:57:55.4	18.1	233.7	1.0	7	3.7		
MANZ	e P	Z 03:57:58.1	18.2	230.1	1.4	17	4.0		
GEC2	e P	Z 03:57:59.1	18.3	236.0	1.4	18	4.0		
WERN	e P	Z 03:58:01.7	18.5	230.0	1.2	10	3.9		
WERD	e P	Z 03:58:02.8	18.6	229.5	1.1	6	3.7		
CLZ	e P	Z 03:58:03.2	18.7	222.5	1.5	16	4.0		
FBE	e P	Z 03:58:12.0	19.4	230.5	1.3	14	4.0		
CLL	e P	Z 03:58:12.2	19.5	229.0	1.2	10	3.9		
BRG	e P	Z 03:58:12.6	19.7	231.7	1.2	6	3.7		
BSEG	e P	Z 03:58:19.9	20.2	218.5	1.0	30	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/06/30 10:32:58.7
South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 10:52:40.4	147.8	15.2					
CLL	e PKPbc	Z 10:52:45.4	149.8	21.2					
CLZ	e PKPbc	Z 10:52:45.5	149.8	16.2					
BRG	e PKPbc	Z 10:52:45.9	150.0	23.2					
	e PKPab	Z 10:52:51.1							
FBE	e PKPbc	Z 10:52:47.0	150.1	22.1					
BUG	e PKPbc	Z 10:52:47.3	150.7	10.7					
MOX	e PKPbc	Z 10:52:47.7	150.7	19.1					
WERD	e PKPbc	Z 10:52:47.8	150.8	20.5					
GUNZ	e PKPbc	Z 10:52:48.2	150.8	20.6					
	e PKPab	Z 10:52:54.8							
WERN	e PKPbc	Z 10:52:48.5	150.9	20.7					
	e PKPab	Z 10:52:55.1							
MANZ	e PKPbc	Z 10:52:49.1	151.3	20.4					

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ROTZ	e	PKPbc	Z	10:52:49.5	151.4	20.8
GRA1	e	PKPbc	Z	10:52:48.8	151.7	19.0
	e	PKPab	Z	10:52:59.2		
GEC2	e	PKPbc	Z	10:52:50.3	151.9	24.2
FUR	e	PKPab	Z	10:53:04.3	153.2	20.0
RJOB	e	PKPab	Z	10:53:05.0	153.2	23.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/30	13:46:41.5	54.668N	162.082E	33.0N	5.1			SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
ROTZ	e P	Z 13:58:05.6	72.6	17.7	1.8	20	4.9		
GRA1	e P	Z 13:58:07.3	72.8	17.1	1.8	34	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/30	16:33:40.1	36.144N	141.153E	33.0N	4.8			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 16:45:53.3	81.4	40.6	1.0	6	4.6		
CLL	e P	Z 16:45:53.5	81.5	40.0	1.4	13	4.9		
GRA1	e P	Z 16:46:04.6	83.4	38.6	1.1	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/30	17:54:49.4	21.991N	120.640E	33.0N	4.9	4.6		SZGRF

Taiwan region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 18:07:11.0	83.3	62.8	1.4	17	5.1		
GEC2	e P	Z 18:07:15.4	84.0	63.1	1.0	6	4.7		
GRA1	e P	Z 18:07:22.2	85.1	61.4	1.3	12	5.0		
	e L	Z 18:50:14.5			18.1	215		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/06/30	22:30:48.1	43.010N	46.530E	33.0N	4.7	3.5		SZGRF

Eastern Caucasus

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 22:35:55.2	23.4	92.0	1.3	20	4.5		
BRG	e P	Z 22:35:55.3	23.4	96.9	1.2	22	4.6		

RUE	e P	Z	22:35:57.7	23.7	100.4	1.0	66	5.1	
FBE	e P	Z	22:35:59.7	23.7	96.4	1.0	59	5.1	
RJOB	e P	Z	22:36:00.3	24.0	88.8	0.9	14	4.5	
CLL	e P	Z	22:36:00.9	24.0	97.0	1.2	41	4.8	
WERN	e P	Z	22:36:04.6	24.3	94.1	1.1	28	4.7	
GUNZ	e P	Z	22:36:04.3	24.3	94.3	1.2	20	4.5	
WERD	e P	Z	22:36:04.2	24.4	94.4	1.0	14	4.4	
ROTZ	e P	Z	22:36:04.4	24.4	92.8	2.0	34	4.5	
MOX	e P	Z	22:36:08.5	24.8	94.2	1.3	35	4.9	
FUR	e P	Z	22:36:09.6	25.0	88.6	1.3	28	4.8	
GRA1	e P	Z	22:36:10.6	25.0	91.9	1.3	20	4.7	
	e L	Z	22:47:44.0			21.1	174		3.5
CLZ	e P	Z	22:36:16.4	25.7	95.7	1.0	17	4.6	
UBBA	e P	Z	22:36:18.2	25.8	93.2	1.6	27	4.6	
BSEG	e P	Z	22:36:19.4	26.0	99.9	1.7	70	5.0	
STU	e P	Z	22:36:22.5	26.3	88.4	1.1	31	4.9	
BFO	e P	Z	22:36:27.3	26.9	86.9	1.4	11	4.4	
IBBN	e P	Z	22:36:31.3	27.3	94.3	1.1	35	5.0	
BUG	e P	Z	22:36:33.8	27.6	92.2	1.2	18	4.8	
WLF	e P	Z	22:36:40.9	28.3	88.0	1.2	18	4.8	

Format description

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

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

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

EPICENTER LINES:

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

Date	Date of the event
Origin Time	Origin time of the event
Lat	Geographic latitude (N/S) of epicenter in degree
Long	Geographic longitude (E/W) of epicenter in degree

Depth Depth of the hypocenter beneath the surface in kilometer
 Appended flag indicates the method by which the depth was determined:
 BLANK - free
 N - preset depth of 33 kilometer
 G - geophysicist preset depth

mb, Ms, ML Magnitudes of the event and magnitude type
 Source Abbreviations for the authority (e.g. SZGRF, NEIC, SED, MAD)

COMMENT LINE:

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

REGION LINE:

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

PHASE LINE:

Sta Station code of the reported phase
 Phase Preceded flag for the sharpness of the onset of the phase
 e - emergent
 i - impulsive
 w - weak
 ISC phase code
 Component where the phase was picked

Time Arrival time of the reported phase
 Dist Distance from the epicenter location with the highest priority to the station in kilometer
 BAz Backazimuth from the epicenter location with the highest priority to the station in degree
 T[s] Phase Period
 A[nm] Phase Amplitude
 mb Body wave magnitude
 MS Surface wave magnitude
 ML Local Richter magnitude